

- C<sub>18</sub>H<sub>24</sub>N<sub>4</sub>** C 73,0 — H 8,1 — N 18,9 — M. G. 296.  
 1) **1,4-Di[Phenylhydrazido]hexahydrobenzol.** Sm. 147—148° (B. 22, 2175). — **IV**, 783.  
 2) **isom. 1,4-Di[Phenylhydrazido]hexahydrobenzol.** Fl. Oxalat + H<sub>2</sub>O (B. 22, 2174). — **IV**, 783.  
 3) **1,4-Di[5-Amido-3-Methylphenyl]hexahydro-1,4-Diazin.** Sm. 195 bis 196° (B. 25, 2943). — **IV**, 625.  
 4) **1,4-Di[3-Amido-4-Methylphenyl]hexahydro-1,4-Diazin.** Sm. 193° (B. 25, 2943). — **IV**, 612.  
 5) **Diisopropylidiphenyltetrazen.** Sm. 79° (A. 252, 281). — **IV**, 1308.  
 6) **Verbindung** (aus Anilin u. Glyoxal). (2HCl, PtCl<sub>4</sub>) (A. 140, 124; B. 11, 831).
- C<sub>18</sub>H<sub>24</sub>N<sub>2</sub>** C 76,3 — H 8,8 — N 14,8 — M. G. 283.  
 1) **Isobutyldi(2-Amidobenzyl)amin.** Sm. 132° (B. 26, 2586). — **IV**, 628.
- C<sub>18</sub>H<sub>26</sub>O** C 83,7 — H 10,1 — O 6,2 — M. G. 258.  
 1) **Verbindung** (aus Methylidiacetyladiplinsäureäthylester). Sd. 230—240°<sub>20</sub> (Soc. 61, 78). — **I**, 1014.
- C<sub>18</sub>H<sub>26</sub>O<sub>2</sub>** C 78,8 — H 9,5 — O 11,7 — M. G. 274.  
 1) **Menthylester d. Phenylessigsäure.** Sd. 180°<sub>15</sub> (B. 31, 1778).  
 2) **Menthylester d. 1-Methylbenzol-2-Carbonsäure.** Sd. 191°<sub>15</sub> (B. 31, 1778).  
 3) **Menthylester d. 1-Methylbenzol-3-Carbonsäure.** Sd. 197°<sub>15</sub> (B. 31, 1778).  
 4) **Menthylester d. 1-Methylbenzol-4-Carbonsäure.** Sd. 200°<sub>15</sub> (B. 31, 1778).  
 5) **Acetat d. 5-Oxy-1-Methyl-3-[4-Isopropylphenyl]hexahydrobenzol** Sd. 206°<sub>14</sub> (A. 303, 269).  

**C<sub>18</sub>H<sub>26</sub>O<sub>3</sub>** C 74,5 — H 8,9 — O 16,6 — M. G. 290.  
 1) **Anhydrid d. Isolauronolsäure.** Sd. 210—215°<sub>15</sub> (C. 1897 [1] 763).

**C<sub>18</sub>H<sub>26</sub>O<sub>4</sub>** C 70,6 — H 8,5 — O 20,9 — M. G. 306.  
 1) **Diäthylester d. 1-Phenylhexahydrobenzol-2,2-Dicarbonsäure.** Fl. (Soc. 57, 315). — **II**, 1860.  
 2) **norm. Propylester d. Santonsäure.** Sd. 220° (i. V.) (B. 13, 2209; G. 13, 165). — **II**, 1788.  
 3) **norm. Propylester d. Parasantonsäure.** Sm. 113° (B. 13, 2209; G. 13, 159). — **II**, 1790.  
 4) **Diisoamylester d. Benzol-1,4-Dicarbonsäure** (A. 121, 89). — **II**, 1832.  

**C<sub>18</sub>H<sub>26</sub>O<sub>5</sub>** C 67,1 — H 8,1 — O 24,8 — M. G. 322.  
 1) **Diäthylester d. Hydroxydibenzoësäure.** Sd. 205—207° (A. 134, 331). — **II**, 1959.  
 2) **Diäthylester d.  $\zeta$ -Oxyhexanphenyläther- $\gamma\gamma$ -Dicarbonsäure.** Sd. 228°<sub>25</sub> (B. 31, 2136).

**C<sub>18</sub>H<sub>26</sub>O<sub>7</sub>** C 61,0 — H 7,3 — O 31,6 — M. G. 354.  
 1) **norm. Oxyhexinsäure.** Sm. 173° (A. ch. [5] 20, 489).  
 2) **Isooxyhexinsäure.** Sm. 186—187° (A. ch. [5] 20, 491).

**C<sub>18</sub>H<sub>26</sub>O<sub>11</sub>** C 51,7 — H 6,2 — O 42,1 — M. G. 418.  
 1) **Lignose** (A. Spl. 5, 225; B. 8, 476). — **I**, 1080.

**C<sub>18</sub>H<sub>26</sub>O<sub>12</sub>** C 49,8 — H 6,0 — O 44,2 — M. G. 434.  
 1) **Dulcithexacetat.** Sm. 171° (A. ch. [4] 27, 150). — **I**, 418.  
 2) **Mannithexacetat.** Sm. 119° (A. 160, 94; A. ch. [5] 6, 107; B. 12, 2059). — **I**, 417.  
 3) **Sorbithexacetat** (B. 23 [2] 24). — **I**, 418.  
 4) **Aethylester d. Pentaacetylgalaktonsäure.** Sm. 101—102° (M. 18, 336).  
 5) **Aethylester d. Pentacetyl-d-Glykonsäure.** Sm. 103,5° (B. 19, 2622). — **I**, 826.  
 6) **Diäthylester d. Tetraacetylzuckersäure.** Sm. 61° (A. 149, 242). — **I**, 853.  
 7) **Diäthylester d. Tetracetylnorisorozuckersäure.** Sm. 47° (B. 19, 1270; 27, 128). — **I**, 853.  
 8) **Diäthylester d. Tetraacetylschleimsäure.** Sm. 189° (A. 129, 195; B. 20, 3367; M. 14, 474; 18, 459). — **I**, 856.

**C<sub>18</sub>H<sub>26</sub>O<sub>13</sub>** C 48,0 — H 5,8 — O 46,2 — M. G. 450.  
 1) **Triacetylulinulin** (A. 160, 83). — **I**, 1096.

- C<sub>10</sub>H<sub>20</sub>O<sub>16</sub>** C 43,4 — H 5,2 — O 51,4 — M. G. 498.  
1) **Oxycellulose** (*Soc. 43*, 22; *A. 272*, 288; siehe auch *A. 267*, 368). — I, 1077.
- C<sub>10</sub>H<sub>20</sub>N<sub>2</sub>** C 80,0 — H 9,6 — N 10,4 — M. G. 270.  
1) **Verbindung** (aus Diäthylketon u. Pyrrol). Sm. 208—210° u. Zers. wasserfrei. 2 + AgNO<sub>3</sub> (*B. 20*, 2455). — IV, 944.
- C<sub>10</sub>H<sub>20</sub>O** C 83,1 — H 10,8 — O 6,1 — M. G. 260.  
1) **Desoxyphoron**. Sm. 108—109° (*A. 180*, 10; *296*, 321). — I, 1013.  
2) **Undekylphenylketon**. Sm. 47°; Sd. 132°<sub>15</sub> (*Soc. 67*, 508; *B. 29*, 1318).  
3) **Verbindung** (aus d. Wurzel von *Polygonum cuspidatum*) (*Soc. 67*, 1089). C 78,2 — H 10,1 — O 11,6 — M. G. 276.
- C<sub>10</sub>H<sub>20</sub>O<sub>2</sub>** 1) **Axinsäure** (*J. 1860*, 324). — II, 1401.  
2) **Phenylester** d. **Laurinsäure**. Sm. 24,5°; Sd. 210°<sub>15</sub> (*B. 17*, 1378). — II, 662.  
3) **Verbindung** (aus *Caenincin*) (*Z. 1867*, 539). — III, 573.  
4) **Verbindung** (aus Diacetylcapronsäureäthylester). Sd. 265—275°<sub>15</sub> (*Soc. 57*, 26). — I, 694.  
C 63,5 — H 8,2 — O 28,2 — M. G. 340.
- C<sub>10</sub>H<sub>20</sub>O<sub>6</sub>** 1) **Diäthylester** d. *cis*-2,5-Diketo-1,4-Dipropylhexahydrobenzol-1,4-Dicarbonsäure (D. d. Dipropylsuccinylbersteinsäure). Sd. 217—218°<sub>15</sub> (*B. 26*, 232).  
2) **Diäthylester** d. *trans*-2,5-Diketo-1,4-Dipropylhexahydrobenzol-1,4-Dicarbonsäure (D. d. Dipropylsuccinylbersteinsäure). Sm. 86—87°; Sd. 217—218°<sub>15</sub> (*B. 26*, 232).  
3) **Diäthylester** d. *cis*-2,5-Diketo-1,4-Diisopropylhexahydrobenzol-1,4-Dicarbonsäure (D. d. Diisopropylsuccinylbersteinsäure). Sd. 215 bis 220°<sub>15</sub> (*B. 26*, 232).  
4) **Diäthylester** d. *trans*-2,5-Diketo-1,4-Diisopropylhexahydrobenzol-1,4-Dicarbonsäure (D. d. Diisopropylsuccinylbersteinsäure). Sm. 116 bis 117°; Sd. 215—220°<sub>15</sub> (*B. 26*, 232).  
C 60,7 — H 7,8 — O 31,4 — M. G. 356.
- C<sub>10</sub>H<sub>20</sub>O<sub>7</sub>** 1) **I-Condurangin**. Sm. 134° (*G. 22* [1] 239). — III, 577.
- C<sub>10</sub>H<sub>20</sub>O<sub>6</sub>** C 58,0 — H 7,5 — O 35,4 — M. G. 372.  
1) **Tetraäthylester** d. Hexahydrobenzol-1,3,3-Tetracarbonsäure. Sd. 243—245°<sub>15</sub> (*Soc. 59*, 803, 994). — I, 866.  
C 55,7 — H 7,2 — O 37,1 — M. G. 388.
- C<sub>10</sub>H<sub>20</sub>O<sub>9</sub>** 1) **Tetraäthylester** d.  $\beta$ -Ketohexan- $\gamma\delta\epsilon$ -Tetracarbonsäure. Sd. 222 bis 223°<sub>15</sub> (*Soc. 73*, 729).  
C 53,5 — H 6,9 — O 39,6 — M. G. 404.
- C<sub>10</sub>H<sub>20</sub>O<sub>10</sub>** 1) **Pentaäthylester** d. Propan- $\alpha\alpha\beta\beta\gamma$ -Pentacarbonsäure. Sd. 234°<sub>15</sub> (*B. 15*, 1108; *21*, 2113; *29*, 1745; *A. 297*, 104). — I, 870.  
2) **Pentaäthylester** d. Propan- $\alpha\alpha\beta\beta\gamma$ -Pentacarbonsäure. Sd. 265°<sub>15</sub> (*B. 25* [2] 746; *Soc. 73*, 1013). — I, 870.  
C 46,1 — H 6,0 — O 47,9 — M. G. 468.
- C<sub>10</sub>H<sub>20</sub>O<sub>11</sub>** 1) **Quittenschleim** (*A. 175*, 208; *249*, 247; *271*, 60; *H. 14*, 158). — I, 1103.  
2) **Verbindung** (aus Glykose). + C<sub>2</sub>H<sub>4</sub>O (*H. 5*, 125).  
C 79,4 — H 10,3 — N 10,3 — M. G. 272.
- C<sub>10</sub>H<sub>20</sub>N<sub>2</sub>** 1) **1,2-Di[1-Piperidylmethyl]benzol**. Sm. 190—195°<sub>20</sub>. (2HCl, PtCl<sub>6</sub>, (2HCl, 2AuCl<sub>3</sub>). Pikrat (*B. 31*, 427, 592).
- C<sub>10</sub>H<sub>20</sub>N** C 83,4 — H 11,2 — N 5,4 — M. G. 259.  
1)  **$\beta$ -Benzylidenamidoundekan**. Sm. 197—198°<sub>15</sub> (*G. 24* [2] 280). — III, 28.  
C 82,4 — H 11,4 — O 6,2 — M. G. 262.
- C<sub>10</sub>H<sub>20</sub>O** 1) **Laktucerylkalkohol**. Sm. 162° (*Hesse, N. Handw. d. Ch. 4*, 8).  
2) **Sycocerylkalkohol**. Sm. 90° (*J. 1861*, 640). — II, 1067.  
3) norm. **Oktyläther** d. 3-Oxy-4-Isopropyl-1-Methylbenzol. Sm. 319,8° (*A. 243*, 49). — II, 770.  
4) **Hydrocarotin?** Sm. 137,4° (*A. 117*, 206; *180*, 274, 277; *H. 48*, 488; *M. 7*, 598). — III, 626.  
5) **Verbindung** (aus Jalapin) (*C. 1895* [2] 495).  
C 77,7 — H 10,8 — O 11,5 — M. G. 278.
- C<sub>10</sub>H<sub>20</sub>O<sub>2</sub>** 1) **Asthyäther** d. **Bensoresinol**. Sm. 157—158° (*B. 26* [2] 679). — III, 554.  
2) **Linolensäure**. Fl. (*M. 8*, 158, 267; *9*, 204). — I, 537.

- C<sub>18</sub>H<sub>30</sub>O<sub>2</sub>** 3) Verbindung (aus Campherphoron). Sm. 160—162° (A. 290, 144).
- C<sub>18</sub>H<sub>30</sub>O<sub>3</sub>** 4) Verbindung (Pinakon). Sd. 230—240°<sub>70</sub> (Soc. 61, 81). — I, 272.  
C 73,5 — H 10,2 — O 16,3 — M. G. 294.
- 1) Ammoresitanol (B. 29 [2] 37). — III, 553.
- 2) 2,4,6-Triketo-1,1,3,3,5,5-Hexaäthylhexahydrobenzol. Sm. 65—68°; Sd. 200—205°<sub>70</sub> (M. 9, 896). — II, 1026.
- 3) Aethyläther d. 2,4-Diketo-6-Oxy-1,1,3,3,5-Pentaäthyl-1,2,3,4-Tetrahydrobenzol. Fl. (M. 9, 224). — II, 1026.
- 4) Säure (aus Lithofellinsäure). Sm. 152° (B. 28, 3046).  
C 66,4 — H 9,2 — O 24,5 — M. G. 326.
- C<sub>18</sub>H<sub>30</sub>O<sub>5</sub>** 1) Säure (aus Isobutyläkulinsäureäthylester). Ag (Soc. 73, 60).  
C 63,2 — H 8,8 — O 28,0 — M. G. 342.
- 1) Di[ $\beta$ -Diäthoxyäthyläther] d. 1,2-Dioxybenzol. Sd. 195—197°<sub>70</sub> (Bl. [3] 19, 764).
- 2) Smilacin (Pariglin) (A. 5, 204; 11, 305; 13, 84; 14, 76; 15, 74; 17, 166). — III, 649.
- C<sub>18</sub>H<sub>30</sub>O<sub>7</sub>** C 60,3 — H 8,4 — O 31,3 — M. G. 358.
- 1) Telaescin (J. 1862, 492; 1867, 751). — III, 613.
- C<sub>18</sub>H<sub>30</sub>O<sub>8</sub>** C 57,8 — H 8,0 — O 34,2 — M. G. 374.
- 1) Dimethylester d. Dicaprolylweinsäure. Fl. (Bl. [3] 11, 313).
- 2) Diäthylester d. Divalerylweinsäure. Sd. 214—215°<sub>70</sub> (Bl. [3] 11, 313).
- 3) Diäthylester d. Diisovalerylweinsäure. Fl. (Bl. [3] 11, 369).
- 4) Tetraäthylester d.  $\beta$ -Isopropylpropan- $\alpha\gamma\gamma$ -Tetracarbonsäure. Sd. 198°<sub>70</sub> (B. 31, 2589).
- 5) Dipropylester d. Dibutyrylweinsäure. Sd. 226—227°<sub>70</sub> (B. 25 [2] 859; 26 [2] 923; Bl. [3] 9, 683; [3] 11, 312).
- 6) Dipropylester d. Diisobutyrylweinsäure. Fl. (Bl. [3] 11, 368).
- 7) Dibutylester d. Dipropionylweinsäure. Sd. 230—231°<sub>70</sub> (B. 25 [2] 859; Bl. [3] 11, 311).
- 8) Diisobutylester d. Dipropionylweinsäure. Sd. 207—208°<sub>70</sub> (Bl. [3] 11, 367; B. 25 [2] 859).
- 9) Tetraäthylester d. Hexan- $\beta\beta\delta\delta$ -Tetracarbonsäure. Sd. 293—295°<sub>70</sub> (B. 24, 1055). — I, 861.
- 10) Tetraäthylester d. Hexan- $\beta\beta\epsilon\epsilon$ -Tetracarbonsäure. Sm. 53—53,5° (54°) (B. 27, 1579; Soc. 65, 1004; A. 294, 103).
- 11) Tetraäthylester d. Hexan- $\beta\gamma\delta\delta$ -Tetracarbonsäure. Sd. bei 300° (B. 23, 668). — I, 861.
- 12) Tetraäthylester d. Hexan- $\gamma\gamma\delta\delta$ -Tetracarbonsäure. Sd. 198—200°<sub>70</sub> (B. 21, 2085; Am. 18, 581). — I, 861.
- 13) Tetraäthylester d.  $\beta$ -Methylpentan- $\gamma\gamma\delta\delta$ -Tetracarbonsäure. Sd. 204 bis 205°<sub>70</sub> (Soc. 73, 1010).
- 14) Quercitributyrat (A. ch. [5] 15, 50). — I, 424.  
C 55,4 — H 7,7 — O 36,9 — M. G. 390.
- C<sub>18</sub>H<sub>30</sub>O<sub>9</sub>** 1) Verbindung (aus Oxyazelaïnsäure) (B. 22, 71). — I, 758.
- C<sub>18</sub>H<sub>30</sub>O<sub>15</sub>** 1) Dextrin (aus Stärke) (Bl. [3] 17, 959).
- C<sub>18</sub>H<sub>30</sub>N<sub>4</sub>** 2) Verbindung (aus Glykose) (H. 5, 126).  
C 71,5 — H 10,9 — N 10,2 — M. G. 274.
- 1) Hydrokyanconiin. (2HCl, ZnCl<sub>2</sub>), + 2Zn(OH)<sub>2</sub> (J. pr. [2] 26, 311). — IV, 830.
- C<sub>18</sub>H<sub>30</sub>N<sub>6</sub>** C 65,5 — H 9,1 — N 25,4 — M. G. 330.
- 1) Tripperidinmelamin. Sm. 213° (2HCl, PtCl<sub>4</sub>) (B. 18, 2779). — IV, 14.
- C<sub>18</sub>H<sub>30</sub>O<sub>2</sub>** C 77,1 — H 11,4 — O 11,4 — M. G. 280.
- 1) Hanfölsäure (Linolsäure). Fl. (M. 7, 217; 8, 149, 263; 9, 946). — I, 535.
- 2) Hirsoöläure (B. 21 [2] 142). — I, 536.
- 3) Leinölsäure (Linolsäure). Fl. Ba, Zn. Lit. bedeutend. — I, 535.
- 4) Stearolsäure ( $\beta$ -Heptadekin- $\alpha$ -Carbonsäure). Sm. 48°. Ca + H<sub>2</sub>O, Ba, Ag (A. 140, 50; 180, 294; B. 2, 359; 27, 172, 3397; 28, 2249, 2250; M. 9, 953; C. 1896 [1] 1262). — I, 535.
- 5) Taririnsäure. Sm. 50,5°. K, Ag (Bl. [3] 7, 233; B. 26 [2] 767; 27 [2] 20; C. 1896 [1] 1262). — I, 536.
- 6) Säure (aus Ricinelaidinsäure). Sm. 53—54°. Ba (M. 15, 310; B. 27, 3474).

- C<sub>18</sub>H<sub>32</sub>O<sub>2</sub>** 7) Säure (aus Ricinolsäure). Sm. 44—45°; Sd. 230°<sub>15</sub> (*B. 21*, 2732; **27**, 3473; *M. 15*, 308). — I, 536.  
 8) Verbindung (aus 6-Acetyl-5-Methyl-1,2,3,4-Tetrahydrobenzol). Sd. 255 bis 265°<sub>10</sub> (*Soc. 57*, 21). — I, 1014.  
**C<sub>18</sub>H<sub>32</sub>O<sub>3</sub>** C 73,0 — H 10,8 — O 16,2 — M. G. 296.  
 1) *x*-Keto-*q*-Heptadekan-*q*-Carbonsäure (Ketoölsäure). Sm. 58° (*B. 28*, 2248).  
 2) Ricinstearyläure. Sm. 51° (53%). Ba, Ag (*Z. 1867*, 547; *M. 15*, 314; *B. 27*, 3123, 3475; **28**, 1448 Ann.). — I, 625.  
 3) Anhydrid d. Hexadekan-*α*-*β*-Dicarbonsäure. Sm. 89°; Sd. 245—248°<sub>10</sub> (*B. 23*, 2355). — I, 690.  
**C<sub>18</sub>H<sub>32</sub>O<sub>4</sub>** C 69,2 — H 10,2 — O 20,5 — M. G. 312.  
 1) 9*α*-Diketostearinsäure (Stearoxylsäure). Sm. 86°. Ba, Ag (*A. 140*, 63; 190, 297; *M. 9*, 953; *B. 28*, 276; **29**, 813). — I, 695.  
 2) Ricinstearoxylsäure. Sm. 78° (78—80%). Ba, Ag (*Z. 1867*, 550; *M. 15*, 315). — I, 695.  
**C<sub>18</sub>H<sub>32</sub>O<sub>6</sub>** C 62,8 — H 9,3 — O 27,9 — M. G. 344.  
 1) Triisovalerat d. *αβγ*-Trioxypipran (Glycerintriisovalerin) (*A. ch. [3]* 41, 257). — I, 429.  
 2) Triäthylester d. *β*-Methyloktan-*εεε*-Tricarbonsäure. Sd. 300—305° (*B. 29*, 976).  
 3) Triäthylester d. *βε*-Dimethylheptan-*βγγ*-Tricarbonsäure. Sd. 305 bis 310° (*B. 29*, 977).  
 4) Triäthylester d. *βε*-Dimethylheptan-*γδδ*-Tricarbonsäure. Sd. 285 bis 290° (*B. 29*, 976).  
**C<sub>18</sub>H<sub>32</sub>O<sub>10</sub>** C 52,9 — H 7,8 — O 39,2 — M. G. 408.  
 1) Säure (aus Terpentin) (*J. 1869*, 786). — III, 562.  
**C<sub>18</sub>H<sub>32</sub>O<sub>10</sub>** C 42,8 — H 6,3 — O 50,8 — M. G. 504.  
 1) *β*-Cellulose (*B. 26*, 2524).  
 2) Glykogen? Ba (*B. 14*, 1215).  
 3) Melezitose + 2H<sub>2</sub>O. Sm. 147—148° (wasserfrei) (*A. ch. [3]* 55, 282; *B. 27*, 98; *J. pr. [2]* 45, 321; *J. r. 21*, 420; *B. 26* [2] 694; *C. 1897* [1] 30). — I, 1071.  
 4) Raffinose (Gossypose; Melitose; Melitriose). Sm. 118—119° (wasserfrei). Lit. bedeutend. — I, 1071.  
 5) Stachyose + 3H<sub>2</sub>O (*B. 23*, 1692, 1696; **24**, 2705; **25** [2] 386). — I, 1104.  
 6) lösliche Stärke. + BaO (*B. 30*, 2416; *31*, 1791).  
**C<sub>18</sub>H<sub>32</sub>O<sub>3</sub>** 1) Säure (aus Dammarharz) = (C<sub>18</sub>H<sub>32</sub>O<sub>3</sub>) (*B. 22* [2] 345). — III, 555.  
 C 74,2 — H 11,3 — N 14,4 — M. G. 291.  
**C<sub>18</sub>H<sub>32</sub>N<sub>3</sub>** 1) 6-Amido-5-Isobutyl-2,4-Diisoamyl-1,3-Diazin (Kyanamylin). Sm. 53°. HCl, (2HCl, PtCl<sub>4</sub>) (*J. pr. [2]* 37, 409). — IV, 1135.  
**C<sub>18</sub>H<sub>32</sub>N<sub>5</sub>** C 67,7 — H 10,3 — N 21,9 — M. G. 319.  
 1) Base (aus Isovaleraldehydammoniak). Sm. 61—62°. HCl (*A. 130*, 220; *J. r. 13*, 507). — I, 952.  
**C<sub>18</sub>H<sub>34</sub>O** C 81,2 — H 12,8 — O 6,0 — M. G. 266.  
 1) Mononaphthalenäther. Sm. 300,5° (*J. r. 22*, 130). — I, 303.  
 C 76,6 — H 12,1 — O 11,3 — M. G. 282.  
 1) Pinakolin (aus Phoron). Sm. 155°; Sd. 200—240° (*A. 290*, 139).  
 2) Elaidinsäure. Sm. 44—45° (51—52%). Sd. 287—288°<sub>10</sub> (154%). Na, K, Ba, Pb, Ag (*A. 4*, 11; **28**, 253; **35**, 174; *B. 22*, 819; **29**, 1325; *J. r. 24*, 515; *J. pr. [2]* 50, 75, 81; *[2]* 57, 29; *Soc. 73*, 629). — I, 526.  
 3) Oelsäure (Elainsäure, Oleinsäure). Sm. 14°; Sd. 285,5—286°<sub>100</sub> (153%). Salze siehe (*A. 35*, 196; **57**, 38; **244**, 263). Lit. bedeutend. — I, 525.  
 4) Isoelsäure. Sm. 44—45%. Na, Ca + H<sub>2</sub>O, Ba, Zn, Ag (*J. pr. [2]* 35, 386; *[2]* 37, 269; *[2]* 45, 301; *[2]* 50, 61, 81; *C. 1897* [2] 184). — I, 527.  
 5) Rapinsäure. Fl. Na, Zn, Ag (*B. 20*, 2387; *M. 17*, 309). — I, 614.  
 6) Säure (aus Stearinäure). Sm. 35° (*J. 1863*, 335). — I, 527.  
 7) Lakton d. *β*-Oxyheptadekan-*α*-Carbonsäure. Fl. (*J. pr. [2]* 35, 378). — I, 579.  
 8) Lakton d. *γ*-Oxyheptadekan-*α*-Carbonsäure. Sm. 47—48° (*J. pr. [2]* 37, 84; *C. 1897* [1] 742; *1897* [2] 184). — I, 580.  
 9) Äthylester d. Gaidinsäure (*A. 98*, 310). — I, 524.  
 10) Äthylester d. Hypogäsäure (*A. 94*, 234). — I, 524.

$C_{18}H_{34}O_3$ 

- C 72,5 — H 11,4 — O 16,1 — M. G. 298.
- 1) **Lichestorylsäure.** Sm. 83,5—84°. NH<sub>4</sub>, Ag (C. 1898 [2] 964).
  - 2) **Ricinolsäure.** Sm. 16—17°; Sd. 250°<sub>15</sub>; Mg, Ca, Sr, Ba, Zn, Pb, Ag (A. 64, 114; B. 9, 1916; 21, 2731; 27, 3121, 3471; J. 1857, 359; M. 9, 476; 15, 307; C. 1897 [1] 662). — I, 613.
  - 3) **Isoricinolsäure.** Fl. (Bl. [3] 11, 283).
  - 4) **Pseudoricinolsäure.** Ba (C. 1897 [1] 662).
  - 5) **Ricinoläidinsäure.** Sm. 50° (53°) Ca, Ba, Ag (A. 60, 332; 119, 174; Z. 1867, 548; A. ch. [3] 44, 82; M. 15, 308; B. 27, 3472). — I, 613.
  - 6) **Ricinsäure.** Sm. 81°; Sd. 250—252°<sub>15</sub> u. ger. Zers. Ba, Ag (B. 21, 2736; 27, 3472). — I, 614.
  - 7) **Oxyölsäure.** Fl. (A. 140, 70). — I, 614.
  - 8)  **$\beta$ -Ketoheptadekan- $\alpha$ -Carbonsäure (Ketostearinsäure).** Sm. 83° (B. 29, 807).
  - 9)  **$\alpha$ -Ketoheptadekan- $\alpha$ -Carbonsäure (Ketostearinsäure).** Sm. 76° (B. 27, 174; 28, 2249).
  - 10) **Säure (aus Dixystearinsäure).** Na, Ag (J. pr. [2] 33, 313).
  - 11) **Anhydrid d. Pelargonsäure.** Sm. 5° (A. 85, 231). — I, 464.
  - 12) **Verbindung (aus Diacetylpentan).** Sd. 305—310°<sub>100</sub> (Soc. 59, 229). — I, 1020.

 $C_{18}H_{34}O_4$ 

- C 68,8 — H 10,8 — O 20,4 — M. G. 314.
- 1)  **$\beta$ -Keto- $\beta$ -Oxyheptadekan- $\alpha$ -Carbonsäure (Ketooxystearinsäure).** Sm. 84—85°. Ba, Ag (B. 27, 3123; 29, 806).
  - 2)  **$\alpha$ -Acetoxypentadekan- $\alpha$ -Carbonsäure ( $\alpha$ -Acetoxylpalmitinsäure).** Sm. 62,5° (B. 24, 941). — I, 579.
  - 3) **Hexadekan- $\alpha\beta$ -Dicarbonsäure (Tetradekylbersteinsäure).** Sm. 121°. Ag, (B. 23, 2355). — I, 690.
  - 4) **Hexadekan- $\alpha$ -Dicarbonsäure.** Sm. 118°. K, Mg, Ba, Cu (A. 261, 125). — I, 690.
  - 5) **isom. Hexadekandiecarbonsäure (B. 26 [2] 95—96).**
  - 6) **Diäthylester d. Dodekan- $\alpha\mu$ -Dicarbonsäure.** Sm. 27° (A. 261, 123). — I, 689.
  - 7) **norm. Diputylester d. Octan- $\alpha$ -Dicarbonsäure (D. d. Sebacinsäure).** Sm. 344—345° (Soc. 52, 801). — I, 686.
  - 8) **sec. Diputylcarbinolester d.  $\beta$ -Methylpentan- $\alpha\alpha$ -Dicarbonsäure (C. 1898 [1] 186).**
  - 9) **norm. Diheptylester d. Bernsteinsäure.** Sd. 350,1° (A. 253, 302). — I, 656.

 $C_{18}H_{34}O_5$ 

- C 65,4 — H 10,3 — O 24,2 — M. G. 330.
- 1) **Dioxyricinolsäure (Trioxylsäure).** Sm. 64° (B. 16, 2455). — I, 761.
  - 2) **C 81,5 — H 13,2 — O 5,3 — M. G. 265.**

 $C_{18}H_{35}N$ 

- 1) **Curarin. (2HCl, PtCl<sub>4</sub>), Pikrat (A. 101, 254; Z. 1865, 382).** — III, 877.

 $C_{18}H_{36}O$ 

- 2) **Nitril d. Stearinsäure.** Sm. 41°; Sd. 274,5°<sub>100</sub> (128°). 2 + HBr (B. 15, 1730; 26, 2847; 29, 1325). — I, 1468.

 $C_{18}H_{36}O_2$ 

- 3) **C 80,6 — H 13,4 — O 6,0 — M. G. 268.**

 $C_{18}H_{36}O_3$ 

- 1)  **$\beta$ -Ketooctadekan (Methylhexadekylketon).** Sm. 51—52°; Sd. 251—252°<sub>100</sub> (B. 15, 1707). — I, 1005.

 $C_{18}H_{36}O_4$ 

- 2)  **$\gamma$ -Ketooctadekan.** Sm. 53°; Sd. 197,5°<sub>11</sub>; (Bl. [3] 15, 765).

 $C_{18}H_{36}O_5$ 

- 3) **Aldehyd d. Stearinsäure.** Sm. 63,5°; Sd. 259—261°<sub>100</sub> (B. 13, 1417). — I, 957.

 $C_{18}H_{36}O_6$ 

- 4) **C 76,0 — H 12,7 — O 11,3 — M. G. 284.**

 $C_{18}H_{36}O_7$ 

- 1) **Stearinsäure.** Sm. 69,2° (71—71,5°); Sd. 359—383° (154,5—155,5%). Salze meist bekannt, Lit. bedeutend. — I, 444.

 $C_{18}H_{36}O_8$ 

- 2) **Neurostearinsäure.** Sm. 84°. Ba (J. pr. [2] 25, 25; [2] 53, 87). — I, 447.

 $C_{18}H_{36}O_9$ 

- 3) **Heptadekan- $\alpha$ -Carbonsäure (Dioktylessigsäure).** Sm. 38,5°; Sd. 270 bis 275°. Ba, Ag (A. 204, 11, 165). — I, 447.

 $C_{18}H_{36}O_{10}$ 

- 4) **Cetylessigsäure.** Sm. 63,5—64°. Ag (A. 206, 355, 360).

 $C_{18}H_{36}O_{11}$ 

- 5) **Methylester d. Daturinsäure.** Sm. 30° (B. 26 [2] 288).

 $C_{18}H_{36}O_{12}$ 

- 6) **Aethylester d. Palmitinsäure.** Sm. 24,2°; Sd. 184,5—185,5°<sub>10</sub> (J. 1853, 502; A. 88, 299; C. 1898 [2] 757). — I, 443.

 $C_{18}H_{36}O_{13}$ 

- 7) **Aethylester d. norm. Diheptylessigsäure.** Sd. 308,5—311° (A. 200, 114). — I, 444.

- C<sub>18</sub>H<sub>36</sub>O<sub>2</sub>** 8) **Cetylester d. Essigsäure.** Sm. 22–23° (18,5°); Sd. 199,5–200,5°<sub>15</sub> (A. 102, 220; 131, 284; B. 16, 1721). — I, 411.
- C<sub>18</sub>H<sub>36</sub>O<sub>3</sub>** C 72,0 — H 12,0 — O 16,0 — M. G. 300.
- 1)  **$\alpha$ -Oxyheptadekan- $\alpha$ -Carbonsäure ( $\alpha$ -Oxystearinsäure).** Sm. 77–79° (84–85°). Ba, Cd, Pb, Cu, Ag (J. pr. [2] 37, 277, 284; B. 24, 2392; C. 1897 [1] 742; 1897 [2] 184). — I, 579.
  - 2)  **$\beta$ -Oxyheptadekan- $\alpha$ -Carbonsäure ( $\beta$ -Oxystearinsäure).** Sm. 81–81,5° (83–85°). Na, Ca + H<sub>2</sub>O, Ba, Zn, Cu, Ag (J. pr. [2] 35, 369, 384; [2] 37, 81; [2] 57, 31; J. r. 17, 426; 18, 41; A. ch. [2] 65, 113; D. 251, 499; C. 1897 [1] 742; 1897 [2] 184; B. 16, 2458). — I, 579.
  - 3)  **$\gamma$ -Oxyheptadekan- $\alpha$ -Carbonsäure ( $\gamma$ -Oxystearinsäure).** Cu, Pb (J. pr. [2] 37, 85; C. 1897 [1] 742; 1897 [2] 184). — I, 580.
  - 4) **Aethylester d. Jalapinolsäure.** Sm. 32,5° (47–48°) (A. 116, 314; J. pr. [2] 57, 449). — III, 595.
  - 5) **Aethylester d. Tampikolsäure (Z. 1870, 668).** — III, 613.
- C<sub>18</sub>H<sub>36</sub>O<sub>4</sub>** C 68,3 — H 11,4 — O 20,3 — M. G. 316.
- 1) **d- $\delta$ -Dioxyheptadekan- $\alpha$ -Carbonsäure.** Strychninsalz (Bl. [3] 13, 1053).
  - 2) **l- $\delta$ -Dioxyheptadekan- $\alpha$ -Carbonsäure.** Strychninsalz + 2½H<sub>2</sub>O (Bl. [3] 13, 1053).
  - 3) **l- $\delta$ -Dioxyheptadekan- $\alpha$ -Carbonsäure (Dioxystearinsäure aus Oelsäure).** Sm. 136,5° (126°). Na, K, Ca + 3H<sub>2</sub>O, Ba, Zn, Ag (A. 140, 72; B. 18, 1268; J. pr. [2] 33, 304; [2] 40, 244; [2] 50, 62; Bl. [3] 13, 1052; Soc. 73, 630). — I, 635.
  - 4) **isom.  $\delta$ -Dioxyheptadekan- $\alpha$ -Carbonsäure (Dioxystearinsäure aus Elaidinsäure).** Sm. 99–100°. Na, Ag (J. pr. [2] 33, 315; [2] 50, 76; Soc. 73, 630). — I, 636.
  - 5) **isom. Dioxystearinsäure.** Sm. 66–68° (Bl. [3] 11, 283).
  - 6) **isom. Dioxystearinsäure.** Sm. 141–143°. Na (Bl. [3] 13, 238).
  - 7) **Paradioxystearinsäure.** Sm. 77–78°. Na, Ca, Ag (J. pr. [2] 37, 276; [2] 50, 63). — I, 636.
  - 8) **Aethylester d. Turpetholsäure.** Sm. 72° (A. 139, 59). — III, 614.
- C<sub>18</sub>H<sub>36</sub>O<sub>5</sub>** C 65,1 — H 10,8 — O 24,1 — M. G. 332.
- 1) **Trioxystearinsäure.** Sm. 140–142°. Na + ½H<sub>2</sub>O, K, Ca, Ba, Ag (M. 9, 476; J. pr. [2] 39, 341). — I, 738.
  - 2)  **$\alpha$ -Isotrioxystearinsäure.** Sm. 110–111°. Na, Ba, Ag (M. 9, 477; J. pr. [2] 39, 345; B. 27, 3475). — I, 738.
  - 3)  **$\beta$ -Isotrioxystearinsäure.** Sm. 114–115° (M. 10, 199). — I, 738.
  - 4) **Isobutylester d. Trioxystearinsäure.** Sd. 146°<sub>15</sub> (A. 254, 33). — I, 737.
- C<sub>18</sub>H<sub>36</sub>O<sub>6</sub>** C 62,1 — H 10,3 — O 27,6 — M. G. 348.
- 1) **Sativinsäure (Tetraoxystearinsäure).** Sm. 173°. Na + H<sub>2</sub>O, K + ½H<sub>2</sub>O, Ba, Ag (M. 7, 224; 8, 159, 261; 9, 187; J. pr. [2] 41, 543; C. 1895 [1] 22). — I, 787.
- C<sub>18</sub>H<sub>36</sub>O<sub>5</sub>** C 56,8 — H 9,5 — O 33,7 — M. G. 380.
- 1) **Linusinsäure.** Sm. 203° (M. 8, 159, 267; 9, 181). — I, 851.
  - 2) **Isolinusinsäure.** Sm. 173–175° (M. 9, 181). — I, 851.
- C<sub>18</sub>H<sub>36</sub>N<sub>6</sub>** C 64,3 — H 10,7 — N 25,0 — M. G. 336.
- 1) **Isotriisocamylmelamin.** (2HCl, PtCl<sub>4</sub>) (B. 3, 264). — I, 1445.
- C<sub>18</sub>H<sub>36</sub>Br<sub>2</sub>** 1) **Dibromoktadekan.** Sm. 24° (B. 17, 1373). — I, 180.
- C<sub>18</sub>H<sub>36</sub>J** 1) **Jodoktadekan.** Sm. 42–43° (33,5°) (J. 1884, 1193; B. 19, 2984). — I, 196.
- C<sub>18</sub>H<sub>36</sub>O** C 80,0 — H 14,1 — O 5,9 — M. G. 270.
- 1) **Oxykotadekan (Oktadekylalkohol).** Sm. 59°; Sd. 210,5°<sub>15</sub> (A. 92, 299; B. 16, 1722; 17, 1628). — I, 240.
  - 2) **Aethylcetyläther.** Sm. 20° (A. 102, 220). — I, 300.
- C<sub>18</sub>H<sub>36</sub>N<sub>2</sub>** C 76,6 — H 13,5 — N 9,9 — M. G. 282.
- 1) **Stearaminidin.** Sm. 85°. HCl, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> (PINNER, Imidoäther 130; B. 26, 2843). C 80,3 — H 14,5 — N 5,2 — M. G. 269.
  - 1)  **$\alpha$ -Aethylamidohexadekan (Cetylthylamin).** Sm. 27–28°; Sd. 342° u. Zers. HJ (B. 22, 814). — I, 1138.
  - 2)  **$\alpha$ -Dihexylamidohexan (Trihexylamin).** Sd. 260°. HCl, (2HCl, PtCl<sub>4</sub>) (A. 101, 310; 102, 312; J. 1863, 527). — I, 1136.

- $C_{18}H_{14}N_4$  C 67,9 — H 14,5 — N 17,6 — M. G. 318.  
 1) Pentaäthylentetraäthyltetramin. (4HCl, 2PbCl<sub>4</sub>) (A. 1861, 521).
- $C_{18}H_{14}O_2Cl_{12}$  1) Perchlordinorm. Butylester d. Hexadekachloroktan- $\alpha,\beta$ -Dicarbonsäure (P. d. Perchlorsebacinsäure). Sm. 127°; Sm. 204° (Soc. 52, 82).
- $C_{18}NCl_3$  1) Perchlortriphenylamin (B. 9, 1494). — II. 342.

### C<sub>14</sub>-Gruppe mit drei Elementen.

- $C_{14}H_{10}O_4Br_{11}$  1) Xanthogallol. Sm. 122° (A. 177, 193; 245, 335). — II. 1013.
- $C_{14}H_{10}O_4N_4$  C 51,2 — H 1,4 — O 34,1 — N 13,3 — M. G. 422.  
 1) Tetranitrochrysocinon (A. 158, 314). — III. 463.
- $C_{14}H_{10}O_4N_4$  C 43,4 — H 1,2 — O 38,6 — N 16,8 — M. G. 488.  
 1) Chrysocyanaminsäure + 3H<sub>2</sub>O. (NH<sub>2</sub>)<sub>2</sub> + 3H<sub>2</sub>O. K<sub>2</sub> + 3H<sub>2</sub>O. Ca + 3H<sub>2</sub>O. Ba, Ag<sub>2</sub> (A. 134, 22). — III. 428.
- $C_{14}H_4O_4N_2$  1) Salpetersaures Tetraazoresorcin (A. 162, 282; siehe auch B. 17, 1865). — II. 933.
- $C_{14}H_4N_2Br_2$  1) Hexabrom-2,3-Bichinolyl. Sm. 230° (J. pr. [2] 51, 488). — IV. 1067.
- $C_{14}H_4O_2Br_7$  1) Heptabromtriresorcin + 2H<sub>2</sub>O (A. 289, 69).
- $C_{14}H_4O_2Br_{11}$  1) Xanthogallolsäure. Sm. 130° u. 72°. Ba (A. 177, 193; 245, 345; B. 20, 205). — II. 1015.
- $C_{14}H_4O_4Cl_{11}$  1) Mairogallol. Sm. 190° u. Zers. (A. 179, 237). — II. 1013.
- $C_{14}H_4O_4Br_{11}$  1) Bromdichroinsäure. Zers. bei 100°. Ca<sub>2</sub>, Ba<sub>2</sub>, Ag<sub>2</sub> (B. 10, 1142). — II. 726.
- $C_{14}H_4O_4N_2$  C 37,4 — H 1,2 — O 44,4 — N 17,0 — M. G. 577.  
 1) Heptanitrodiphenyläther d. 1,4-Dioxybenzol. Sm. 190° (B. 24, 3588). — II. 940.
- $C_{14}H_4O_2N_2$  C 76,1 — H 2,8 — O 11,3 — N 9,8 — M. G. 284.  
 1)  $\alpha,\beta$ -Diketonaphophenazin (Naphophenazinchinon). Sm. 265° u. Zers. (A. 286, 79).
- $C_{14}H_4O_3Cl_1$  1) Dichlorehrysocinon (A. 158, 312). — III. 462.
- 2) 6,11-Dichlor-5,12-Diketo-5,12-Dihydronaphaceten. Sm. 252—254° (B. 31, 1282).
- $C_{14}H_4O_2Br_1$  1) Dibromchrysocinon. Sm. 160—165° (B. 12, 1892). — III. 462.
- $C_{14}H_4O_2Br_3$  1) Dibromanhypobisdketodihydroinden. Sm. 241—242° u. Zers. (A. 252, 78). — III. 276.
- $C_{14}H_4O_4Cl_1$  1) 2,2'-Bi-2-Chlor-1,3-Diketo-2,3-Dihydroinden. Sm. 248° (B. 31, 1167).
- $C_{14}H_4O_4Br_1$  1) 2,2'-Bi-2-Brom-1,3-Diketo-2,3-Dihydroinden. Sm. bei 280° (B. 31, 1169).
- $C_{14}H_4O_4N_2$  C 62,1 — H 2,3 — O 27,6 — N 8,0 — M. G. 348.  
 1) Dinitrochrysocinon. Sm. 230° (B. 12, 1892). — III. 463.
- $C_{14}H_4O_6N_4$  C 57,4 — H 2,1 — O 25,5 — N 14,9 — M. G. 376.  
 1) Dinitrotriphenyloxazin (B. 30, 996). — IV. 1977.
- $C_{14}H_4O_4N_4$  C 52,9 — H 2,0 — O 31,4 — N 13,7 — M. G. 468.  
 1) Tetranitrochrysene (A. 158, 307; J. pr. [2] 9, 283). — II. 292.
- $C_{14}H_4O_4Cl_1$  1) Leukogallol + 2H<sub>2</sub>O. Sm. 104° u. Zers. (B. 20, 2035). — II. 1013.
- $C_{14}H_4O_4N_4$  C 40,6 — H 1,5 — O 42,1 — N 15,8 — M. G. 532.  
 1) Hexanitrodiphenyläther d. 1,3-Dioxybenzol. Sm. 220° (B. 24, 3587). — II. 940.  
 2) Hexanitrodiphenyläther d. 1,4-Dioxybenzol. Sm. 190° (B. 24, 3588). — II. 940.
- $C_{14}H_4O_4N_2$  1) Salpetersaures Dihydrotetraazoresorcin (A. 162, 285). — II. 934.
- $C_{14}H_4N_2Br_4$  1) Hexabromdiphenylazophenylen. Sm. 243° (M. 8, 481). — II. 338.
- $C_{14}H_4O_4Br$  1) Bromanhypobisdketodihydroinden. Sm. 195—196° u. Zers. (A. 252, 78). — III. 276.
- $C_{14}H_4O_4N$  C 71,3 — H 3,0 — O 21,1 — N 4,6 — M. G. 303.  
 1) Nitrochrysocinon. Sm. 252° (B. 24, 953). — III. 462.  
 2) 2-Nitro-5,12-Diketo-5,12-Dihydronaphaceten. Sm. 315° (B. 31, 1278).  
 3) isom. 2-Nitro-5,12-Diketo-5,12-Dihydronaphaceten. Sm. bei 240° (B. 31, 1279).
- $C_{14}H_4O_4Cl_1$  1) 2-Chlor-2,2'-Bi-1,3-Diketo-2,3-Dihydroinden. Sm. 242—244° (B. 31, 1170).

- C<sub>18</sub>H<sub>9</sub>O<sub>6</sub>N** C 64,5 — H 2,7 — O 28,6 — N 4,2 — M. G. 335.  
 1) Nitroäthindiphtalid. Sm. bei 240° (B. 10, 838). — II, 2034.  
**C<sub>18</sub>H<sub>9</sub>O<sub>5</sub>N<sub>5</sub>** C 44,3 — H 1,8 — O 39,4 — N 14,4 — M. G. 487.  
 1) Pentanitrodiphenyläther d. 1,3-Dioxybenzol. Sm. 68° (B. 24, 3587). — II, 917.  
**C<sub>18</sub>H<sub>9</sub>NBr<sub>6</sub>** 1) P-Tetrabrom-2-[1-Naphthyl]indol-2,3-Dibromid. Sm. oberh. 300° (A. 272, 208). — IV, 465.  
**C<sub>18</sub>H<sub>10</sub>O<sub>2</sub>N<sub>2</sub>** C 75,5 — H 3,5 — O 11,2 — N 9,8 — M. G. 286.  
 1) Triphenioxazin. subl. bei 250°. 2HCl (B. 23, 183; 28, 293; 32, 126). — IV, 1077.  
 2) Anhydroindol-2-Carbonsäure. Sm. 312—315° (B. 21, 1932). — IV, 235.  
**C<sub>18</sub>H<sub>9</sub>O<sub>2</sub>N<sub>4</sub>** C 68,8 — H 3,2 — O 10,2 — N 17,8 — M. G. 314.  
 1) 1,4-Benzochinonhomofluorindin (Istarin) (B. 23, 2794; C. 1897 [1] 62). — III, 340.  
**C<sub>18</sub>H<sub>10</sub>O<sub>4</sub>N<sub>2</sub>** C 67,9 — H 3,1 — O 20,1 — N 8,8 — M. G. 318.  
 1) Dinitrochrysen. Sm. oberh. 300° (J. pr. [2] 9, 282). — II, 292.  
 2) Oxyphenylaposafranochinon. Zers. bei 275° (B. 31, 2438).  
 3) Hippuroflavin. Sm. noch nicht bei 300°. subl. + Phenol, + Anilin, + o-Tolidin (B. 21, 3321; 26, 2320; A. 287, 68). — II, 1185.  
**C<sub>18</sub>H<sub>10</sub>O<sub>4</sub>Cl<sub>2</sub>** 1) Diphenyläther d. 3,6-Dichlor-2,5-Dioxy-1,4-Benzochinon. Sm. 243° (Am. 17, 595). — III, 352.  
**C<sub>18</sub>H<sub>10</sub>O<sub>5</sub>Br<sub>2</sub>** 1) Diphenyläther d. 3,6-Dibrom-2,5-Dioxy-1,4-Benzochinon. Sm. 266 bis 267° (Am. 17, 652). — III, 352.  
**C<sub>18</sub>H<sub>10</sub>O<sub>4</sub>Br<sub>4</sub>** 1) Tetrabromtriresorcin. 2 + 5HBr (A. 289, 67).  
**C<sub>18</sub>H<sub>10</sub>O<sub>5</sub>N<sub>5</sub>** C 51,7 — H 2,4 — O 19,1 — N 26,8 — M. G. 418.  
 1) 2-Nitroso-1-Phenylazo-4-[2,4,6-Dinitrosonitrophenylazo]benzol? Sm. 175—176° u. Zers. (J. pr. [2] 44, 461). — IV, 1370.  
**C<sub>18</sub>H<sub>10</sub>O<sub>5</sub>Br<sub>2</sub>** 1) Anhydrid d. P-Dibrom- $\alpha\beta$ -Diketo- $\alpha\beta$ -Diphenylbutan- $\beta\gamma$ -Dicarbon-säure. Sm. 285—287° (B. 10, 1561). — II, 2034.  
**C<sub>18</sub>H<sub>10</sub>O<sub>6</sub>N<sub>2</sub>** C 61,7 — H 2,9 — O 27,4 — N 8,0 — M. G. 350.  
 1) Bidioxymethylenindigo (B. 23, 1566). — II, 1946.  
 2) Indigodicarbonsäure. Ba, Ag<sub>4</sub> (B. 18, 950). — II, 1624.  
**C<sub>18</sub>H<sub>10</sub>O<sub>6</sub>N<sub>6</sub>** C 53,2 — H 2,5 — O 23,6 — N 20,7 — M. G. 406.  
 1) N-2,4,6-Trinitroapossfranin. HCl (B. 31, 1188). — IV, 1176.  
**C<sub>18</sub>H<sub>10</sub>O<sub>5</sub>N<sub>7</sub>** 1) Verbindung (aus 4-Amidochinolin). Sm. 285° (J. pr. [2] 56, 201).  
**C<sub>18</sub>H<sub>10</sub>O<sub>6</sub>N<sub>3</sub>** C 56,6 — H 2,6 — O 33,5 — N 7,3 — M. G. 382.  
 1) Dinitrür d. Aethindiphtalid. Zers. bei 160° (B. 10, 837). — II, 2034.  
**C<sub>18</sub>H<sub>10</sub>O<sub>6</sub>S<sub>2</sub>** 1) Chrysocinchonidisulfonsäure. Ba (B. 12, 1894). — III, 463.  
**C<sub>18</sub>H<sub>10</sub>O<sub>10</sub>N<sub>4</sub>** C 48,8 — H 2,3 — O 36,2 — N 12,7 — M. G. 442.  
 1) Di[2,4-Dinitrophenyläther] d. 1,3-Dioxybenzol. Sm. 184° (B. 24, 3586). — II, 917.  
 2) Di[2,4-Dinitrophenyläther] d. 1,4-Dioxybenzol. Sm. 240° (B. 24, 3588). — II, 940.  
**C<sub>18</sub>H<sub>10</sub>N<sub>2</sub>Br<sub>2</sub>** 1) P-Dibrom-6,7-Bichinolyl (M. 6, 553). — IV, 1070.  
**C<sub>18</sub>H<sub>10</sub>N<sub>2</sub>Br<sub>2</sub>** 1) Oktobrom-p-Tetroliditolyl (B. 14, 935). — IV, 1035.  
**C<sub>18</sub>H<sub>10</sub>N<sub>2</sub>S<sub>2</sub>** 1) Thiochinanthren. Sm. 300°; subl. bei 170°<sub>20</sub>. H<sub>2</sub>SO<sub>4</sub> + 2H<sub>2</sub>O, Pikrat (J. pr. [2] 54, 342, 353; [2] 56, 273; B. 29, 2456; 30, 2418). — IV, 291.  
 2) isom. Thiochinanthren. Sm. oberh. 360° (J. pr. [2] 56, 277).  
**C<sub>18</sub>H<sub>11</sub>ON** C 84,1 — H 4,3 — O 6,2 — N 5,4 — M. G. 257.  
 1)  $\alpha$ -Phenylpyridinphenylketon. Sm. 68°. 2 + CrO<sub>3</sub> (A. 249, 124). — IV, 459.  
**C<sub>18</sub>H<sub>11</sub>ON<sub>3</sub>** C 75,8 — H 3,8 — O 5,6 — N 14,7 — M. G. 285.  
 1) Triphenazinnoxasin (B. 28, 299). — IV, 1212.  
 2) Naphtostyryltolazin. Sm. oberh. 290° (J. pr. [2] 38, 184). — IV, 621.  
**C<sub>18</sub>H<sub>11</sub>O<sub>2</sub>N** C 79,1 — H 4,0 — O 11,7 — N 5,1 — M. G. 273.  
 1) Nitrochrysen. Sm. 200° (A. 158, 306; J. pr. [2] 9, 281; B. 23, 792; 2444). — II, 292.  
 2) Amidochrysin. (2HCl, PtCl<sub>4</sub>, HJ (B. 24, 954). — III, 1623.  
 3) Chinophtalon (Chinolingelb). Sm. 234—235° (B. 16, 1083). — IV, 308.  
 4) 1,8-Anhydrid d. 8-Benzoylamidonaphtalin-1-Carbonsäure. Sm. 170° (J. pr. [2] 38, 108). — II, 1450.  
 5) Oximanhydrid d.  $\alpha$ -Oximidophenyl- $\alpha$ -[1-Naphthyl]methan-2-Carbonsäure. Sm. 175—176° (B. 29, 827).

- C<sub>11</sub>H<sub>11</sub>O<sub>2</sub>N**
- 6) **Phenylimid d. Naphtalin-1,8-Dicarbonsäure.** Sm. 202° (G. **25** [1] 250; B. **28**, 362). — **II, 1880.**
  - 7) **1-Naphthylimid d. Benzol-1,2-Dicarbonsäure.** Sm. 180–181° (G. **15**, 346, 480; B. **29**, 827). — **II, 1806.**
  - 8) **2-Naphthylimid d. Benzol-1,2-Dicarbonsäure.** Sm. 216° (G. **15**, 480). — **II, 1806.**
- C<sub>11</sub>H<sub>11</sub>O<sub>2</sub>Br**
- 1) **2-Brom-1,1'-Diketo-2,3-Dihydro-2,2'-Biinden + C<sub>6</sub>H<sub>6</sub>.** Sm. 150° u. Zers. (Soc. **71**, 245).
  - 2) **Lakton d. α-Brom-α-Phenyl-α-[2-Oxy-1-Naphtyl]essigsäure.** Sm. 121° (B. **31**, 2823).
- C<sub>11</sub>H<sub>11</sub>O<sub>3</sub>N**
- C 74,7 — H 3,8 — O 16,6 — N 4,8 — M. G. 289.
  - 1) **Oxim d. Anhydروبisdiethoxyindolin.** Zers. oberh. 210° (A. **277**, 370). — **III, 276.**
  - 2) **3-Furfuryl-β-Naphtochinolin-1-Carbonsäure.** Sm. 275°. HCl (B. **27**, 2028). — **IV, 466.**
  - 3) **Lakton d. Diphenylketipinsäuremononitril.** Sm. 193–194° (A. **282**, 61). — **II, 2032.**
- C<sub>11</sub>H<sub>11</sub>O<sub>2</sub>N<sub>3</sub>**
- C 68,1 — H 3,5 — O 15,1 — N 13,2 — M. G. 317.
  - 1) **5-Phenyl-3-[6-Chinolyl]-1,2,4-Oxdiazol-5-Carbonsäure** (Chinolin-6-Methenylazoximbenzyl-4-Carbonsäure). Sm. 203° (B. **22**, 2760). — **IV, 350.**
- C<sub>11</sub>H<sub>11</sub>O<sub>3</sub>Cl**
- 1) **Säure (aus Dehydrobenzoylessigsäure).** Sm. 150–151° (Soc. **47**, 292). — **II, 1721.**
- C<sub>11</sub>H<sub>11</sub>O<sub>4</sub>N<sub>3</sub>**
- C 64,8 — H 3,3 — O 19,2 — N 12,6 — M. G. 333.
  - 1) **5-Oximidio-2,4,6-Triketo-1,3-Diethylhexahydro-1,3-Diazin + H<sub>2</sub>O** (Diethylviolursäure). Sm. bei 90° (107° wasserfrei). NH<sub>4</sub>, NH<sub>4</sub>H + 2H<sub>2</sub>O, NaH + 3H<sub>2</sub>O, KH + 2H<sub>2</sub>O (B. **30**, 1816).
  - 2) **Dinitroamidochrysen.** HCl (B. **24**, 952). — **II, 643.**
- C<sub>11</sub>H<sub>11</sub>O<sub>4</sub>Cl**
- 1) **Diphenyläther d. 8-Chlor-2,5-Dioxy-1,4-Benzochinon.** Sm. 169 bis 170° (Am. **17**, 655). — **III, 349.**
- C<sub>11</sub>H<sub>11</sub>O<sub>4</sub>Br**
- 1) **Bromhydrocumarin** (Soc. **51**, 67). — **II, 2026.**
- C<sub>11</sub>H<sub>11</sub>O<sub>5</sub>N**
- C 67,3 — H 3,4 — O 24,9 — N 4,4 — M. G. 321.
  - 1) **Aethenylacetylaminodioazarin(Acetat d. Oxy-1-Methylanthrachinonoxazol).** Sm. 238–240° (B. **18**, 1660). — **III, 424.**
- C<sub>11</sub>H<sub>11</sub>O<sub>5</sub>Br**
- 1) **Brompulvinsäure.** Sm. 208–209° u. Zers. Ba + 2H<sub>2</sub>O (A. **282**, 19). — **II, 2032.**
- C<sub>11</sub>H<sub>11</sub>O<sub>6</sub>N<sub>3</sub>**
- C 59,2 — H 3,0 — O 26,3 — N 11,5 — M. G. 365.
  - 1) **Trinitro-1,3-Diphenylbenzol.** Sm. 200° (A. **203**, 130). — **II, 286.**
  - 2) **Trinitro-1,4-Diphenylbenzol.** Sm. 195° (A. **203**, 207; J. **1881**, 400). — **II, 286.**
- C<sub>11</sub>H<sub>11</sub>O<sub>6</sub>Br**
- 1) **Diacetat d. β-Brom-1,2-Dioxy-9,10-Anthrachinon** (J. **1874**, 486). — **III, 422.**
- C<sub>11</sub>H<sub>11</sub>O<sub>6</sub>N**
- C 61,2 — H 3,1 — O 31,7 — N 4,0 — M. G. 353.
  - 1) **Phloretin** (A. **178**, 93). — **II, 1022.**
- C<sub>11</sub>H<sub>11</sub>O<sub>6</sub>N<sub>3</sub>**
- C 52,8 — H 2,7 — O 27,4 — N 17,1 — M. G. 409.
  - 1) **3-Nitroso-2,5-Di[β-Nitrophenylamido]-1,4-Benzochinon** (B. **16**, 1557). — **III, 340.**
- C<sub>11</sub>H<sub>11</sub>O<sub>6</sub>N**
- C 58,5 — H 3,0 — O 34,7 — N 3,8 — M. G. 369.
  - 1) **Diacetat d. 3-Nitro-1,2-Dioxy-9,10-Anthrachinon.** Sm. 218° (B. **12**, 587). — **III, 423.**
  - 2) **Diacetat d. 4-Nitro-1,2-Dioxy-9,10-Anthrachinon.** Sm. 194–195,5° (B. **24**, 1611). — **III, 423.**
- C<sub>11</sub>H<sub>11</sub>N<sub>3</sub>Cl<sub>2</sub>**
- 1) **10-Chlorphenylat d. 2,8-Dichlor-5,10-Naphtdiazin** (Dichlorphenyl-phenaazoniumchlorid). + AuCl<sub>5</sub> (B. **31**, 301). — **IV, 1001.**
- C<sub>11</sub>H<sub>11</sub>N<sub>3</sub>Br**
- 1) **β-Brom-8,6'-Bichinolyl.** Sm. 150–155° (B. **17**, 2449). — **IV, 1069.**
- C<sub>11</sub>H<sub>11</sub>ON<sub>3</sub>**
- C 79,4 — H 4,4 — O 5,9 — N 10,3 — M. G. 272.
  - 1) **7-Phenylhydrazen-8-Ketoacenaphten.** Sm. 179° (A. **276**, 10). — **III, 404.**
  - 2) **5-Phenyl-3-[2-Naphtyl]-1,2,4-Oxdiazol.** Sm. 116° (B. **22**, 2452). — **II, 1455.**
  - 3) **1-Nitroso-2-[1-Naphtyl]indol.** Sm. 248° u. Zers. (A. **272**, 205). — **IV, 465.**
  - 4) **8-Chinolyläther d. 2-Oxychinolin.** Sm. 120°. (2HCl, PtCl<sub>4</sub>) (M. **17**, 670). — **IV, 271.**

- C<sub>18</sub>H<sub>12</sub>ON<sub>2</sub>** 5) **S-Chinolyläther d. 2-Oxychinolin.** Sm. 175°. HCl, (2HCl, PtCl<sub>4</sub>), (2HCl, PdCl<sub>2</sub> + H<sub>2</sub>O) (M. 17, 668). — IV, 274.  
 6) **2-Oxy-2,3'-Bichinolyl.** Sm. 208°. K + H<sub>2</sub>O, Pb (M. 7, 314). — IV, 1067.  
 7) **2-Oxy-2,5'-Bichinolyl.** Sm. 186—187° (M. 8, 144). — IV, 1068.  
 8) **1-Keto-4-[2-Naphthyl]-1,2-Dihydro-2,3-Benzodiazin.** Sm. oberh. 250° (J. pr. [2] 51, 155). — IV, 1071.  
 9) **Aposafranon (Safranon; Benzolindon).** Sm. 248—249° (242°) (B. 28, 275, 1716; 29, 1819; 30, 2623; J. pr. [2] 48, 572; A. 266, 252; 287, 193). — IV, 1002.  
 10) **Verbindung (aus d. Nitril d.  $\beta$ -Imido- $\beta$ -Phenylpropionsäure).** Sm. 144° (J. pr. [2] 52, 107).  
**C<sub>18</sub>H<sub>12</sub>O<sub>2</sub>N<sub>2</sub>** C 75,0 — H 4,2 — O 11,1 — N 9,7 — M. G. 288.  
 1) **2-Keto-5-Phenyl-3-[1-Naphthyl]-2,3-Dihydro-1,3,4-Oxadiazol.** Sm. 136° (B. 24, 4185). — IV, 927.  
 2)  **$\alpha$ -Dioxy-2,3'-Bichinolyl.** Sm. 239°. HCl, 2HCl, (2HCl, PtCl<sub>4</sub>) (M. 7, 319). — IV, 1068.  
 3)  **$\beta$ -Dioxy-2,3'-Bichinolyl.** Sm. oberh. 305° (M. 7, 324). — IV, 1068.  
 4) **4,5-Diketo-2-Methyl-1-Phenyl-4,5-Dihydro- $\beta$ -Naphthimidazol.** Sm. 305—306° (B. 31, 2410).  
 5) **Safranol (Oxybenzolindon).** Sm. oberh. 330°. Na, HCl (B. 21, 1593; 28, 273; 29, 369; 30, 401; A. 286, 199, 210). — IV, 1003.  
 6) **Oxyaposafranon (Oxyphenylphenazon).** Sm. 280° u. Zers. (A. 262, 252; 290, 301; B. 26, 383; 28, 1712, 2287; 29, 1605). — IV, 1003.  
 7) **Oxybenzolindon (A. 286, 200).** — IV, 1002.  
 8) **Base (aus Triphendioxazin).** (B. 23, 186). — IV, 1078.  
 9) **Acetat d. 5-Oxy- $\alpha\beta$ -Naphtophenazin.** Sm. 217° (B. 26, 622). — IV, 1057.  
 10) **Acetat d. 6-Oxy- $\alpha\beta$ -Naphtophenazin.** Sm. 188—189° (B. 26, 619). — IV, 1054.  
 11) **2-Phenyl- $\alpha$ -oder  $\beta$ -Naphthimidazol-2-Carbonsäure.** Zers. bei 280° (B. 23, 1044). — IV, 1065.  
 12) **Nitril d. s-Diphenylketipinsäure.** Sm. 270° u. Zers. K<sub>2</sub> + 2C<sub>6</sub>H<sub>6</sub>O (A. 282, 9, 45). — II, 2031.  
 13) **Nitril d.  $\beta$ -Acetoxy- $\beta$ -Phenyl- $\alpha$ -[2-Cyanphenyl]äthen- $\alpha$ -Carbonsäure.** Sm. 211—213° (B. 27, 833). — II, 1977.  
 14) **Phenylamidoimid d. Naphtalin-1,8-Dicarbonsäure.** Sm. 218,5° (B. 28, 363). — IV, 712.  
**C<sub>18</sub>H<sub>12</sub>O<sub>2</sub>N<sub>4</sub>** C 68,4 — H 3,8 — O 10,1 — N 17,7 — M. G. 316.  
 1) **5,5'-Diketo - 3,3'-Diphenyl - 4,5,4',5'-Tetrahydro - 4,4'-Bipyrasol (Phenylpyrazolonblau).** (J. pr. [2] 52, 37). — IV, 906.  
**C<sub>18</sub>H<sub>12</sub>O<sub>2</sub>Cl<sub>4</sub>** 1) **Tetrachlorstyracin (A. 70, 6).** — II, 1407.  
**C<sub>18</sub>H<sub>12</sub>O<sub>2</sub>N<sub>2</sub>** C 71,1 — H 3,9 — O 15,8 — N 9,2 — M. G. 304.  
 1) **Dioxyaposafranon.** Sm. oberh. 280° (B. 29, 369). — IV, 1004.  
**C<sub>18</sub>H<sub>12</sub>O<sub>3</sub>N<sub>4</sub>** C 65,1 — H 3,6 — O 14,5 — N 16,8 — M. G. 332.  
 1) **9-Nitro-5-Acetylamido- $\alpha\beta$ -Naphtophenasin.** Zers. bei 295—300° (B. 31, 3092).  
 2) **10-Nitro-5-Acetylamido- $\alpha\beta$ -Naphtophenasin (B. 31, 3094).**  
**C<sub>18</sub>H<sub>12</sub>O<sub>3</sub>Br<sub>2</sub>** 1) **Anhydrid d. Allo- $\alpha$ -Brom- $\beta$ -Phenylakrylsäure.** Sm. 72—74° (Am. 20, 91).  
**C<sub>18</sub>H<sub>12</sub>O<sub>4</sub>N<sub>2</sub>** C 67,5 — H 3,7 — O 20,0 — N 8,7 — M. G. 320.  
 1) **P-Dinitro-1,4-Diphenylbenzol.** Sm. 277° (A. 203, 125; J. 1881, 400). — II, 286.  
 2) **Indoxin.** Sm. 223° (B. 29, 660). — IV, 238.  
 3)  **$\alpha\beta$ -Di[1,2-Phtalylamido]äthan (Aethylendiphtalimid).** Sm. 232° (B. 20, 2225). — II, 1807.  
 4) **3-Phtalylamido-1-Phenyl-2,5-Diketotetrahydropyrrrol(phtalylasparaginphenylimid).** Sm. 263—264° (G. 16, 7). — II, 1811.  
 5) **Trioxypyrenylaposafranon (B. 31, 2437).**  
 6) **2,5-Diphenyl-1,4-Diazin-3,6-Dicarbonsäure.** Sm. 190°. Ag, (A. 291, 278). — IV, 1050.  
 7) **Aethylenimimid d. Benzol-1,2-Dicarbonsäure (Diphtaläthylendiimid).** Sm. 243—244° (G. 24 [1] 405; B. 27 [2] 404). — II, 1808.

- C<sub>18</sub>H<sub>12</sub>O<sub>4</sub>N<sub>2</sub>** 8) Verbindung (aus Aethylendibenzoyldicarbonsäure). Sm. 270° u. Zers. (B. 20, 1492). — II, 2034.
- C<sub>18</sub>H<sub>12</sub>O<sub>4</sub>N<sub>4</sub>** C 62,1 — H 3,4 — O 18,4 — N 16,1 — M. G. 348.
- 1) Phenylpyrazolonphenylpyridazoncarbonsäure. Sm. 245° u. Zers. (B. 27, 3454). — IV, 1265.
- C<sub>18</sub>H<sub>12</sub>O<sub>4</sub>N<sub>6</sub>** C 57,4 — H 3,2 — O 17,0 — N 22,3 — M. G. 376.
- 1) Dinitrophenostranin. HCl (B. 28, 513). — IV, 1278.
- C<sub>18</sub>H<sub>12</sub>O<sub>4</sub>Cl<sub>2</sub>** 1) 1,4-Diphenyläther d. 3,6-Dichlor-1,2,4,5-Tetraoxybenzol. Sm. 197 bis 198° (Am. 17, 596).
- C<sub>18</sub>H<sub>12</sub>O<sub>5</sub>N<sub>2</sub>** C 64,3 — H 3,6 — O 23,8 — N 8,3 — M. G. 336.
- 1) Di[Phtalylamidomethyl]äther. Sm. 207° (B. 31, 1232).
  - 2) 1-Nitroso-2,5-Diphenylpyrrol-2',5'-Dicarbonsäure. Sm. 210° (B. 19, 842). — IV, 452.
- C<sub>18</sub>H<sub>12</sub>O<sub>6</sub>N<sub>4</sub>** C 56,8 — H 3,2 — O 25,3 — N 14,7 — M. G. 380.
- 1) 2,4,6-Trinitrotriphenylamin. Sm. 62° (Soc. 59, 717). — II, 342.
  - 2) p-Trinitrotriphenylamin. Sm. 280° (B. 18, 2157; 23, 2539). — II, 342.
  - 3) 2,5-Di[2-Nitrophenylamido]-1,4-Benzochinon. Sm. 305° u. Zers. (B. 23, 2794; C. 1897 [1] 62). — III, 340.
- C<sub>18</sub>H<sub>12</sub>O<sub>6</sub>Br<sub>2</sub>** 1) Monacetat d. Dibrombrasiliein +  $\frac{1}{2}$  H<sub>2</sub>O (B. 23, 1428). — III, 655.
- 2) p-Dibrom- $\alpha$ -Diketo- $\alpha$ -Diphenylbutan-3,7-Dicarbonsäure? Sm. 270 bis 272° u. Zers. (B. 10, 2209). — II, 2034.
- C<sub>18</sub>H<sub>12</sub>O<sub>6</sub>P<sub>2</sub>** 1) 1,2-Dioxybenzolphosphorin. Sd. 202—203°, (B. 27, 2569, 2752). — II, 910.
- C<sub>18</sub>H<sub>12</sub>O<sub>7</sub>N<sub>2</sub>** C 58,7 — H 3,3 — O 30,4 — N 7,6 — M. G. 368.
- 1) Oxiresazoin (M. 8, 426). — II, 932.
  - 2) Anhydrid d.  $\beta$ -[4-Nitrophenyl]akrylsäure (A. 86, 260). — II, 1415.
- C<sub>18</sub>H<sub>12</sub>O<sub>7</sub>N<sub>8</sub>** C 47,8 — H 2,6 — O 24,8 — N 24,5 — M. G. 452.
- 1) 4-Phenylhydrazido-2,2',4',6'-Nitrostrinitroazobenzol. Sm. 115 bis 116° (J. pr. [2] 43, 492). — IV, 1359.
  - 2) 3'-Phenylhydrazido-2,4,6,5'-Nitrostrinitroazobenzol. Zers. bei 130° (J. pr. [2] 44, 460). — IV, 1499.
- C<sub>18</sub>H<sub>12</sub>O<sub>8</sub>N<sub>2</sub>** C 56,2 — H 3,1 — O 33,3 — N 7,3 — M. G. 384.
- 1) Dinitropolyopersäure. Sm. 230° (A. 195, 369). — II, 1907.
- C<sub>18</sub>H<sub>12</sub>O<sub>8</sub>N<sub>8</sub>** C 46,2 — H 2,6 — O 27,3 — N 23,9 — M. G. 468.
- 1) 3'-Phenylhydrazido-2,4,6,5'-Tetranitroazobenzol. Zers. bei 193° (J. pr. [2] 44, 462). — IV, 1499.
- C<sub>18</sub>H<sub>12</sub>O<sub>8</sub>Cl<sub>4</sub>** 1) Tetracetat d. 2,4,6,7-Tetrachlor-1,3,5,8-Tetraoxynaphthalin. Sm. noch nicht bei 250° (A. 286, 49).
- C<sub>18</sub>H<sub>12</sub>O<sub>8</sub>P<sub>2</sub>** 1) 1,2-Dioxybenzolphosphinoxyd. Sd. oberh. 360° (i. V.) (B. 27, 2571). — II, 910.
- C<sub>18</sub>H<sub>12</sub>O<sub>10</sub>N<sub>4</sub>** C 45,4 — H 2,5 — O 40,3 — N 11,8 — M. G. 476.
- 1) Diäthyläther d. 1,6-Dioxy-9,10-Anthrachinon (A. 143, 367). — III, 428.
- C<sub>18</sub>H<sub>12</sub>O<sub>10</sub>N<sub>6</sub>** C 39,1 — H 2,2 — O 43,5 — N 15,2 — M. G. 552.
- 1) Aethylester d.  $\alpha$ -Acetyl- $\alpha$ -Di[2,4,6-Trinitrophenyl]essigsäure. Sm. 205° u. Zers. (B. 23, 2720). — II, 1715.
- C<sub>18</sub>H<sub>12</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) 10-Chlorphenylat d. 2-Chlor-5,10-Naphtdiazin (Chlorphenylphenazoniumchlorid) (B. 30, 1830). — IV, 1001.
- C<sub>18</sub>H<sub>12</sub>N<sub>2</sub>Br<sub>2</sub>** 1) 6,6'-Bichinolyl dibromid (B. 17, 2448). — IV, 1069.
- C<sub>18</sub>H<sub>12</sub>N<sub>2</sub>Br<sub>4</sub>** 1) 2,7-Bichinolyltetrabromid (B. 18, 2473). — IV, 1069.
- 2) 6,6'-Bichinolyltetrabromid (B. 17, 1818, 2448). — IV, 1070.
  - 3) 6,7-Bichinolyltetrabromid (M. 6, 553). — IV, 1070.
- C<sub>18</sub>H<sub>12</sub>N<sub>2</sub>S<sub>2</sub>** 1) 2,2'-Dichinolyldisulfid. Sm. 137° (B. 21, 622). — IV, 291.
- C<sub>18</sub>H<sub>12</sub>N<sub>2</sub>Br<sub>3</sub>** 1) 4-Brom-1-Di[4-Bromphenylazo]amidobenzol (Bis-p-Bromdiazobenzol-p-Bromanilid) (B. 28, 831). — IV, 1521.
- C<sub>18</sub>H<sub>13</sub>ON** C 53,4 — H 5,0 — O 6,2 — N 5,4 — M. G. 259.
- 1) Acetylphenyl- $\beta$ -Naphthylcarbazol. Sm. 121° (A. 202, 7). — IV, 453.
  - 2) Acetylphenylnaphthylcarbazol. Sm. 142° (B. 29, 270). — IV, 453.
- C<sub>18</sub>H<sub>13</sub>ON<sub>3</sub>** C 75,2 — H 4,5 — O 5,6 — N 14,6 — M. G. 287.
- 1) 3-Oxy-5-Phenyl-1-[2-Naphthyl]-1,2,4-Triazol. Sm. 274—275°. Ag (Nor. 73, 371). — IV, 1158.
  - 2) 3-[2-Naphthyl]hydrazen-2-Oxypseudoindol ( $\beta$ -N. d. Isatin). Sm. 234° (B. 28, 2527). — IV, 930.

- C<sub>18</sub>H<sub>13</sub>ON<sub>3</sub>** 3) **Safraninon** (*s*-Aminobenzolindon). HCl (B. 28, 275; 30, 399; A. 286, 211). — IV, 1178.  
 4) **3-Phenylhydrazo-*n*-Naphtoxindol**. Sm. 268—270° (B. 21, 118). — II, 623.  
 5) **3-Acetylamoido- $\alpha\beta$ -Naphtophenazin**. Sm. 274° (B. 31, 2415).  
 6) **5-Acetylamoido- $\alpha\beta$ -Naphtophenazin**. Sm. oberh. 370° (B. 23, 846; 27, 3342; 29, 2951). — IV, 1204.  
 7) **6-Acetylamoido- $\alpha\beta$ -Naphtophenazin**. Sm. 240° (B. 31, 2411).  
 8) **Nitril d. 2-Oxy-1-[3-Methylphenyl]azonaphthalin-1-Carbonsäure**. Sm. 227° (B. 26, 52). — IV, 1466.
- C<sub>18</sub>H<sub>13</sub>OBr** 1) **Bromanhdrobishydrindon**. Zers. bei 180° (Soc. 65, 497). — III, 257. C 78,5 — H 4,7 — O 11,6 — N 5,1 — M. G. 275.
- C<sub>18</sub>H<sub>13</sub>O<sub>2</sub>N** 1) **P-Amido-P-Dioxychrysen**. IIJ (B. 24, 933). — II, 1004.  
 2) **3,4-Methylenäther d.  $\alpha$ -[3,4-Dioxophenyl]- $\beta$ -[2-Chinolyl]äthen** (Piperonylidenchinolin). Sm. 155° (B. 27, 1977). — IV, 455.  
 3) **1-[1-Naphtyl]imidomethylbenzol-2-Carbonsäure** (B. 29, 2038).  
 4) **1-[2-Naphtyl]imidomethylbenzol-2-Carbonsäure** (B. 29, 2038).  
 5) **2,6-Diphenylpyridin-4-Carbonsäure**. Sm. 275°. Ag (B. 20, 2761; 29, 798). — IV, 458.  
 6) **2-[ $\beta$ -Phenyläthenyl]chinolin-4-Carbonsäure**. Sm. 295° u. Zers. Mg, Ag (B. 22, 3007). — IV, 458.  
 7) **2-[ $\beta$ -Phenyläthenyl]chinolin-6-Carbonsäure**. Sm. 264° (B. 23, 2260). — IV, 459.  
 8) **Lakton d. 1-[1-Naphtyl]amidooxymethylbenzol-2-Carbonsäure**. Sm. 155—159° (B. 29, 2038).  
 9) **Lakton d. 1-[2-Naphtyl]amidooxymethylbenzol-2-Carbonsäure** (B. 29, 2038).  
 10) **Lakton d. 1-[ $\alpha$ -Oxy- $\beta$ -2-Chinolyläthenyl]benzol-2-Carbonsäure** (Monophthalidylchinaldin). Sm. 104°. (2HCl, PtCl<sub>6</sub>, (HCl, AuCl<sub>5</sub>) (B. 29, 188). — IV, 309.
- C<sub>18</sub>H<sub>13</sub>O<sub>2</sub>N<sub>3</sub>** C 71,3 — H 4,3 — O 10,6 — N 13,8 — M. G. 303.  
 1) **Acetat d. 4-Oxyphenylazimido- $\beta$ -Naphthalin**. Sm. 164—165° (B. 18, 3138). — IV, 1576.  
 2) **P-Nitro-2-Methyl-1-[2-Naphtyl]benzimidazol**. Sm. 162° (B. 21, 592). — IV, 877.  
 3) **Amidooxyaposafranon**. Sm. 270—280° u. Zers. (A. 266, 256). — IV, 1179. C 65,2 — H 3,9 — O 9,7 — N 21,1 — M. G. 331.
- C<sub>18</sub>H<sub>13</sub>O<sub>2</sub>N<sub>5</sub>** 1) **Phenylpyrazolourubazonsäure**. Sm. 124° (127°) u. Zers. (B. 27, 784; J. pr. [2] 51, 62; [2] 52, 30). — IV, 1162, 1490.
- C<sub>18</sub>H<sub>13</sub>O<sub>2</sub>Br** 1) **2-Brom-1,1'-Diketo-2,3,2',3'-Tetrahydro-2,2'-Biinden**. Sm. 170 bis 178° u. Zers. (Soc. 71, 243; B. 29 [2] 870).
- C<sub>18</sub>H<sub>13</sub>O<sub>2</sub>N** C 74,2 — H 4,5 — O 16,5 — N 4,8 — M. G. 291.  
 1) **1-Naphtylmonamid d. Benzol-1,2-Dicarbonsäure (1-Naphtylphthalimid-säure)**. Sm. 183—185° (G. 15, 480). — II, 1797.  
 2) **2-Naphtylmonamid d. Benzol-1,2-Dicarbonsäure** (G. 15, 480). — II, 1797.  
 3) **Verbindung** (aus d. Anhydro-1-[ $\beta$ -Oxyäthenyl]benzol-2-Carbonsäure). Sm. 285°. Ag (B. 27, 210). — II, 1641.
- C<sub>18</sub>H<sub>13</sub>O<sub>2</sub>N<sub>5</sub>** C 62,2 — H 3,7 — O 13,8 — N 20,2 — M. G. 347.  
 1) **Phenylpyrazolondiketohydroxypyridinphenylhydrazon**. Zers. bei 245°. Phenylhydrazinsalz (B. 27, 3453). — IV, 727.
- C<sub>18</sub>H<sub>13</sub>O<sub>2</sub>Br** 1) **Acetat d. 6-Brom-1-Keto-2-[2-Oxybenzyliden]-2,3-Dihydroinden**. Sm. 142° (B. 31, 722).  
 2) **Acetat d. 6-Brom-1-Keto-2-[3-Oxybenzyliden]-2,3-Dihydroinden**. Sm. 173—174° (B. 31, 722).  
 3) **Acetat d. 6-Brom-1-Keto-2-[4-Oxybenzyliden]-2,3-Dihydroinden**. Sm. 226—227° (B. 31, 723).
- C<sub>18</sub>H<sub>13</sub>O<sub>4</sub>N** C 70,4 — H 4,2 — O 20,8 — N 4,6 — M. G. 307.  
 1) **Berberolin**. H<sub>2</sub>SO<sub>4</sub> + 2H<sub>2</sub>O (Soc. 55, 87). — III, 803.  
 2) **2,5-Diphenylpyrrol-2<sup>5</sup>,5'-Dicarbonsäure**. Sm. 230—232° (B. 19, 840). — IV, 451.  
 3) **Pulvinaminsäure** (Monamid d. Pulvinsäure). Sm. 226° (220°). NH<sub>4</sub>, K + 5H<sub>2</sub>O, Zn, Ag + H<sub>2</sub>O (B. 13, 1633; A. 219, 14; 282, 23, 49). — II, 2031.

- C<sub>15</sub>H<sub>13</sub>O<sub>4</sub>N**
- 4) **Methylester d. 4-Phenylamido-1,2-Naphtochinon-4<sup>o</sup>-Carbonsäure.** Sm. 188° (B. 27, 3073). — **III**, 395.
  - 5) **Verbindung (aus Isomethylengphthalid).** Sm. 179—180° (B. 17, 2666). — **II**, 1647.
  - 6) **Verbindung (aus d. Chinon C<sub>15</sub>H<sub>10</sub>O<sub>4</sub>).** Sm. 202—203° u. Zers. (A. 293, 112).
- C<sub>15</sub>H<sub>13</sub>O<sub>4</sub>N<sub>2</sub>**
- 1) **?-Dinitrotriphenylamin.** Sm. 206—207° (B. 23, 2538). — **II**, 342.
  - 2) **3-Nitro-2,5-Di[Phenylamido]-1,4-Benzochinon.** Sm. 260° u. Zers. (B. 28, 1387). — **III**, 343.
  - 3) **Acetat d. 2-[4-Nitrophenyl]azo-1-Oxynaphthalin.** Sm. 179,5° (B. 28, 851, 1125). — **IV**, 1430.
  - 4) **Acetat d. 4-[4-Nitrophenyl]azo-1-Oxynaphthalin.** Sm. 165—166° (B. 28, 851, 1125). — **IV**, 1430.
  - 5) **Acetat d. 1-[3-Nitrophenyl]azo-2-Oxynaphthalin.** Sm. 161—162° (Soc. 53, 465). — **IV**, 1430.
  - 6) **Acetat d. 1-[4-Nitrophenyl]azo-2-Oxynaphthalin.** Sm. 192—193° (Soc. 53, 466). — **IV**, 1431.
- C<sub>15</sub>H<sub>13</sub>O<sub>4</sub>Br**
- 1) **Bromtriresorcin.** HBr + H<sub>2</sub>O (A. 289, 67).
- C<sub>15</sub>H<sub>13</sub>O<sub>5</sub>N**
- C 66,9 — H 4,0 — O 24,8 — N 4,3 — M. G. 323.
  - 1) **Pulvinydroxamsäure.** Sm. 194° u. Zers. Anilinsalz (A. 282, 34). — **II**, 2031.
  - 2) **Verbindung (aus Diphtalylsäure).** Sm. 150—152° (A. 242, 231). — **II**, 2029.
- C<sub>15</sub>H<sub>13</sub>O<sub>5</sub>N<sub>3</sub>**
- C 61,6 — H 3,7 — O 22,8 — N 11,9 — M. G. 351.
  - 1) **Tartrandibenzamimid.** (A. 232, 165). — **II**, 1267.
- C<sub>15</sub>H<sub>13</sub>O<sub>6</sub>N**
- C 63,7 — H 3,8 — O 28,3 — N 4,1 — M. G. 339.
  - 1) **Säure (aus Corydinsäure) + 2H<sub>2</sub>O.** Pb (C. 1897 [2] 133).
  - 2) **Monacetat d. 3-Acetylamido-9,10-Anthrachinon.** Sm. 268—271° u. Zers. (B. 18, 1668). — **III**, 424.
- C<sub>15</sub>H<sub>13</sub>O<sub>6</sub>Cl**
- 1) **Triphloroglucinchlorid + 2½H<sub>2</sub>O.** (A. 276, 333). — **II**, 1020.
- C<sub>15</sub>H<sub>13</sub>O<sub>6</sub>Br**
- 1) **Acetat d. Bromthebaolchinon.** Sm. 310° (B. 30, 1391).
- C<sub>15</sub>H<sub>13</sub>O<sub>6</sub>N**
- C 60,8 — H 3,7 — O 31,6 — N 3,9 — M. G. 355.
  - 1) **Aristinsäure.** Sm. 275°. K + 2H<sub>2</sub>O, Ca + 4H<sub>2</sub>O, Ba + 2H<sub>2</sub>O, Pb + 2H<sub>2</sub>O, Cu + 3H<sub>2</sub>O, Ag (B. 29 [2] 38). — **III**, 780.
  - 2) **Aristidinsäure.** Zers. bei 260° (B. 29 [2] 38). — **III**, 780.
- C<sub>15</sub>H<sub>13</sub>O<sub>7</sub>N<sub>3</sub>**
- C 56,4 — H 3,4 — O 29,2 — N 11,0 — M. G. 383.
  - 1) **2,4,6-Trinitrophenyläther d. 2-Oxy-1,4-Dimethylnaphthalin.** Sm. 189—190° (B. 31, 1679).
- C<sub>15</sub>H<sub>13</sub>N<sub>2</sub>Cl**
- 1) **Chlorphenylat d. 5,10-Naphtdiazin (Phenylphenazoniumchlorid).** + FeCl<sub>3</sub>, 2 + PtCl<sub>6</sub>, + AuCl<sub>3</sub> (B. 29, 2316, 2968; 30, 2622). — **IV**, 1001.
- C<sub>15</sub>H<sub>13</sub>N<sub>2</sub>S<sub>2</sub>**
- 1) **5-Phenylamido-2-Thiocarbonyl-3-[1-Naphthyl]-2,3-Dihydro-1,3,4-Thiodiazol.** Sm. 255° u. Zers. (B. 24, 4192). — **IV**, 927.
- C<sub>15</sub>H<sub>13</sub>N<sub>2</sub>Cl<sub>2</sub>**
- 1) **Diazophenoxyfraninchlorid.** + 2AuCl (B. 16, 469). — **IV**, 1284.
- C<sub>15</sub>H<sub>14</sub>O<sub>4</sub>N<sub>2</sub>**
- 1) **2-Phenylamido-4-Phenylimido-1-Keto-1,4-Dihydrobenzol (Anilidochinonphenylimid).** Sm. 125° (B. 26, 385). — **IV**, 838.
  - 2) **4'-Oxy-4-Phenylazobenzol.** Sm. 240° (B. 31, 482; A. 300, 254). — **IV**, 1415.
  - 3) **3-[2-Naphthyl]amido-1,4-Benzoxazin.** Sm. 154—155° (Am. 20, 567).
  - 4) **Phenoxyhydrat d. 5,10-Naphtdiazin (Phenylphenazoniumhydrat).** Salze, siehe diese. Chlorid, Nitrat, Bichromat (B. 29, 2316, 2968; 30, 2622). — **IV**, 1001.
  - 5) **Aethyläther d. 9 oder 10-Oxy- $\alpha\beta$ -Naphthophenazin.** Sm. 186—187° (B. 25, 496). — **IV**, 1055.
  - 6) **Aethylphenonaphthason.** Sm. 192—193° (A. 290, 300). — **IV**, 1055.
  - 7) **Aethylisorindon.** Sm. 180° (C. 1898 [2] 920).
  - 8) **ms-Aethylisorindon.** Sm. 178° (B. 29, 2759; 31, 2478). — **IV**, 1055.
  - 9) **N-Acetyl-dihydro- $\alpha$ -Naphtholin.** Sm. 174° (B. 27, 2258). — **IV**, 1039.
  - 10) **Nitril d.  $\beta$ -Aethoxy- $\alpha$ -Naphtholin.** Sm. 115—116° (B. 27, 834). — **II**, 1977.
- C<sub>15</sub>H<sub>14</sub>ON<sub>4</sub>**
- 1) **4-Phenylnitrosamidoazobenzol.** Sm. 119,5° (B. 12, 261). — **IV**, 1356.
  - 2) **4-Oxy-1,3-Di[Phenylazo]benzol.** Sm. 131° (A. 137, 87; 263, 237; 288, 242; B. 9, 628; Soc. 37, 572). — **IV**, 1415.

- $C_{18}H_{11}ON_4$  3) 5-Oxy-1,3-Di[Phenylazo]benzol. Sm. 176—177° (B. 22, 2193). — IV, 1416.  
 4) Acetyl derivat d. Verb.  $C_{16}H_{12}N_4$ . Sm. 137—139° (B. 20, 2900). — IV, 1542.  
 5) Monoacetyl derivat d. Base  $C_{16}H_{12}N_4$  (aus d. Verb.  $C_{16}H_{10}O_2N_4$ ). Sm. 260—261° (A. 255, 353). — IV, 1171.
- $C_{18}H_{14}ON_5$  C 65,5 — H 4,2 — O 4,8 — N 25,4 — M. G. 330.  
 1) 4-[2-Amido-1-Naphthyl]azo-3-Oxy-1-Phenyl-1,2,5-Triazol (A. 295, 160). — IV, 1235.  
 C 74,5 — H 4,8 — O 11,0 — N 9,7 — M. G. 290.
- $C_{18}H_{14}O_2N_2$  1)  $\beta$ -Nitrotriphenylamin. Sm. 139—140° (B. 23, 2537; 31, 2988). — II, 342.  
 2) 4-Nitroso-1-Phenylacetylamidonaphthalin. Sm. 81° (A. 286, 182).  
 3)  $\alpha$ -Benzoyl-1-Naphthylharstoff. Sm. 243—243,5° (Soc. 71, 1202).  
 4)  $\alpha$ -Benzoyl-2-Naphthylharstoff. Sm. 219—220° (Soc. 71, 1202).  
 5) Benzoyl-2-Naphtenylamidoxim. Sm. 179° (B. 22, 2451). — II, 1455.  
 6) 2,5-Di[Phenylamido]-1,4-Benzochinon (J. 1863, 415; B. 5, 851; 16, 1556; 21, 2618; 22, 1655; A. 210, 178; 228, 331). — III, 340.  
 7) 5-Phenylamido-2-Oxy-1,4-Benzochinonphenylimid (B. 18, 788). — III, 347.  
 8) Acetat d. 2-Oxy-1-Phenylazonaphtalin. Sm. 117° (G. 15, 407; Soc. 53, 466; 55, 117; 63, 930; B. 24, 2306). — IV, 1428.  
 9) Acetat d. 4-Oxy-1-Phenylazonaphtalin. Sm. 128° (B. 17, 3030). — IV, 1427.  
 10) Acetat d. 1-Oxy-2-Phenylazonaphtalin. Sm. 120—121° (Soc. 65, 810). — IV, 1429.  
 11) 2-Oxy-1-[4-Acetylphenyl]azonaphtalin (B. 18, 2695). — IV, 1478.  
 12) 3,5-Diketo-4-[ $\gamma$ -Phenylallylidene]-1-Phenyltetrahydropyrazol. Sm. 252° (B. 30, 1018). — IV, 992.  
 13) Benzoat d. 6-Oxy-4-Methyl-2-Phenyl-1,3-Diazin. Sm. 150° (PINNER, Imidoketether 243). — IV, 957.  
 14) Aethylpseudoisatin- $\beta$ -Indogenid. Sm. 197—198° (B. 16, 2200). — II, 1615.  
 15) Dimethylindirubin (B. 28, 2526).  
 16) Oxyaposafranon. Sm. 280° u. Zers. (A. 286, 252; B. 28, 2287).  
 17) Dimethylamidophenonaphtoxazon. Sm. 244°. HCl (A. 289, 123). — IV, 1061.  
 18) Muscarin (B. 25, 3003). — IV, 1060.  
 19) Methylester d. 2,3-Diphenyl-1,4-Diazin-5-Carbonsäure. Sm. 115 bis 116° (Soc. 63, 1306). — IV, 1049.  
 20) Nitril d.  $\beta$ -Benzoylimido- $\alpha$ -Benzoylbuttersäure. Sm. 158° (J. pr. [2] 47, 112). — II, 1195.  
 21) Verbindung (aus Indirubin). Sm. 204° (B. 28, 2525).  
 22) Verbindung (aus Diacetonitril u. Salicylaldehyd). Sm. 179—180° (J. pr. [2] 56, 139).
- $C_{18}H_{11}O_2N_4$  C 67,9 — H 4,4 — O 10,1 — N 17,6 — M. G. 318.  
 1) 1,3-Di[Phenylnitrosamido]benzol. Sm. 102° (B. 16, 2798). — IV, 572.  
 2) 1,4-Di[Phenylnitrosamido]benzol. Sm. 120° u. Zers. (M. 8, 479). — IV, 585.  
 3) 3-Nitro-4'-Phenylamidoazobenzol. Sm. 136—137° (Soc. 45, 118). — IV, 1359.  
 4) 4-Nitro-4'-Phenylamidoazobenzol. Sm. 151° (Soc. 43, 440; 45, 119). — IV, 1359.  
 5) 1,4-Di[4-Oxyphenylazo]benzol. Sm. 205—207° (Soc. 47, 659). — IV, 1416.  
 6)  $\beta$ -Di 4-Oxyphenylazo]benzol (B. 15, 3021). — IV, 1416.  
 7) 1-Phenylazo-4-[m-Dioxyphenylazo]benzol. Sm. 183—184° (B. 15, 2818). — IV, 1444.  
 8) isom. 1-Phenylazo-4-[m-Dioxyphenylazo]benzol. Sm. 215° (B. 15, 2818). — IV, 1444.  
 9) 2,4-Di[Phenylazo]-1,3-Dioxybenzol. Sm. 220—222° (B. 17, 880; 21, 3118). — IV, 1443.  
 10) 4,6-Di[Phenylazo]-1,3-Dioxybenzol. Sm. 213—215° (217°) (B. 15, 24, 2816; 21, 3117). — IV, 1443.

- C<sub>11</sub>H<sub>14</sub>O<sub>2</sub>N<sub>4</sub>** 1) *2-Di[Phenylazo]-1,3-Dioxybenzol.* Sm. 220° (B. 15, 24, 2817; 21, 3117). — IV, 1443.  
 12) *3,3'-Bi-5-Keto-1-Phenyl-4,5-Dihydropyrazol.* Sm. 275° u. Zers. (B. 28, 68). — IV, 722.  
 13) *3,5'-Diphenyl-3',5-Aethylenbi[1,2,4-Oxidiazol].* Sm. 158—159° (B. 22, 2960). — II, 1210.  
 14) *3-Methyl-2-(4-Nitrophenyl)-2,3-Dihydro-1,2,4-Naphthotriazin.* Sm. 107°. + C<sub>2</sub>H<sub>5</sub>O (Soc. 59, 697). — IV, 1396.  
 15) *α-Imidobenzylamid d. 6-Oxy-2-Phenyl-1,3-Diazin-4-Carbonsäure.* Sm. 263° u. Zers. (B. 22, 2615). — IV, 988.  
 16) *Benzylidenhydrazid d. 5-Keto-4-Benzyliden-4,5-Dihydropyrazol-3-Carbonsäure.* Sm. noch nicht bei 250° (J. pr. [2] 51, 57). — IV, 987.
- C<sub>18</sub>H<sub>14</sub>O<sub>2</sub>N<sub>6</sub>** C 62,4 — H 4,0 — O 9,2 — N 24,3 — M. G. 346.  
 1) *Benzylidenhydrazid d. 4-Benzylidenhydrazon-5-Keto-4,5-Dihydropyrazol-3-Carbonsäure.* Sm. 217,5° (J. pr. [2] 51, 58). — IV, 535.
- C<sub>18</sub>H<sub>14</sub>O<sub>2</sub>Cl<sub>2</sub>** 1) *Chlorid d. α-Truxillsäure.* Sm. 125° (B. 22, 681). — II, 1901.  
 2) *Chlorid d. β-Truxillsäure.* Sm. 96° (B. 22, 2260). — II, 1902.  
 3) *Chlorid d. γ-Truxillsäure.* Sm. 140° (B. 22, 682). — II, 1893.
- C<sub>18</sub>H<sub>14</sub>O<sub>2</sub>Br<sub>2</sub>** 1) *Dibromretichenon.* Sm. 250—252° (A. 229, 120). — III, 458.
- C<sub>18</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>** C 70,6 — H 4,6 — O 15,7 — N 9,1 — M. G. 306.  
 1) *2-Naphylamidomethyl-3-Nitrophenylketon.* Sm. 179° (B. 30, 575).  
 2) *3-Acetylamido-4-Phenylamido-1,2-Naphtochinon.* Sm. 308° (B. 31, 2410).  
 3) *6-Acetylamido-4-Phenylamido-1,2-Naphtochinon.* Sm. 282° u. Zers. (B. 31, 2416).  
 4) *4-Acetylamido-4-Phenylimido-2-Oxy-1-Keto-1,4-Dihydronaphthalin.* Sm. 215° (B. 15, 286). — III, 393.  
 5) *Monacetat d. 1-Phenylazo-2,4-Dioxynaphthalin.* Sm. 173° (A. 286, 87; B. 17, 1812). — IV, 1449.  
 6) *Monoacetat d. 1-Phenylazo-2,7-Dioxynaphthalin.* Sm. 181° (B. 23, 524). — IV, 1450.  
 7) *Monacetat d. 1-Phenylazo-3,4-Dioxynaphthalin.* Sm. 133° (A. 286, 83). — IV, 1449.  
 8) *Monamid d. s-Diphenylketipsäuremononitril.* Sm. 199—200° u. Zers. (A. 282, 45). — II, 2032.  
 9) *α,β-Phenylimid-γ-Phenylamid d. Propen-α,β-Tricarbonsäure.* Sm. 250—252° (A. 98, 80; Soc. 55, 238; Am. 9, 192). — II, 423.
- C<sub>18</sub>H<sub>14</sub>O<sub>3</sub>N<sub>4</sub>** C 64,7 — H 4,2 — O 14,4 — N 16,7 — M. G. 334.  
 1) *3,5-Di[Phenylnitrosamido]-1-Oxybenzol* (G. 20, 343). — II, 724.  
 2) *2,4-Di[Phenylazo]-1,3,5-Trioxibenzo.* Sm. 228—230° (B. 12, 226; Soc. 71, 190). — IV, 1450.  
 3) *2-Acetylamido-1-[2-Nitrophenyl]azonaphthalin.* Sm. 154° (Soc. 59, 373). — IV, 1394.  
 4) *2-Acetylamido-1-[3-Nitrophenyl]azonaphthalin.* Sm. 192° (Soc. 59, 377). — IV, 1395.  
 5) *2-Acetylamido-1-[4-Nitrophenyl]azonaphthalin.* Sm. 227—228° (Soc. 59, 376). — IV, 1395.  
 6) *2-Oxy-1-[3-Methylphenyl]azonaphthalin-1<sup>a</sup>-Carbonsäure.* Sm. 283° u. Zers. (B. 26, 52). — IV, 1466.  
 7) *4-Oxy-1-[3-Methylphenyl]azonaphthalin-1<sup>a</sup>-Carbonsäure.* Sm. 270° u. Zers. (B. 26, 54). — IV, 1466.  
 8) *Verbindung (aus Anilin u. Trichlorcitratinamid)* (B. 21, 1248; 27, 579). — II, 423.
- C<sub>18</sub>H<sub>14</sub>O<sub>4</sub>N<sub>2</sub>** C 67,1 — H 4,3 — O 19,9 — N 8,7 — M. G. 322.  
 1) *2,4-Di[Benzoylamido]-1,3-Dioxy-R-Buten + 1/2H<sub>2</sub>O* (Dibenzamido-dioxytetrol). Sm. 137—138° (wasserfrei). Ca, Pb (B. 21, 3325; 22, 115). — II, 1185.  
 2) *Dimethyläther d. Dioxyindigo.* subl. (B. 22, 2351). — II, 1621.  
 3) *1,5-Di[Acetylamido]-9,10-Anthrachinon* (B. 16, 368). — III, 414.  
 4) *2,3,5,6-Tetraketo-1,4-Di[2-Methylphenyl]hexahydro-1,4-Diazin.* Sm. 274°. + 2 Aceton (J. pr. [2] 47, 188). — II, 467.  
 5) *β-Naphtolazoanissäure + 1 1/2H<sub>2</sub>O.* Ba + 4 1/2H<sub>2</sub>O (B. 14, 2039). — IV, 1471.

- $C_{18}H_{14}O_4N_2$  6) Diacetat d. **9,10-Dioximido-9,10-Dihydrophenanthren**. Sm. 184° (B. 22, 1993). — **III, 446.**
- 7) Verbindung (aus 5-Keto-1-Aethyl-2-Benzyliden-3,4-Diphenyl-2,5-Dihydropyrrrol). Sm. 151° (B. 24, 3874). — **II, 1728.**
- 8) Verbindung (aus Cymol). Sm. 125° (A. 172, 314; B. 6, 937; **20**, 3361; R. 6, 63). — **III, 360.**
- 9) Verbindung (aus 1,4-Benzochinon u. 4-Amido-1-Oxybenzol). Sm. noch nicht bei 290° (A. 226, 70). — **III, 346.**
- $C_{18}H_{14}O_4N_4$
- 1) **1-Pheylamido-2-[ $\beta$ -Dinitrophenyl]amidobenzol**. Sm. 170—171° (J. pr. [2] 46, 572). — **IV, 556.**
  - 2) **4,6-Dinitro-1,3-Di[Phenylamido]benzol**. Sm. 186° (B. 30, 1668). — **IV, 572.**
  - 3) **4-Amido-4'-[2,4-Dinitrophenyl]amidobiphenyl**. Sm. 245° (B. 9, 981). — **IV, 963.**
  - 4) **1,4-Dibenzoyl-3,6-Diamido-2,5-Diketo-1,2,4,5-Tetrahydro-1,4-Diazin** (Hippuroflavindiamid). Sm. 237—238° (A. 287, 94).
  - 5) **4-[2-Nitrophenyl]azo-1-Naphthylamidoessigsäure**. Sm. 94—96° u. Zers. K, HCl (B. 25, 1607). — **IV, 1398.**
  - 6) **4-[3-Nitrophenyl]azo-1-Naphthylamidoessigsäure**. Sm. 139° u. Zers. K, HCl (B. 25, 1609). — **IV, 1398.**
  - 7) **4-[4-Nitrophenyl]azo-1-Naphthylamidoessigsäure**. Sm. 125° u. Zers. K, HCl (B. 25, 1606). — **IV, 1398.**
- $C_{18}H_{14}O_4N_6$  C 57,1 — H 3,7 — O 16,9 — N 22,2 — M. G. 378.
- 1) **Dinitrophenylphenylblau** (B. 28, 512). — **IV, 1278.**
- $C_{18}H_{14}O_4Cl_4$  Tetrachlorhydronopolyporsäure. Sm. 108° (A. 195, 372). — **II, 1907.**
- $C_{18}H_{14}O_4Br_4$  1) Acetat d. **Dibromthebaol**. Sm. 179° (B. 30, 1389).
- $C_{18}H_{14}O_4S$  Säure (aus Thiodiglykolsäure u. Benzaldehyd).  $Na_2 + 2\frac{1}{2}H_2O$  (B. 18, 3242). — **II, 1638.**
- $C_{18}H_{14}O_4S_2$
- 1) **1,3-Di[Phenylsulfon]benzol**. Sm. 190—191° (B. 19, 2421). — **II, 814.**
  - 2) **Phenyläthenyldisulfiddicarbonsäure** (Disulfidzimmtsäure). Sm. 179°.  $Na_2$  (M. 8, 351). — **II, 1638.**
- $C_{18}H_{14}O_5N_2$  C 63,9 — H 4,1 — O 23,7 — N 8,3 — M. G. 338.
- 1) **Rhodisoanilid** (B. 21, 1855). — **III, 355.**
- $C_{18}H_{14}O_5N_4$  C 59,0 — H 3,8 — O 21,9 — N 15,3 — M. G. 366.
- 1) **Aethylester d.  $\alpha$ -[N-Benzoyl-3-Nitrophenylhydrazon]- $\alpha$ -Cyanessigsäure**. Sm. 174—175° (J. pr. [2] 51, 223). — **IV, 1456.**
  - 2) Verbindung (aus Acpfelsäurebiphenylhydrazid). Sm. 199° (B. 24, 4193). — **IV, 712.**
- $C_{18}H_{14}O_5Br_2$  1) **2-Acetyl-3,4-Methylenäther d.  $\alpha\beta$ -Dibrom- $\gamma$ -Keto- $\gamma$ -[2-Oxyphenyl]- $\alpha$ -[3,4-Dioxypyphenyl]propan**. Sm. 113—114° (B. 32, 316).
- $C_{18}H_{14}O_5S_2$  1) **Phenylester d. Diphenylsulfon-3-Sulfonsäure**. Sm. 106° (B. 19, 2421). — **II, 814.**
- 2) Verbindung (aus Benzolsulfonsäurechlorid u. Oxybenzol). Sm. 123° (G. II, 66). — **II, 668.**
- $C_{18}H_{14}O_6N_2$  C 61,0 — H 3,9 — O 27,1 — N 7,9 — M. G. 354.
- 1) **Dimethyläther d. 4,5-Di[4-Oxybenzoyl]-1,2,3,6-Dioxiazol** (Dianisyldinitrosacyl). Sm. 139° (B. 23, 1202; R. 10, 215). — **III, 134.**
- $C_{18}H_{14}O_6N_4$  C 56,6 — H 3,7 — O 25,1 — N 14,6 — M. G. 382.
- 1) Verbindung (aus Weinsäurediphenylhydrazid). Sm. 182° (B. 24, 4193). — **IV, 721.**
- $C_{18}H_{14}O_6Br_2$  1) **Monacetat d. Dibrombrasolin**. Sm. 170° (B. 27, 528). — **III, 653.**
- $C_{18}H_{14}O_6S_2$  1) **1,3-Phenylenester d. Benzolsulfonsäure**. Sm. 69—70° (B. 24, 417). — **II, 918.**
- 2) **1,4-Phenylenester d. Benzolsulfonsäure**. Sm. 120—121° (B. 24, 418). — **II, 941.**
- $C_{18}H_{14}O_7N_2$  C 58,4 — H 3,8 — O 30,3 — N 7,5 — M. G. 370.
- 1) **Tartrandibenzamsäure**.  $Cu_2$  (A. 232, 160). — **II, 1267.**
  - 2) **Dimethylester d. Azoxybenzol-4,4'-Diketocarbonsäure**. Sm. 173 bis 175° (B. 22, 206). — **IV, 1345.**
- $C_{18}H_{14}O_8N_2$  C 56,0 — H 3,6 — O 33,2 — N 7,2 — M. G. 386.
- 1) **Dinitro- $\beta$ -Cocasäure**. Sm. 252° (A. 271, 205). — **II, 1404.**
  - 2)  **$\alpha$ -Dinitro- $\alpha$ -Truxillsäure**. Sm. 228—229° (B. 24, 2589). — **II, 1901.**



- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>N** C 78,0 — H 5,4 — O 11,5 — N 5,1 — M. G. 277.
- 1) **Methyläther d. 4-[4-Methylphenyl]imido-2-Oxy-1-Keto-1,4-Dihydro-naphthalin.** Sm. 150° (B. 15, 1970). — III, 394.
  - 2) **Aethyläther d. 4-Phenylimido-2-Oxy-1-Keto-1,4-Dihydronaphthalin.** Sm. 104° (B. 14, 1496; 15, 282). — III, 393.
  - 3) **β-[2-Naphthyl]äther d. α-Oximido-β-Oxy-α-Phenyläthan.** Sm. 144 bis 145° (B. 28, 3032). — III, 133.
  - 4) **Acetat d. 7-Phenylamido-2-Oxynaphthalin.** Sm. 162° (B. 28, 3088). — II, 886.
  - 5) **9-Diacetylamidoanthracen.** Sm. 159° (B. 23, 2525). — II, 640.
  - 6) **β-Aethylphenylamido-1,2-Naphtochinon?** Sm. 165° (B. 15, 691). — III, 393.
  - 7) **2-Aethylphenylamido-1,4-Naphtochinon.** Sm. 155°. HCl (B. 15, 1810). — III, 376.
  - 8) **2-Oxy-β-Phenyl-1,4-Naphtochinonäthylimid.** Sm. 129—130° (A. 228, 40). — III, 460.
  - 9) **Methyläther d. 2-[β-Phenyläthenyl]-5-[4-Oxyphenyl]oxazol.** Sm. 99 bis 100°. HCl (B. 29, 2102). — IV, 456.
  - 10) **2,6-Dioxy-4-Phenyl-3-Benzylpyridin.** Sm. 175° (Soc. 75, 251).
  - 11) **α-[3-Methoxy-4-Oxyphenyl]-β-[2-Chinolyl]äthen (Vanilloäthylen-chinolin).** Sm. 182°. HCl, + 2½H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (B. 27, 1975). — IV, 454.
  - 12) **Acetat d. 4-Methyl-2-[4-Oxyphenyl]chinolin (A. d. Flavenol).** Sm. 128° (B. 16, 69). — IV, 436.
  - 13) **Acetat d. 2-[4-Oxy-3-Methylphenyl]chinolin.** Sm. 106° (M. 9, 106). — IV, 434.
  - 14) **Aethylester d. 2-Phenylchinolin-4-Carbonsäure.** Sm. 50—51°. (2HCl, PtCl<sub>4</sub>, Plkrat (J. pr. [2] 58, 297).
  - 15) **Oxim d. Verbindung C<sub>18</sub>H<sub>14</sub>O<sub>2</sub>.** Sm. 192° u. Zers. (B. 28, 1210). — III, 325.
  - 16) **2-Methyl-1,5-Diphenylpyrrol-3-Carbonsäure.** Sm. 226° (B. 18, 2595). — IV, 357.
  - 17) **2,6-Diphenyl-1,4-Dihydropyridin-4-Carbonsäure.** NH<sub>4</sub> (B. 20, 2760). — II, 1901.
  - 18) **3-Crotonyl-β-Naphtochinolin-1-Carbonsäure + H<sub>2</sub>O.** Sm. 226° (wasserfrei). Ag (B. 27, 2024). — IV, 450.
  - 19) **Phenylester d. Diphenylamidoameisensäure.** Sm. 103—104° (B. 20, 2122). — II, 663.
  - 20) **Benzylester d. 2-Methylchinolin-3-Carbonsäure.** Sm. 82° (A. 282, 124). — IV, 353.
  - 21) **2-Naphtylester d. 2-Methylphenylamidoameisensäure.** Sm. 149° (B. 25, 1087). — II, 878.
  - 22) **Aethylimid d. αβ-Diphenyläthen-αβ-Dicarbonsäure (Ac. d. Diphenylmaleinsäure).** Sm. 108° (B. 26, 2478). — II, 1897.
  - 23) **Aethylimid d. αβ-Diphenyläthen-αα-2-Dicarbonsäure (Benzalhomophthaläthyrimid).** Sm. 97° (B. 20, 2498). — III, 36.
  - 24) **Phenylamid d. 2-Oxynaphthalinmethyläther-1-Carbonsäure.** Sm. 169° (J. pr. [2] 41, 317). — II, 1690.
  - 25) **Phenylamid d. 4-Oxynaphthalinmethyläther-1-Carbonsäure.** Sm. 218° (J. pr. [2] 41, 316). — II, 1689.
  - 26) **Methylphenylamid d. 3-Oxynaphthalin-2-Carbonsäure.** Sm. 150° (B. 25, 3635). — II, 1691.
  - 27) **1-Naphtylamid d. α-Oxyphenylessigsäure.** Sm. 140° (A. 279, 129). — II, 1552.
  - 28) **2-Naphtylamid d. α-Oxyphenylessigsäure.** Sm. 189° (A. 279, 129). — II, 1552.
  - 29) **Verbindung (aus Benzoylessigsäurealdehyd).** Sm. 219—220° (B. 21, 1138). — III, 95.
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>N<sub>3</sub>** C 70,8 — H 4,9 — O 10,5 — N 13,8 — M. G. 305.
- 1) **4-Acetylamido-1-[3-Oxyphenyl]azonaphthalin.** Sm. 232—235° (B. 27 [2] 596). — IV, 1415.
  - 2) **2-Phenylazo-4-Acetylamido-1-Oxynaphthalin.** Sm. 267—268° (B. 29, 2949). — IV, 1431.

- $C_{18}H_{14}O_2N$ , 3) 2-Oxyphenylacetylhydrazimido- $\beta$ -Naphtalin. Sm. 138° (B. 18, 3127). — IV, 1576.  
 4) 4-Oxyphenylacetylhydrazimido- $\beta$ -Naphtalin. Sm. 21° (B. 18, 3129). — IV, 1576.  
 5)  $\alpha$ -[2-Naphthyl- $\beta$ -Phenylguanidin-3-Carbonsäure. HCl B. 16, 308. — II, 1269.  
 6) 4-Phenylazo-1-Naphthylamidoessigsäure. Sm. 153° u. Zers. HCl K (B. 24, 242). — IV, 1556.  
 7) Methylester d. 5- $\beta$ -Phenyläthenyl-1-Phenyl-1,2,4-Triazol-3-Carbonäure. Sm. 142° — IV, 1556.
- $C_{18}H_{14}O_2N$ :  
 1) Diimid d. 2-Methyl-4,6-Diphenyl-1,3,5-Triazin-4,6-Dicarbonäure? (B. 17, 1434; Pissier, Imid, 145). — IV, 1562.
- $C_{18}H_{14}O_2Br$ : 1) Bromretrenchinon. Sm. 210—212° (Z. 1869, 131). — III, 455.
- $C_{18}H_{14}O_2P$ : 1) Phenylester d. Diphenylphosphinsäure. Sm. 135—140°; Si. oberh. 306° u. Zers. (B. 18, 2113). — IV, 1557.
- $C_{18}H_{14}O_2N$ :  
 C 64,9 — H 4,5 — O 9,6 — N 21,6 — M. G. 323.  
 1)  $\alpha$ -Phenoldichroin (B. 7, 247, 666; 17, 1877). — III, 678.  
 2) Disimmmthydroxamsäure. Sm. 152°. Na, K, Pb, Ag (A. 178, 219). — II, 1409.  
 3) 4-Oxy-5-Keto-3-Acetyl-1,2-Diphenyl-2,5-Dihydropyrrol. Zers. bei 259—240° (B. 31, 1307).  
 4) Benzocat d.  $\alpha$ -Oxy- $\alpha$ -[2-Puranyl]- $\beta$ -[2-Pyridyl]äthan (Benzoylalkylfurylalkein). Sm. 47—49°. (HCl, HgCl<sub>2</sub>, (2HCl, PCl<sub>5</sub>) (B. 23, 1095). — IV, 333.  
 5)  $\gamma$ -Cyan- $\alpha$ -Keto- $\alpha$ -Diphenylbutan- $\gamma$ -Carbonsäure. Sm. 178°. Ba + H<sub>2</sub>O (B. [3], 15, 177).  
 6) Benzylbetain d. Chininsäure. Sm. 159° (A. 276, 276). — IV, 362.  
 7) 1,4-Anhydrid d. 6-Methoxy-1-Methyl-2-Phenylchinolinammonium-4-Carbonsäure + H<sub>2</sub>O. Sm. 215° u. Zers. (A. 282, 87). — IV, 447.  
 8) Methylester d. 6-Methoxy-2-Phenylchinolin-4-Carbonsäure. Sm. 111° (A. 282, 106). — IV, 447.  
 9) Aethylester d. 4-Oxy-2-Phenylchinolin-3-Carbonsäure. Sm. 262° (B. 18, 2033; 19, 1462). — IV, 446.  
 10) 3-Oxy-1,2,3,4-Tetrahydro-2-Naphylimid d. Benzol-1,2-Dicarbonäure. Sm. 217—218,5° (A. 288, 132).  
 11) Oxim d. Verbindung  $C_{18}H_{14}O_3$  (aus d. Verbind.  $C_{18}H_{14}O_2$ ).  $\alpha$ -Modif. Sm. 185° u. Zers.;  $\beta$ -Modif. Sm. 179—180° u. Zers. (B. 28, 1209, 1210). — III, 325.  
 12) Verbindung (aus Diphenacylcyanessigsäure) = ( $C_{18}H_{14}O_2N$ ). Sm. 170° u. Zers. (B. [3], 15, 1613).  
 $C_{18}H_{14}O_3N$ :  
 C 67,3 — H 4,7 — O 14,9 — N 13,1 — M. G. 321.  
 1) 4-Nitro-2-Acetylamido-1-[2-Naphthyl]amidobenzol. Sm. 200° u. Zers. (B. 21, 501). — IV, 555.  
 2) Aethyläther d. 1-Oxy-2-Phenylazonaphtalin. Sm. 151—152° (Soe. 65, 841). — IV, 1429.  
 3) Aethylester d. Phenylbenzoylhydrazonycyanessigsäure. Sm. 158° (J. pr. [2], 49, 331). — IV, 1455.  
 $C_{18}H_{14}O_3Br$ : 1) Acetat d.  $\gamma$ -Keto- $\gamma$ -[4-Methylphenyl]- $\alpha$ -(5-Brom-2-Oxyphenyl)-propen. Sm. 153° (B. 31, 714 Ann.).  
 $C_{18}H_{14}O_3Br$ : 1) Tribrompyroguajacin. Sm. 172° (M. 1, 601). — III, 645.  
 $C_{18}H_{14}O_3P$ : 1) Triphenylphosphit. Sm. 220° (A. 218, 96; 239, 311). — II, 659.  
 2) Diphenylester d. Phenylphosphinsäure. Sm. 63,5° (A. 181, 338). — IV, 1651.  
 3) Triphenylester d. Phosphorigen Säure (B. 27, 493).  
 $C_{18}H_{14}O_3As$ : 1) Triphenylester d. Arsenigensäure. Sm. 275° (B. 28, 621).  
 $C_{18}H_{14}O_4N$ : C 69,9 — H 4,8 — O 20,7 — N 4,5 — M. G. 309.  
 1) Phenoloxychroin + H<sub>2</sub>O (B. 17, 1878). — III, 679.  
 2) 2,5-Dimethyl-1-[1-Naphthyl]pyrrol-3,4-Dicarbonäure. Zers. bei 244°. K, Ba, Ag (A. 236, 307). — IV, 92.  
 3) 2,5-Dimethyl-1-[2-Naphthyl]pyrrol-3,4-Dicarbonäure. Zers. oberh. 260°. Ba (B. 18, 304; A. 236, 306). — IV, 92.  
 4)  $\beta$ , $\beta$ '-Imid d.  $\alpha$ , $\beta$ -Diphenylpropan- $\beta$ , $\beta$ ',2'-Tricarbonäure. Sm. 233 bis 236° (B. 27, 2499). — II, 2027.

- C<sub>18</sub>H<sub>15</sub>O<sub>4</sub>N**
- 5) **Benzylimid d. Benzoyläpfelsäure.** Sm. 100° (G. 23 [1] 174). — II, 530.
  - 6) **isom. Benzylimid d. Benzoyläpfelsäure.** Sm. 122° (G. 23 [1] 175). — II, 530.
  - 7) **4-Butyroxylphenylimid d. Benzol-1,2-Dicarbonsäure.** Sm. 156° (C. 1897 [1] 49).
- C<sub>18</sub>H<sub>15</sub>O<sub>4</sub>N<sub>3</sub>**
- C 64,1 — H 4,4 — O 19,0 — N 12,5 — M. G. 337.
  - 1) **Dibensosat d. 2,5-Di[Oximido]tetrahydropyrrol.** Sm. 187—180° (B. 22, 2965). — II, 1210.
- C<sub>18</sub>H<sub>15</sub>O<sub>4</sub>Cl<sub>3</sub>**
- 1) **Diacetat d.  $\beta\beta\beta$ -Trichlor- $\alpha\alpha$ -[4,4'-Dioxydiphenyl]äthan.** Sm. 138° (B. 7, 1202). — II, 995.
- C<sub>18</sub>H<sub>15</sub>O<sub>4</sub>Br**
- 1) **Aethyläther d.  $\alpha$ -Brom- $\alpha$ -Oxy- $\beta\gamma\delta$ -Triketo- $\alpha\delta$ -Diphenylbutan.** Sm. 101—102° (B. 27, 718). — III, 318.
  - 2) **Aethylester d.  $\beta$ -Brom- $\alpha\gamma$ -Diketo- $\alpha\gamma$ -Diphenylpropan- $\beta$ -Carbonsäure (Ac. d. Dibenzoylbromessigsäure).** Sm. 109—110° (A. 282, 160). — II, 1896.
- C<sub>18</sub>H<sub>15</sub>O<sub>4</sub>P**
- 1) **Triphenylester d. Phosphorsäure.** Sm. 48—50° (459); Sd. 245°<sub>11</sub> (A. 92, 317; 224, 159; B. 8, 1523; 15, 640; 18, 1765; 18, 1718; 30, 2372; G. 11, 69; H. 25, 442). — II, 660.
- C<sub>18</sub>H<sub>15</sub>O<sub>6</sub>N**
- C 63,3 — H 4,4 — O 28,2 — N 4,1 — M. G. 341.
  - 1) **1,4-Benzochinonamid?** (Berz. J. 26, 801; A. 210, 178). — III, 330.
  - 2) **Triacetat d. Hydroresorufin.** Sm. 216° (B. 22, 3031). — II, 933.
  - 3) **Verbindung (aus 1,3-Dioxybenzol).** (B. 18, 374). — II, 923.
- C<sub>18</sub>H<sub>15</sub>O<sub>7</sub>Br**
- 1) **Monacetat d.  $\beta$ -Brom-3,4,2',4',6'-Pentaoxydiphenylketon-3,4-Methylenäther- $\rho$ -Dimethyläther (Acetyl bromoprotocetin).** Sm. 175° (B. 24, 2986). — III, 209.
- C<sub>18</sub>H<sub>15</sub>O<sub>7</sub>P**
- 1) **Tri[3-Oxyphenylester] d. Phosphorsäure + H<sub>2</sub>O.** Sm. 75° (Bl. [3] 15, 363).
  - 2) **Tri[4-Oxyphenylester] d. Phosphorsäure.** Sm. 149° (Bl. [3] 15, 361).
- C<sub>18</sub>H<sub>15</sub>N<sub>2</sub>Cl**
- 1) **7-Chloräthylat d.  $\alpha\beta$ -Naphthophenazin.** + FeCl<sub>3</sub>, 2 + PtCl<sub>4</sub> (C. 1898 [2] 920).
- C<sub>18</sub>H<sub>15</sub>N<sub>2</sub>J**
- 1) **Jodäthylat d.  $\alpha\beta$ -Naphthophenazin.** Sm. bei 150° u. Zers. (B. 26, 180). — IV, 1051.
- C<sub>18</sub>H<sub>15</sub>N<sub>2</sub>Cl**
- 1) **5-Chlorphenylat d. 2,8-Diamido-5,10-Naphtdiazin.** 2 + PtCl<sub>4</sub> (Bl. 48, 772; B. 18, 3123; 28, 1581, 1697). — IV, 1282.
- C<sub>18</sub>H<sub>15</sub>ClSi**
- 1) **Siliciumtriphenylchlorid.** Sm. 88—89° (B. 19, 1018). — IV, 1701.
- C<sub>18</sub>H<sub>15</sub>ClSn**
- 1) **Zinntriphenylchlorid.** Sm. 106° (A. 194, 172; B. 12, 509). — IV, 1714.
- C<sub>18</sub>H<sub>15</sub>Cl<sub>2</sub>As**
- 1) **Triphenylarsendichlorid.** Sm. 171°. + HgCl<sub>2</sub> (A. 201, 242). — IV, 1689.
- C<sub>18</sub>H<sub>15</sub>Cl<sub>2</sub>Bi**
- 1) **Wismuthtriphenyldichlorid.** Sm. 141,5° (140°) (B. 20, 56; A. 251, 329). — IV, 1698.
- C<sub>18</sub>H<sub>15</sub>Cl<sub>2</sub>Sb**
- 1) **Antimontriphenyldichlorid.** Sm. 143° (A. 233, 50; B. 31, 2911; G. 24 [1] 318). — IV, 1695.
- C<sub>18</sub>H<sub>15</sub>Br<sub>2</sub>Bi**
- 1) **Wismuthtriphenyldibromid.** Sm. 122° (119°) (B. 20, 56; A. 251, 329). — IV, 1698.
- C<sub>18</sub>H<sub>15</sub>Br<sub>2</sub>Sb**
- 1) **Antimontriphenyldibromid.** Sm. 216° (A. 233, 50). — IV, 1695.
- C<sub>18</sub>H<sub>15</sub>J<sub>2</sub>Sb**
- 1) **Antimontriphenyldijodid.** Sm. 153° (A. 233, 51). — IV, 1695.
- C<sub>18</sub>H<sub>15</sub>SP**
- 1) **Triphenylphosphinsulfid.** Sm. 157,5°; Sd. oberh. 360° u. ger. Zers. (A. 229, 307). — IV, 1660.
- C<sub>18</sub>H<sub>15</sub>SP<sub>3</sub>**
- 1) **Sulfid (aus Phenylphosphin).** Sm. 138° (B. 10, 811). — IV, 1648.
- C<sub>18</sub>H<sub>15</sub>SAS**
- 1) **Triphenylarsinsulfid.** Sm. 162° (A. 201, 244; B. 19, 1032). — IV, 1689.
- C<sub>18</sub>H<sub>15</sub>S<sub>4</sub>P**
- 1) **Triphenylperthiophosphorsäure.** Sm. 86° (J. pr. [2] 10, 234). — II, 661.
- C<sub>18</sub>H<sub>15</sub>PSe**
- 1) **Triphenylphosphinselenid.** Sm. 184—186° (A. 229, 308). — IV, 1660. C 78,3 — H 5,8 — O 5,8 — N 10,1 — M. G. 276.
  - 1) **3,5-Di[Phenylamido]-1-Oxybenzol.** Sm. 94—95°. 2HCl, (2HCl, PtCl<sub>4</sub>) (A. 256, 260; G. 20, 343). — II, 724.
  - 2) **3-Acetylamoido-1-[2-Naphthyl]amidobenzol.** Sm. 135° (B. 26, 979). — IV, 573.
  - 3) **4-Acetylamoido-1-Phenylamidonaphthalin?** Sm. 192° (A. 286, 184). — IV, 922.
  - 4) **s-Benzyl-1-Naphthylharnstoff.** Sm. 203° (B. 24, 3818). — II, 608.
  - 5) **1,4-Naphtochinondimethylamidophenylimid** ( $\alpha$ -Naphtolblau) (B. 16, 2551; 18, 2917; A. 289, 129). — III, 371.
  - 6) **1-Naphthyläther d.  $\beta$ -Phenylhydrazen- $\alpha$ -Oxyäthan** (B. 30, 1703).

- C<sub>18</sub>H<sub>16</sub>ON<sub>2</sub>** 7) **2-Naphyläther d.  $\beta$ -Phenylhydrazon- $\alpha$ -Oxyäthan.** Sm. 145° (B. 30, 1702). — IV, 755.  
 8)  $\alpha$ -Phenyl- $\alpha$ -Benzyl- $\beta$ -[2-Fural]hydrazin. Sm. 138° (G. 27 [2] 239). — IV, 812.  
 9) **Methyläther d. 4-Oxy-1-[2-Methylphenylazo]naphthalin.** Sm. 93° (B. 19, 2480). — IV, 1435.  
 10) **Methyläther d. 4-Oxy-1-[4-Methylphenylazo]naphthalin.** Sm. 103 bis 104° (B. 19, 2488). — IV, 1435.  
 11) **Aethyläther d. 2-Oxy-1-Phenylazonaphthalin** (B. 20, 3177; Soc. 55, 608). — IV, 1428.  
 12) **Aethyläther d. 4-Oxy-1-Phenylazonaphthalin.** Sm. 98—100° (B. 17, 3025; 25, 1013; 27, 2351; Soc. 55, 609). — IV, 1427.  
 13) **6-Oxy-4-Methyl-2-Phenyl-5-Benzyl-1,3-Diazin.** Sm. 243° (B. 22, 1626). — IV, 1041.  
 14) **Methyläther d. 6-Oxy-5-Methyl-2,4-Diphenyl-1,3-Diazin.** Sm. 121° (J. pr. [2] 39, 197). — IV, 1192.  
 15) **2-[3-Acetylamoido-4-Methylphenyl]chinolin.** Sm. 176—177° (M. 9, 104). — IV, 1030.  
 16) **4-Methyl-2-[4-Acetylaminodiphenyl]chinolin.** Sm. 162—163°. — IV, 1030.  
 17) **Aethoxyhydrat d.  $\alpha\beta$ -Naphthophenazin.** Sm. bei 185°. Jodid (B. 26, 181). — IV, 1051.  
 18) **N-Acetyltetrahydro- $\alpha$ -Naphtinolin.** Sm. 240° (B. 27, 2255). — IV, 1032.  
 19)  **$\beta$ -Naphthoiolet.** HCl, (2HCl, PtCl<sub>4</sub>) (B. 12, 2066; Soc. 39, 39). — II, 886.
- C<sub>18</sub>H<sub>16</sub>ON<sub>4</sub>** C 71,0 — H 5,3 — O 5,3 — N 18,4 — M. G. 304.  
 1) **Diazobenzonitrosodiphenylamin.** Sm. 112° u. Zers. (B. 21, 2614). — IV, 797.  
 2) **5-Phenoxyhydrat d. 2,8-Diamido-5,10-Naphtdiazin** (Pheno-safranin). 2Chlorid + PtCl<sub>4</sub>, Nitrat (B. 16, 460, 871; 19, 3123; 21, 1593; 28, 1581, 1697; 30, 1565; Bl. 48, 339, 772). — IV, 1282.
- C<sub>18</sub>H<sub>16</sub>ON<sub>6</sub>** C 65,1 — H 4,8 — O 4,8 — N 25,3 — M. G. 332.  
 1) **Verbindung aus 5-Keto-3-Methyl-1-Phenyl-4,5-Dihydro-1,2,4-Triazol.** Sm. 140—141°. — IV, 1105.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>Si** 1) **Siliciumtriphenyloxyhydrat.** Sm. 139—141° (B. 19, 1019). — IV, 1702.  
**C<sub>18</sub>H<sub>16</sub>OSn** 1) **Zinntriphenyloxyhydrat + 1½H<sub>2</sub>O.** Sm. 117—118° (A. 194, 174). — IV, 1715.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>** C 74,0 — H 5,5 — O 10,9 — N 9,6 — M. G. 292.  
 1) **Methylenäther d.  $\beta$ -Phenylhydrazon- $\alpha$ -(3,4-Dioxophenyl)- $\alpha\gamma$ -Butadien.** Sm. 190—192° (B. 28, 1369). — IV, 764.  
 2) **4-Phenylhydrazon-3,5-Diketo-1-Phenylhexahydrobenzol.** Sm. 172° (A. 294, 308). — IV, 1480.  
 3) **Methyläther d. 4-Oxy-1-[2-Naphyl]nitrosamidomethylbensol.** Sm. 133° (A. 241, 342). — II, 754.  
 4) **4-Aethyläther d. 4-Oxy-1-[4-Oxyphenyl]azonaphthalin.** Sm. 171° (B. 27, 2359). — IV, 1440.  
 5) **1'-Aethyläther d. 4-Oxy-1-[4-Oxyphenyl]azonaphthalin.** Sm. 168° (B. 27, 2360). — IV, 1440.  
 6) **Monoäthyläther d. 1-Phenylazo-2,4-Dioxynaphthalin.** Sm. 172 bis 173° (B. 17, 1812). — IV, 1449.  
 7) **Monoäthyläther d. 1-Phenylazo-2,7-Dioxynaphthalin.** Sm. 137° (B. 28, 524). — IV, 1450.  
 8) **1-Benzoyl-3-Keto-4,5-Dimethyl-2-Phenyl-2,3-Dihydropyrazol.** Sm. 99° (A. 266, 129). — IV, 522.  
 9) **Acetat d.  $\alpha$ -Phenyl- $\beta$ -(4-Oxy-1-Naphyl)hydrazin.** Sm. 157° (B. 24, 2313). — IV, 1506.  
 10) **Acetat d. 5-Methyl-3-Phenyl-1-[4-Oxyphenyl]pyrazol.** Sm. 133° (A. 278, 301). — IV, 937.  
 11) **3-[ $\beta$ -Phenyläthenyl]-4-[ $\alpha$ -Oxy- $\alpha$ -Phenyläthenyl]-1,2,5-Oxiazol.** Sm. 132° (B. 28, 1211). — III, 325.  
 12) **2,5-Diketo-1,4-Di-[2-Methylphenyl]-1,2,4,5-Tetrahydro-1,4-Diazin.** Sm. 231—232° (J. pr. [2] 47, 185). — II, 471.  
 13) **Dimethyläther d. 2,3-Di[4-Oxymethyl]-1,4-Diazin.** Sm. 134° (Soc. 63, 1303). — IV, 1038.

- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>** 14) 2<sup>t</sup>-Aethyläther d. 6-Oxy-2-[4-Oxypheyl]-4-Phenyl-1,3-Diazin. Sm. 274° (B. 23, 2955). — IV, 1040.  
 15) 1-Acetyl-3-[4-Methylphenyl]imido-2-Keto-5-Methyl-2,3-Dihydro-indol. Sm. 121—122° (B. 18, 196). — II, 1652.  
 16) Aethyläther d. 5-Benzoylamido-6-Oxychinolin. Sm. 144° (J. pr. [2] 48, 30). — IV, 911.  
 17) Aethyläther d. 5-Benzoylamido-8-Oxychinolin (Analgen) (J. pr. [2] 48, 25). — IV, 913.  
 18) 7-Dimethylamido-2-Phenylchinolin-4-Carbonsäure. Sm. 275° u. Zers. Zn + 2½ H<sub>2</sub>O, Pb + H<sub>2</sub>O, Cu + H<sub>2</sub>O, Ag (A. 281, 20). — IV, 1036.  
 19) Aethylester d. 1,5-Diphenylpyrazol-3-Carbonsäure. Sm. 90°; Sd. 400° (B. 20, 2185; 25, 3144). — IV, 946.  
 20) Aethylester d. 6-Methyl-2-Phenyl-1,3-Benzodiazin-4-Carbonsäure. Sm. 121° (B. 28, 737). — IV, 1036.  
 21) 4-Methylphenylimid d. 4-Methylphenylimidobernsteinsäure. Sm. 228° (B. 26, 1766). — II, 509.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>4</sub>** C 67,5 — H 5,0 — O 10,0 — N 17,5 — M. G. 320.  
 1) 1,2-Diacetyl-3,6-Diphenyl-1,2-Dihydro-1,2,4,5-Tetrazin. Sm. 228 bis 229° (B. 26, 2133; 27, 1005; A. 297, 250). — II, 1214.  
 2) 1,4-Diacetyl-3,6-Diphenyl-1,4-Dihydro-1,2,4,5-Tetrazin. Sm. 215° (B. 27, 1005; A. 297, 262). — II, 1215.  
 3) 5-Methyl-1-Phenylpyrazol-4-Phenylhydrazone-methylcarbonsäure. Sm. 207—208° (A. 295, 322). — IV, 547.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>Br<sub>2</sub>** 1)  $\beta\gamma$ -Dibrom- $\gamma$ -Phenylpropylester d.  $\beta$ -Phenylakrylsäure. Sm. 151° (A. 189, 344). — II, 1407.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>Br<sub>4</sub>** 1)  $\alpha\beta$ -Di[3,6-Dibrom-4-Oxy-2,5-Dimethylphenyl]äthen. Sm. 234° (B. 28, 2009; 2914, 2921; 29, 1112, 2338; A. 301, 275).  
 2) isom.  $\alpha\beta$ -Di[3,6-Dibrom-4-Oxy-2,5-Dimethylphenyl]äthen? Sm. 217—220° (A. 301, 273).  
 3)  $\alpha\beta$ -Di[2,6-Dibrom-4-Oxy-3,5-Dimethylphenyl]äthen. Sm. 232° (A. 302, 85).  
 4)  $\beta\gamma$ -Dibrom- $\gamma$ -Phenylpropylester d.  $\alpha\beta$ -Dibrom- $\beta$ -Phenylpropionsäure? (A. 189, 348). — II, 1407.  
 5) Verbindung (aus 1,3,6-Tribrom-4-Keto-1,2,5-Trimethyl-1,4-Dihydrobenzol). Sm. bei 230° (B. 28, 2914; 29, 1115, 1116).  
 6) Verbindung (aus d. Acetat d. 4,6-Dibromo-2-Oxy-5-Brommethyl-1,3-Dimethylbenzol). Sm. 254° (A. 302, 93).
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>Br<sub>6</sub>** 1)  $\alpha\beta$ -Dibrom- $\alpha\beta$ -Di[3,6-Dibrom-4-Oxy-2,5-Dimethylphenyl]äthan. Sm. 179° (B. 29, 1117).
- C<sub>15</sub>H<sub>16</sub>O<sub>2</sub>S<sub>2</sub>** 1) Verbindung (aus 1,4-Benzochinon u. 2 Molec. Merkaptobenzol) (J. pr. [2] 53, 482). — III, 344.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>** C 70, — H 5,2 — O 15,6 — N 9,1 — M. G. 308.  
 1) 2-Alloxyanilimidod[4-Methylphenyl]amin.  $\alpha$ -Modif. Sm. 252° u. Zers.;  $\beta$ -Modif. Sm. 242—247° u. Zers. (B. 26, 542). — IV, 616.  
 2)  $\gamma$ -Benzoylphenylhydrazone- $\beta\delta$ -Diketopentan. Sm. 160—161° (B. 25, 3194). — IV, 787.  
 3) Monooxim d. 4-Oxy-5-Keto-3-Acetyl-1,2-Diphenyl-2,5-Dihydro-pyrrol. Sm. 213—215° (B. 31, 1307).  
 4) Benzoat d. 4-Oxy-3-Keto-1,5-Dimethyl-2-Phenyl-2,3-Dihydro-pyrazol. Sm. 139° (A. 293, 53). — IV, 513.  
 5) Anhydro- $\alpha$ -[3-Methylphenyl]amido- $\alpha$ -[3-Methylphenyl]imidoäthan-6<sup>1</sup>,6<sup>2</sup>-Dicarbonsäure. Sm. 213° (B. 30, 1189).  
 6) Aethylester d. 6-Oxy-2-[2-Naphyl]-1,3-Diazin-4-Methylcarbonsäure. Sm. 193° (B. 28, 481). — IV, 1036.  
 7) Imid d.  $\beta$ -Phenylbenzoylamidopropan- $\alpha\beta$ -Dicarbonsäure. Sm. 190° (B. 18, 1042). — II, 440.  
 8) Dioxim (aus d. Verb. C<sub>18</sub>H<sub>16</sub>O<sub>4</sub>). Sm. 157—158° (B. 28, 1208). — III, 324.  
 9) Verbindung (aus Diacetylweinsäureanhydrid u. p-Toluidin) (Soc. 71, 1062).  
 10) Verbindung (aus Oxybenzol u. Harnstoff). Sm. 61° (J. 1886, 548). — II, 631.  
 11) Verbindung (aus d.  $\gamma$ -Phenylhydrazone- $\alpha$ -Phenylbutan- $\alpha^2,\beta$ -Dicarbonsäure- $\beta$ -Aethylester). Sm. 223—225° (A. 236, 194). — IV, 719.

- $C_{18}H_{16}O_3N_4$  C 64.3 — H 4.7 — O 14.3 — N 16.7 — M. G. 336.  
 1) 4-[3-Nitrobenzyliden]amido-3-Keto-1,5-Dimethyl-2-Phenyl-2,3-Dihydropyrazol. Sm. 213° (A. 293, 62). — IV, 1109.  
 2) Acetat d. 3-Oxy-5-[3-Acetylaminodophenyl]-1-Phenyl-1,2,4-Triazol. Sm. 117° (Soc. 71, 212). — IV, 1271.  
 3) Acetat d. 3-Oxy-5-[4-Acetylaminodophenyl]-1-Phenyl-1,2,4-Triazol. Sm. 215° (Soc. 71, 208). — IV, 1271.  
 4) Aethylester d. 4-Phenylhydrazon-5-Keto-1-Phenyl-4,5-Dihydropyrazol-3-Carbonsäure. Sm. 152—154° (B. 24, 4212; 25, 1979). — IV, 729.
- $C_{18}H_{16}O_3Br_2$  1)  $\alpha\beta$ -Dibrom- $\gamma$ -Oxy- $\gamma$ -Diketo- $\alpha$ -Diphenylhexan. Sm. 127° u. Zers. (B. 28, 1211). — III, 325.  
 2) Acetat d.  $\beta\gamma$ -Dibrom- $\alpha$ -Keto- $\alpha$ -(4-Methylphenyl)- $\gamma$ -(2-Oxyphenyl)propan. Sm. 136—137° (B. 29, 239). — III, 234.
- $C_{18}H_{16}O_4N_2$  C 66.7 — H 4.9 — O 19.7 — N 8.6 — M. G. 324.  
 1)  $\alpha\delta$ -Dioximido- $\beta\gamma$ -Diketo- $\alpha\delta$ -Di-(4-Methylphenyl)butan. Sm. 181° u. Zers. +  $C_8H_6O$  (B. 26, 3474). — III, 324.  
 2) Diacetat d.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan (D. d.  $\alpha$ -Benzildioxim). Sm. 147—148° (B. 21, 798). — III, 294.  
 3) Diacetat d. isom.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan (D. d.  $\beta$ -Benzildioxim). Sm. 124—125° (A. 252, 46; B. 21, 799). — III, 294.  
 4) Diacetat d. isom.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan (D. d.  $\gamma$ -Benzildioxim). Sm. 114—115° (B. 22, 714). — III, 294.  
 5) Di-(4-Methylbenzyliden)hydrazin- $\alpha\alpha'$ -Dicarbonsäure. Sm. 280° (C. 1890 [2] 350; Bl. [3] 17, 368).  
 6)  $\alpha$ ,2-Lakton d.  $\beta$ -Phenylhydrazon- $\alpha$ -Oxy- $\alpha$ -Phenyläthan- $\beta$ -Dicarbonsäure- $\beta$ -Aethylester. Sm. 157—158° (A. 246, 344). — IV, 724.  
 7) Aethylester d. Phenylazobenzoylbrenstraubensäure. Sm. 116 bis 117° (B. 21, 1705). — IV, 1475.  
 8) Phenylamid d. Citronensäurephenylimid (Citroanil) (A. 82, 87; 98, 88). — II, 423.  
 9) Diphenyldiamid d. Akonisäure. Sm. 188—189° (Am. 9, 193). — II, 423.  
 10)  $\beta$ -Nitro-2-Isopropyl-4-Methylphenylimid d. Benzol-1,2-Dicarbonsäure. Sm. 167° (A. 221, 169). — II, 1806.
- $C_{18}H_{16}O_4N_4$  C 61.3 — H 4.5 — O 18.2 — N 15.9 — M. G. 352.  
 1) 1,4-Dibenzoyl-3,6-Diamido-2,5-Dioxy-1,4-Dihydro-1,4-Diazin (Dihydrohippuroflavindiamid). Sm. 240° u. Zers. (A. 287, 90).  
 2) 3,6-Diketo-2,5-Diacetyl-1,4-Diphenylhexahydro-1,2,4,5-Tetrazin. Sm. 153° (B. 21, 2330). — IV, 676.  
 3) Diazotrioxilsäure (B. 24, 2591). — IV, 1557.  
 4) Verbindung (aus Diäthylendi[2-Methylphenyl]diamin). Sm. 282° (B. 23, 1982). — II, 459.  
 5) Verbindung (aus Diäthylendi[4-Methylphenyl]diamin). Sm. 166—167° (B. 23, 1984). — II, 457.
- $C_{18}H_{16}O_4N_6$  C 56.8 — H 4.2 — O 16.8 — N 22.1 — M. G. 380.  
 1) Dinitrodiäthenyltetraamidotrimethylbiphenyl. Sm. 242°. 2 HCl, 2 HNO<sub>3</sub> (B. 21, 2407). — IV, 1295.
- $C_{18}H_{16}O_4Cl_2$  1) Di[4-Chloracetylphenyläther] d.  $\alpha\beta$ -Dioxyäthan. Sm. 160—165° (B. 31, 171).
- $C_{18}H_{16}O_4Br_2$  1) 2-Acetyl-4-Methyläther d.  $\alpha\beta$ -Dibrom- $\gamma$ -Keto- $\gamma$ -(2,4-Dioxyphenyl)- $\alpha$ -Phenylpropan. Sm. 130.5—131.5° (B. 32, 312).  
 2) 2-Acetyl-4-Methyläther d.  $\alpha\beta$ -Dibrom- $\gamma$ -Keto- $\gamma$ -(2-Oxyphenyl)- $\alpha$ -(4-Oxyphenyl)propan. Sm. 104—105° (B. 32, 319).  
 3) Diäthylester d.  $\beta$ -Dibrombiphenyl-2,2'-Dicarbonsäure. Sm. 105 bis 106° (B. 19, 3154). — II, 1885.
- $C_{18}H_{16}O_2N_2$  C 63.5 — H 4.7 — O 23.5 — N 8.2 — M. G. 340.  
 1) 1-Benzoyl-4-Benzoylamido-3,5,5-Trioxy-4,5-Dihydropyrrol. Sm. 153.5—158.5°. Ba, Pb, Cu (B. 21, 3325; 22, 1957). — II, 1186.  
 2) Aethylester d. Furfurincarbonsäure. Sm. 124° (J. pr. [2] 27, 319). — III, 722.  
 3) Diacetat d. Anhydro- $\alpha$ -Phenylendiimidoglykopyrogallol. Sm. 143° (B. 27, 1985). — IV, 565.  
 4) 4,4'-Biphenylen diamid d. Citronensäure (Citrobenzidylsäure). Zers. oberh. 300°. Ag (B. 21, 663). — IV, 966.

- C<sub>16</sub>H<sub>16</sub>O<sub>6</sub>N<sub>2</sub>** C 60,7 — H 4,5 — O 26,9 — N 7,9 — M. G. 356.  
 1) **Bis-2-Aldehydophenoxyessigsäurehydrazon.** Sm. 222° u. Zers. (B. 31, 2810).  
 2) **Meso- $\alpha\beta$ -Di[Benzoylamido]bernsteinsäure.** Sm. 213° u. Zers. (B. 26, 1966). — II, 1192.  
 3) **isom.  $\alpha\beta$ -Di[Benzoylamido]bernsteinsäure + H<sub>2</sub>O.** Sm. 182° u. Zers. (B. 26, 1966). — II, 1192.  
 4) **4,4'-Di[Acetylamido]biphenyl-3,3'-Dicarbonsäure.** Sm. bei 300° (B. 31, 2582).  
 5) **Bernsteinsäurediphenylamid-3,3'-Dicarbonsäure (Succindi-3-Amido-benzol-1-Carbonsäure).** Sm. bei 300° u. Zers. Ca + 7H<sub>2</sub>O, Ba + 5H<sub>2</sub>O (J. r. 4, 295, 300; G. 15, 547). — II, 1266.  
 6) **Dinitrodiäthylecarbobenzonsäure.** Sm. 155—156° (A. 184, 170). — II, 1476.  
 7)  **$\alpha\beta$ -Di[Benzoylamido]äthan-2,2'-Dicarbonsäure (Acetylendiphtalimid-säure)** (B. 21, 2670). — II, 1798.  
 8) **Diäthylester d. 1,2-Phtalyldi[cyanessigsäure].** Sm. 158—160° (A. ch. [7] 1, 499). — II, 2018.  
 9) **Diäthylester d. 1,3-Phtalyldi[cyanessigsäure].** Sm. 191—192°. (NH<sub>4</sub>)<sub>2</sub>, Fe<sub>2</sub>, Cu + 2H<sub>2</sub>O, Ag<sub>2</sub> (Bl. [3] 11, 1007). — II, 2019.  
 10) **Diäthylester d. 1,4-Phtalyldi[cyanessigsäure].** Sm. 179° (Bl. [3] 11, 927). — II, 2019.  
 11) **Di[2-Acetoxyphenylamid] d. Oxalsäure.** Sm. 201° (B. 29, 2644).  
 12) **Di[4-Acetoxyphenylamid] d. Oxalsäure.** subl. bei 260° (G. 25 [2] 533).  
 13) **Phenylhydrasonderivat** (aus d. a, $\alpha^2$ -Lakton d.  $\alpha$ -Oxy- $\alpha$ -[2,4,6-Trioxo-phenyl]äthen- $\alpha^3$ , $\beta$ -Dicarbonsäure- $\beta$ -Acetylcer). Sm. 243° (Soc. 71, 1112).  
**C<sub>16</sub>H<sub>16</sub>O<sub>6</sub>N<sub>4</sub>** C 56,3 — H 4,1 — O 25,0 — N 14,6 — M. G. 384.  
 1) **2,5-Diketo-1,4-Di[P-Nitro-2-Methylphenyl]hexahydro-1,4-Diazin.** Sm. 253—254° (B. 23, 1992). — II, 471.  
**C<sub>16</sub>H<sub>16</sub>O<sub>6</sub>Cl<sub>2</sub>** 1) **Diäthylester d. 3,6-Dichlor-1,4-Dimethyl-p- $\beta$ -Benzdifuran-2,5-Dicarbonsäure.** Sm. 175° (J. pr. [2] 45, 72). — III, 735.  
**C<sub>16</sub>H<sub>16</sub>O<sub>6</sub>Br<sub>2</sub>** 1) **Di[P-Brom-4-Acetoxyphenyläther] d.  $\alpha\beta$ -Dioxyäthan.** Sm. 156° (A. 280, 203). — II, 941.  
**C<sub>16</sub>H<sub>16</sub>O<sub>6</sub>N<sub>2</sub>** C 58,1 — H 4,3 — O 30,1 — N 7,5 — M. G. 372.  
 1) **Triacetat d. Tetraoxazobenzol.** Sm. 240—242° (C. 1897 [2] 588). — IV, 1363.  
 2) **Oxybersteinsäurediphenylamid-3,3'-Dicarbonsäure.** Cu (A. 232, 166). — II, 1266.  
 3) **Verbindung** (aus Oxyresazoïn) (M. 8, 428). — II, 932.  
**C<sub>16</sub>H<sub>16</sub>O<sub>7</sub>Si<sub>4</sub>** 1) **TrisilicobenzoylkieselsäureP** (B. 19, 1016). — IV, 1702.  
**C<sub>16</sub>H<sub>16</sub>O<sub>5</sub>N<sub>2</sub>** C 55,7 — H 4,1 — O 33,0 — N 7,2 — M. G. 388.  
 1)  **$\alpha\beta$ -Dioxybersteinsäurediphenylamid-3,3'-Dicarbonsäure.** (CuOH)<sub>2</sub> (A. 232, 159). — II, 1267.  
 2) **Diäthylester d.  $\alpha\beta$ -Di[P-Nitrophenyl]äthan-2,2'-Dicarbonsäure.** Sm. 60° (A. 230, 70). — II, 1889.  
 3) **Diacetat d.  $\alpha\beta$ -Dioxy- $\alpha$ -Di[4-Nitrophenyl]äthan.** Sm. bei 340° (J. pr. [2] 34, 345). — II, 1101.  
 4) **Schwarzer Farbstoff** (aus Haaren) (J. 1876, 936; J. Th. 1886, 333). — III, 669.  
**C<sub>16</sub>H<sub>16</sub>O<sub>5</sub>N<sub>4</sub>** C 51,9 — H 3,8 — O 30,8 — N 13,5 — M. G. 416.  
 1) **Diäthylester d. P-Dinitroazobenzol-3,3'-Dicarbonsäure.** Sm. 104° (J. r. 6, 197). — IV, 1459.  
**C<sub>16</sub>H<sub>16</sub>O<sub>10</sub>N<sub>6</sub>** C 45,4 — H 3,3 — O 33,6 — N 17,6 — M. G. 476.  
 1) **Di[P-Dinitro-4-Methylphenylamid] d. Bernsteinsäure** (A. 209, 380). — II, 502.  
**C<sub>16</sub>H<sub>16</sub>O<sub>10</sub>S<sub>2</sub>** 1)  **$\alpha$ -Truxillsäure- $\alpha$ -Disulfonsäure ( $\gamma$ -Isatropasulfonsäure).** Ba<sub>2</sub> + 4H<sub>2</sub>O (B. 22, 128). — II, 1902.  
 2)  **$\alpha$ -Truxillsäure- $\beta$ -Disulfonsäure.** Ba + 4H<sub>2</sub>O (B. 22, 128). — II, 1902.  
 3)  **$\beta$ -Truxillsäure- $\beta$ -Disulfonsäure.** Ba<sub>2</sub> + 4H<sub>2</sub>O (B. 22, 129). — II, 1903.  
**C<sub>16</sub>H<sub>16</sub>NBr** 1) **2-Brommethyl-1-[1-Naphthylamido]methylbenzol.** Sm. 240—242° (B. 31, 423).  
**C<sub>16</sub>H<sub>16</sub>NJ** 1) **Jodmethylat d. 2,6-Diphenylpyridin.** Sm. 203° (B. 20, 2765; 28, 1732). — IV, 455.

- $C_{15}H_{16}N_2Cl_2$  1) 2,4-Dichlor-1,3-Di[4-Methylphenylimido]tetrahydrotetren. Sm. 133° (A. 279, 64).
- $C_{15}H_{16}N_2S$  1)  $\alpha$ -Methyl- $\alpha$ -Phenyl- $\beta$ -[2-Naphthyl]thioharnstoff. Sm. 127° (B. 17, 2091). — II, 619.
- 2)  $\alpha$ -[2-Methylphenyl]-1-Naphthylthioharnstoff. Sm. 165—168° (B. 15, 1416). — II, 609.
- 3)  $\alpha$ -[4-Methylphenyl]-1-Naphthylthioharnstoff. Sm. 168° (B. 15, 1416). — II, 610.
- 4)  $\alpha$ -[2-Methylphenyl]-2-Naphthylthioharnstoff. Sm. 193—194° (B. 15, 1418). — II, 619.
- 5)  $\alpha$ -[4-Methylphenyl]-2-Naphthylthioharnstoff. Sm. 163—164° (B. 15, 1419). — II, 619.
- 6)  $\alpha$ -Benzyl-1-Naphthylthioharnstoff. Sm. 172—173° (Soc. 59, 558). — II, 610.
- 7)  $\alpha$ -Benzyl-2-Naphthylthioharnstoff. Sm. 165—166° (Soc. 59, 559). — II, 619.
- 8) 2-Merkapto-1-Allyl-4,5-Diphenylimidazol. Sm. noch nicht bei 240°. K (A. 284, 28). — III, 224.
- 9) Methyläther d.  $\alpha$ -Phenylamido-[1-Naphthyl]imidomerkaptomethan. Sm. 96° (B. 21, 1870). — II, 609.
- $C_{15}H_{16}N_2S_2$  1) 4-Amido-4'-Phenylamidodiphenyldisulfid. Sm. bei 120°. 2HCl (B. 27, 3322).
- $C_{15}H_{16}N_2Cl$  1) 7-Chloräthylat d. 5-Amido- $\alpha\beta$ -Naphtophenazin. 2 + PtCl<sub>4</sub> (J. r. 30, 549). — IV, 1204.
- 2) 7-Chloräthylat d. 9-Amido- $\alpha\beta$ -Naphtophenazin. 2 + PtCl<sub>4</sub> (C. 1898 [2] 919; B. 29, 2759). — IV, 1201.
- 3) 3-Chloräthylat d. 3-Phenyl- $\beta$ -Naphtisotriazol. Sm. 212° u. Zers. 2 + PtCl<sub>4</sub> (A. 255, 347). — IV, 1171.
- $C_{15}H_{16}N_2J$  1) 3-Jodäthylat d. 3-Phenyl- $\beta$ -Naphtisotriazol. Sm. 192° u. Zers. (A. 255, 346). — IV, 1171.
- $C_{15}H_{16}N_2S$  1) Sulfid d. 3-Merkapto-1-[4-Methylphenyl]-1,2,4-Triazol. Sm. 188° (G. 28 [2] 561).
- 2) Verbindung (aus 2,5-Di[2-Methylphenylamido]-1,3,4-Thiodiazol). Sm. 89° (B. 23, 368). — IV, 1236.
- 3) Verbindung (aus 2,5-Di[4-Methylphenylamido]-1,3,4-Thiodiazol). Sm. 190° (B. 23, 365). — IV, 1236.
- $C_{15}H_{17}ON$  C 82,1 — H 6,5 — O 6,1 — N 5,3 — M. G. 263.
- 1) 6-Phenylamido-4-Keto-2-Phenyl-1,2,3,4-Tetrahydrobenzol. Sm. 240° (A. 294, 305).
- 2) Methyläther d. 2-Oxy-1-[2-Naphthylamido]methylbenzol. Sm. 92°; Sd. 220—225° u. Zers. (A. 247, 352). — II, 742.
- 3) Methyläther d. 4-Oxy-1-[2-Naphthylamido]methylbenzol (A. 241, 341). — II, 754.
- 4)  $\beta$ -Phenylamidoäthyläther d. 2-Oxynaphthalin. Sm. 75° (B. 13, 1955 bis 1956). — II, 877.
- 5) 6-Benzoylamido-2,3-Dimethylinden. Sm. 198° u. Zers. (B. 23, 1855). — II, 1167.
- 6) Retenchinonimid. Sm. 109—111° (A. 229, 121). — III, 458.
- 7) 5-Phenyl-2-[4-Isopropylphenyl]oxazol. Sm. 50°; Sd. oberh. 360°. HCl (B. 29, 2101). — IV, 445.
- 8) Phenyläther d. 1-Oxy-3-Propylisochinolin. Fl. Pikrat (B. 29, 2397). — IV, 338.
- 9) Phenyläther d. 1-Oxy-3-Isopropylisochinolin. Fl. (B. 30, 894). — IV, 339.
- $C_{15}H_{17}ON_3$  C 74,2 — H 5,8 — O 5,5 — N 14,4 — M. G. 291.
- 1)  $\beta$ -Nitro-1-Aethylamido-2-Phenylamidonaphthalin. Sm. 145—146° (B. 28, 190). — IV, 918.
- 2)  $\beta$ -[2-Naphthyl]amido- $\alpha$ -[2-Methylphenyl]harnstoff. Sm. 215°. — IV, 928.
- 3)  $\beta$ -[2-Naphthyl]amido- $\alpha$ -[4-Methylphenyl]harnstoff. Sm. 187°. — IV, 928.
- 4) 1-[4-Dimethylamido-2-Oxyphenyl]azonaphthalin. Sm. 176° (B. 31, 2777). — IV, 1144.

- $C_{15}H_{17}ON_3$  5) **2-[4-Dimethylamido-2-Oxyphenyl]azonaphthalin.** Sm. 196° (B. 31, 277S). — IV, 1414.  
 6) **4-Benzylidenamido-3-Keto-1,5-Dimethyl-2-Phenyl-2,3-Dihydro-pyrazol.** Sm. 173° (A. 293, 61). — IV, 1109.  
 7) **1-Acetyl-2,5-Di[4-Methylphenyl]-1,3,4-Triazol.** Sm. 129—130° (B. 27, 32S5; A. 298, 13). — IV, 1188.  
 8) **Aethyläther d. 3-Oxy-1-Phenyl-5- $\beta$ -Phenyläthenyl]-1,2,4-Triazol.** Sm. 89—90° (Soc. 71, 216). — IV, 1167.  
 9) **Dimethylidiamidonaphthonoxazin (A. 289, 115).**  
 $C$  67,7 — H 5,3 — O 5,0 — N 21,9 — M. G. 319.  
 1) **2-[2-Amido-1-Naphthyl]azo-4-Methylnitrosamido-1-Methylbenzol.** Sm. 179° (B. 31, 2929). — IV, 1400.
- $C_{15}H_{17}OCl$  1) **Isobutyloxanthranolchlorid.** Sm. 78° (A. 212, 87; B. 14, 463). — III, 244.
- $C_{15}H_{17}O_2N$  1)  $\beta$ -Oximido- $\alpha$ -Oxy- $\alpha\alpha\beta$ -Triphenyläthan. Sm. 153,5° (Bl. [3] 13, 859).  
 2)  $\beta$ -Phenylamido- $\delta$ -Keto- $\gamma$ -Benzoyl- $\beta$ -Penten. Sm. 87—89° (A. 291, 98). — III, 316.  
 3) **2-Diäthylamido-9,10-Anthrachinon.** Sm. 162° (Bl. [3] 19, 831).  
 4) **Retenochinonoxim.** Sm. 128,5° (A. 229, 122). — III, 458.  
 5) **Dimethyläther d. 2,5-Di[4-Oxyphenyl]pyrrol.** Sm. 223° (R. 10, 217). — IV, 438.  
 6) **3-Isobutyl- $\beta$ -Naphtochinolin-1-Carbonsäure.** Sm. 251° (B. 27, 2022). — IV, 423.  
 7) **Aethylester d. 3-Benzylindol-2-Carbonsäure.** Sm. 144—146° (B. 31, 555).  
 8) **2-Isopropyl-4-Methylphenylimid d. Benzol-1,2-Dicarbonsäure.** Sm. 145° (A. 221, 169). — II, 1806.  
 $C_{15}H_{17}O_2N_3$  1)  $\epsilon$ -Phenylhydrazon- $\alpha$ -[4-Nitrophenyl]- $\alpha\gamma$ -Hexadien. Sm. 209—210° (A. 253, 355). — IV, 775.  
 2) **4-[2-Oxybenzyliden]amido-3-Keto-1,5-Dimethyl-2-Phenyl-2,3-Dihydropyrazol.** Sm. 194° (A. 293, 62). — IV, 1109.  
 3) **1,4-Diacetyl-3,5-Diphenyl-4,5-Dihydro-1,2,4-Triazol.** Sm. 93° (95°) (B. 30, 1877; A. 297, 268). — II, 1215; IV, 1184.  
 4) **5-[4-Methylbenzoyl]-2-[2,4-Dimethylphenyl]-1,2,3,6-Oxtriazin (R. 16, 325).**  
 5) **Anhydro- $\alpha$ -[3-Methylphenyl]amido- $\alpha$ -[3-Methylphenyl]imidoäthan-6 $\cdot$ 6'-Dicarbonsäure-6 $\cdot$ 6'-Amid.** Sm. 275° (B. 30, 1190).  
 6) **Nitril d. Imidodi-2-Methoxyphenylessigsäure** ( $\alpha$ -Methoxyphenylimidoacetonitril). Sm. 123° (B. 15, 2025). — II, 1750.  
 7)  **$\gamma$ -Phenylallylidenehydrasid d. Benzoylamidoessigsäure (Hippurylcinnamaldehydrasid).** Sm. 201,5° (J. pr. [2] 52, 247). — III, 62.  
 8) **Verbindung** (aus 2-Acetylbenzol-1-Carbonsäure). Sm. 204—210° (B. 18, 1258 Anm.). — II, 1646.
- $C_{15}H_{17}O_2P$  1) **Triphenyloxyphosphoniumhydroxyd.** Sm. 153,5°. Nitrat (B. 15, 803; 18, 2120; 27, 274; A. 229, 306). — IV, 1659.
- $C_{15}H_{17}O_2As$  1) **Triphenyloxyarsoniumoxohydrat.** Sm. 108°. Nitrat (B. 19, 1032; A. 201, 243). — IV, 1659.
- $C_{15}H_{17}O_2Bi$  1) **Wismuthtriphenyldioxyhydrat.** Chlorid, Bromid, Nitrat (B. 20, 56; A. 251, 329). — IV, 1693.
- $C_{15}H_{17}O_2Sb$  1) **Antimontriphenyldioxyhydrat.** Sm. 212°. Chlorid, Bromid, Jodid, Nitrat (A. 233, 51; B. 31, 2911; G. 24 [1] 318). — IV, 1695.
- $C_{15}H_{17}O_2N$  1) **Difuraltopinon.** Sm. 138°. HCl (B. 30, 2715).  
 2) **Aethylester d.  $\alpha$ -Benzoylamido- $\gamma$ -Phenylakrylsäure.** Sm. 149° (A. 275, 11). — II, 1420.  
 3)  $\beta$ -[2,4-Dimethylphenoxy]äthylimid d. Benzol-1,2-Dicarbonsäure. Sm. 113—114° (B. 29, 2400).
- $C_{15}H_{17}O_2N_2$  1) **Verbindung** (aus Natriumbenzoylessigsäurealdehyd). Sm. 197—198° (B. 24, 137). — III, 95.
- $C_{15}H_{17}O_2N_3$  1)  **$\beta$ -Tri[Acetylamido]-5,10-Naphthiazin (B. 22, 858).** — IV, 1326.

- C<sub>15</sub>H<sub>11</sub>O<sub>4</sub>N** C 69,4 — H 5,5 — O 20,6 — N 4,5 — M. G. 311.  
 1) Benzoylhydрастинин. Sm. 98—99° (A. 271, 387). — III, 106.  
 2)  $\alpha$ -Benzylidenamido- $\beta$ -Acetoxy- $\beta$ -Phenylpropionsäure. Sm. 160 bis 170° u. Zers. Na (A. 284, 43). — II, 1576.  
 3) 1,2-Lakton d. 3,4-Dioxy-1-[1,2,3,4-Tetrahydro-1-Chinolyl]oxy-methylbenzol-3' oder 4'-Methyläther-2-Carbonsäure (Methylnorcpian-säuretetrahydrochinolid). Sm. 231°. Na (B. 29, 2035; 30, 693). — IV, 195.  
 4) Acethylester d.  $\gamma$ -Phenylamidoformoxyl- $\alpha$ -Phenylakrylsäure. Sm. 116° (A. 291, 200).
- C<sub>15</sub>H<sub>17</sub>O<sub>4</sub>Br** 1) Diläthylester d.  $\rho$ -Brom biphenyl-2,2'-Dicarbonsäure. Sm. 65° (B. 19, 3151). — II, 1885.
- C<sub>15</sub>H<sub>17</sub>O<sub>5</sub>N** C 66,0 — H 5,2 — O 24,5 — N 4,3 — M. G. 327.  
 1) Indiretin (J. 1858, 469). — III, 596.  
 2) Mekoninmethylphenylketonoxim.  $\alpha$ -Derivat Sm. 146°;  $\beta$ -Derivat Sm. 198° (M. 13, 670, 672). — II, 2022.  
 3) Benzyloxyhydrastininhypat. Sm. 169—170° (A. 271, 387). — III, 106.  
 4) Diacetat d. Acetyl-4-Oxyphenylamin. Sm. 128,5° (B. 32, 690).  
 5) Diacetat d. 3,4-Dioxy-6-Aethylphenoxyazin. Sm. 110° (B. 31, 497).  
 6) Benzylmonamid d. Benzyläpfelsäure. Sm. 117° (G. 22 [1] 176). — II, 530.
- C<sub>15</sub>H<sub>11</sub>O<sub>6</sub>N** C 62,9 — H 5,0 — O 28,0 — N 4,1 — M. G. 343.  
 1) Corydinsäure +  $\frac{1}{2}$ H<sub>2</sub>O. Sm. 218°. Ag<sub>2</sub> (Soc. 71, 661).  
 2)  $\alpha$ ,2'-Lakton d.  $\alpha$ -Oxy-4'-Methoxy-3'-Dimethylamido-1'-Oxydi-phenylmethan-2', $\alpha$ -Dicarbonsäure. Sm. 180° (A. 296, 360).  
 3) Diacetat d. 1-Diacetylamido-2,7-Dioxynaphthalin. Sm. 135° (B. 30, 1123).
- C<sub>15</sub>H<sub>17</sub>O<sub>7</sub>N** C 60,2 — H 4,7 — O 31,2 — N 3,9 — M. G. 359.  
 1) Triacetat d. 3-Acetylamido-1,2,4-Trioxynaphthalin. Sm. 145° (J. pr. [2] 40, 182). — II, 1027.  
 2) Dimethylester d. 2-[3,4-Dimethoxybenzoyl]pyridin-3,4-Dicarbonsäure (D. d. Papaverinsäure). Sm. 122—124° (M. 14, 521; 17, 492). — IV, 176.  
 3) 3-Aethylester d. 2-[3,4-Dimethoxybenzoyl]pyridin-3,4-Dicarbonsäure ( $\beta$ -Ac. d. Papaverinsäure). Sm. 187—188° (M. 10, 160; 13, 699). — IV, 177.  
 4) 4-Aethylester d. 2-[3,4-Dimethoxybenzoyl]pyridin-3,4-Dicarbonsäure ( $\gamma$ -Ac. d. Papaverinsäure). Sm. 184° (M. 18, 464).
- C<sub>15</sub>H<sub>11</sub>O<sub>7</sub>N<sub>3</sub>** C 55,8 — H 4,4 — O 28,9 — N 10,8 — M. G. 387.  
 1) Monamid d.  $\alpha$ , $\beta$ -Dioxybersteinsäurediphenylamid-3,3'-Dicarbonsäure. Cu + H<sub>2</sub>O (A. 232, 165). — II, 1267.
- C<sub>15</sub>H<sub>17</sub>O<sub>10</sub>N<sub>3</sub>** C 49,7 — H 3,9 — O 36,8 — N 9,6 — M. G. 435.  
 1) Trinitrotruxen. Zers. bei 235° (Soc. 65, 288).
- C<sub>15</sub>H<sub>17</sub>O<sub>10</sub>N<sub>5</sub>** C 46,6 — H 3,7 — O 34,6 — N 15,1 — M. G. 463.  
 1) 2,4-Dinitrophenylamid d. Oxyessig- $\beta$ -Dinitro-4-Isobutylphenyläthersäure. Sm. 176,5° (Am. 19, 74).
- C<sub>15</sub>H<sub>17</sub>N<sub>2</sub>Cl<sub>3</sub>** 1)  $\alpha$ , $\beta$ -Trichlor- $\alpha$ -Di-(4-Methylphenylimido)butan. Sm. 263—265° (A. 279, 63).
- C<sub>15</sub>H<sub>17</sub>N<sub>2</sub>S** 1)  $\alpha$ -Phenyl- $\beta$ -(2,4-Dimethyl-5 oder 7-Chinolyl)thioharnstoff. Sm. 173 bis 174° (A. 274, 372). — IV, 938.  
 2)  $\alpha$ -Phenyl- $\beta$ -(5,8-Dimethyl-6-Chinolyl)thioharnstoff. Sm. 157—159°. (2HCl, PtCl<sub>4</sub>) (B. 23, 1025). — IV, 939.
- C<sub>15</sub>H<sub>17</sub>N<sub>2</sub>Cl** 1) 7-Chloräthylat d. 5,10-Diamido- $\alpha$ , $\beta$ -Naphthophenazin. 2 + PtCl<sub>4</sub> (C. 1898 [2] 920). — IV, 1296.
- C<sub>15</sub>H<sub>15</sub>ON<sub>2</sub>** 1) Aethyläther d. 3-Phenylamido-4-Amido-1-Oxynaphthalin. Sm. 167°. HCl (B. 25, 1013). — II, 866.  
 2) Aethyläther d. 4-Amido-3-Oxy-1-[ $\beta$ -Amidophenyl]naphthalin. Sm. 72°. 2HCl (B. 20, 3178). — II, 903.  
 3) 2-Phenylhydrazen-3-Oxy-1,4-Dimethyl-2,3-Dihydronaphthalin. Sm. 83—84° (G. 26 [1] 26).  
 4) 2-Phenylhydrazen-3-Isopropyl-1,2-Benzpyron. Sm. 112° (B. 24, 3464). — IV, 698.  
 5) 3-[4-Aethylphenyl]imido-2-Keto-5-Aethyl-2,3-Dihydroindol (p-Phenäthyl-p-Aethylimesatin) (B. 17, 2805). — II, 1660.

- C<sub>18</sub>H<sub>18</sub>ON<sub>2</sub>**
- 6) 3-[4-Methylphenylimido-2-Keto-5-Methyl-1-Aethyl-2,3-Dihydro-indol]. Sm. 151—152° (B. 18, 198). — II, 1652.
  - 7) m-Tolylmethoxychimisin. Sm. 143° (B. 19, 2141). — IV, 1503.
  - 8) Base (aus  $\alpha$ -Oximidooethylphenylketon). Fl. (B. 22, 563). — III, 140.
  - 9) Verbindung (aus  $\alpha$ -Amidoethylphenylketonchlorhydrat). Sm. 125—126° (B. 30, 1524).
  - 10) Verbindung (aus d. Verb. C<sub>18</sub>H<sub>18</sub>ON<sub>2</sub>). Sm. 117°. (2HCl, PtCl<sub>4</sub>) (B. 21, 1596). — IV, 1284.
- C<sub>18</sub>H<sub>18</sub>ON<sub>4</sub>**
- 1) 3,5-Di[Phenylhydraziso]-1-Oxybenzol. Sm. 143—144° (B. 22, 2191). — IV, 1506.
  - 2) 4-[4-Methylphenyl]hydrazen-5-Keto-2-Methyl-1-[4-Methylphenyl]-4,5-Dihydropyrazol. Sm. 216—217° (Soc. 59, 340). — IV, 807.
  - 3) Verbindung (aus  $\alpha$ -Diacetylphenylhydrazin). Sm. 192° (Bl. [3] 11, 115; J. pr. [2] 55, 165). — IV, 666.
  - 4) Verbindung (aus Glyoxal u. 2,4-Diamido-1-Methylbenzol) (B. 11, 831). — IV, 607.
- C<sub>18</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>**
- 1) C 73,5 — H 6,1 — O 10,9 — N 9,5 — M. G. 294.
  - 2)  $\alpha\beta$ -Di[4-Acetylaminodophenyl]äthen. Sm. 312° u. Zers. (B. 16, 945; 19, 3237). — IV, 994.
  - 3)  $\alpha$ -Acetylmino- $\alpha$ -Acetylphenylamido- $\alpha$ -[4-Methylphenyl]methan. Sm. 121—122° (J. pr. [2] 54, 129). — IV, 851.
  - 4) Dehydroacetylisisomethylpäonolphenylhydrazon. Sm. 150° (B. 25, 1299). — IV, 772.
  - 5) 2,5-Diketo-1,4-Dibenzylhexahydro-1,4-Diazin. Sm. 170° (Soc. 65, 190). — II, 525.
  - 6) 2,3-Diketo-1,4-Di[2-Methylphenyl]hexahydro-1,4-Diazin. Sm. 183,5 bis 184° (B. 22, 1805). — II, 467.
  - 7) 2,5-Diketo-1,4-Di[2-Methylphenyl]hexahydro-1,4-Diazin. Sm. 159 bis 160°. (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O) (J. pr. [2] 38, 299; B. 22, 1787; 23, 1992). — II, 470.
  - 8) 2,3-Diketo-1,4-Di[4-Methylphenyl]hexahydro-1,4-Diazin. Sm. 263° (B. 23, 2036). — II, 501.
  - 9) 2,5-Diketo-1,4-Di[4-Methylphenyl]hexahydro-1,4-Diazin. Sm. 252 bis 253° (B. 21, 1260; 22, 1806; 25, 2287; J. pr. [2] 40, 433). — II, 506.
  - 10) 2,6-Diketo-1,4-Di[4-Methylphenyl]hexahydro-1,4-Diazin. Sm. 185° (B. 25, 2287). — II, 506.
  - 11) 2,5-Diketo-1-[2-Methylphenyl]-4-[4-Methylphenyl]hexahydro-1,4-Diazin. Sm. 179—180° (J. pr. [2] 40, 443). — II, 506.
  - 12) 3,6-Diketo-2,5-Dimethyl-1,4-Diphenylhexahydro-1,4-Diazin. Sm. 183,5° (B. 22, 1793; 23, 2012, 2016; 25, 2300). — II, 432.
  - 13) isom. 3,6-Diketo-2,5-Dimethyl-1,4-Diphenylhexahydro-1,4-Diazin. Sm. 144—146° (B. 22, 1794; 23, 2013, 2017; 25, 2299). — II, 432.
  - 14) isom. 3,6-Diketo-2,5-Dimethyl-1,4-Diphenylhexahydro-1,4-Diazin. Sm. 172—173° (B. 23, 2019; 25, 2301). — II, 433.
  - 15) 1,4-Dibenzoylhexahydro-1,4-Diazin. Sm. 191° (B. 23, 3301; 26, 725). — II, 1169.
  - 16) Dimethyläther d. 5,6-Di-4-Oxyphenyl]-2,3-Dihydro-1,4-Diazin. Sm. 126—127° (Soc. 63, 1301). — III, 295.
  - 17) 5-Methyl-1-[4-Methylphenyl]benzimidazol-2-[ $\alpha$ Eethyl- $\beta$ -Carbonsäure]. Sm. 225° (B. 27, 2781). — IV, 616.
  - 18) Phenylamid d.  $\beta$ -Methylbenzoylamidoerotonsäure. Sm. 175° u. Zers. (B. 25, 1874). — II, 1192.
  - 19) 4-Methylphenylamid d. Fumarsäure. Sm. oberh. 330° (B. 23, 2045; 24, 2004; A. 279, 134). — II, 502.
  - 20) 4-Methylphenylamid d. Maleinsäure. Sm. 142° (G. 23 [1] 170; A. 279, 134).
  - 21) Methylphenylaminfumarid. Sm. 187,5° (G. 16, 14). — II, 416.
  - 22)  $\beta$ -m-Dimethylphenylamidoäthylimid d. Benzol-1,2-Dicarbonsäure. Sm. 123° (B. 24, 2197). — II, 1800.
  - 23)  $\gamma$ -[4-Methylphenyl]amidopropylimid d. Benzol-1,2-Dicarbonsäure. Sm. 134—136°. HCl (B. 30, 2498).

- $C_{15}H_{15}O_2N_4$  C 67,1 — H 5,6 — O 9,9 — N 17,4 — M. G. 322.  
 1) 3,5-Dioximido-4-Phenylhydrazon-1-Phenylhexahydrobenzol. Sm. 228° u. Zers. (A. 294, 309). — IV, 1450.  
 2) Diacetylbenzylhydrazin. Sm. 98° (B. 27, 997). — II, 1214.  
 3) p-Xylylendimethoxyppyrimidin. Sm. oberh. 250° (B. 21, 2661). — IV, 1295.  
 4) Di[Benzylidenhydrazid] d. Aethan- $\alpha\beta$ -Dicarbonsäure (J. pr. [2] 51, 191). — III, 40.
- $C_{15}H_{15}O_2Br_2$  1) Diäthyläther d.  $\alpha\beta$ -Dibrom- $\alpha\beta$ -Di[4-Oxyphenyl]äthen. Sm. 210° (A. 279, 342). — II, 998.
- $C_{15}H_{15}O_2Cl_4$  1) Diäthyläther d.  $\alpha\alpha\beta\beta$ -Tetrachlor- $\alpha\beta$ -Di[4-Oxyphenyl]äthan. Sm. 172° (A. 279, 342). — II, 993.
- $C_{15}H_{15}O_2Br_4$  1) Dimethyläther d.  $\alpha\beta\delta$ -Tetra-Brom- $\alpha\delta$ -Di[4-Oxyphenyl]butan (A. 255, 309). — II, 1001.
- $C_{15}H_{15}O_3N_2$  C 69,7 — H 5,8 — O 15,5 — N 9,0 — M. G. 310.  
 1) 4-Acetylamido-4'-[Diacylamido]biphenyl. Sm. 215—216° (B. 31, 603). — IV, 964.  
 2)  $\alpha$ -Benzoylamido- $\beta$ -Acetylbenzoylamidoäthan. Sm. 113—114° (B. 28, 3068).  
 3) Dihydroindendioxynitrosamin (B. 26, 1542). — II, 170.  
 4) Methylfurfuran. (2HCl, PtCl<sub>4</sub>, Diazoat (A. 258, 123). — III, 726.  
 5) Hydromethylfurfuramid. Sm. 86—87° (A. 258, 123; Am. 15, 163). — III, 726.  
 6) 5-Benzoot d. 5-Oxy-3-Methyl-1-Phenylpyrazol-2-Methyloxydhydrat. Chlorid, Jodid, Pikrat (A. 293, 42). — IV, 513.  
 7) 1-Nitroso-2,6-Diphenylhexahydropyridin-4-Carbonsäure. Sm. 159° (B. 20, 2763). — IV, 403.  
 8) Aethylester d. 2-Phenylureidozimmtsäure. Sm. 112° (B. 28, 3228).  
 9) Aethylester d. 3-Phenylureidozimmtsäure. Sm. 198° (B. 28, 3230).  
 10) Aethylester d. 4-Phenylureidozimmtsäure. Sm. 204° (B. 28, 3231).  
 11) Aethylester d.  $\alpha$ -[4-Benzoylphenyl]hydrazonepropionsäure. Sm. 145° u. Zers. (Soc. 55, 616). — III, 187.  
 12) Phenylmonamid d.  $\beta$ -Phenylamidoäthen- $\alpha\alpha$ -Dicarbonsäuremonoäthylester. Sm. 118° (B. 27, 2745; A. 285, 123, 127, 128, 145, 147).  
 $C_{15}H_{15}O_3Br_2$  1) 5-Benzoot-2-Aethyläther d. 3,6-Dibrom-5-Oxy-2-Oxymethyl-1,4-Dimethylbenzol. Sm. 109—110° (B. 28, 2905).
- $C_{15}H_{15}O_3Br_4$  1) Di[3,6-Dibrom-4-Oxy-2,5-Dimethylbenzyl]äther. Sm. 252° (B. 28, 2917).
- $C_{15}H_{15}O_4N_2$  C 66,3 — H 5,5 — O 19,6 — N 8,6 — M. G. 326.  
 1) Anilinfurobenzamat (A. 239, 361). — III, 724.  
 2) Tetramethylidiacetylpyrokoll. Sm. 206—208° (G. 24 [1] 551). — IV, 102.  
 3) Oxim d. Benzoylhydrazin. Sm. 146° (A. 271, 387). — III, 106.  
 4)  $\alpha$ -Diamido- $\alpha$ -Truxillsäure. 2HCl (B. 24, 2591). — II, 1902.  
 5)  $\beta$ -Diamido- $\alpha$ -Truxillsäure. 2HCl (B. 24, 2591). — II, 1902.  
 6) Säure (aus Azobenzol-3,3'-Dicarbonsäure). Ba, Ag<sub>2</sub> (J. r. 6, 251; 16, 412). — IV, 1459.  
 7) Aethylester d.  $\beta\beta$ -Dibenzoylehydrazidoessigsäure. Sm. 113° (B. 31, 166).  
 8) Diäthylester d. Azobenzol-2,2'-Dicarbonsäure. Sm. 138—139° (J. pr. [2] 17, 216). — IV, 1458.  
 9) Diäthylester d. Azobenzol-3,3'-Dicarbonsäure. Sm. 97° (90—92°) (B. 8, 252; J. r. 6, 251). — IV, 1458.  
 10) Diäthylester d. Azobenzol-4,4'-Dicarbonsäure. Sm. 88° (114,5°) (A. 132, 148; B. 8, 252; J. r. 23, 93). — IV, 1459.  
 11) Diphenylester d. Hexahydro-1,4-Diazin-1,4-Dicarbonsäure (Phenol-piperazindiethan). Sm. 177—178° (Bl. [3] 19, 186).  
 12) Dibenzoat d. 2,5-Dioxyhexahydro-1,4-Diazin. Sm. 230—250° u. Zers. (B. 27, 171).  
 13) polym. Phenylamid d. Brenztraubensäure. Sm. 209° (A. 279, 78).  
 14) Verbindung (aus Azobenzol-3,3'-Dicarbonsäure). Sm. 74—76° (J. r. 6, 251; 16, 412). — IV, 1459.
- $C_{15}H_{15}O_4N_4$  C 61,0 — H 5,1 — O 18,1 — N 15,8 — M. G. 354.  
 1) s-Di[Benzoylamidoacetyl]hydrazin. Sm. 268—269° (J. pr. [2] 52, 251).

- C<sub>18</sub>H<sub>18</sub>O<sub>4</sub>N<sub>4</sub>** 2) 4,4'-Biphenylen- $\alpha\alpha$ -Dihydrazonpropionsäure. Sm. 197—198° u. Zers. (A. 239, 211). — IV, 1276.  
 3) 2,4-Laktol d. 2-Oxy-1,2-Di[4-Aethoxyphenyl]-2,2-Dihydro-1,2,3,5-Tetrazol-4-Carbonsäure + 2H<sub>2</sub>O. Sm. 113° (B. 28, 1694). — IV, 1241.  
 4) Diacetat d.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Di[Phenylamido]äthan. Sm. oberh. 200° u. Zers. (B. 26, 1406). — II, 410.  
 5) Dibensoat d.  $\alpha\delta$ -Diamido- $\alpha\delta$ -Dioximidobutan. Sm. 192° (B. 22, 2960). — II, 1210.  
 6) Di[ $\gamma$ -Formyl- $\alpha$ -Phenylhydrazid] d. Bernsteinsäure. Sm. 246—247° (B. 26, 2496). — IV, 704.  
 7) Di[4-Oxybenzylidenhydrazid] d. Äthan- $\alpha\beta$ -Dicarbonsäure. Sm. 216° (J. pr. [2] 51, 192). — III, 86.  
 8) Di[Benzylidenhydrazid] d.  $\alpha\beta$ -Dioxyäthan- $\alpha\beta$ -Dicarbonsäure. Sm. 225° (B. 26, 2058). — III, 41.
- C<sub>18</sub>H<sub>18</sub>O<sub>4</sub>N<sub>6</sub>** C 56,6 — H 4,7 — O 16,7 — N 22,0 — M. G. 382.  
 1) Verbindung aus Eetyl. Sm. 110—111° (B. 24, 1304). — I, 710.
- C<sub>18</sub>H<sub>18</sub>O<sub>4</sub>Br<sub>4</sub>** Tetrabromgeraniolmonoester d. Benzol-1,2-Dicarbonsäure. Sm. 114—115° (B. [3] 19, 638).
- C<sub>18</sub>H<sub>18</sub>O<sub>4</sub>S** 1) Diacetat d. Di[P-Oxy-P-Methylphenyl]sulfid. Sm. 83—84° (G. 19, 347). — II, 967.
- C<sub>18</sub>H<sub>18</sub>O<sub>4</sub>S<sub>2</sub>** 1) Diäthylester d. Diphenyldisulfid-2,2'-Dicarbonsäure. Sm. 119 bis 120° (B. 31, 1670).
- C<sub>18</sub>H<sub>18</sub>O<sub>5</sub>N<sub>2</sub>** C 63,1 — H 5,3 — O 23,4 — N 8,2 — M. G. 342.  
 1) Diäthylester d. Azoxybenzol-3,3'-Dicarbonsäure. Sm. 76—78° (J. pr. 23, 93). — IV, 1344.  
 2) Di[Phenylamid] d. Monacetylweinsäure. Sm. 148° (Soc. 71, 1060).  
 3) Phenylamid d. Isosuckersäure. Sm. 231° (B. 19, 1265; 27, 124). — II, 424.  
 4) Diphenyldiamid d. Citronensäure ( $\alpha$ -Citrodiacilsäure). Sm. 183° (153°). Ia, Ag, Anilinsalz (A. 82, 89; 98, 89; Soc. 61, 1006). — II, 423.  
 5) isom. Diphenyldiamid d. Citronensäure ( $\beta$ -Citrodiacilsäure). Sm. 184° (B. 22, 985, 986; Soc. 61, 1006; 63, 699). — II, 423.
- C<sub>18</sub>H<sub>18</sub>O<sub>5</sub>S<sub>2</sub>** 1) Diphenyldimerkaptoalkyltsäure. Fl. Ag (B. 18, 266). — II, 788.
- C<sub>18</sub>H<sub>18</sub>O<sub>6</sub>N<sub>2</sub>** C 60,3 — H 5,0 — O 26,8 — N 7,8 — M. G. 358.  
 1)  $\alpha\beta$ -Di[4-Nitro-2-Aethylbenzoyl]hydrazin. Sm. 245—245,5° u. Zers. (B. 29, 2540).  
 2) Dibensoat d.  $\gamma$ -Methylnitramido- $\alpha\beta$ -Dioxybutan. Sm. 102° (R. 15, 204).  
 3) Aethylester d.  $\beta\beta$ -Di[2-Nitrophenyl]isobuttersäure. Sm. 62° (B. 27, 2250). — II, 1471.  
 4) Diäthylester d. 1,4-Naphtylendioxaminsäure. Sm. 203° (B. 30, 773). — IV, 922.  
 5) Diäthylester d. 1,5-Naphtylendioxaminsäure. Sm. 206—208° (B. 30, 774). — IV, 924.
- C<sub>18</sub>H<sub>18</sub>O<sub>6</sub>N<sub>4</sub>** C 55,9 — H 4,7 — O 24,9 — N 14,5 — M. G. 386.  
 1)  $\alpha\beta$ -Di[Acetylamido]- $\alpha\beta$ -Di[2-Nitrophenyl]äthan. Sm. 215—216° (J. pr. [2] 48, 197). — II, 368.  
 2) 5,5'-Dinitro-4,4'-Di[Acetylamido]-3,3'-Dimethylbiphenyl. Zers. bei 320° (B. 21, 748). — IV, 981.  
 3)  $\alpha\beta$ -Di[4-Methylphenylnitrosamido]bernsteinsäure. Sm. 125° (B. 26, 1767). — II, 509.  
 4) Methylester d.  $\alpha$ -Phenylhydrazon-3,5-Dinitro-2,4,6-Trimethylphenylsäure. Sm. 197—198° (A. 264, 144). — IV, 698.  
 5) Di[P-Nitro-4-Methylphenylamid] d. Bernsteinsäure. Sm. 217° (A. 209, 381). — II, 502.
- C<sub>18</sub>H<sub>18</sub>O<sub>6</sub>S** 1) Diacetat d. s-Di[P-Oxy-P-Methylphenyl]sulfon. Sm. 132—133° (G. 19, 346). — II, 967.  
 2) Diacetat d. s-Di[P-Oxy-P-Methylphenyl]sulfon. Sm. 206—208° (G. 19, 348). — II, 967.
- C<sub>18</sub>H<sub>18</sub>O<sub>6</sub>S<sub>2</sub>** 1) Retendisulfonsäure + 10H<sub>2</sub>O. Salze meist bekannt (J. 1860, 476; A. 185, 86). — II, 277.
- C<sub>18</sub>H<sub>18</sub>O<sub>6</sub>N<sub>4</sub>** C 51,7 — H 4,3 — O 30,6 — N 13,4 — M. G. 418.  
 1) Dimethyläther d. 6,6'-Dinitro-4,4'-Di[Acetylamido]-3,3'-Dioxybiphenyl. Zers. oberh. 220° (J. pr. [2] 58, 218).

- $C_{11}H_{18}O_5N_4$  2) Tetranitrodimesityl. Sm. 206° (B. 27, 2524).  
     3) isom. Tetranitrodimesityl. Sm. 233° (B. 27, 2525).  
     4) isom. Tetranitrodimesityl. Sm. 160° (B. 27, 2524).
- $C_{11}H_{18}O_5Cl_2$  1) Diäthylester d. 2,5-Dichlor-1,4-Benzochinon-3,6-Di[Acetyllessigsäure]. Sm. 127—128° (J. pr. [2] 45, 71). — II, 2077.  
     2) Diäthylester d. 3,6-Dichlor-1,4-Benzochinondi[Methylfurancarbonäure]. Sm. 171° (J. pr. [2] 45, 75). — II, 2078.
- $C_{11}H_{18}O_5S$  1) Verbindung (aus 1,4-Dioxybenzol u.  $SO_3$ ) (A. 110, 358). — II, 939.
- $C_{11}H_{18}O_5S_3$  1) Retentrisulfonsäure.  $Ba_3 + 18H_2O$ ,  $Pb_3 + 18H_2O$  (A. 185, 93). — II, 277.
- $C_{11}H_{18}N_2Cl_2$  1) 1,2-Xylylendipyridoniumchlorid.  $2 + PtCl_4$ ,  $2 + 2AuCl_3$  (B. 31, 430).
- $C_{11}H_{18}N_2Br_2$  1) 1,2-Xylylendipyridoniumbromid. Sm. 134° (B. 31, 430).
- $C_{11}H_{18}N_2Br_6$  1) Tetrabromid d. 1,2-Xylylendipyridoniumbromid. Sm. 141° (B. 31, 430).
- $C_{11}H_{18}N_2S$  1) 2-Dibenzylamido-4-Methylthiazol. Sm. 50° (G. 24 [1] 65). — IV, 520.  
     2) 2-Benzylimido-4-Methyl-3-Benzyl-2,3-Dihydrothiazol. HCl, HBr (G. 24 [1] 67). — IV, 520.  
     3) 2-Methyläther d. 2-Merkapto-1-Aethyl-4,5-Diphenylimidazol. Sm. 106° (A. 284, 27). — III, 224.
- $C_{11}H_{18}N_2S_2$  1)  $\gamma$ -Phenylhydrazon- $\beta\beta$ -Dithienylbutan. Fl. (B. 30, 2040).
- $C_{11}H_{18}N_2J$  1) Joddimethyl d. 6-Phenylamido-4-Methyl-2-Phenyl-1,3-Diazin +  $2H_2O$ . Sm. 210—213° u. Zers. (Am. 20, 486). — IV, 1167.
- $C_{11}H_{18}N_2P$  1) Triphenylamid d. Phosphorigensäure.  $3HCl$ ,  $(6HCl, 3ZnCl_2)$ ,  $(6HCl, 3PtCl_4)$  (Z. 1865, 648). — II, 356.
- $C_{11}H_{18}N_2As$  1) Tri- $\beta$ -Aminophenylarsin. Sm. 176°.  $3HCl$ ,  $(6HCl, 3PtCl_4)$  (B. 19, 1034). — IV, 1689.
- $C_{11}H_{18}N_4S_4$  1) Sulfid d. 5-Merkapto-2-Methyl-3-Phenyl-2,3-Dihydro-1,3,4-Thiadiazol. Sm. 140° (B. 28, 2641). — IV, 746.
- $C_{11}H_{19}ON$  C 81,5 — H 7,2 — O 6,0 — N 5,3 — M. G. 265.  
     1)  $\beta$ -Benzoyl- $\alpha$ -Methylphenylamido- $\alpha$ -Buten. Sm. 72—73° (A. 281, 398). — III, 166.  
     2) Verbindung (aus p-Tetrolitolyl) (B. 14, 2093). — IV, 1035.  

$C_{11}H_{19}ON_3$  C 73,7 — H 6,5 — O 5,5 — N 14,3 — M. G. 293.  
     1) Aethyläther d. 5-Oxy-3-Phenyl-6,7,8,9-Tetrahydro- $\beta$ -Naphhtisotriazol. Sm. 125—126° (B. 31, 901). — IV, 1576.

$C_{11}H_{19}O_2N$  2) Verbindung (aus Phenosafranin). Sm. 130° (B. 21, 1595). — IV, 1284.  
     C 76,8 — H 6,8 — O 11,4 — N 5,0 — M. G. 281.  
     1) Dihydroindendioxyamin. Sm. 188,5° (B. 26, 1542). — II, 170.  
     2)  $\alpha$ -Phenylamido- $\gamma$ -Oxy- $\beta$ -Acetyl- $\alpha$ -Phenyl- $\beta$ -Buten. Sm. 109° (B. 31, 1393).  
     3) Aethyläther d.  $\alpha$ -Keto- $\gamma$ -Phenylimido- $\alpha$ -(2-Oxyphenyl)butan (Anilid d. o-Aethoxybenzoylacetone). Sm. 110—111° (B. 27, 3037). — III, 271.  
     4)  $\alpha$ -Phenylamido- $\beta$ -Acetyl- $\gamma$ -Keto- $\alpha$ -Phenylbutan. Sm. 83—84° (B. 31, 1392).  
     5)  $\beta$ -Acetylamido-2,4,5-Trimethyl diphenylketon. Sm. 170° (B. 17, 2674). — III, 236.  
     6) N-Benzoylbenzimidodoisobutyläther. Sm. 54,5°; Sd. 228—235°<sub>1b</sub> (Am. 20, 75).  
     7) Acetat d. anti- $\alpha$ -Oximido-4-Propyldiphenylmethan. Sm. 66° (B. 24, 4034). — III, 236.  
     8) Acetat d. syn- $\alpha$ -Oximido-4-Propyldiphenylmethan. Sm. 116° (B. 24, 4034). — III, 236.  
     9) Acetat d. anti- $\alpha$ -Oximido-4-Isopropyldiphenylmethan. Sm. 90° (B. 24, 4036). — III, 236.  
     10) Acetat d. syn- $\alpha$ -Oximido-4-Isopropyldiphenylmethan. Fl. (B. 24, 4036). — III, 236.  
     11) Apocodein. HCl,  $(2HCl, PtCl_4 + 4H_2O)$  (A. 158, 131). — III, 907.  
     12) Pinenphthalimid. Sm. 90—100° (G. 21, 1). — IV, 77.  
     13) 2,6-Diphenylhexahydronpyridin-4-Carbonsäure (B. 20, 2762; 29, 798). — IV, 403.  
     14) Aethylester d.  $\beta$ -Benzylamido- $\beta$ -Phenylakrylsäure. Sm. 68° (B. 30, 3005).  
     15) Phenylamid d.  $\delta$ -Keto- $\beta$ -Phenylpentan- $\alpha$ -Carbonsäure. Sm. 135° (A. 294, 329).

- C<sub>18</sub>H<sub>18</sub>O<sub>2</sub>N** 16) **2-Naphtylimid d.  $\beta\gamma$ -Dimethylbutan- $\beta\gamma$ -Dicarbonsäure.** Sm. 152° (A. 292, 177).
- 17) **Piperidid d.  $\beta$ -Furanyl- $\alpha$ -Phenylakrylsäure** (P. d. Furalphenylessig-  
säure). Sm. 105° (B. 31, 282).
- C<sub>18</sub>H<sub>18</sub>O<sub>2</sub>N<sub>3</sub>** C 70,0 — II 6,1 — O 10,3 — N 13,6 — M. G. 309.
- 1) **Aethyläther d.  $\gamma$ -Phenylallenylphenyluramidoxim.** Sm. 155—156° (B. 22, 2398). — II, 1409.
- 2) **2,7-Di[Acetylamido]-3,6-Dimethylcarbazol.** Sm. oberfl. 300° (B. 24, 1035). — IV, 1175.
- 3) **Verbindung** (aus Phenylcarbonimid u.  $\beta$ -Methylamidocrotonsäureanilid). Sm. 173° (B. 25, 1873). — II, 383.
- C<sub>18</sub>H<sub>18</sub>O<sub>2</sub>Cl** 1) **Diäthyläther d.  $\beta$ -Chlor- $\alpha\alpha$ -Di[4-Oxyphenyl]äthen.** Sm. 67° (A. 279, 342). — II, 998.
- C<sub>18</sub>H<sub>18</sub>O<sub>2</sub>N** C 72,7 — II 6,4 — O 16,2 — N 4,7 — M. G. 297.
- 1) **Berbamin + 2H<sub>2</sub>O.** Sm. 197—210° (156°) wasserfrei. HCl, (2 HCl, PtCl<sub>4</sub> + 5 H<sub>2</sub>O), (HCl, AuCl<sub>3</sub> + 5 H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub> + 4 H<sub>2</sub>O (B. 19, 3193; 28 [2] 614). — III, 803.
- 2) **Curin.** Sm. 212°. + C<sub>8</sub>H<sub>8</sub>O (Sm. 159—163°); + C<sub>6</sub>H<sub>6</sub> (Sm. 161°); (2 HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>) (C. 1895 [2] 1085).
- 3) **Pellutein** (Flavobuxin; Siperin). (HCl, PtCl<sub>4</sub>) (A. 48, 100; 69, 59; J. 1859, 565; 1869, 740). — III, 795.
- 4) **Thebenin.** HCl + 3H<sub>2</sub>O, (2 HCl, HgCl<sub>2</sub> + 2H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub> + H<sub>2</sub>O, Dioxalat + H<sub>2</sub>O (A. 153, 69; B. 27, 2961; 30, 1375; 32, 180). — III, 910.
- 5) **3-Methyläther-4-[ $\beta$ -Oximido- $\beta$ -Phenyläthyläther]** d. **3,4-Dioxy-1-Allylbenzol** (Eugenolacetophenonoxin). Sm. 81—82° (B. 27, 2402). — III, 133.
- 6) **3-Methyläther-4-[ $\beta$ -Oximido- $\beta$ -Phenyläthyläther]** d. **3,4-Dioxy-1-Propenylbenzol** (I-eugenolacetophenonoxim). Sm. 141—142° (B. 27, 2462). — III, 133.
- 7) **Aethyläther d. 4-Methylbenzoyl-4-Methylbenzhydroxamsäure.** Sm. 70,5° (A. 281, 267). — II, 1345.
- 8) **Anthracenisobutylnitrat.** Sm. 121° u. Zers. (Soc. 61, 867). — II, 260.
- 9) **Acetat d.  $\beta$ -Acetylamido- $\alpha$ -Oxy- $\alpha\beta$ -Diphenyläthan.** Sm. 212—213° (159°) (B. 20, 494; 29, 1214). — II, 1050.
- 10) **3-Methylbenzoat d. Aethyl-3-Methylbenzhydroxamsäure.** Fl. (A. 281, 244). — II, 1336.
- 11) **4-Methylbenzoat d.  $\alpha$ -Aethyl-4-Methylbenzhydroxamsäure.** Sm. 78° (A. 281, 244). — II, 1345.
- 12) **4-Methylbenzoat d.  $\beta$ -Aethyl-4-Methylbenzhydroxamsäure.** Sm. 54° (A. 281, 246). — II, 1345.
- 13) **Morphothebaïn** (oder C<sub>17</sub>H<sub>17</sub>O<sub>2</sub>N). Sm. 192—193°. HCl, HBr, HJ (B. 32, 188).
- 14) **2-[Diäthylamidobenzoyl]benzol-1-Carbonsäure.** Sm. 180° (B. 27 [2] 665; B. 31, 830).
- 15) **Aethylester d.  $\beta$ -Oximido- $\alpha\gamma$ -Diphenylpropan- $\alpha$ -Carbonsäure.** Sm. 112—113° (A. 296, 5).
- 16) **Aethylester d. 3-Benzoyl-2,4,6-Trimethylpyridin-5-Carbonsäure.** Fl. HCl, (2 HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> (B. 24, 1668). — IV, 157.
- 17) **Aethylester d. 5-Acetyl-2,6-Dimethyl-4-Phenylpyridin-3-Carbonsäure.** Sm. 85—86° (B. 31, 1028).
- 18) **Monamid d.  $\alpha\beta$ -Diphenylithan-2,2'-Dicarbonsäuremonäthylester.** Sm. 65—68° (A. 239, 68). — II, 1889.
- 19) **Phenylamid d. Oxyessig-2-Methoxy-4-Allylphenyläthersäure.** Sm. 54° (B. 31, 17, 361).
- 20) **4-Methylphenylmonamid d.  $\beta$ -Phenylpropan- $\alpha\gamma$ -Dicarbonsäure.** Sm. 154—155°. Ag (Am. 20, 513).
- C<sub>18</sub>H<sub>18</sub>O<sub>2</sub>N<sub>5</sub>** C 61,2 — II 5,4 — O 13,6 — N 19,8 — M. G. 353.
- 1) **2,4,3'-Tri[Acetylamido]azobenzol.** Sm. 264° (B. 30, 2205). — IV, 1363.
- C<sub>18</sub>H<sub>18</sub>O<sub>2</sub>Br<sub>3</sub>** 1) **Tribromostruthin.** Sm. 133° (A. 183, 341). — III, 639.
- C<sub>18</sub>H<sub>18</sub>O<sub>4</sub>N** C 69,0 — II 6,1 — O 20,4 — N 4,5 — M. G. 313.
- 1) **1-Aethyläther d. 4-Acetylamygdalylamido-1-Oxybenzol.** Sm. 154° (B. 28 [2] 991).
- 2) **4,4'-Diäthyläther d.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Di[4-Oxyphenyl]äthan.** Sm. 136° (A. 279, 343). — III, 296.

- C<sub>18</sub>H<sub>19</sub>O<sub>4</sub>N**
- 3)  $\alpha$ -Dimethylamido- $\alpha\beta$ -Diphenyläthan-4,4'-Dicarbonsäure. Sm. 268 bis 270°. HCl, (2HCl, PtCl<sub>4</sub>), Pikrat (B. 28, 1143). — II, 1889.
  - 4) 2-[4-Diäthylamido-3-Oxybenzoyl]benzol-1-Carbonsäure. Sm. 203° u. Zers. (Bl. [3] 19, 830; C. 1898 [1] 1206).
  - 5) 1,2-Lakton d. 3,4-Dioxy-1-Aethylphenylamidoxyethylbenzol-3,4-Dimethyläther-2-Carbonsäure (Opiansäurethylanilid). Sm. 116 bis 117° (B. 29, 182).
  - 6) Dimethylester d.  $\alpha$ -Phenylamido- $\alpha$ -Phenyläthan- $\beta\beta$ -Dicarbonsäure. Sm. 117–118°. HCl (B. 28, 146). — II, 1850.
  - 7)  $\beta$ -[2,4-Dimethylphenoxy]äthylmonamid d. Benzol-1,2-Dicarbonsäure. Sm. 130–131° (B. 29, 2400).
  - 8) 2-Naphtylmonomamid d. Säure C<sub>6</sub>H<sub>12</sub>O<sub>5</sub> (aus Camphersäure). Sm. 178° (B. 30, 1902).
  - 9) Verbindung (aus Bebeerin). Zers. oberh. 260° (B. 29, 2058). — III, 798.
- C<sub>18</sub>H<sub>19</sub>O<sub>4</sub>N<sub>3</sub>**
- C 63,3 — H 5,6 — O 18,8 — N 12,3 — M. G. 341.
  - 1) 5-Nitro-4,4'-Di[Acetylamido]-3,3'-Dimethylbiphenyl. Sm. 290° (B. 25, 1033). — IV, 981.
  - 2) Diäthylester d. Diazoamidobenzol-3,3'-Dicarbonsäure. Sm. 144° (A. 117, 11). — IV, 1577.
  - 3)  $\alpha$ -Phenylamidoformyl- $\beta$ -Phenylhydrazid d. Malonsäuremonoäthylester. Sm. 158° (B. 24, 1800). — IV, 702.
- C<sub>18</sub>H<sub>19</sub>O<sub>5</sub>N**
- C 65,7 — H 5,8 — O 24,3 — N 4,2 — M. G. 329.
  - 1) 2-Acetyl-5,5'-Dimethyläther d. 2'-Nitroso-2,5,5'-Trioxy-3,3'-Dimethylbiphenyl (B. 31, 1335).
  - 2) Morphinebarsäure (B. 25 [2] 202). — III, 900.
  - 3) Dimethylcolchicinsäure + 4H<sub>2</sub>O. Sm. 141–142°. HCl + H<sub>2</sub>O (M. 9, 17). — III, 875.
  - 4) 3,4-Dimethoxy-1-[4-Aethoxylphenyl]imidomethylbenzol-2-Carbonsäure (Opiansäure-p-Phenetidin). Sm. 175° (C. 1897 [1] 1121).
  - 5) 1-Methylester-2-Benzylamid d. 3,4-Dioxybenzoldimethyläther-1,2-Dicarbonsäure. Sm. 96–97° (R. 15, 340).
  - 6) 2-Methylester-1-Benzylamid d. 3,4-Dioxybenzoldimethyläther-1,2-Dicarbonsäure. Sm. 113° (R. 15, 341).
  - 7) 4-Methoxybenzoat d.  $\alpha$ -Aethyl-4-Methoxybenzhydroxamsäure. Sm. 94° (A. 281, 255). — II, 1535.
  - 8) 4-Methoxybenzoat d.  $\beta$ -Aethyl-4-Methoxybenzhydroxamsäure. Sm. 77° (A. 281, 257). — II, 1535.
- C<sub>18</sub>H<sub>19</sub>O<sub>4</sub>N**
- C 62,6 — H 5,5 — O 27,8 — N 4,1 — M. G. 345.
  - 1) Verbindung (aus Ketacetäurediäthylester u. Anilin). Sm. 137–138° (A. 269, 43). — I, 848.
- C<sub>18</sub>H<sub>19</sub>O<sub>6</sub>Cl**
- 1) Verbindung (aus Chlorhexaoxybiphenyltetraäthyläther). Sm. 159° (B. 31, 618).
- C<sub>18</sub>H<sub>19</sub>O<sub>6</sub>Br**
- 1) Pentamethyläther d.  $\beta$ -Brom-3,4,2',4',6'-Pentaoxydiphenylketon. Sm. 144° (B. 25, 1132). — III, 208.
- C<sub>18</sub>H<sub>19</sub>O<sub>6</sub>P**
- 1) Di[2,4-Dimethylphenyl]phosphinsäure-5,5'-Dicarbonsäure. Sm. 185°. Ag<sub>2</sub> (A. 294, 32). — IV, 1679.
- C<sub>18</sub>H<sub>19</sub>O<sub>6</sub>N<sub>2</sub>**
- 1) Verbindung (aus Gelseminin). Sm. 238° (C. 1896 [1] 111).
- C<sub>18</sub>H<sub>19</sub>NS**
- 1) Aethyläther d. Benzylchinolinammoniumsulhydrat. 2 + PtCl<sub>4</sub> (J. pr. [2] 51, 96). — IV, 252.
- C<sub>18</sub>H<sub>19</sub>N<sub>2</sub>Cl**
- 1) Base (aus Essigsäure-4-Methylphenylamid). Sm. 71–72°. (2HCl, PtCl<sub>4</sub>) (A. 214, 205, siehe auch B. 9, 1214). — II, 491.
- C<sub>18</sub>H<sub>19</sub>N<sub>2</sub>J**
- 1) Jodäthylat d. 4-Methyl-2-[4-Amidophenyl]chinolin (B. 15, 1502). — IV, 1030.
- C<sub>18</sub>H<sub>19</sub>N<sub>5</sub>Si**
- 1) Verbindung (aus Anilin u. Siliciumchloroform) (C. 1896 [1] 803).
- C<sub>18</sub>H<sub>20</sub>ON**
- C 77,1 — H 7,1 — O 5,7 — N 10,0 — M. G. 280.
  - 1) 4-[ $\beta$ -Benzoylisopropyliden]amido-1-Dimethylamidobenzol? Sm. 135 bis 136° (B. 25, 636). — IV, 598.
  - 2)  $\alpha$ -Phenyl- $\beta$ -[1,2,3,4-Tetrahydro-1-Naphylmethyl]harnstoff. Sm. 126,5° (B. 22, 1917). — II, 589.
  - 3)  $\alpha$ -Phenyl- $\beta$ -[1,2,3,4-Tetrahydro-2-Naphylmethyl]harnstoff. Sm. 141° (B. 22, 1913). — II, 590.
  - 4)  $\gamma$ -Phenylhydrazone- $\alpha$ -[2-Oxyphenyl]- $\alpha$ -Hexen. Sm. 119° (B. 29, 376). — IV, 774.

- $C_{18}H_{20}ON_2$  5) Aethyläther d. **8**-Phenylazo-**5**-Oxy-**1,2,3,4**-Tetrahydronaphthalin. Sm. 91,5° (B. 31, 899). — **IV**, 1426.  
 6) **2**-Keto-**4**-Methyl-**1,3**-Di[**2**-Methylphenyl]tetrahydroimidazol. Sm. 93° (B. 25, 3276). — **II**, 464.  
 7) **2**-Keto-**4**-Methyl-**1,3**-Di[**4**-Methylphenyl]tetrahydroimidazol. Sm. 129,9° (B. 25, 3278). — **II**, 495.  
 8) **2**-Keto-**1,4**-Di[**2**-Methylphenyl]hexahydro-**1,4**-Diazin. Sm. 79° (B. 25, 2933). — **II**, 470.  
 9) **2**-Keto-**1,4**-Di[**4**-Methylphenyl]hexahydro-**1,4**-Diazin. Sm. 168,5° (B. 22, 1785). — **II**, 506.  
 10) **3**-Keto-**2**-Aethyl-**1,4**-Diphenylhexahydro-**1,4**-Diazin. Sm. 93—94° (B. 25, 2938). — **II**, 434.  
 11) **3**-Keto-**2,2**-Dimethyl-**1,4**-Diphenylhexahydro-**1,4**-Diazin. Sm. 116° (B. 25, 2939). — **II**, 435.  
 12) Phenyläther d.  $\alpha$ -Phenylimido- $\alpha$ -Oxy- $\alpha$ -[1-Piperidyl]methan (Diphenylpiperidylisocharnstoff). Sm. 86° (B. 28, 983). — **IV**, 13.  
 13) Acetyl derivat (d. Base  $C_{16}H_{18}N_2$  vom Sm. 126°). Sm. 188° (B. 25, 2031; 27, 1303). — **II**, 443.  
 14) Acetyl derivat (d. isom. Base  $C_{18}H_{18}N_2$  vom Sm. 85,5°). Amorph (B. 27, 1303).
- $C_{18}H_{20}OCl_4$  1) Tetrachlorcarotin. Sm. 120° (A. 117, 228). — **III**, 626.  
 $C_{18}H_{20}O_2N_2$  C 73,0 — H 6,7 — O 10,8 — N 9,5 — M. G. 296.  
 1) Dimethyläther d.  $\alpha\beta$ -Di[**2**-Oxybenzylidenamido]äthan. Sm. bei 113° (B. 20, 272). — **III**, 72.  
 2) Dimethyläther d.  $\alpha\beta$ -Di[**4**-Oxybenzylidenamido]äthan. Sm. 110 bis 111° (B. 20, 272). — **III**, 85.  
 3)  $\beta$ -Di[Acetylamido]-**2**-Benzyl-**1**-Methylbenzol. Sm. 220° (B. 26, 1855). — **IV**, 983.  
 4)  $\alpha\beta$ -Di[Acetylamido]- $\alpha$ -Diphenyläthan. Sm. oberh. 350° (B. 22, 2300; 28, 3176). — **IV**, 978.  
 5)  $\alpha\beta$ -Di[Phenylacetylamido]äthan. Sm. 158° (B. 22, 1785). — **II**, 368.  
 6)  $\alpha\beta$ -Di[**2**-Acetylaminodiphenyl]äthan. Sm. 249—250° (A. 305, 99).  
 7) **2**-Acetylamido-**1**-[Acetyl-**4**-Methylphenyl]amidomethylbenzol. Sm. 185—186° (B. 23, 2190). — **IV**, 631.  
 8) **4,4**-Di[Acetylamido]-**2**-**2**-Dimethylbiphenyl. Sm. 281° (274—275°) (B. 22, 839; 28, 2554). — **IV**, 980.  
 9) **4,4**-Di[Acetylamido]-**3,3'**-Dimethylbiphenyl. Sm. 314° (306°) (A. 278, 377; B. 17, 468; 21, 746; 1065). — **IV**, 981.  
 10)  $\alpha\delta$ -Di[Benzoylamido]butan. Sm. 176—177° (H. 13, 574; B. 31, 3184). — **II**, 1170.  
 11) **4**-Methacetylamido-**4**'-Dimethylamidodiphenylketon. Sm. 145° (B. 24, 3199). — **III**, 185.  
 12)  $\alpha\zeta$ -Dioximido- $\alpha\zeta$ -Diphenylhexan. Sm. 216—218° (C. 1896 [2] 1091).  
 13)  $\beta$ -Acetyl- $\alpha$ -[**4**-Isopropylbenzoyl]- $\alpha$ -Phenylhydrazin. Sm. 40—42°. — **IV**, 670.  
 14) Glyoxim-N-**2**,**4**-Dimethylphenyläther. Sm. 198° (B. 31, 560).  
 15) Glyoxim-N-**2**,**6**-Dimethylphenyläther. Sm. 203,5° u. Zers. (B. 31, 560).  
 16) Hydrokorin (M. 2, 83). — **IV**, 270.  
 17)  $\alpha$ -Kresolantipyrrin. Sm. 60—62° (Bl. [3] 15, 609). — **IV**, 510.  
 18) m-Kresolantipyrrin. Fl. (Bl. [3] 15, 610). — **IV**, 510.  
 19) p-Kresolantipyrrin. Fl. (Bl. [3] 15, 610). — **IV**, 510.  
 20) **1**-Phenyl-**4,5**-Camphylpyrazol-**3**-Carbonsäure. Sm. 197° (193 bis 194%). +  $^1_2 C_6H_6$  (Am. 18, 405; 20, 330). — **IV**, 864.  
 21) Aethylester d.  $\beta$ -Diphenylhydrazonebuttersäure. Sm. 120—135° (B. 30, 3008). — **IV**, 690.  
 22) Aethylester d. isom.  $\beta$ -Diphenylhydrazonebuttersäure. Fl. (B. 30, 3008). — **IV**, 690.  
 23) Aethylester d.  $\beta$ -Phenylhydrazone- $\alpha$ -Phenylpropan- $\alpha$ -Carbonsäure. Sm. 104° (B. 31, 3164).  
 24) Aethylidenamid d. Phenylessigsäure. Sm. 227—228° (A. 184, 318). — **II**, 1312.  
 25) Di[Phenylamid] d. Piperazin-**1,4**-Dicarbonsäure (J. pr. [2] 53, 21).  
 26) Diphenylamid d. s-Paradimethylbernsteinsäure. Sm. 235° (B. 23, 644). — **II**, 415.

- $C_{18}H_{20}O_2N_2$  27) Diphenylamid d. *s*-Antidimethylbernsteinsäure. Sm. 222° (B. 23, 644). — II, 415.  
 28) Di[*Methylphenylamid*] d. Bernsteinsäure. Sm. 154,5 — 155° (A. 292, 192).  
 29) Di[*2-Methylphenylamid*] d. Bernsteinsäure. Sm. 100° (B. 12, 323). — II, 468.  
 30) Di[*4-Methylphenylamid*] d. Bernsteinsäure. Sm. 256° (B. 12, 323; A. 126, 165; 209, 380). — II, 502.  
 31) Dibenzylamid d. Bernsteinsäure. Sm. 205 — 206° (Soc. 55, 631). — II, 530.  
 32) Di[*o-Phenyläthylamid*] d. Oxalsäure. Sm. 185° (B. 27, 2308).  
 33) Di[*β-Phenyläthylamid*] d. Oxalsäure. Sm. 186° (180°) (B. 19, 1826; J. pr. [2] 50, 558). — II, 540.  
 34) Di[*2,4-Dimethylphenylamid*] d. Oxalsäure. Sm. 210° (204°) (B. 3, 227; M. 9, 746). — II, 544.  
 35) Di[*2,5-Dimethylphenylamid*] d. Oxalsäure. subl. bei 125° (B. 11, 1538). — II, 547.  
 36) 1-Methylamid d. 2-[*2,4,5-Trimethylphenyl*]amid d. Benzol-1,2-Dicarbonsäure. Sm. 215° u. Zers. (B. 17, 1808). — II, 1808.  
 37) Verbindung (aus Furfurol, Anilin u. Methylanilin). HCl (A. 239, 356). — III, 723.  
 38) Verbindung (aus 1,4-Dioxybenzol u. Amidobenzol). Sm. 89 — 90° (B. 15, 1973). — II, 939.  
 39) Verbindung (aus 2-Methylphenylcarbonimid u. anti-4-Isopropylbenzal-dioxim). Sm. 70° (B. 26, 2095). — III, 57.  
 40) Verbindung (aus 4-Methylphenylcarbonimid u. anti-4-Isopropylbenzal-dioxim). Sm. 115° (B. 26, 2095). — III, 57.  
 41) Verbindung (aus 4-Methylphenylcarbonimid u. syn-4-Isopropylbenzal-dioxim). 2 isom. Formen. Sm. 113° u. 120° (B. 26, 2095). — III, 57.

$C_{18}H_{20}O_2N_4$  C 66,7 — H 6,1 — O 9,9 — N 17,3 — M. G. 324.

- 1) Butenyldiphenylureid. Sm. 169 — 170°. — II, 378.
- 2)  $\alpha\beta$ -Succinylidiphenylhydrazidoäthan. Sm. bei 126° (A. 254, 123). — IV, 704.
- 3) 3,3'-Di[Acetylamido]-2,2'-Dimethylazobenzol. Sm. oberh. 340° (Soc. 59, 1016). — IV, 1377.
- 4) 4,4'-Di[Acetylamido]-3,3'-Dimethylazobenzol. Sm. noch nicht bei 30° (Am. 17, 450). — IV, 1377.
- 5) 6,6'-Di[Acetylamido]-3,3'-Dimethylazobenzol (B. 22, 1397). — IV, 1377.
- 6) 3,3'-Di[Acetylamido]-4,4'-Dimethylazobenzol. Sm. bei 300° (Soc. 59, 1016). — IV, 1379.
- 7)  $\gamma\delta$ -Di[Phenylhydrazon]- $\beta$ -Methylbutan- $\beta$ -Carbonsäure. Sm. 190° (B. 30, 859). — IV, 707.
- 8) Aethylester d.  $\alpha$ -Phenylazo- $\beta$ -Phenylhydrazonebuttersäure. Sm. 108 — 109° (B. 32, 208).

$C_{18}H_{20}O_2Cl_2$  1) Diäthyläther d.  $\beta\beta$ -Dichlor- $\alpha\alpha$ -Di[4-Oxyphenyl]äthan. Sm. 72° (A. 279, 341). — II, 995.

$C_{18}H_{20}O_2Br_2$  1) P-Dibrom-5,5'-Dioxy-1,2,4,1',2',4'-Hexamethyl-P-Biphenyl. Sm. 186 — 187° (B. 18, 2690). — II, 996.

- 2) Diäthyläther d.  $\alpha\beta$ -Dibrom- $\alpha\beta$ -Di[4-Oxyphenyl]äthan. Sm. 192° (A. 279, 344). — II, 993.

$C_{18}H_{20}O_2S_2$  1) Aethylester d.  $\beta\beta$ -Merkaptobutterdiphenyläthersäure. Sm. 57 — 58° (B. 19, 1790). — II, 788.

$C_{18}H_{20}O_3N_2$  C 69,2 — H 6,4 — O 15,4 — N 9,0 — M. G. 312.

- 1) Aethyläther d. 5-[4-Formylamido-3-Methylphenyl formylamido-2-Oxy-1-Methylbenzol. Sm. 146 — 147° (A. 287, 194).
- 2) Aethyläther d. 6,4'-Di[Acetylamido]-3-Oxybiphenyl. Sm. 190 — 191° (A. 303, 350).
- 3) Aethyläther d. 4-Diacetylamido-4'-Oxydiphenylamin. Sm. 175 bis 176° (B. 26, 693). — IV, 584.
- 4) Guajakolantipyrin (Bl. [3] 15, 172). — IV, 510.
- 5) Orcinantipyrin. Fl. (Bl. [3] 15, 612). — IV, 510.
- 6) Saligeninantipyrin. Fl. (Bl. [3] 15, 849). — IV, 510.

- C<sub>18</sub>H<sub>20</sub>O<sub>5</sub>N<sub>2</sub>** 7) Cyan-2-Nitrobenzylcampher. Sm. 104—105° (B. 24 [2] 733). — III, 514.  
 8) Cinchotenenin + 3H<sub>2</sub>O. Sm. 197—198°. (2HCl, PtCl<sub>4</sub>), (2HCl, AuCl<sub>3</sub>) (A. Spl. 7, 249; A. 178, 232; 197, 376; B. 11, 1984; 28, 12, 1072, 1985; M. 15, 787; 16, 62, 159). — III, 840.  
 9) Cinchotenicin. Sm. 153° (B. 11, 1983). — III, 844.  
 10) Cinchotenediin + 3H<sub>2</sub>O. Sm. 256° u. Zers. (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> + 2½H<sub>2</sub>O (A. 197, 237; B. 14, 1892; M. 10, 54). — III, 854.  
 11)  $\alpha$ -[ $\alpha$ -Phenylamidopropionylphenyl]amidopropionsäure. Sm. 79—80° u. Zers. (B. 23, 2016). — II, 433.  
 12) 2-Methylphenylamidoacetyl-2-Methylphenylamidoessigsäure. Sm. 129° (J. pr. [2] 38, 308). — II, 470.  
 13) 2-Methylphenylamidoäthyl-[2-Methylphenyl]amidoformylameisensäure + xH<sub>2</sub>O. Sm. 100° u. Zers. Ba + H<sub>2</sub>O (B. 23, 2035). — II, 467.  
 14) Phenylimonamid d. Phenylamidobernsteinsäuremonoäthylester. Sm. 144° (B. 25, 650). — II, 437.  
 15) Phenylimonamid d. Phenylimidodiessigsäuremonoäthylester. Sm. 121—122° (B. 22, 1801). — II, 431.  
 16) Benzylmonamid d. Benzylamidobernsteinsäure. Sm. 204—205°. Ba (C. 1898 [1] 244).  
 17) 2-Methylphenylmonamid d. 2-Methylphenylimidodiessigsäure. Sm. 146—148° (B. 23, 1994). — II, 470.  
 18) 4-Methylphenylmonamid d. 4-Methylphenylimidodiessigsäure. Sm. 222° u. Zers. (B. 23, 2001; 25, 2288). — II, 507.  
 19) Di[2-Methylphenylamid] d. Aepfelsäure. Sm. 180,5—181,5° (179°) (B. 23, 2044; G. 23, 183; C. 1899 [1] 467). — II, 468.  
 20) Di[3-Methylphenylamid] d. Aepfelsäure. Sm. 153° (C. 1899 [1] 467).  
 21) Di[4-Methylphenylamid] d. Aepfelsäure. Sm. 195° (206°) (G. 23, 180; C. 1899 [1] 467). — II, 503.  
 22) Verbindung (aus d. Diäthyläther d. 2-Amido-1,3-Dioxybenzol). Sm. 207° (B. 20, 1149). — II, 928.

- C<sub>18</sub>H<sub>20</sub>O<sub>4</sub>N<sub>4</sub>**  
 1) 3,3'-Di[Acetylamido]-2,2'-Dimethylazoxybenzol. Sm. 307° (Soc. 59, 1016). — IV, 1339.  
 2) 6,6'-Di[Acetylamido]-3,3'-Dimethylazoxybenzol. Sm. 196° (B. 22, 1397). — IV, 1341.  
 3) 3,3'-Di[Acetylamido]-4,4'-Dimethylazoxybenzol. Sm. 290° (Soc. 59, 1016). — IV, 1341.  
 4) Di[Phenylhydrazon] d. Keton C<sub>6</sub>H<sub>5</sub>O<sub>5</sub> (aus Quercit). Sm. 180° u. Zers. (B. 29, 1766). — IV, 788.  
 5)  $\alpha$ -Phenyl- $\beta$ -Acetylhydrazid d.  $\beta$ -Acetyl- $\alpha$ -Phenylhydrazidoessigsäure. Sm. 198° (A. 301, 87).  
 6) Verbindung (aus Akonsäuremethylester u. Phenylhydrazin). Sm. 167° (B. 27, 3441). — IV, 708.

- C<sub>18</sub>H<sub>20</sub>O<sub>5</sub>Br<sub>2</sub>** 1) Di[3-Brom-4-Oxy-2,5-Dimethylbenzyläther. Sm. 162° (A. 302, 122). C 65,9 — H 6,1 — O 19,5 — N 8,5 — M. G. 328.  
**C<sub>18</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>**  
 1)  $\alpha\beta$ -Di[Acetylamido]- $\alpha\beta$ -Di[2-Oxyphenyl]äthan. Sm. oberh. 300° (Soc. 45, 680; B. 17, 2409). — II, 994; III, 286.  
 2) Dimethyläther d. 4,4'-Di[Acetylamido]-3,3'-Dioxybiphenyl. Sm. 231° (J. pr. [2] 58, 214).  
 3) Di[2-Acetylaminodophenyläther] d.  $\alpha\beta$ -Dioxyäthan. Sm. 226° (J. pr. [2] 27, 204). — II, 705.  
 4) Di[4-Acetylamidophenyläther] d.  $\alpha\beta$ -Dioxyäthan. Sm. 257° (C. 1898 [2] 423).  
 5) Tetramethyläther d. Di[3,4-Dioxybenzyliden]hydrazin. Sm. 190° (Bl. [3] 17, 946).  
 6) Chitenol + H<sub>2</sub>O. Zers. oberh. 270°. 2HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> + H<sub>2</sub>O (M. 14, 603). — III, 820.  
 7)  $\alpha\beta$ -Di[4-Methylphenylamido]bernsteinsäure. Sm. 200°. Na, Ca, Cu (B. 26, 1767). — II, 509.  
 8) Dimethylester d.  $\alpha$ -Phenylhydrazido- $\alpha$ -Phenyläthan- $\beta\beta$ -Dicarbon-säure. Sm. 94,5° u. Zers. (B. 28, 147). — IV, 741.  
 9) Dimethylester d. Phenylhydrazonanemonensäure. Sm. 170° (M. 17, 294). — IV, 797.

- C<sub>18</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>** 10) Diäthylester d. Biphenylen-4',4'-Diamidoameisensäure (Biphenylen-diurethan). Sm. 230° (*A.* **258**, 368; *Soc.* **49**, 256). — **IV**, 964.  
 11) 3-Nitrophenylamid d. Oxyessig-4-Isobutylphenyläthersäure. Sm. 136—139° (*Am.* **19**, 74).  
 12) Di[2-Methylphenylamid] d. Weinsäure. Sm. 182—183° (200° u. Zers.) (*B.* **23**, 2049; *C.* **1899** [1] 467). — **II**, 468.  
 13) Di[3-Methylphenylamid] d. Weinsäure. Sm. 182° u. Zers. (*C.* **1899** [1] 467).  
 14) Di[4-Methylphenylamid] d. Weinsäure. Sm. 264° u. Zers. (230° u. Zers.) (*B.* **23**, 2050; *A.* **279**, 145; *C.* **1899** [1] 467). — **II**, 503.  
 15) 4-Aethoxyphenylamid d. 4-Acetylaminodiphenoxylessigsäure. Sm. 198° (*B.* **30**, 2107).  
 16) Di[4-Aethoxyphenylamid] d. Oxalsäure. Sm. 265° (256—258°) (*B.* **28** [2] 991; *G.* **25** [2] 536).
- C<sub>18</sub>H<sub>20</sub>O<sub>4</sub>N<sub>4</sub>** C 60,7 — H 5,6 — O 18,0 — N 15,7 — M. G. 356.  
 1) 4-Aethoxyphenoxy-4-Aethoxyphenylhydrazonessigsäure. Sm. 147—148° (*B.* **28**, 1693). — **IV**, 1240.
- C<sub>18</sub>H<sub>20</sub>O<sub>4</sub>S<sub>2</sub>** 1) Hexamethyldiphenylendisulfon. Zers. oberh. 300° (*Bl.* [3] **15**, 1040).
- C<sub>18</sub>H<sub>20</sub>O<sub>4</sub>Pb** 1) Diacetat d. Bleidi[4-Methylphenyl]dioxyhydrat + 2H<sub>2</sub>O. Sm. 183,5° (wasserfrei) (*B.* **21**, 3427). — **IV**, 1716.
- C<sub>18</sub>H<sub>20</sub>O<sub>4</sub>S<sub>4</sub>** 1) Verbindung (aus  $\beta\gamma$ -Dibrompropylphenylsulfon). Sm. 157—158° (*J. pr.* [2] **56**, 448).
- C<sub>18</sub>H<sub>20</sub>O<sub>6</sub>N<sub>2</sub>** C 60,0 — H 5,6 — O 26,6 — N 7,8 — M. G. 360.  
 1) Phenylamid d. Schleimsäure (Mucanilid) (*J. pr.* [2] **6**, 138). — **II**, 424.  
 2) Di[4-Methoxylphenylamid] d.  $\alpha\beta$ -Dioxyäthan- $\alpha\beta$ -Dicarbonsäure. Sm. 259° (*C.* **1897** [1] 49).
- C<sub>18</sub>H<sub>20</sub>O<sub>6</sub>Cl<sub>2</sub>** 1) Hexamethyläther d. Dichlorhexaoxybiphenyl (*B.* **11**, 1624). — **II**, 1042.
- C<sub>18</sub>H<sub>20</sub>O<sub>6</sub>Br<sub>2</sub>** 1) Hexamethyläther d. Dibromhexaoxybiphenyl. Sm. 138—140° (*B.* **11**, 1623). — **II**, 1042.
- C<sub>18</sub>H<sub>20</sub>O<sub>6</sub>S** 1) Verbindung (aus 1,4-Dioxybenzol u. H<sub>2</sub>S) (*A.* **69**, 297). — **II**, 939.
- C<sub>18</sub>H<sub>20</sub>O<sub>6</sub>S<sub>2</sub>** 1) Aethylester d.  $\beta\beta$ -Diphenylsulfonbuttersäure. Sm. 97° (*A.* **259**, 367). — **II**, 789.
- C<sub>18</sub>H<sub>20</sub>O<sub>7</sub>N<sub>2</sub>** C 57,4 — H 5,3 — O 29,8 — N 7,4 — M. G. 376.  
 1) 4-Benzoat d. 4-Oxy-2-Aethyl-1,2,6-Oxiazin-3,5-Dicarbonsäurediäthylester. Sm. 69° (*B.* **26**, 1005). — **IV**, 545.
- C<sub>18</sub>H<sub>20</sub>O<sub>7</sub>N<sub>4</sub>** C 53,5 — H 4,9 — O 27,7 — N 13,9 — M. G. 404.  
 1) Diäthyläther d. 4'-Acetylamoido-2,4-Dinitro-3,6-Dioxydiphenylamin. Sm. 199° (*B.* **24**, 3828). — **II**, 949.
- C<sub>18</sub>H<sub>20</sub>O<sub>7</sub>N<sub>8</sub>** C 50,0 — H 4,6 — O 25,9 — N 19,5 — M. G. 432.  
 1) 2-Nitro-1,4-Di[Acetylamido]benzol + 2-Nitro-4-Acetylamoido-1-Amidobenzol. Sm. 161° (*B.* **30**, 985). — **IV**, 589.
- C<sub>18</sub>H<sub>20</sub>O<sub>8</sub>N<sub>2</sub>** C 55,1 — H 5,1 — O 32,7 — N 7,1 — M. G. 392.  
 1) Verbindung (aus ?-Dichlor-?-Diamido-1,4-Dioxybenzol). Sm. 225° (*A.* **210**, 185).
- C<sub>18</sub>H<sub>20</sub>O<sub>8</sub>Cl<sub>2</sub>** 1) Diäthylester d. 3,6-Dichlor-2,5-Dioxybenzoldi-1,4-[Acetylmethylcarbonsäure] (D. d. p-Dichlorhydrochinondiacetessigsäure). Sm. 154° (*J. pr.* [2] 45, 72). — **II**, 2076.
- C<sub>18</sub>H<sub>20</sub>O<sub>10</sub>N<sub>2</sub>** 2) Verbindung (aus Hanf) (*Soc.* **43**, 19; **55**, 204). — **I**, 1080.  
 C 50,9 — H 4,7 — O 37,8 — N 6,6 — M. G. 424.  
 1) Tetraacetat d. 3,6-Diacetylamido-1,2,4,5-Tetraoxylbenzol. Sm. 240° u. Zers. (*B.* **18**, 503). — **II**, 1033.
- C<sub>18</sub>H<sub>20</sub>O<sub>10</sub>N<sub>6</sub>** C 45,0 — H 4,2 — O 33,3 — N 17,5 — M. G. 480.  
 1) Pyrogallein (*J.* **1858**, 259). — **II**, 1011.
- C<sub>18</sub>H<sub>20</sub>O<sub>12</sub>N<sub>2</sub>** C 47,4 — H 4,4 — O 42,1 — N 6,1 — M. G. 456.  
 1) Tetraäthylester d. 3,6-Dinitrobenzol-1,2,4,5-Tetracarbonsäure. Sm. 130° (*A.* **237**, 23). — **II**, 2074.
- C<sub>18</sub>H<sub>20</sub>O<sub>16</sub>S<sub>2</sub>** 1) Celluloseschwefelsäure. Ca (*Ber.* **J.** **25**, 582; **26**, 615; *Z.* **1869**, 703; *A.* **53**, 134; *H.* **7**, 528; *M.* **6**, 711; **7**, 458). — **I**, 1077.
- C<sub>18</sub>H<sub>20</sub>N<sub>2</sub>S<sub>8</sub>** 1)  $\alpha$ -Phenyl-1,2,3,4-Tetrahydro-2-Naphtylmethylthioharnstoff. Sm. 139,5—140° (*B.* **22**, 1913). — **II**, 590.  
 2) 2 isom. Verbindungen (aus 6-Amido-1,3,4-Trimethylbenzol). Sm. 183° u. 125° (*B.* **22**, 585). — **II**, 827.

- C<sub>18</sub>H<sub>11</sub>N<sub>2</sub>S**
- 1) **s-1,2-Naphylendi[allylthioharnstoff]**. Zers. bei 200° (B. 19, 908). — IV, 919.
  - 2) **2,5-Di[2,4-Dimethylphenylamido]-1,3,4-Thiodiazol**. Sm. 79°. (2HCl, PtCl<sub>4</sub>) — Krat. + AgNO<sub>3</sub> (B. 23, 308). — IV, 1236.
- C<sub>18</sub>H<sub>11</sub>ON**
- 1) **Methyläther d. 5-Oxy-4-Isopropyl-2-Phenylimidomethyl-l-Methylbenzol**. Sm. 80° (B. 16, 2099). — III, 90.
  - 2) **α-[2,4-Dimethylphenyl]amidopropylphenylketon**. Sm. 106—107° (Bl. [3] 17, 78).
  - 3) **ε-Oximido-β-Diphenyl-β-Methylpentan**. Sm. 118° (B. 21, 1209). — III, 239.
  - 4) **Cyanbenzylcampher**. Sm. 58—59° (B. 24 [2] 733). — III, 514.
  - 5) **β-Isoamphenylamid d. Benzolcarbonsäure**. Sm. 148,5° (B. 14, 2346; 15, 1844; 20, 1250). — II, 1167.
  - 6) **1-Methyl-3-Isobutyl-2-Phenylamid d. Benzolcarbonsäure**. Sm. 141 bis 142° (B. 17, 2340). — II, 1167.
  - 7) **1-Methyl-5-Pseudobutyl-2-Phenylamid d. Benzolcarbonsäure**. Sm. 168° (B. 17, 2322). — II, 1167.
- C<sub>18</sub>H<sub>21</sub>ON<sub>3</sub>**
- 1) **2-Methylphenylazocyancampher**. Sm. 140° u. Zers. — IV, 1482.
  - 2) **4-Methylphenylazocyancampher**. Sm. 137°. — IV, 1482.
- C<sub>18</sub>H<sub>21</sub>OCl**
- 1) **α-Chlor-β-Oxy-α-Di[9-Methylphenyl]-β-Methylpropan**. Sd. 265° (J. pr. [2] 37, 369). — II, 1081.
- C<sub>18</sub>H<sub>21</sub>O<sub>2</sub>N**
- 1) **Desoxycodein**. HBr (J. 1871, 778). — III, 907.
  - 2) **α-[3-Methoxy-4-Oxyphenyl]-β-[1,2,3,4-Tetrahydrochinolyl(2)]-Äthan**. Sm. 88°. HCl (B. 27, 1976). — IV, 402.
  - 3) **4-Diäthylamidodiphenylmethan-2'-Carbonsäure**. Sm. 108° (C. 1898 [1] 1296).
  - 4) **Aethylester d. α-Phenylbenzylamidopropionsäure**. HCl (B. 31, 2673).
  - 5) **Aethylester d. α-Aethylphenylamidophenylessigsäure**. Sm. 38,5 bis 39,5° (B. 30, 3179).
  - 6) **Aethylester d. Phenyl-2,4-Dimethylphenylamidoessigsäure**. Sm. 90,5° (B. 30, 2477).
  - 7) **2-Methylbenzoat d. r-Carvoxim** (Pb. Ch. 14, 404). — III, 114.
  - 8) **3-Methylbenzoat d. r-Carvoxim** (Pb. Ch. 14, 404). — III, 114.
  - 9) **4-Methylbenzoat d. r-Carvoxim** (Pb. Ch. 14, 404). — III, 114.
  - 10) **Phenylacetat d. r-Carvoxim** (Pb. Ch. 14, 404). — III, 114.
  - 11) **Phenylamidoformiat d. 5-[α-Oxyäthyl]-1,2,4-Trimethylbenzol**. Sm. 108° (B. 31, 1006).
  - 12) **Phenylamidoformiat d. 2-[α-Oxyäthyl]-1,3,5-Trimethylbenzol**. Sm. 124° (B. 31, 1009).
  - 13) **Phenylamid d. 5-Oxy-4-Isopropyl-1-Methylbenzolmethyläther-2-Carbonsäure**. Sm. 166° (J. pr. [2] 41, 315). — II, 1589.
  - 14) **Phenylamid d. Oxyessig-4-Isobutylphenyläthersäure**. Sm. 97° (Am. 19, 73).
  - 15) **Phenylamid d. Oxyessig-3-Methyl-6-Isopropylphenyläthersäure**. Sm. 81° (Bl. [3] 17, 360).
- C<sub>18</sub>H<sub>21</sub>O<sub>2</sub>N<sub>3</sub>**
- 1) **5-Dimethylamido-2,4'-Di[Acetylamido]biphenyl**. Sm. 233° (A. 303, 356).
  - 2) **Mono[4-Methylphenyl]diamid d. 4-Methylphenylimidodiessigsäure**. Sm. 200° (B. 25, 2288). — II, 507.
  - 3) **Di[4-Methylphenylamid] d. Diglykolamidsäure**. Sm. 149,5° (B. 8, 1155). — II, 493.
- C<sub>18</sub>H<sub>21</sub>O<sub>2</sub>N**
- 1) **Bebeerin** (Bebirin; Buxin; Pelosin). amorph. Sm. 180°; kryst. Sm. 214°. HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub>, H<sub>2</sub>CrO<sub>4</sub> + H<sub>2</sub>O (A. 33, 81; 48, 111; 55, 105; 69, 53; 77, 333; B. 29, 2054; J. 1858, 375; 1860, 548; 1869, 738, 739; 1871, 771, 777; G. 12, 97; M. 18, 385). — III, 797.
  - 2) **Codein** (Methyläther d. Morphin) + H<sub>2</sub>O. Sm. 153° (155° wasserfrei); Sd. 179°. Salze meist bek. Lit. bedeutend. — III, 901.
  - 3) **Isocodein**. Sm. 70—80° (B. 32, 196).

- C<sub>15</sub>H<sub>21</sub>O<sub>5</sub>N**
- 4) **Pseudocodein + H<sub>2</sub>O.** Sm. 178—180°. HCl, (2HCl+3HgCl<sub>2</sub>+1<sup>1/2</sup>H<sub>2</sub>O), (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>+3H<sub>2</sub>O), HBr + H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub>+2H<sub>2</sub>O, Pikrat (B. 24 [2] 643). — **III.** 906.
  - 5) **Methylpiperin** (3,4-Methylenäther d.  $\alpha$ -Keto- $\alpha$ -Piperidyl- $\alpha$ -[3,4-Dioxyphenyl]- $\beta$ -Methyl- $\alpha\gamma$ -Pentadien). Sm. 125—126° (B. 28, 1195). — **IV.** 77.
  - 6) **4,4'-Diäthyläther d.  $\alpha$ -Oximido- $\alpha\beta$ -Di[4-Oxyphenyl]äthan.** Sm. 119° (A. 279, 343). — **III.** 227.
  - 7) **4-Diäthylamido-3-Oxydiphenylmethan-2'-Carbonsäure.** Sm. 188° (Bl. [3] 19, 830; C. 1898 [1] 1296).
  - 8) **4-Keto-2,6-Dimethyl-1-[2,3,4,6-Tetramethylphenyl]-1,4-Dihydropyridin-3-Carbonsäure.** Sm. 145° (B. 21, 1656). — **II.** 562.
  - 9) **Phenylamidocamphoformencarbonsäure.** Sm. 174°. Anilinsalz (Am. 21, 249).
  - 10) **Pinenphthalamidsäure.** Sm. 100—111° (G. 21, 2). — **IV.** 77.
  - 11) **Aethylester d. 3-Benzoyl-2,4,6-Trimethyl-1,4-Dihydropyridin-5-Carbonsäure.** Sm. 186—187° (B. 24, 1667). — **IV.** 90.
  - 12) **Aethylester d. 5-Acetyl-2,6-Dimethyl-4-Phenyl-1,4-Dihydropyridin-3-Carbonsäure.** Sm. 167°; Sd. 210—230°<sub>185—200</sub> (B. 31, 1027). C 68,6 — H 6,7 — O 20,3 — N 4,4 — M. G. 315.
- C<sub>15</sub>H<sub>21</sub>O<sub>4</sub>N**
- 1) **d-Cinnamylegonin.** Fl. HCl, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> (B. 24, 8). — **III.** 869.
  - 2) **l-Cinnamylegonin.** Sm. 216° u. Zers. (HCl, AuCl<sub>3</sub>) (B. 21, 3373). — **III.** 868.
  - 3)  **$\delta$ -Isatropylegonin** ( $\beta$ -Truxillegonin). Sm. 202° u. Zers. (HCl, AuCl<sub>3</sub>) (B. 22, 680). — **III.** 869.
  - 4) **Base (aus Protopin).** Sm. 148° (M. 19, 198).
  - 5) **Diäthylester d. l-Naphylamidobernsteinsäure.** Sm. 150° (B. 25, 965). — **II.** 614.
  - 6) **Diäthylester d. 2-Naphylamidobernsteinsäure.** Sd. 108°<sub>18—20</sub> u. Zers. (B. 25, 970). — **II.** 622.
  - 7) **Diäthylester d. 2,5-Dimethyl-1-Phenylpyrrol-3,4-Dicarbonsäure.** Sm. 37—38°; Sd. 250°<sub>100</sub> (B. 18, 303; A. 236, 305). — **IV.** 92.
- C<sub>15</sub>H<sub>21</sub>O<sub>4</sub>N<sub>3</sub>**
- 1) **Isobutyldi[2-Nitrobenzyl]amin.** Sm. 62°. (HCl, AuCl<sub>3</sub>) (B. 26, 2586). — **II.** 521.
  - C 65,3 — H 6,3 — O 24,2 — N 4,2 — M. G. 331.
  - 1) **Diäthylester d.  $\alpha$ -Phenylamido- $\alpha$ -[2-Furanyl]äthan- $\beta\beta$ -Dicarbonsäure** (D. d. Anilidofurylmalonsäure). Sm. 72—73° (B. 28, 1455). — **III.** 718.
  - 2) **Diäthylester d. 2-Keto-6-Methyl-4-Phenyl-1,2,3,4-Tetrahydropyridin-3,5-Dicarbonsäure.** Sm. 149,5—150° (B. 31, 763).
  - 3) **Verbindung (aus Diäthyläther d. 4-Amido-1,3-Dioxybenzol).** Sm. 170° (B. 20, 1129). — **II.** 929.
- C<sub>15</sub>H<sub>21</sub>O<sub>6</sub>N**
- 1) **Diäthylester d.  $\delta$ -Phtalylamidobutan- $\alpha\alpha$ -Dicarbonsäure.** Sm. 46 bis 48° (B. 23, 1768). — **II.** 1812.
- C<sub>15</sub>H<sub>21</sub>O<sub>6</sub>Cl<sub>9</sub>**
- 1) **Verbindung (aus  $\alpha$ -Benzolhexachlorid).** (J. 1862, 482).
- C<sub>15</sub>H<sub>21</sub>O<sub>7</sub>N<sub>3</sub>**
- 1) **Hexacytylderivat d. 2,4,6-Triamido-1-Oxybenzol.** Sm. 184° (M. 16, 261).
  - C 62,3 — H 6,0 — O 27,7 — N 4,0 — M. G. 347.
- C<sub>15</sub>H<sub>21</sub>O<sub>5</sub>N<sub>11</sub>**
- 1) **Undekanitrat d. Raffinose.** Sm. 55—65° (B. 31, 85).
- C<sub>15</sub>H<sub>21</sub>N<sub>2</sub>Cl**
- 1) **1-Chloräthylat d. 5-Methyl-1-Aethyl-2-Phenylbenzimidazol.** HCl, 2 + PtCl<sub>4</sub> (A. 210, 374). — **IV.** 1014.
- C<sub>15</sub>H<sub>21</sub>N<sub>2</sub>Cl<sub>3</sub>**
- 1) **Verbindung (aus Chloral u. 2-Dimethyl-2-Amidobenzol).** Sm. 95—99° (A. 173, 283). — **II.** 548.
- C<sub>15</sub>H<sub>21</sub>N<sub>2</sub>J**
- 1) **1-Jodäthylat d. 5-Methyl-1-Aethyl-2-Phenylbenzimidazol.** + J<sub>2</sub> (Sm. 128—129°) (A. 210, 373). — **IV.** 1014.
- C<sub>15</sub>H<sub>21</sub>N<sub>2</sub>S**
- 1) **2-[1-Piperidyl]diphenylthioharnstoff.** Sm. 174° (B. 24, 2103). — **IV.** 560.
- C<sub>15</sub>H<sub>21</sub>N<sub>2</sub>S<sub>2</sub>**
- 1) **Dimethyläthylidiphenyldithiobiuret.** Sm. 98,8° (B. 26, 1686). — **II.** 400.
  - 2)  **$\alpha$ -Dimethyläthylidiphenylpseudodithiobiuret.** Sm. 89,8° (B. 26, 1688). — **II.** 400.

- C<sub>18</sub>H<sub>21</sub>N<sub>3</sub>S<sub>2</sub>** 3)  $\beta$ -Dimethyläthylidiphenylpseudodithiobiuret. Sm. 91,2° (B. 26, 1688). — II, 400.
- C<sub>18</sub>H<sub>21</sub>N<sub>4</sub>Br<sub>3</sub>** 1) 2,4,5,2',4',5'-Hexamethyl-6-Diazoazobenzoltribromid. Sm. 122 bis 124° (B. 21, 546). — IV, 1534.
- C<sub>18</sub>H<sub>22</sub>ON<sub>2</sub>**
  - 1) 4-[4-Dimethylamidophenyl]imido-1-Keto-2-Methyl-5-Isopropyl-1,4-Dihydrobenzol. Sm. 69,5° (Bl. [3] 7, 97; [3] 11, 1135). — III, 365.
  - 2) 4-[4-Dimethylamidophenyl]imido-1-Keto-3-Methyl-6-Propyl-1,4-Dihydrobenzol (Bl. [3] 13, 896).
  - 3) 4-[4-Dimethylamidophenyl]imido-1-Keto-3-Methyl-6-Isopropyl-1,4-Dihydrobenzol. Sm. 87—88° (Bl. [3] 11, 1135). — III, 365.
  - 4) s-[4-Methylphenyl]-[4-Isopropylbenzyl]harnstoff. Sm. 150° (B. 22, 932). — II, 561.
  - 5) Aethyläther d. 8-[4-Amidophenyl]amido-5-Oxy-1,2,3,4-Tetrahydronaphthalin. Sm. 87—88° (B. 31, 904).
  - 6) Aethylester d. 8-Amido-7-Phenylamido-5-Oxy-1,2,3,4-Tetrahydronaphthalin. Sm. 168—169° (B. 31, 901).
  - 7)  $\gamma$ -Phenylhydrazen- $\alpha$ -[2-Oxyphenyl]hexan. Sm. 149—150° (B. 29, 377). — IV, 773.
  - 8) Oxyhexamethylazobenzol. Sm. 147—148° (B. 17, 885). — IV, 1425.
  - 9) 1-Aethoxyhydrat d. 5-Methyl-1-Aethyl-2-Phenylbenzimidazol. Sm. 152—153°. Chlorid + HCl, 2 Chlorid + PtCl<sub>4</sub>, Jodid, Jodid + J<sub>2</sub>, H<sub>2</sub>SO<sub>4</sub> + H<sub>2</sub>O (A. 210, 375). — IV, 1014.
  - 10) 2,4-Dimethylphenylamid d. 2,4-Dimethylphenylamidoessigsäure. Sm. 128° (B. 16, 206). — II, 544.
- C<sub>18</sub>H<sub>22</sub>ON<sub>4</sub>** C 69,7 — H 7,1 — O 5,1 — N 18,1 — M. G. 310.
- 1) 2,4,5,2',4',5'-Hexamethyl-6-Diazoazobenzol. Tribromid, Nitrat (B. 21, 546). — IV, 1533.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 72,5 — H 7,4 — O 10,7 — N 9,4 — M. G. 298.
- 1) Acetaldehydetetramethylamidofluorimium. (2HCl, PtCl<sub>4</sub>) (B. 27, 2895).
- 2) Dimethyläther d. 1,4-Di[4-Oxyphenyl]hexahydro-1,4-Diazin. Sm. 233° (B. 22, 1782). — II, 716.
- 3) Aethyläther d. 5-[4-Acetylamido-3-Methylphenyl]amido-2-Oxy-1-Methylbenzol. Sm. 143° (A. 287, 194).
- 4) Aethyläther d. 6-[4-Acetylamido-2-Methylphenyl]amido-3-Oxy-1-Methylbenzol. Sm. 116° (A. 287, 208).
- 5) Aethyläther d. 6-[4-Acetylamido-3-Methylphenyl]amido-3-Oxy-1-Methylbenzol. Sm. 144° (A. 287, 206).
- 6) Aethyläther d. 5-Acetylamido-2-[4-Methylphenyl]amido-4-Oxy-1-Methylbenzol. Sm. 125° (B. 27, 2708).
- 7) Diäthyläther d.  $\alpha$ -[4-Oxyphenyl]amido- $\alpha$ '-[4-Oxyphenyl]imidoäthan + H<sub>2</sub>O (Holoacain). Sm. 121°. HCl (C. 1897 [1] 875).
- 8) o-Carbtoluido-r-Carvoxim (Ph. Ch. 14, 399). — III, 113.
- 9) m-Carbtoluido-r-Carvoxim (Ph. Ch. 14, 399). — III, 113.
- 10) p-Carbtoluido-r-Carvoxim (Ph. Ch. 14, 399). — III, 113.
- 11) Di[4-Dimethylamidophenyl]essigsäure. Sm. 171° (B. 27, 1407; C. 1895 [1] 201). — II, 1465.
- 12) Base (aus Nicinin). 3H<sub>2</sub>O (M. 14, 441). — III, 821.
- 13) Phenylhydrazid d. Oxyessig-4-Isobutylphenyläthersäure. Sm. 171,5° (Am. 19, 76). — IV, 687.
- 14) Verbindung (aus 4-Amido-1-Aethoxybenzol). Sm. 140°. HCl, 2HCl (C. 1897 [2] 38).
- 15) Verbindung (aus schleims. p-Toluidin) (B. 14, 2094). — IV, 1035.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>4</sub>** C 66,3 — H 6,7 — O 9,8 — N 17,2 — M. G. 326.
- 1)  $\alpha$ - $\beta$ -Di[ $\beta$ -Acetyl- $\alpha$ -Phenylhydrazido]äthan. Sm. 222° (A. 254, 121). — IV, 665.
- 2) N-Di 4-Dimethylamidophenylglyoxim. Sm. 224—225° (B. 31, 293).
- 3) Resorcin + 2 Molec. Phenylhydrazin. Sm. 76° (B. 22, 2108). — IV, 654.
- 4) Hydrochinon + 2 Molec. Phenylhydrazin. Sm. 70—71° (B. 24 [2] 904). — IV, 654.
- 5) Diäthyläther d. 3-Amido-6-Dimethylamido-1,4-Dioxyphenazin. Pikrat (B. 24, 3827). — II, 949.

- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>4</sub>** 6) Di[4-Dimethylamidophenylamid] d. Oxalsäure. Sm. noch nicht bei 270° (B. 12, 533). — IV, 592.  
 7) 4-Dimethylamidophenylhydrazid d.  $\beta$ -Acetyl- $\alpha$ -Phenylhydrazidoessigsäure. Sm. 158° (B. 30, 1101; A. 301, 77).
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>S** 1) Di[4-Isopropylphenyl]sulfon. Sm. 100—110° (96%) (B. 26, 2945; Bl. [3] 11, 513). — II, 827.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>3</sub>** C 68,8 — H 7,0 — O 15,3 — N 8,9 — M. G. 314.  
 1) Diphenyläther d. Di[ $\gamma$ -Oxypropyl]nitrosamin. Sm. 60—61° (B. 24, 2638). — II, 653.  
 2)  $\alpha$ -Oxy- $\alpha$ -Di[4-Dimethylamidophenyl]essigsäure. K (B. 27, 3295). — II, 1697.  
 3)  $\beta$ -[4-Methylphenyl]amidoäthyl-[4-Methylphenyl]amidoessigsäure. Ba + 4H<sub>2</sub>O (B. 23, 2035). — II, 506.  
 4) Phenylhydrazoncampheroxalsäure. Sm. 214—215° (Am. 20, 326).  
 5) Methylester d.  $\alpha$ -Di[4-Methylphenylamido]- $\alpha$ -Oxyessigmethylierbärsäure. Sm. 105° (B. 28, 62).  
 6) Methylester d. Phenylazocampchlorcarbonsäure. Sm. 78° (B. 25 [2] 726). — IV, 1468.  
 7) 4-Aethoxyphenylamid d. [4-Aethoxyphenyl]amidoessigsäure. Sm. 139—140° (B. 22, 1789). — II, 721.  
 8) Acetylphenylamidoimid d. Camphersäure. Sm. 107° (B. 25, 2567). — IV, 708.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>4</sub>** C 63,2 — H 6,4 — O 14,0 — N 16,4 — M. G. 342.  
 1) Di[Phenylhydrazon] d. Chinovose. Sm. 193—194° (B. 26, 2419). — IV, 794.  
 2) Di[Phenylhydrazon] d. Isoduleit. Sm. 180° (B. 20, 1091, 1189; Bl. 47, 761). — IV, 789.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 65,5 — H 6,6 — O 19,4 — N 8,5 — M. G. 330.  
 1) Diphenylhydrazon d. Isoduleit. Sm. 134° (A. 258, 247). — IV, 789.  
 2) Diäthylester d. 1-Phenylamido-2,5-Dimethylpyrrol-3,4-Dicarbonsäure. Sm. 127° (B. 18, 304, 1568). — IV, 549.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>4</sub>** C 60,3 — H 6,1 — O 17,9 — N 15,6 — M. G. 358.  
 1) Di[Phenylhydrazon] d. Akrose. Sm. bei 217° u. Zers. (B. 20, 1093, 2571, 3386, 3388; 22, 360; 23, 353). — IV, 790.  
 2) isom. Di[Phenylhydrazon] d. Akrose. Sm. 148° (156—159°) (B. 20, 2573, 3387). — IV, 790.  
 3) Di[Phenylhydrazon] d. Carubinose. Sm. 198° (Bl. [3] 17, 958). — IV, 792.  
 4) Di[Phenylhydrazon] d. Dulcitet. Sm. 205—206° u. Zers. (B. 20, 3390; Soc. 75, 10). — IV, 791.  
 5) Di[Phenylhydrazon] d. Formose. Sm. bei 144° (B. 21, 274, 989; J. pr. [2] 33, 339). — IV, 791.  
 6) Di[Phenylhydrazon] d. Galaktose. Sm. 188—191° u. Zers. (B. 17, 581; 20, 826). — IV, 791.  
 7) Di[Phenylhydrazon] d. Galtose. Sm. 182° (R. 16, 270).  
 8) Di[Phenylhydrazon] d. d-Glykose. Sm. 205° (B. 17, 579; 19, 50, 1921; 20, 821; 21, 2632; 22, 374; 23, 385; 27, 2485). — IV, 791.  
 9) Di[Phenylhydrazon] d. L-Glykose. Sm. 205° u. Zers. (B. 23, 374). — IV, 792.  
 10) Di[Phenylhydrazon] d. Glutose. Sm. 165° (R. 16, 277).  
 11) Di[Phenylhydrazon] d. Sorbin. Sm. 164° (B. 20, 827). — IV, 793.  
 12) Phenyllosazon d. Zucker C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>. Sm. 141° (B. 21, 990).  
 13) Phenyllosazon d. Zucker C<sub>6</sub>H<sub>12</sub>O<sub>6</sub>. Sm. 200° (B. 21, 990).  
 14) Phenyllosazon d. Zucker C<sub>6</sub>H<sub>12</sub>O<sub>6</sub> (aus Weinsäure). Sm. 168—170° (Soc. 71, 377).
- C<sub>18</sub>H<sub>22</sub>O<sub>4</sub>Br<sub>4</sub>** 1) Tetrabromid d. Phtalsäuremonogeraniolester. Fl. Ba + 4H<sub>2</sub>O (Bl. [3] 19, 87).
- C<sub>18</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>** C 62,4 — H 6,4 — O 23,1 — N 8,1 — M. G. 346.  
 1) Diphenylhydrazon d. Galaktose. Sm. 157° (A. 258, 246). — IV, 791.  
 2) Diphenylhydrazon d. d-Glykose. Sm. 161—162° (A. 258, 245). — IV, 791.  
 3) Diphenylhydrazon d. L-Glykose. Sm. 162—163° (B. 23, 2619). — IV, 791.

- C<sub>18</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>** 4) Diphenylhydrazone d. *i*-Glykose. Sm. 132—133° (B. 23, 2620). — IV, 791.  
 5) Diphenylhydrazone d. Mannose. Sm. 155° (A. 258, 246). — IV, 793.  
 6) 4-Biphenylhydrazone d. Galaktose. Sm. 157—158° u. Zers. (B. 27, 3108). — IV, 970.  
 7) 4-Biphenylhydrazone d. Glykose. Sm. 143—144° u. Zers. (B. 27, 3108). — IV, 970.  
 8) Diäthylester d. 5-Keto-3-Methyl-1-Phenyl-4,5-Dihydropyrazol-4-Aethyl- $\alpha$ -Dicarbonsäure. Fl. (B. 23, 3758). — IV, 727.  
 9) Diäthylester d. Phenylizinsuccinylbersteinsäure. Sm. 159—160° (B. 17, 2054). — IV, 723.
- C<sub>18</sub>H<sub>22</sub>O<sub>5</sub>N<sub>4</sub>** C 57,7 — H 5,9 — O 21,4 — N 15,0 — M. G. 374.  
 1) Phenylsazuron d. Methose. Sm. 205—206° (B. 22, 476). — I, 1040.
- C<sub>18</sub>H<sub>22</sub>O<sub>5</sub>S<sub>2</sub>** 1) Di[ $\gamma$ -Phenylsulfonpropyl]äther. Sm. 85° (J. pr. [2] 51, 293; B. 24, 1834). — II, 784.  
 2) Di[4-Methylphenylsulfonäthyl]äther (B. 26, 944). — II, 823.  
 3) polym. Di[4-Methylphenylsulfonäthyl]äther. Sm. 83—84° (J. pr. [2] 30, 358). — II, 823.
- C<sub>18</sub>H<sub>22</sub>O<sub>6</sub>N<sub>2</sub>** C 59,7 — H 6,1 — O 26,5 — N 7,7 — M. G. 362.  
 1) Dioxim d. Dicampherylsäure. Sm. bei etwa 250°. Acetat (Soc. 75, 183).  
 2) Dioxim d. Säure C<sub>18</sub>H<sub>22</sub>O<sub>6</sub> (B. 27 [2] 504).
- C<sub>18</sub>H<sub>22</sub>O<sub>6</sub>N<sub>4</sub>** C 55,4 — H 5,6 — O 24,6 — N 14,4 — M. G. 390.  
 1) Diäthyläther d. 3'-Dimethylamido-2,4-Dinitro-3,6-Dioxydiphenylamin. Sm. 106° (B. 24, 3830). — II, 949.  
 2) Diäthyläther d. 4'-Dimethylamido-2,4-Dinitro-3,6-Dioxydiphenylamin. Sm. 148° (B. 24, 3826). — II, 949.  
 3) Di[Phenylhydrazid] d. Alloschleimsäure. Sm. 213° u. Zers. (B. 24, 2139). — IV, 731.  
 4) Di[Phenylhydrazid] d. Schleimsäure. Sm. 238—240° u. Zers. (A. 236, 196; Bl. 48, 722). — IV, 731.  
 5) Di[Phenylhydrazid] d. *d*-Mannozuckersäure. Sm. 212° u. Zers. (B. 24, 544). — IV, 730.  
 6) Di[Phenylhydrazid] d. 1-Mannozuckersäure. Sm. 212—214° u. Zers. (B. 20, 2714; Bl. 48, 721). — IV, 731.  
 7) Di[Phenylhydrazid] d. *i*-Mannozuckersäure. Sm. 220—225° (B. 24, 545). — IV, 731.  
 8) Verbindung aus d. 2-Amidobenzol-1-Carbonsäureamid u. Oxalsäuredimethylester. Sm. 80—90° (J. pr. [2] 43, 231). — II, 1246.  
 C 54,8 — H 5,6 — O 32,5 — N 7,1 — M. G. 394.
- C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>Br<sub>2</sub>** 1) Tetraäthylester d. 1,4-Diimido-1,4-Dihydrobenzol-2,3,5,6-Tetracarbonsäure. Sm. 161° (Am. 11, 5). — II, 2074.
- C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>Br<sub>2</sub>**  $\beta$ -Dibrom-4,4'-Di[Dimethylamido-3,3'-Dimethylbiphenyl]. Sm. 117° (B. 14, 2174). — IV, 981.
- C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>S** 1)  $\alpha$ -Aethyl- $\beta$ -Propyl- $\alpha$ -Diphenylthioharnstoff. Sm. 66,3° (B. 21, 103). — II, 397.  
 2)  $\alpha$ -[4-Methylphenyl]- $\beta$ -[4-Isobutylphenyl]thioharnstoff. Sm. 137° (B. 16, 2023). — II, 558.
- C<sub>18</sub>H<sub>23</sub>ON** 3) Benzylimidobenzylamidomethylpropylsulfid (B. 19, 2349). — II, 529.  
 C 80,3 — H 8,6 — O 5,9 — N 5,2 — M. G. 269.  
 1) Methylphenylamidomethylencampher. Sm. 124° (A. 281, 360). — III, 116.  
 2) 4-Methylphenylamidomethylencampher. Sm. 188—189° (A. 281, 359). — III, 116.
- C<sub>18</sub>H<sub>23</sub>ON<sub>3</sub>** C 72,7 — H 7,7 — O 5,4 — N 14,1 — M. G. 297.  
 1) 4-[4-Isopropylbenzyl]nitrosamido-1-Dimethylamidobenzol. Sm. 87° (A. 245, 302). — IV, 587.
- C<sub>18</sub>H<sub>23</sub>O<sub>2</sub>N** 2)  $\beta$ -Isoamylphenylamido- $\alpha$ -Phenylharnstoff. Sm. 220°. — IV, 674.  
 C 75,8 — H 8,1 — O 11,2 — N 4,9 — M. G. 285.  
 1) Diphenyläther d. Di[ $\gamma$ -Oxypropyl]amin. Sd. oberh. 300°. HCl (B. 24, 2037). — II, 653.  
 2) Di[4-Methylphenyläther] d. Di[ $\beta$ -Oxyäthyl]amin. Sm. 49—50°. HCl (B. 24, 1951). — II, 748.  
 3) Benzoat d. 1-Oximido-3-Isobutyl-5-Methyl-1,2,3,4-Tetrahydrobenzol. Sm. 138—140° (A. 288, 338).

- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N** 4) **Benzylester d. Cyancampholsäure.** Sm. 70—71° (A. ch. [6] **30**, 515; [7] **2**, 386). — **II**, 1052.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** 1) **α-Amido-α-ω-Di[4-Dimethylamidophenyl]essigsäure.** Sm. 171° u. Zers. (B. **27**, 3296). — **II**, 1465.  
2) **Amid d. α-Oxy-α-ω-Di[4-Dimethylamidophenyl]essigsäure.** Sm. 140 bis 142° (B. **27**, 3297). — **II**, 1697.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>P** 1) **Di[4-Isopropylphenyl]phosphinsäure.** Cu (A. **294**, 52). — **IV**, 1677.  
2) **Di[2,4,5-Trimethylphenyl]phosphinsäure.** Sm. 202—203°. NH<sub>4</sub> + 2H<sub>2</sub>O, K + H<sub>2</sub>O, Ba + 6H<sub>2</sub>O, Pb, Co, Ni + 10H<sub>2</sub>O, Cu + 10H<sub>2</sub>O, Ag (A. **294**, 25). — **IV**, 1679.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N** C 71,8 — H 7,6 — O 16,0 — N 4,6 — M. G. 301.
- 1) **Propylphenyltetrahydroazindoncarbonsäure.** Sm. 85°. Pb + H<sub>2</sub>O (B. **29**, 518). — **IV**, 367.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>3</sub>** C 60,5 — H 6,4 — O 13,4 — N 19,6 — M. G. 357.
- 1) **Verbindung** (aus Acetylcyanessigsäuremethylester u. Phenylhydrazin). Sm. 87° (A. **1895** [2] 83).
- C<sub>18</sub>H<sub>22</sub>O<sub>4</sub>N** C 68,2 — H 7,2 — O 20,2 — N 4,4 — M. G. 317.
- 1) **Morphinmethoxyhydrat** + 5H<sub>2</sub>O. Salze siehe (A. **88**, 338; **222**, 208; B. **13**, 96; **30**, 354). — **III**, 898.  
2) **α-Cocäthyllin.** Fl. (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>) (B. **29**, 2227). — **III**, 873.  
3) **Methylester d. Phenylacetylegonin.** Fl. (2HCl, PtCl<sub>4</sub>) (B. **21**, 3337). — **III**, 869.  
4) **Aethylester d. Benzoylegonin.** Sm. 108—109°. (2HCl, PtCl<sub>4</sub>) (B. **18**, 2954; **21**, 48). — **III**, 867.  
5) **Aethylester d. d-Benzoylegonin.** Sm. 57°. HCl + H<sub>2</sub>O (B. **23**, 980). — **III**, 867.  
6) **Propylester d. Cocaylbenzoxylessigsäure.** Sm. 56—58°. HCl, HBr (B. **21**, 3443). — **III**, 863.
- C<sub>18</sub>H<sub>22</sub>O<sub>4</sub>N<sub>3</sub>** C 62,6 — H 6,6 — O 18,6 — N 12,2 — M. G. 345.
- 1) **Diphenylhydrazon d. Glykosamin.** Sm. 162° u. Zers. (B. **31**, 2199).
- C<sub>18</sub>H<sub>22</sub>O<sub>4</sub>P** 1) **Di[2-Isopropylphenyl]phosphorsäure.** Ba + 6H<sub>2</sub>O (G. **16**, 130). — **II**, 761.
- C<sub>18</sub>H<sub>22</sub>O<sub>5</sub>N** C 64,9 — H 6,9 — O 24,0 — N 4,2 — M. G. 333.
- 1) **Anisylcocain.** Fl. (HCl, AuCl<sub>3</sub>) (B. **22**, 132). — **III**, 870.
- C<sub>18</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>** C 59,8 — H 6,4 — O 22,2 — N 11,6 — M. G. 361.
- 1) **d-Cocainharnstoff.** Sm. 72°. HCl (B. **27**, 1884). — **III**, 868.
- C<sub>18</sub>H<sub>22</sub>O<sub>6</sub>N** C 61,9 — H 6,6 — O 27,5 — N 4,0 — M. G. 349.
- 1) **Aethylester d. Acetylhydrocotarninessigsäure.** Sm. 113° (B. **20**, 2432). — **III**, 917.
- C<sub>18</sub>H<sub>22</sub>O<sub>7</sub>N** C 59,2 — H 6,3 — O 30,7 — N 3,8 — M. G. 365.
- 1) **Verbindung** (aus d. Trimethyläther d. 5-Amido-1,2,3-Trioxobenzol) (G. **27** [2] 356).
- C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>J** 1) **β-Jod-α-β-Di[4-Dimethylamidophenyl]äthan.** (2HCl, PtCl<sub>4</sub>), (HJ, J<sub>2</sub>) (B. **13**, 2198). — **IV**, 978.  
2) **Jodäthylat d. 1,4-Diphenylhexahydro-1,4-Diazin.** Sm. 100° (J. **1858**, 353). — **II**, 344.
- C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>S** 1) **β-Isoamylphenylamido-α-Phenylthioharnstoff.** Sm. 160° (A. **252**, 285). — **IV**, 680.  
2) **Dimethyldiäthylindaminsulfid.** (2HCl, ZnCl<sub>2</sub> + 3H<sub>2</sub>O) (A. **251**, 84). — **II**, 801.
- C<sub>18</sub>H<sub>24</sub>ON<sub>4</sub>** C 69,2 — H 7,7 — O 5,1 — N 18,0 — M. G. 312.
- 1) **Amid d. α-Amido-α-ω-Di[4-Dimethylamidophenyl]essigsäure.** Sm. 170° (B. **27**, 3295). — **II**, 1465.
- C<sub>18</sub>H<sub>24</sub>O<sub>2</sub>N<sub>2</sub>** C 72,0 — H 8,0 — O 10,7 — N 9,3 — M. G. 300.
- 1) **Napharin.** Erweicht bei 65° (J. **1882**, 1156; B. **16**, 960). — **III**, 894.  
2) **Menispermin.** Sm. 120°. H<sub>2</sub>SO<sub>4</sub> (A. 10, 198). — **III**, 893.  
3) **Paramonispermin.** Sm. 250° (A. 10, 200). — **III**, 894.  
4) **α-ω-Di[4-Dimethylamido-2-Oxyphenyl]äthan.** Sm. 167° (140°) (B. **27**, 2895, 3304; J. pr. [2] 54, 228).  
5) **Diäthyläther d. α-β-Di[4-Oxyphenylamido]äthan.** Sm. 98° (B. **23**, 1979). — **II**, 717.  
6) **β-E-Dioxy-β-E-Di[2-Pyridyl]oktan.** Sm. 146° (B. **24**, 2538). — **IV**, 985.

- C<sub>15</sub>H<sub>21</sub>O<sub>2</sub>N<sub>2</sub>** 7) 1-[*α*-Phenylhydrazonamyl]-1,2,3,4-Tetrahydrobenzol-6-Carbonsäure (Phenylhydrazen d. Sedanonsäure). Sm. 130–131° (B. 30, 500, 1423).
- 8) Dipiperidid d. Benzol-1,2-Dicarbonsäure (Phtalylpiperidin). Fl. (A. 227, 197). — IV, 16.
- 9) Verbindung (aus Aceton u. 3,3'-Dihydrazido-4,4'-Dioxybiphenyl). Sm. 200° (B. 21, 3333). — II, 989.
- C<sub>15</sub>H<sub>21</sub>O<sub>3</sub>N<sub>6</sub>** C 60,7 — H 6,7 — O 9,0 — N 23,6 — M. G. 356.
- 1) Diacetylhexaamidobitolyl. Sm. 196°. 2HCl + 2H<sub>2</sub>O, Pikrat (B. 21, 2409). — IV, 1332.
- C<sub>15</sub>H<sub>21</sub>O<sub>3</sub>N<sub>2</sub>** C 68,4 — H 7,6 — O 15,2 — N 8,8 — M. G. 316.
- 1) Verbindung (aus Blut) (B. 25 [2] 476).
- C<sub>15</sub>H<sub>21</sub>O<sub>4</sub>N<sub>2</sub>** C 65,0 — H 7,2 — O 19,3 — N 8,4 — M. G. 332.
- 1) Dipiperidid d. Resorcinolindikohlsäure. Sm. 122° (A. 300, 153).
- C<sub>15</sub>H<sub>21</sub>O<sub>4</sub>N<sub>4</sub>** C 60,0 — H 6,7 — O 17,8 — N 15,5 — M. G. 360.
- 1) Verbindung (aus Hexamethylenamin u. 1,2-Dioxybenzol). Zera. bei 140° (A. 272, 281). — II, 909.
- C<sub>15</sub>H<sub>21</sub>O<sub>4</sub>Br<sub>2</sub>** 1) Dibromid d. Phthalsäuremonocitroneolloster. Al (Bl. [3] 19, 87).
- C<sub>15</sub>H<sub>21</sub>O<sub>5</sub>N<sub>2</sub>** C 62,1 — H 6,9 — O 23,0 — N 8,0 — M. G. 348.
- 1) 2,6-Tetracytlydiamido-3-Oxy-4-Isopropyl-1-Methylbenzol. Sm. 216 bis 220° (G. 20, 425). — II, 773.
- C<sub>15</sub>H<sub>21</sub>O<sub>6</sub>N<sub>2</sub>** C 59,3 — H 6,6 — O 26,4 — N 7,7 — M. G. 364.
- 1) Hydrobenzursäure (A. 134, 303, 310). — II, 1189.
- C<sub>15</sub>H<sub>21</sub>O<sub>6</sub>N<sub>2</sub>** C 54,5 — H 6,1 — O 32,3 — N 7,1 — M. G. 396.
- 1) Tetraäthylester d. 3,6-Diamidobenzol-1,2,4,5-Tetracarbonsäure. Sm. 134° (A. 237, 25; Soc. 53, 444). — II, 2074.
- C<sub>15</sub>H<sub>21</sub>NJ** 1) Diäthylbenzylammoniumjodid (B. 10, 314). — II, 520.
- C<sub>15</sub>H<sub>21</sub>N<sub>2</sub>Hg** 1) Quecksilberid[6-Dimethylamido-3-Methylphenyl]. Sm. 60° (G. 28 [2] 105). — IV, 1711.
- C<sub>15</sub>H<sub>21</sub>ClP** 1) Diäthylbenzylphosphoniumchlorid. 2 + PtCl<sub>4</sub> (Soc. 53, 724). — IV, 1664.
- C<sub>15</sub>H<sub>21</sub>ON** C 79,7 — H 9,2 — O 5,9 — N 5,2 — M. G. 271.
- 1) Methylether d. 1-2-Oxybenzylidenfenchylamin. Sm. 56° (A. 276, 321). — IV, 59.
- 2) Methylether d. 1-4-Oxybenzylidenfenchylamin. Sm. 54—55° (A. 276, 321). — IV, 59.
- 3) Acetylphenylfenchylamin. Sd. 190—193° (Soc. 73, 277).
- C<sub>15</sub>H<sub>21</sub>ON<sub>3</sub>** C 72,2 — H 8,4 — O 5,3 — N 14,0 — M. G. 299.
- 1) 2-Keto-3,3-Di[1-Piperidyl]-2,3-Dihydroindol (Dipiperidylisatin) (B. 24, 1367). — IV, 16.
- C<sub>15</sub>H<sub>21</sub>O<sub>6</sub>N<sub>3</sub>** C 65,3 — H 7,5 — O 14,5 — N 12,7 — M. G. 331.
- 1) o-Toluulazooxycamphorcarbamidsäure. Na. Ag. — IV, 1473.
- C<sub>15</sub>H<sub>21</sub>O<sub>5</sub>N** C 64,5 — H 7,4 — O 23,9 — N 4,2 — M. G. 335.
- 1) 4-Methylphenylmonamid d.  $\gamma$ -Acetoxyl- $\beta\delta$ -Dimethylpentan- $\beta\delta$ -Dicarbonsäure. Sm. 157—159° (C. 1898 [2] 885).
- C<sub>15</sub>H<sub>21</sub>O<sub>6</sub>N** C 61,6 — H 7,1 — O 27,3 — N 4,0 — M. G. 351.
- 1) Triäthylester d.  $\beta$ -Phenylamidopropan- $\alpha\gamma$ -Tricarbonsäure. Fl. HCl (J. pr. [2] 58, 414).
- C<sub>15</sub>H<sub>20</sub>OCl<sub>4</sub>** 1) Tetrachlorhydrocarnotin (A. 117, 211). — III, 626.
- C<sub>15</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>** C 71,5 — H 8,6 — O 10,6 — N 9,3 — M. G. 302.
- 1) 2,5-Dimethylhexahydro-1,4-Diazin + 2 Molec. Phenol. Sm. 86° (Bl. [3] 19, 619).
- 2) Aethylester d.  $\gamma$ -Phenylhydrazon- $\beta$ -Methyl- $\beta$ -Okten- $\gamma$ -Carbonsäure. Sm. 93°; Sm. 235—240° (Bl. [3] 17, 751).
- C<sub>15</sub>H<sub>20</sub>O<sub>6</sub>N** 1) Senecionin = (C<sub>15</sub>H<sub>20</sub>O<sub>6</sub>N)<sub>2</sub> (Bl. [3] 13, 942). — III, 931.
- C<sub>15</sub>H<sub>20</sub>O<sub>6</sub>N<sub>2</sub>** C 54,2 — H 6,6 — O 32,2 — N 7,0 — M. G. 398.
- 1) Tetraäthylester d. 3,6-Diamido- $\beta$ -Dihydrobenzol-1,2,4,5-Tetracarbonsäure. Sm. 213° (A. 258, 274). — II, 2070.
- C<sub>15</sub>H<sub>20</sub>O<sub>6</sub>Cl<sub>2</sub>** 1) Diacetat d. Dichlorhexaoxydihydrobenzoltetraäthyläther (Dichlor-diäthoxychinondiäthylacetylesteral). Sm. 120—121° (Am. 20, 422).
- C<sub>15</sub>H<sub>20</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) Aethylendiäthylidiphenyldiammoniumchlorid. 2 + PtCl<sub>4</sub> (J. 1859, 389). — II, 344.
- 2) Tetramethyläthylidiphenyldiammoniumchlorid. 2 + 3HgCl<sub>2</sub>, + PtCl<sub>4</sub> (A. 224, 348). — II, 343.

- $C_{18}H_{26}N_4Br_2$  1) Tetramethyläthylendiphenyldiammoniumbromid (*A. 224*, 346). — *II*, 344.  
 $C_{18}H_{26}N_4J_2$  1) Aethylendialäthylidiphenyldiammoniumjodid. Sm. 70° (*J. 1859*, 389). — *II*, 344.  
 2) Tetramethyläthylendiphenyldiammoniumjodid (*A. 224*, 350). — *II*, 344.  
 3) Dijodmethyletat d. 2,4'-Di[Dimethylamido]biphenyl. Sm. 196° (*B. 22*, 3017). — *IV*, 959.  
 $C_{18}H_{26}N_4J_2$  1) Di[Jodmethyletat] d. 3,3'-Di[Dimethylamido]azobenzol. Sm. 230° u. Zers. (*B. 30*, 2939). — *IV*, 1361.  
 $C_{18}H_{26}Br_2P_2$  1) Tetramethyläthylendiphenyldiphosphoniumbromid. Sm. oberh. 300° (*B. 15*, 199). — *IV*, 1656.  
 $C_{18}H_{26}Br_2P_2$  1) Tetramethyläthylendiphenyldiphosphoniumhexabromid. Sm. 171° (*B. 15*, 200). — *IV*, 1656.  
 $C_{18}H_{27}OCl$  1) Chlormethylpentääthylphenylketon. Sm. 104° (*B. 30*, 579).  
 $C_{18}H_{27}OBr$  1) Brommethylpentääthylphenylketon. Sm. 86° (*B. 30*, 1714).  
 $C_{18}H_{27}OBBr_3$  1) Tribromhydrocarotin (*A. 117*, 212). — *III*, 626.  
 $C_{18}H_{27}O_2N$  C 74,7 — H 9,3 — O 11,1 — N 4,8 — M. G. 289.  
 1) Menthylester d. 2-Methylphenylamidoameisensäure (*Ph. Ch. 14*, 397). — *III*, 467.  
 2) Menthylester d. 3-Methylphenylamidoameisensäure (*Ph. Ch. 14*, 397). — *III*, 467.  
 3) Menthylester d. 4-Methylphenylamidoameisensäure (*Ph. Ch. 14*, 397). — *III*, 467.  
 $C_{18}H_{27}O_4N$  C 67,3 — H 8,4 — O 19,9 — N 4,4 — M. G. 321.  
 1) Verbindung (Säure aus Cholesterin). K, Cu, Ag (*M. 15*, 110). — *II*, 1074.  
 $C_{18}H_{27}O_4Br$  1) Hexaglycerinbromhydrin (*A. 101*, 73). — *I*, 315.  
 $C_{18}H_{27}O_4Cl$  1) Pentaäthylester d.  $\alpha$ -Chlorpropan- $\alpha\beta\gamma$ -Pentacarbonsäure (*B. 21*, 2115). — *I*, 870.  
 $C_{18}H_{27}O_4N$  C 44,9 — H 5,6 — O 46,6 — N 2,9 — M. G. 481.  
 1) Chondroitin (*B. 25* [2] 473). — *IV*, 1628.  
 $C_{18}H_{28}O_2N_2$  C 71,1 — H 9,2 — O 10,5 — N 9,2 — M. G. 304.  
 1) Tetramethyläthylendiphenyldiammoniumhydrat. Salze siehe (*A. 224*, 346). — *II*, 343.  
 $C_{18}H_{28}O_2N$  1) Capsaicin. Sm. 63—63,5° (*C. 1899* [1] 293).  
 $C_{18}H_{28}O_2N_2$  C 54,0 — H 7,0 — O 32,0 — N 7,0 — M. G. 400.  
 1) Tetraäthylester d.  $\alpha\beta\gamma$ -Aethylendi[amidoäthen- $\alpha\alpha$ -Dicarbonsäure]. Sm. 126° (*B. 28*, 823).  
 $C_{18}H_{28}O_3N_4$  C 50,4 — H 6,5 — O 29,9 — N 13,1 — M. G. 428.  
 1) Orylsäure. Zn, Cu, Ag + 3H<sub>2</sub>O (*H. 22*, 260). — *IV*, 1641.  
 $C_{18}H_{28}O_4N_2$  C 50,0 — H 6,5 — O 37,0 — N 6,5 — M. G. 432.  
 1) 1,2-Diglykodiamidobenzol + 2H<sub>2</sub>O (*B. 20*, 2206). — *IV*, 565.  
 2) Phenylhydrazon d. Melibiose. Sm. 145° (*B. 23*, 1439). — *IV*, 794.  
 3) Phenylhydrazon d. Milchzucker (*B. 20*, 2575). — *IV*, 794.  
 $C_{18}H_{29}N_2$  1) Jodmethyletat d. Benzylborynamin (*A. 269*, 352). — *IV*, 56.  
 $C_{18}H_{29}N_4J_2$  1) Di[Jodmethyletat] d. 4,4'-Diamido-2,2'-(Dimethylamido)biphenyl (*B. 30*, 2942). — *IV*, 1275.  
 $C_{18}H_{29}ON$  C 78,5 — H 10,5 — O 5,8 — N 5,1 — M. G. 275.  
 1)  $\beta$ -Benzoylamidoundekan. Sm. 84° (*G. 24* [2] 279).  
 2) Phenylamid d. Laurinsäure (*J. pr.* [2] 52, 60).  
 3) Isoundekylamid d. Benzolcarbonsäure. Sm. 84° (*G. 24* [2] 279). — *II*, 1161.  
 $C_{18}H_{29}OJ$  1) Jodhydrocarotin (*A. 117*, 213).  
 $C_{18}H_{29}N_5S$  1) Verbindung (aus Benzylaminrhodanid). Sm. 164° (161—162°) (*Soc. 59*, 552; *E. 24*, 2727). — *II*, 527.  
 $C_{18}H_{30}O_2N_2$  C 70,6 — H 9,8 — O 10,4 — N 9,1 — M. G. 306.  
 1)  $\alpha\beta\gamma$ -Tetraäthylamidoisopropylester d. Benzolcarbonsäure. (2HCl, PtCl<sub>4</sub>) (*B. 17*, 511). — *II*, 1140.  
 2)  $\beta\gamma$ -Tetraäthylamido-norm. Propylester d. Benzolcarbonsäure. (2HCl, PtCl<sub>4</sub>) (*B. 17*, 511). — *II*, 1140.  
 $C_{18}H_{30}O_2Br_2$  1) Linolensäurehexabromid. Sm. 177° (*M. 8*, 268). — *I*, 537.  
 $C_{18}H_{30}O_4Cl_2$  1) Diäthyläther d. 3,6-Dichlor-2,5-Dioxy-1,4-Benzochinontetraäthyl-acetal. Sm. 101—102° (*Am. 17*, 633). — *III*, 351.  
 $C_{18}H_{30}O_4N_2$  C 46,4 — H 6,4 — O 41,2 — N 6,0 — M. G. 466.  
 1) Colloidin (*Bl. 22*, 100). — *IV*, 1631.

- $C_{18}H_{30}O_1S$  1) Stärkeschweifelsäure (A. 55, 13). — I, 1087.  
 $C_{18}H_{31}O_1N$  C 73,7 — H 10,6 — O 10,9 — N 4,8 — M. G. 293.
- $C_{18}H_{31}O_2N_3$  1) Hydroxylaminderivat d. Desoxyphoron. Sm. 133—134° (A. 298, 322).  
 $C_{18}H_{31}O_2N_3$  C 62,0 — H 8,9 — O 9,1 — N 20,0 — M. G. 349.
- $C_{18}H_{31}O_5N_5$  1) Diamylamidokaffein. Sm. 162° (B. 31, 1140).  
 $C_{18}H_{31}O_5N_5$  C 54,4 — H 7,8 — O 20,1 — N 17,6 — M. G. 397.
- $C_{18}H_{31}N_3S$  1) Amid d. Oxyhexinsäure. Sm. 214—215° (A. ch. [5] 20, 490).  
 $C_{18}H_{31}N_3S$  2) Amid d. Isooxyhexinsäure. Sm. 240° u. Zers. (A. ch. [5] 20, 492).  
 $C_{18}H_{31}N_3S$  3)  $\alpha$ -Phenylamido- $\beta$ -Isoundekylthioharnstoff.  $\alpha$ -Modif. Sm. 80°;  $\beta$ -Modif. Sm. 109° (G. 24 [2] 287). — IV, 678.
- $C_{18}H_{32}ON_2$  1) 6-Oxy-5-Isobutyl-2,4-Diisoamyl-1,3-Diazin. (2HCl, PtCl<sub>4</sub>) (J. pr. [2] 37, 410). — IV, 1135.
- $C_{18}H_{32}O_2Cl_4$  1) Tetrachlorstearinsäure. Sm. 124,5—125° (C. 1896 [1] 953).
- $C_{18}H_{32}O_2Br_2$  1) Dibromölsäure (A. 140, 56). — I, 526.
- $C_{18}H_{32}O_2Br_4$  1) Tetrabromstearinsäure. Sm. 32°. K (Bl. [3] 7, 233). — I, 536.
- $C_{18}H_{32}O_2Br_4$  2) Tetrabromstearinsäure (aus Leinölsäure) Fl. (J. r. 21, 214). — I, 489.
- $C_{18}H_{32}O_2Br_4$  3) Hanfölsäuretetabromid. Sm. 114—115° (M. 8, 149, 263). — I, 535.
- $C_{18}H_{32}O_2Br_4$  4) Taririnsäuretetabromid. Sm. 125° (138°) (Bl. [3] 7, 233; B. 27 [2] 20). — I, 536.
- $C_{18}H_{32}O_2Br_4$  5) Bromverbindung (d. Säure  $C_{18}H_{32}O_2$  aus Ricinelaidsäure). Sm. 80 bis 81° (M. 15, 311).
- $C_{18}H_{32}O_2J_2$  1) Stearolsäuredijodid. Sm. 50—51°. Ag (B. 24, 4116). — I, 527.
- $C_{18}H_{32}O_3Br_2$  1)  $\alpha$ -Dibrom- $\beta$ -Ketoheptadekan- $\alpha$ -Carbonsäure (Dibromketostearinsäure). Fl. (B. 28, 2249).
- 2) Dibromricinolsäure. Fl. (Z. 1867, 549). — I, 613.
- $C_{18}H_{32}O_3Br_4$  1) Ricinestearolsäuretetabromid (Z. 1867, 540). — I, 580.
- $C_{18}H_{32}O_4N_2$  1) Diethylster d. Aethylendi[ $\beta$ -Amido- $\alpha$ -Aethylcrotonsäure]. Sm. 106 bis 107° (Soc. 63, 1310).
- $C_{18}H_{32}O_6N_2$  1) C 53,5 — H 7,9 — O 31,7 — N 6,9 — M. G. 404.
- 1) Rhamnodiazin. Sm. 186° (B. 22, 304, 3247). — I, 290.
- $C_{18}H_{32}O_6Cl$  1) Chloröläidsäure. Sm. 12° (C. 1896 [1] 953).
- 2) Chlorelaidsäure. Sm. 26—27° (C. 1896 [1] 953).
- $C_{18}H_{32}O_6Br$  1) Bromöläidsäure (A. 140, 47). — I, 526.
- $C_{18}H_{32}O_6Br_3$  1) Tribromstearinsäure. Fl. (A. 140, 59). — I, 489.
- $C_{18}H_{32}O_6J$  1) Jodstearidensäure (B. 9, 1917). — I, 527.
- $C_{18}H_{32}O_6N_3$  C 63,5 — H 9,7 — O 14,2 — N 12,4 — M. G. 339.
- 1) Trisoamylester d. norm. Cyanursäure. Sd. oberh. 360° (J. pr. [2] 33, 131). — I, 1271.
- 2) Trisoamylester d. Isocyanursäure (B. 12, 1330).
- $C_{18}H_{32}O_6Cl$  1)  $\alpha$ -Chlor- $\beta$ -Ketoheptadekan- $\alpha$ -Carbonsäure (Chlorketostearinsäure). Sm. 64° (B. 28, 2248; 29, 806).
- $C_{18}H_{32}O_6Br$  1) Bromricinolsäure. Fl. NH<sub>4</sub>, K (Z. 1867, 546). — I, 613.
- 2) Bromricinolaidensäure. Fl. (Z. 1867, 549). — I, 613.
- 3)  $\alpha$ -Brom- $\beta$ -Ketoheptadekan- $\alpha$ -Carbonsäure (Bromketostearinsäure). Sm. 55° (B. 29, 806).
- $C_{18}H_{32}O_6Br_3$  1) Bromricinolsäuredibromid (Z. 1866, 545). — I, 580.
- $C_{18}H_{32}O_6N_4$  1)  $\beta$ [oder  $\gamma$ ]-Oximido-[oder  $\delta$ ]-Ketoheptadekan- $\alpha$ -Carbonsäure (Oximido-ketostearinsäure). Sm. 76—81° (B. 29, 812).
- 2)  $\alpha$ -Nonanylamido- $\alpha$ -Ketooktan- $\beta$ -Carbonsäure (Pelargylamidoazelainsäure) (B. 29, 813).
- $C_{18}H_{32}O_6N_4$  C 47,3 — H 7,2 — O 35,0 — N 10,5 — M. G. 457.
- 1) Verbindung (aus Blut) (B. 25 [2] 476).
- $C_{18}H_{32}N_3S_3$  1) Trisoamylester d. Trithiocyanursäure. Fl. (J. pr. [2] 33, 120). — I, 1285.
- $C_{18}H_{34}O_2Cl_2$  1) Dichlorstearinsäure (aus Oelsäure). Sm. 36—37° (C. 1896 [1] 953).
- 2) Dichlorstearinsäure (aus Elaidinsäure). Sm. 49—49,5° (C. 1896 [1] 953).
- 3) Dichlorstearinsäure. Sm. 32° (B. 23, 2531). — I, 476.
- $C_{18}H_{34}O_2Br_2$  1) Dibromstearinsäure (aus Elaidinsäure). Sm. 27°. Ba (J. 1864, 341; A. 140, 61). — I, 488.
- 2) Dibromstearinsäure (aus Oelsäure) (A. 140, 42). — I, 488.

- C<sub>18</sub>H<sub>34</sub>O<sub>2</sub>Br<sub>2</sub>** 3) Dibromstearinsäure (aus Isoölsäure). Fl. (J. pr. [2] 37, 275; [2] 50, 64). — I, 489.
- C<sub>18</sub>H<sub>34</sub>O<sub>2</sub>Br<sub>2</sub>** 1) Ricinölsäurebromid. Fl. (Z. 1867, 545). — I, 580.  
2) Ricinelaïdinsäurebromid. Fl. (Z. 1867, 548). — I, 580.
- C<sub>18</sub>H<sub>34</sub>O<sub>4</sub>N<sub>2</sub>** C 63,2 — H 9,9 — O 8,2 — N 18,7 — M. G. 342.  
1) *g*-Dioximidostearinsäure. Sm. 153—154° (B. 28, 277).
- C<sub>18</sub>H<sub>34</sub>O<sub>5</sub>S** 1) Ricinoschwefelsäure. Fl. (Bl. [3] 11, 281).
- C<sub>18</sub>H<sub>34</sub>O<sub>5</sub>ON** C 76,8 — H 12,4 — O 5,7 — N 5,0 — M. G. 281.  
1) Anhydroamidoステarinäure. — IV, 1587.  
2) Amid d. Oelsäure. Sm. 75° (78—81°) (J. 1855, 532; 1859, 368; B. 31, 2349). — I, 1250.  
3) Amid d. Elaidinsäure. Sm. 92—94° (J. 1855, 532; B. 31, 2349). — I, 1250.
- C<sub>18</sub>H<sub>34</sub>OCl** 1) Chlorid d. Stearinsäure. Sm. 23°; Sd. 215°<sub>15</sub> u. Zers. (B. 17, 1380). — I, 460.
- C<sub>18</sub>H<sub>34</sub>O<sub>2</sub>N** C 72,7 — H 11,8 — O 10,8 — N 4,7 — M. G. 297.  
1) Amid d. Ricinölsäure. Sm. 66° (A. ch. [3] 44, 96). — I, 1356.  
2) Amid d. Ricinelaïdinsäure. Sm. 91—92° (J. 1855, 533). — I, 1356.
- C<sub>18</sub>H<sub>34</sub>O<sub>2</sub>Cl** 1) Chlorstearinsäure. Sm. 38° (B. 23, 2532). — I, 476.
- C<sub>18</sub>H<sub>34</sub>O<sub>3</sub>Cl<sub>3</sub>** 1) Cetyläther d.  $\beta\beta\beta$ -Trichlor- $\alpha$ -Oxyäthan (Chloracetylalkoholat) (A. 157, 244). — I, 933.
- C<sub>18</sub>H<sub>34</sub>O<sub>2</sub>Br** 1)  $\alpha$ -Bromstearinsäure. Sm. 60° (41°) (J. 1863, 334; B. 23, 2523; 24, 2390, 25, 482). — I, 488.  
2) Aethylester d.  $\alpha$ -Brompalmitinsäure. Sd. 241,5°<sub>33</sub> (B. 24, 939). — I, 498.
- C<sub>18</sub>H<sub>34</sub>O<sub>2</sub>J** 1)  $\alpha$ -Jodstearinsäure. Fl. (J. pr. [2] 37, 276). — I, 491.  
2)  $\beta$ -Jodstearinsäure. Fl. (J. pr. [2] 34, 308; [2] 35, 384; J. r. 18, 45; M. 17, 310). — I, 492.  
3) isom. Jodstearinsäure (J. r. 21, 212). — I, 492.
- C<sub>18</sub>H<sub>36</sub>O<sub>3</sub>N** C 69,0 — H 11,2 — O 15,3 — N 4,4 — M. G. 313.  
1)  $\vartheta$ -Oximidohexadekan- $\alpha$ -Carbonsäure (Oximidostearinsäure). Sm. 75 bis 85° (B. 29, 808).  
2)  $\iota$ -Oximidohexadekan- $\alpha$ -Carbonsäure (B. 27, 174).
- C<sub>18</sub>H<sub>36</sub>O<sub>4</sub>N** C 65,7 — H 10,6 — O 19,5 — N 4,2 — M. G. 329.  
1)  $\delta$ -Oximidio- $\lambda$ -Oxyheptadekan- $\alpha$ -Carbonsäure (Ketoximoxystearinsäure). Fl. (B. 27, 3125).  
2) Nitrostearinsäure. Na, K, Sr, Cu (J. pr. [2] 43, 161; siehe auch Bl. 24, 449; J. pr. [2] 20, 161). — I, 498.
- C<sub>18</sub>H<sub>35</sub>O<sub>6</sub>P** 1) Diacetat d. Dicxydiönanthylunterphosphorige Säure. Sm. 94° (A. ch. [6] 23, 312). — I, 1505.
- C<sub>18</sub>H<sub>34</sub>NS** 1) Heptadekylsenföl. Sm. 32° (B. 21, 2490). — I, 1282.
- C<sub>18</sub>H<sub>36</sub>O<sub>2</sub>N<sub>2</sub>** C 69,2 — H 11,5 — O 10,3 — N 9,0 — M. G. 312.  
1) sym. Oktylonoxonylharnstoff. Sm. 97° (B. 15, 760). — I, 1304.
- C<sub>18</sub>H<sub>34</sub>O<sub>3</sub>N<sub>2</sub>** Sebacindil (imidoisobutyläther). 2HCl (Sm. 153° u. Zers.) (B. 26, 2841). C 65,9 — H 11,0 — O 14,6 — N 8,5 — M. G. 328.  
1) Cetylester d. Harnstoffcarbonsäure (C. d. Allophansäure). Sm. 70° (A. 244, 41). — I, 1306.
- C<sub>18</sub>H<sub>36</sub>O<sub>5</sub>S** 1) Oxystearoschweifelsäure (Bl. [3] 11, 285).
- C<sub>18</sub>H<sub>36</sub>O<sub>5</sub>S** 1)  $\beta$ -Oxyheptadekan- $\alpha$ -Carbonsäure- $\alpha$ -Sulfonsäure (Sulfooxystearinsäure). Na, K, Ba, Cu (J. pr. [2] 37, 74; M. 8, 212; J. r. 18, 90). — I, 904.
- C<sub>18</sub>H<sub>36</sub>O<sub>5</sub>S** 1) Dioxystearoschweifelsäure. Fl. (Bl. [3] 11, 282).
- C<sub>18</sub>H<sub>37</sub>ON** C 76,3 — H 13,1 — O 5,6 — N 4,9 — M. G. 283.  
1)  $\gamma$ -Oximidooctadekan. Sm. 44° (Bl. [3] 15, 766).  
2) Myristinimidoisobutyläther. HCl (Sm. 69—70°) (B. 26, 2841).  
3) Amid d. Stearinäure. Sm. 108,5—109° (107,5°); Sd. 250—251°<sub>15</sub>, (168 bis 169°) (J. 1859, 367; B. 15, 984, 1730; 21, 2186; 24, 2781; 26, 2840; 29, 1324; 31, 2349). — I, 1249.
- C<sub>18</sub>H<sub>37</sub>O<sub>2</sub>N** C 72,2 — H 12,4 — O 10,7 — N 4,7 — M. G. 299.  
1) Amidostearinsäure. Sm. 63°. — IV, 1587.
- C<sub>18</sub>H<sub>37</sub>NS<sub>2</sub>** 2)  $\alpha$ -Amidostearinsäure. Sm. 221—222° (B. 24, 2395). — I, 1205.  
1) Hexadekylamidothioameisensäure. Septedekylaminsalz (B. 21, 2489). — I, 1262.
- C<sub>18</sub>H<sub>37</sub>ON<sub>2</sub>** C 72,5 — H 12,7 — O 5,4 — N 9,4 — M. G. 298.  
1) Heptadekylharnstoff. Sm. 109° (B. 21, 2491). — I, 1300.

- $C_{18}H_{34}ON_2$  2) **Stearinamidoxim.** Sm. 106—106,5° (*B. 26*, 2845).  
 $C_{18}H_{34}N_2S$  1) **Heptadekylthioharnstoff.** Sm. 110—111° (*B. 21*, 2490). — I, 1321.  
 $C_{18}H_{34}N_2S_2$  1) **Verbindung** (aus Schwefelkohlenstoff u. Tetraisobutylamidomethan). Sm. 58° (*J. pr.* [2] 36, 124). — I, 1151.  
 $C_{18}H_{40}O_{11}N_6$  1) **Calycanthin** (*Am.* 11, 561). — III, 621.  
 $C_{18}H_{44}OSi_2$  1) **Siliciumtripropyloxyd.** Sd. 280—290° (*A. 222*, 369). — I, 1520.  
 $C_{18}H_{44}O_2Si_2$  1) **Hexapropylester d. Dikieselsäure.** Sd. 195°<sub>20</sub> (*G. 27* [2] 445; *Ph. Ch.* 26, 358).  
 $C_{18}H_{44}N_4Cl_4$  1) **Pentaäthylentetraäthyltetrammoniumchlorid.** 2 + PtCl<sub>4</sub> (*J. 1861*, 521). — I, 1166.  
 $C_{18}H_{45}N_4Br_4$  1) **Pentaäthylentetraäthyltetrammoniumbromid** (*J. 1861*, 521). — I, 1166.  
 $C_{18}H_{45}Cl_2As_2$  1) **Hexapropyldiarsoniumdichlorid.** + 2HgCl<sub>2</sub>, + PtCl<sub>4</sub> (*B. 31*, 597).  
2) **Hexaisopropyldiarsoniumdichlorid.** + 2HgCl<sub>2</sub>, + PtCl<sub>4</sub> (*B. 31*, 597).  
 $C_{18}H_{45}J_2As_2$  1) **Hexapropyldiarsoniumdijodid.** Sm. 150° u. Zers. + 2HgCl<sub>2</sub>, + 2HgJ<sub>2</sub> (*B. 31*, 597).  
2) **Hexaisopropyldiarsoniumdijodid.** Sm. 150° u. Zers. + 2HgJ<sub>2</sub> (*B. 31*, 597).  
 $C_{18}H_{44}O_2As_2$  1) **Hexapropyldiarsoniumdihydrat.** Salze, siehe diese (*B. 31*, 597).

### $C_{18}$ -Gruppe mit vier Elementen.

- $C_{18}H_8O_2N_6Br_{10}$  1) **1,2,3,5-Tetrabrom-4,6-Dinitrobenzol + 2 Molec. s-Tribromdi-nitrobenzol.** Sm. 165° (*B. 21*, 1707). — II, 89.  
 $C_{18}H_8O_4Cl_2Br_{11}$  1) **Trichlorxanthogallol.** Sm. 104° (*A. 245*, 343). — II, 1014.  
 $C_{18}H_8O_4N_4Br_8$  1) **Hexabromdinitrotriphenylasophenylen** (*M. 8*, 481). — II, 338.  
 $C_{18}H_8O_4N_3Br_3$  1) **Tribromdinitrochrysene** (*B. 12*, 1894). — II, 292.  
 $C_{18}H_8O_4N_3Br_{11}$  1) **Bromdichromazin** (*B. 10*, 1138). — II, 725.  
 $C_{18}H_8O_4N_3Cl$  1) **2-Nitro-1-[4-Chlor-2-Nitrophenylazo]-4-[2,4,6-Nitrosodinitrophenylazo]benzol?** Sm. 189—190° (*J. pr.* [2] 43, 495). — IV, 1371.  
 $C_{18}H_8O_4N_3Cl$  1) **2-Nitro-1-[3-Chlor-2-Nitrophenylazo]-4-[2,4,6-Trinitrophenylazo]benzol?** Zers. bei 157° (*J. pr.* [2] 44, 464). — IV, 1371.  
 $C_{18}H_8O_4N_3Cl_2$  1) **Monacetat d. Verb.**  $C_{18}H_8O_4N_3Cl_2$  (*A. 236*, 55). — IV, 1059.  
 $C_{18}H_8O_4N_3Cl_2$  1) **2-Nitroso-1-[4-Chlorphenylazo]-4-[2,4,6-Dinitrosonitrophenylazo]benzol?** Zers. bei 146—147° (*J. pr.* [2] 43, 494). — IV, 1371.  
 $C_{18}H_8O_4N_3Cl_1$  1) **2-Nitroso-1-[3-Chlorphenylazo]-4-[2,4,6-Nitrosodinitrophenylazo]benzol?** Zers. bei 225—226° (*J. pr.* [2] 44, 464). — IV, 1371.  
 $C_{18}H_8O_4N_3Cl_1$  1) **2-Nitroso-1-[4-Chlorphenylazo]-4-[2,4,6-Trinitrophenylazo]benzol?** Sm. 202—203° u. Zers. (*J. pr.* [2] 43, 493). — IV, 1371.  
2) **2-Nitro-1-[4-Chlorphenylazo]-4-[2,4,6-Nitrosodinitrophenylazo]benzol?** Sm. 217—218° u. Zers. (*J. pr.* [2] 43, 494). — IV, 1371.  
 $C_{18}H_8O_4N_3Cl_1$  1) **2-Nitro-1-[3-Chlorphenylazo]-4-[2,4,6-Trinitrophenylazo]benzol?** Zers. bei 91° (*J. pr.* [2] 44, 464). — IV, 1371.  
 $C_{18}H_{10}O_2NCl$  1) **Verbindung** (aus d. Nitril d. Diphenylketipinsäure). Sm. 161—162° (*A. 282*, 59). — II, 2632.  
 $C_{18}H_8ON_3Cl_1$  1) **Chloroposafranon** (*B. 31*, 302). — IV, 1001.  
 $C_{18}H_8O_2N_3Cl$  1) **Chloroxyphenylphenazon.** Sm. 270—272° u. Zers. (*B. 24*, 589). — IV, 1004.  
 $C_{18}H_{11}O_3NS$  1) **1-[1,2-Biphenyl]amidonaphthalin-4-Sulfonsäure.** K + 3H<sub>2</sub>O (*A. 248*, 157). — II, 1806.  
 $C_{18}H_{11}O_6N_2Br$  1) **Diphenyläther d. 2-Brom-4,6-Dinitro-1,3-Dioxybenzol.** Sm. 165° (*Am.* 13, 178). — II, 927.  
 $C_{18}H_{11}O_7N_2Cl_1$  1) **3'-[3-Chlorphenyl]hydrazido-2,4,6,4'-Nitrosotrinito-s-Diphenylhydrazin.** Zers. bei 169—170° (*J. pr.* [2] 44, 462). — IV, 1500.  
2) **4-[4-Chlorphenyl]hydrazido-2,2',4,6'-Nitrosotrinitroazobenzol.** Sm. 110—112° u. Zers. (*J. pr.* [2] 43, 493). — IV, 1359.  
 $C_{18}H_{11}O_7N_2Cl_1$  1) **3'-[3-Chlorphenyl]hydrazido-2,4,6,4'-Tetranitro-s-Diphenylhydrazin.** Zers. bei 205—206° (*J. pr.* [2] 44, 463). — IV, 1500.  
2) **4-[4-Chlorphenyl]hydrazido-2,2',4,6'-Tetranitroazobenzol.** Zers. bei 117—119° (*J. pr.* [2] 43, 493). — IV, 1359.  
 $C_{18}H_{11}ON_2Cl_2$  1) **10-Phenoxyhydrat d. 2,8-Dichlor-5,10-Naphthiazin** (Dichlor-phenylphenazoniumhydrat). Chlorid + AuCl<sub>3</sub>, Nitrat (*B. 31*, 301). — IV, 1601.

- $C_{15}H_{12}ON_2S$  1) Carbonylphenyl- $\beta$ -Naphthylpseudothiophenstoff. Sm. 117° (B. 25, 1467). — II, 619.  
 2) 2-Thiocarbonyl-5-Phenyl-3-[1-Naphthyl]-2,3-Dihydro-1,3,4-Oxadiazol. Sm. 164° (B. 24, 4186). — IV, 927.  
 3) Benzoyl-1-Naphthylthiocarbazin. Sm. 175—176° (B. 24, 4188). — IV, 928.
- $C_{15}H_{12}ON_2Cl$  1) 5-Chlor-6-Acetylamido- $\alpha\beta$ -Naphthophenazin. Sm. 292° (B. 31, 2407).
- $C_{15}H_{12}O_2N_2Cl_2$  1) 3,6-Dichlor-2,5-Di[Phenylamido]-1,4-Benzochinon. Sm. 287—290° (J. 1863, 415; A. 114, 306; 210, 187; 228, 333; J. pr. [2] 24, 431; [2] 28, 423, 427; Am. 17, 597). — III, 343.
- $C_{15}H_{12}O_2N_2Br_2$  1) 3,6-Dibrom-2,5-Di[Phenylamido]-1,4-Benzochinon (A. Spl. 8, 22). — III, 353.
- $C_{15}H_{12}O_2N_2S$  1) 2-Phenylsulfon-5,10-Naphthodiazin (2-Phenylsulfonphenazin). Sm. 244° (B. 29, 2021). — IV, 1001.
- $C_{15}H_{12}O_2N_2Cl$  1) Säure (aus  $\alpha$ -Diphenylketipinsäurenitril). Ba + 10H<sub>2</sub>O (A. 282, 61). — II, 2032.
- $C_{15}H_{12}O_2N_2S$  1) 2,3'-Bichinolyl- $\beta$ -Sulfonsäure. K<sub>2</sub>, Cu (M. 7, 323). — IV, 1067.  
 2) 2,3'-Bichinolyl- $\beta$ -Sulfonsäure. K + 2H<sub>2</sub>O, Cu + 2H<sub>2</sub>O (M. 7, 309). — IV, 1067.  
 3) 2,5'-Bichinolyl- $\beta$ -Sulfonsäure (M. 8, 143). — IV, 1068.
- $C_{15}H_{12}O_2Cl_2P$  1) Phosphorigsäuretri-4-Chlorphenylester. Sm. 49°; Sd. 290—297° (B. 31, 1053).
- $C_{15}H_{12}O_2N_2Br_2$  1) Aethylbromisatoïd. Sm. 244—245° u. Zers. (B. 15, 2095). — II, 1606.
- $C_{15}H_{12}O_2Cl_2P$  1) Tri[4-Chlorphenylester] d. Phosphorsäure. Sm. 99—100° (B. 30, 2375; H. 25, 446).
- $C_{15}H_{12}O_2N_2Br_2S$  1) Dibromderivat d. Säure  $C_{15}H_{14}O_4S$  (B. 18, 3244). — II, 1638.
- $C_{15}H_{12}O_2Br_2P$  1) Tri[4-Bromphenyl]phosphorsäure (A. 143, 194). — II, 672.
- $C_{15}H_{12}O_2N_2S$  1) Phenosafranol-4-Sulfonsäure (N-4-Sulfophenylsafranol) (B. 31, 1185). — IV, 1003.
- $C_{15}H_{12}O_2N_2S_2$  1) 2,3'-Bichinolyl- $\alpha$ -Disulfonsäure. K + 5H<sub>2</sub>O, Cu + 6H<sub>2</sub>O (M. 2, 504; 7, 317). — IV, 1067.  
 2) 2,7'-Bichinolyl- $\beta$ -Disulfonsäure. K<sub>2</sub> + 3H<sub>2</sub>O (B. 19, 2473). — IV, 1069.  
 3) 6,6'-Bichinolyl- $\beta$ -Disulfonsäure. Na<sub>2</sub> + 5H<sub>2</sub>O (B. 17, 1818). — IV, 1070.  
 4) 6,6'-Bichinolyl- $\beta$ -Disulfonsäure. K + H<sub>2</sub>O (B. 27, 2449). — IV, 1070.  
 5) 6,7'-Bichinolyl- $\beta$ -Disulfonsäure. Sm. noch nicht bei 300°. Ba + 3H<sub>2</sub>O (M. 6, 554). — IV, 1070.
- $C_{15}H_{12}O_2N_2Cl_4$  1) Verbindung (aus Tetrachlor-1,4-Benzochinon u. 2 Molec. 3-Nitro-1-Amidobenzol) (A. 228, 326). — III, 336.
- $C_{15}H_{12}O_2N_2Cl$  1) 2,4-Dinitrobenzolazo-3-Chlornitrodiphenylhydrazin. Zers. bei 127—128° (J. pr. [2] 44, 465). — IV, 1499.
- $C_{15}H_{12}O_2N_2P$  1) Tri[2-Nitrophenyl]phosphinoxyd. Sm. 66—68° (A. 229, 326). — IV, 1659.  
 2) Tri[4-Nitrophenyl]phosphinoxyd. Sm. 242° (A. 229, 325). — IV, 1659.
- $C_{15}H_{12}O_2N_2As$  1) Tri[2-Nitrophenyl]arsinoxyd. Sm. 254° (B. 19, 1033). — IV, 1689.
- $C_{15}H_{12}O_2N_2S$  1) 1-Phenylazo-4-Oxynaphthalin-1<sup>1</sup>,3-Dicarbonsäure-1<sup>1</sup>-Sulfonsäure (B. 11, 2199). — IV, 1473.
- $C_{15}H_{12}O_2N_2S_2$  1) 7[oder 8]-Oxy-7,8[oder 8,8]-Dichinolyläther-5,5'-Disulfonsäure. Ba + 9H<sub>2</sub>O, bas. Ba + xH<sub>2</sub>O (J. pr. [2] 55, 476). — IV, 299.
- $C_{15}H_{12}O_2N_2Br_2$  1) Verbindung (aus Benzol u. 2 Molec. 2-Brom-1,3-Diurobenzol). Sm. 65° (A. 197, 259).
- $C_{15}H_{12}O_2N_2P$  1) Tri[2-Nitrophenylester] d. Phosphorsäure. Sm. 126° (Z. 1870, 230). — II, 680.  
 2) Tri[4-Nitrophenylester] d. Phosphorsäure. Sm. 155° (148°) (Z. 1870, 230; A. 224, 162). — II, 683.
- $C_{15}H_{12}ONBr_2$  1) Dibromoxyconein. Fl. (2HCl, PtCl<sub>4</sub>) (B. 18, 124). — IV, 37.
- $C_{15}H_{12}ON_2S$  1) 5-Phenylamido-2-Keto-3-[1-Naphthyl]-2,3-Dihydro-1,3,4-Thiodiazol. Sm. 219° (B. 24, 4191). — IV, 927.  
 2) 5-Phenylamido-2-Keto-3-[2-Naphthyl]-2,3-Dihydro-1,3,4-Thiodiazol. Sm. 198—199° (B. 24, 4181). — IV, 929.

- $C_{18}H_{13}O_2NCl_2$  1) Acetat d. 2,4-Dichlor-1-Phenylamido-3-Oxynaphthalin. Sm. 164° (B. 21, 3546). — III, 171.
- $C_{18}H_{13}O_2N_2Cl$  1) 6-Chlor-5-Phenylamido-2-Oxy-1,4-Benzochinonphenylimid. Sm. bei 240° u. Zers. (B. 23, 900). — III, 348.
- 2) 3-Chlor-2,5-Di[Phenylamido]-1,4-Benzochinon. Sm. 262° (A. 228, 336; B. 23, 899). — III, 341.
- 3) P-Chlor-P-Di[Phenylamido]-1,4-Benzochinon (J. pr. [2] 28, 431). — III, 341.
- 4) P-Chlor-P-Di[Phenylamido]-1,4-Benzochinon (B. 10, 1793; A. 210, 181). — III, 340.
- 5) Acetat d. 2-Oxy-1-[4-Chlorphenylazo]naphthalin. Sm. 133° (Soc. 63, 933). — IV, 1429.
- $C_{18}H_{13}O_2N_3S$  1)  $\beta$ -Phenylenpyridinketonphenylhydrazonsulfonsäure. Zers. bei 295° (B. 22, 410). — IV, 388.
- $C_{18}H_{13}O_2N_4Br$  1) 6-Brom-2,4-Dinitro-1,3-Di[Phenylamido]benzol. Sm. 191—192° (B. 28, 191; Am. 18, 242). — IV, 572.
- $C_{18}H_{13}O_2N_4Cl_2$  1) Verbindung (aus 2,3,5-Trichlor-1,4-Benzochinon u. 2 Molec. 3-Nitro-1-Amidobenzol) (A. 228, 325). — III, 334.
- $C_{18}H_{15}O_2N_4Cl_2$  1) Diacetat d.  $\beta\beta\beta$ -Trichlor- $\alpha\alpha$ -Di[3-Nitro-4-Oxyphenyl]äthan. Sm. 197° (J. pr. [2] 47, 62). — II, 995.
- $C_{18}H_{14}ON_2Cl_2$  1) 3,4-Dichlor-5-[4-Methylphenyl]imido-2-Keto-1-[4-Methylphenyl]-2,5-Dihydropyrrol (Dichlormalcedindi-p-Toluil). Sm. 161° (A. 295, 52).
- $C_{18}H_{14}ON_2S$  1)  $\alpha$ -[1-Naphtyl]- $\beta$ -Benzoylthioharnstoff. Sm. 172—173° (A. ch. [5] 11, 326). — II, 1172.
- $C_{18}H_{14}O_2N_2Cl_2$  1) P-Dichlor-P-Di[Phenylamido]-1,4-Dioxybenzol (A. 210, 181). — II, 949.
- 2) 3,6-Dichlor-2,5-Diketo-1,4-Di[2-Methylphenyl]-1,2,4,5-Tetrahydro-1,4-Diazin. Sm. 201° (J. pr. [2] 38, 310). — II, 471.
- 3) 3,6-Dichlor-2,5-Diketo-1-[2-Methylphenyl]-4-[4-Methylphenyl]-1,2,4,5-Tetrahydro-1,4-Diazin. Sm. 146° (J. pr. [2] 41, 86). — II, 506.
- $C_{18}H_{14}O_2N_2Br_4$  1) 2,5-Diketo-1,4-Di[ $\beta$ -Dibrom-2-Methylphenyl]hexahydro-1,4-Diazin. Sm. 277° (J. pr. [2] 38, 296). — II, 471.
- $C_{18}H_{14}O_4N_2S$  1) 4-[4-Oxyphenyl]azobiphenylsulfonsäure. Na, Ba (Soc. 49, 381). — IV, 1415.
- $C_{18}H_{14}O_5N_2S$  1) 4-[2,4-Dioxyphephenyl]azobiphenyl-P-Sulfonsäure. Na, Ba (Soc. 49, 382). — IV, 1446.
- 2) 2',5'-Dioxy-4-Phenylazobenzol-P-Sulfonsäure (Soc. 49, 382). — IV, 1447.
- $C_{18}H_{14}O_6N_2S$  1) Sulfonsäure d. Monamid d. s-Diphenylketipinsäuremononitril. Na + 2H<sub>2</sub>O, Ba + 3H<sub>2</sub>O (A. 282, 47). — II, 2032.
- $C_{18}H_{14}O_6N_2S_2$  1) 4-Phenylazobenzol-P-Disulfonsäure. K<sub>2</sub> + 1 $\frac{1}{2}$ H<sub>2</sub>O, Ba (B. 21, 1565). — IV, 1402.
- $C_{18}H_{14}O_6N_4Cl_2$  1) Verbindung (aus 2,5-Dichlor-1,4-Benzochinon u. 2 Molec. 3-Nitro-1-Amidobenzol). Sm. 110° (A. 228, 325). — III, 333.
- 2) Verbindung (aus 2,6-Dichlor-1,4-Benzochinon u. 2 Molec. 3-Nitro-1-Amidobenzol). Sm. 112° (A. 228, 325). — III, 334.
- $C_{18}H_{14}O_7N_2S$  1)  $\beta$ -Naphtholsulfonazoanissäure. Ba + 8H<sub>2</sub>O (B. 14, 2039). — IV, 1471.
- $C_{18}H_{14}O_8N_2S_4$  1) Verbindung (aus 2,5,6-Trioxyphephenyl-1,3-Disulfid u. m-Nitranilin) (Bl. [3] 15, 419).
- $C_{18}H_{14}O_8N_2S_2$  1) 2-Naphthol-3,6-Disulfonsäureazooanissäure + 3H<sub>2</sub>O. K<sub>2</sub> + 6H<sub>2</sub>O (B. 14, 2040). — IV, 1471.
- $C_{18}H_{14}N_2Cl_2Hg$  1) Quecksilberdichinolylchlorid. + HgCl<sub>2</sub>, + PtCl<sub>4</sub> (G. 25 [1] 399).
- $C_{18}H_{15}ON_4Cl_2$  1) Verbindung (aus d. Di[4-Methylphenylamid] d. Weinsäure). Sm. 192 bis 192,5° (A. 279, 145).
- $C_{18}H_{15}ON_4Cl$  1) Verbindung (aus  $\alpha$ -Pentachlor-2-Keto-1-Methyl-P-Dihydro-R-Penten). Sm. 202° (A. 296, 191). — IV, 770.
- $C_{18}H_{15}OSP$  1) Phenylester d. Diphenylthiophosphinsäure. Sm. 124° (B. 18, 2114). — IV, 1657.
- $C_{18}H_{15}OS_3P$  1) Triphenyltrithiophosphorsäure. Sm. 72° (J. pr. [2] 10, 232). — II, 661.
- $C_{18}H_{15}OPSe$  1) Phenylester d. Diphenylselenophosphinsäure. Sm. 114—115° (B. 18, 2115). — IV, 1657.

- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>NBr<sub>2</sub>** 1)  $\alpha\beta$ -Dibrom- $\alpha$ -[3-Methoxy-4-Oxyphenyl]- $\beta$ -Chinolyl[2]äthan (Vanilloäthlenchinolinbromid). Zers. bei 20°C (B. 27, 1976). — IV, 455.
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>NS** 1) Diphenylamid d. Benzolsulfonsäure. Sm. 124° (A. 214, 220). — II, 425.
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) 2-Chlor-3,6-Di[Phenylamido]-1,4-Dioxybenzol. Zers. bei 220 bis 225° (A. 210, 182). — II, 948.  
2) 4-Methylphenylimid d. Chlor-[4-Methylphenyl]amidofumarsäure. Sm. 195—196° (A. 279, 145).
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>N<sub>2</sub>S** 1) 4-Phenylsulfonamidoazobenzol. Sm. 133° (A. 272, 230). — IV, 1359.
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>SP** 1) Diphenylester d. Phenylthiophosphinsäure. Fl. (B. 9, 1054). — IV, 1653.
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>N<sub>2</sub>S** 1) 4-Phenylamidoazobenzol-4'-Sulfonsäure. K, Anilinsalz (B. 12, 262; Soc. 51, 192). — IV, 1369.
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>Cl<sub>2</sub>P** 1) Dichlorid d. Triphenylphosphorsäure. Fl. (A. 253, 112). — II, 660.
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>Br<sub>2</sub>P** 1) Triphenylphosphorbrimid (A. 218, 105). — II, 659.
- C<sub>18</sub>H<sub>15</sub>O<sub>3</sub>SP** 1) Triphenylester d. Thiophosphorsäure. Sm. 53° (49°); Sd. 245° (J. pr. [2] 10, 233; B. 18, 1718; 31, 1100; A. 253, 118). — II, 661.
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>NS<sub>2</sub>** 1) Phenylamid d. Diphenylsulfon-3-Sulfonsäure. Sm. 130—131° (B. 19, 2420). — II, 814.
- C<sub>18</sub>H<sub>15</sub>O<sub>4</sub>N<sub>3</sub>S** 1) Phenylamid d. 2-Nitro-1-Phenylamidobenzol-4-Sulfonsäure. Sm. 157° (B. 24, 3794). — II, 576.  
2) Phenylamid d. 4-Nitro-1-Phenylamidobenzol-2-Sulfonsäure. Sm. 164° (B. 24, 3799). — II, 577.
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>NS** 1) Diacetat d. N-Acetyl-Dioxothiolidiphenylamin. Sm. 155—156° (A. 230, 194). — II, 812.
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>NS<sub>2</sub>** 1)  $\beta$ -Diphenylsulfon-2-Amido-1-Oxybenzol. Sm. 115° (B. 29, 2029).
- C<sub>18</sub>H<sub>15</sub>O<sub>6</sub>NS<sub>2</sub>** 1) Verbindung (aus 2,5,6-Trioxypyrenen-1,3-Disulfid u. Anilin) (Bd. [3] 15, 420).
- C<sub>18</sub>H<sub>15</sub>O<sub>6</sub>N<sub>2</sub>Bi** 1) Phenylid[ $\beta$ -Nitrophenyl]wismuthdihydroxyd. Chlorid, Nitrat (B. 30, 2845).
- C<sub>18</sub>H<sub>15</sub>O<sub>6</sub>N<sub>4</sub>Cl** 1) Verbindung (aus 2-Chlor-1,4-Benzochinon u. 2 Molee. 3-Nitro-1-Amidobenzol) (A. 228, 324). — III, 332.
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>NS<sub>3</sub>** 1) Tribenzenulfhydroxylamid. Sm. 99° (A. 141, 371; B. 11, 618, 1590; 29, 1563). — II, 109.
- C<sub>18</sub>H<sub>15</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Triphenylamin- $\beta$ -Triasulfonsäure. Na<sub>2</sub> (B. 23, 2541). — II, 577.
- C<sub>18</sub>H<sub>16</sub>ONCl** 1) 1-Oximido-2-( $\alpha$ -Chlor- $\gamma$ -Phenylpropenyl)-2,3-Dihydroinden. Sm. 163—164° u. Zers. (Soc. 65, 488). — III, 253.
- C<sub>18</sub>H<sub>16</sub>ONBr<sub>3</sub>** 1) Verbindung (aus Dibrompseudocumenolbromid u. Chinolin). Sm. 226° (B. 29, 1122). — IV, 250.
- C<sub>18</sub>H<sub>16</sub>ONJ** 1) Jodmethylat d. 8-Benzoyl-2-Methylchinolin. Sm. 220° (A. 242, 325). — IV, 375.
- C<sub>18</sub>H<sub>16</sub>ON<sub>2</sub>Cl<sub>2</sub>** 1) 4,4-Dichlor-5-Phenylimido-2-Keto-3,3-Dimethyl-1-Phenyltetrahydropyrrrol (uns-Dimethylidichlorsuccindianil). Sm. 129° (A. 295, 71).
- C<sub>18</sub>H<sub>16</sub>ON<sub>2</sub>S** 1) Benzyläther d.  $\alpha$ -Oxy- $\beta$ -(1-Naphthyl)thioharnstoff. Sm. 132—133° (B. 24, 384). — II, 610.  
2) 2-Phenylimido-4-Keto-3-Aethyl-5-Benzylidene-tetrahydrothiazol (Benzylidenäthylphenylthiohydantoin). Sm. 97° (B. 31, 137; C. 1899 [2] 805).  
3) Verbindung (aus Thionylamidobenzol u. Diphenylamin) (A. 274, 208). — II, 355.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>NCl** 1) Benzoat d. 4-Oxy-2-Methylchinolin-1-Chlormethylat. Sm. 160 bis 161° (u. 112°) (B. 30, 927). — IV, 311.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>NJ** 1) Jodmethylat d. 2-Phenylchinolin-4-Carbonsäuremethylbetaïn. Sm. 160—165° u. Zers. (A. 276, 286). — IV, 445.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>NP** 1) Phenylmonamid d. Phenylthiophosphinsäuremonophenylester. Sm. 83°; Sd. 235° (A. 293, 218). — IV, 1651.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>** 1) Dibrommethylphenylaminfumarid. Sm. 206—207° u. Zers. (G. 16, 25). — II, 416.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>S** 1) 4-Amido-4'-Phenylsulfonamidobiphenyl. Sm. 160—161° (A. 272, 231). — IV, 966.  
2) Phenylsulfonhydrazobenzol. Sm. 107° (B. 30, 2555). — IV, 1348.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>Hg** 1) Quecksilberdichinolinolyoxydhydrat. Salze, siehe diese u. HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, Oxalat (G. 25 [1] 394).

- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>Hg<sub>2</sub>** 1) 3-Quecksilberdi-1-Toluolen-4-Tetramethylmerkuridiammoniumhydrat. Sm. 117°. Chlorid, Bromid, Jodid, Nitrat, Acetat (C. 1898 [2] 546).
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>NCI** 1) Chlormethylat d. 6-Methoxyl-2-Phenylchinolin-4-Carbonsäure. Sm. 195° (A. 282, 86). — IV, 447.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>NBr** 1) Brombenzylat d. Chininsäure. Sm. 148° u. Zers. (A. 276, 278). — IV, 362.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>NJ** 1) Jodmethylat d. 6-Methoxyl-2-Phenylchinolin-4-Carbonsäure. Sm. 216° (A. 282, 85). — IV, 447.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>NP** 1) Phenylamid d. Phosphorsäurediphenylester. Sm. 129° (B. 8, 1236; 27, 2573, 2575; 29, 720). — II, 660.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>S** 1) 2-Phenylimido-4-Keto-3-Phenyltetrahydrotiazol-5-[Aethyl-α-Carbonsäure] (Diphenylthiohydantoin-*a*-Propionsäure). Sm. 124° (M. 18, 75).
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>S** 1) m-Phenyldiamindisazobenzol-p-Benzolsulfonsäure. K (B. 16, 2032). — IV, 1372.  
2) Benzoldisazo-m-Phenyldiamin-p-Benzolsulfonsäure. K + 2H<sub>2</sub>O (B. 16, 2035). — IV, 1372.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) Di[2-Chlorphenylester] d. Hexahydro-1,4-Diazin-1,4-Dicarbon-säure. Sm. 165—172° (Bl. [3] 19, 765).
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>S** 1) 2-Oxy-1-[2,4-Dimethylphenylazo]naphthalin-1<sup>o</sup>-Sulfonsäure. Ba (B. 19, 139). — IV, 1437.  
2) 2-Oxy-1-[2,5-Dimethylphenylazo]naphthalin-1<sup>o</sup>-Sulfonsäure? Na, Ag. — IV, 1437.  
3) 3-Oxy-1-[2-Dimethylphenylazo]naphthalin-4-Sulfonsäure? (B. 17, 461). — IV, 1437.  
4) 4-Oxy-1-[2-Dimethylphenylazo]naphthalin-*p*-Sulfonsäure (J. 1881, 490). — IV, 1437.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub>** 1) 2,5-Diphenylsulfon-1,4-Diamidobenzol. Sm. 115° (B. 29, 2027).  
2) 1,2-Di[Phenylsulfonamido]benzol (1,2-Phenylenamid d. Benzolsulfonsäure). Sm. 186° (A. 287, 223). — IV, 561.  
3) 1,3-Di[Phenylsulfonamido]benzol. Sm. 194° (A. 287, 229). — IV, 577.  
4) 1,4-Di[Phenylsulfonamido]benzol. Sm. 247° (A. 285, 188). — IV, 594.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>ClJ** 1) Verbindung (aus α-Jod-β-Oxy-β-Phenylpropionsäure u. Zimtsäure). Sm. 110—115° u. Zers. (B. 19, 2464; A. 289, 282). — II, 1573.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>Cl<sub>2</sub>S<sub>2</sub>** 1) Chlorid d. Retendisulfonsäure. Sm. 175° (A. 185, 91). — II, 277.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub>** 1) 3-Aethylester d. 5-Keto-4-Phenylhydrazon-1-Phenyl-4,5-Dihydropsyrazol-3-Carbonsäure-1<sup>o</sup>,4<sup>o</sup>-Disulfonsäure (3-Ae. d. Tetratiazinsäure). Na<sub>2</sub>, Ba (A. 294, 236). — IV, 730.
- C<sub>18</sub>H<sub>16</sub>O<sub>2</sub>Cl<sub>2</sub>S<sub>2</sub>** 1) Säure (aus α-[4-Chlorphenyl]sulton-*a*-Oxypropionsäure). Sm. 153° (H. 16, 549).
- C<sub>18</sub>H<sub>17</sub>ON<sub>2</sub>P** 1) Di[Phenylamid] d. Phenylphosphinsäure. Sm. 211° (A. 293, 215). — IV, 1651.
- C<sub>18</sub>H<sub>17</sub>ON<sub>4</sub>Cl** 1) Verbindung (aus Pentachlorketomethylidihydro-R-Penten). Sm. 200° (A. 296, 170). — IV, 770.
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>NS** 1) Dimethylamidophenyl-1-Naphtylsulfon. Sm. 91° (B. 12, 1789). — II, 867.  
2) Dimethylamidophenyl-2-Naphtylsulfon (B. 12, 1790). — II, 887.
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) Chlormethylat d. 5 oder 6-Methyl-2-Furanyl-1-Furylbenzimidazol. 2 + PtCl<sub>4</sub> (B. 11, 1659). — IV, 620.  
2) Chloräthylat d. Phenylfurfuraldehydin. 2 + PtCl<sub>4</sub> (B. 11, 1656). — IV, 564.  
3) Benzoat d. 5-Oxy-3-Methyl-1-Phenylpyrazol-2-Chlormethylat (Antipyryinchlorbenzoylat). Sm. 129—130° (A. 293, 42). — IV, 513.
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) βββ-Trichloräthylidenamid d. Phenylessigsäure (B. 10, 1651). — II, 1312.
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>J** 1) Jodmethylat d. 5 oder 6-Methyl-2-Furanyl-1-Furylbenzimidazol. Sm. 195,5° u. Zers. + J<sub>2</sub> (Sm. 126—128°); + J<sub>4</sub> (Sm. 109°) (B. 11, 1658). — IV, 620.  
2) Jodäthylat d. Phenylfurfuraldehydin (B. 11, 1656). — IV, 564.  
3) Benzoat d. 5-Oxy-3-Methyl-1-Phenylpyrazol-2-Jodmethylat. Sm. 188° u. Zers. (J. pr. [2] 56, 151). — IV, 513.

- C<sub>18</sub>H<sub>17</sub>O<sub>5</sub>N<sub>2</sub>P** 1) Di[Phenylamid] d. Phosphorsäuremonophenylester. Sm. 165° (B. 29, 720).
- C<sub>18</sub>H<sub>17</sub>O<sub>5</sub>N<sub>2</sub>S** 1) Phenylamid d. 4-Amido-1-Phenylamidobenzol-2-Sulfonsäure. Sm. 171° (B. 24, 3801). — IV, 595.  
2) Phenylamid d. 2-Amidotetraphenylamin-4-Sulfonsäure. Sm. 157° (B. 24, 3794). — IV, 568.
- C<sub>18</sub>H<sub>17</sub>O<sub>5</sub>N<sub>2</sub>Cl** 1)  $\alpha$ -Chlor- $\alpha$ -Di[Phenylhydrazon]- $\beta$ -Penten- $\alpha$ -Carbonsäure (B. 22, 1259). — IV, 709.
- C<sub>18</sub>H<sub>17</sub>O<sub>5</sub>NS** 1) Phenylamid d. 2-Oxynaphthalinäthyläther-1-Sulfonsäure. Sm. 178° (C. 1895 [1] 1064).  
2) Phenylamid d. 2-Oxynaphthalinäthyläther-6-Sulfonsäure. Sm. 152—153° (C. 1895 [1] 1064).  
3) Phenylamid d. 2-Oxynaphthalinäthyläther-8-Sulfonsäure. Sm. 158° (C. 1895 [1] 1064).
- C<sub>18</sub>H<sub>17</sub>O<sub>5</sub>N<sub>2</sub>Br** 1) Hydrobromobilirubidibilirubin (A. 181, 253). — III, 662.
- C<sub>18</sub>H<sub>17</sub>O<sub>5</sub>N<sub>2</sub>S** 1) 2-Aethylamido-1-Phenylazonaphthalin-1'-Sulfonsäure. K (B. 26, 193). — IV, 1399.  
2) 4-Aethylamido-1-Phenylazonaphthalin-1'-Sulfonsäure. Na (B. 24, 2470). — IV, 1399.  
3) 4-Dimethylamido-1-Phenylazonaphthalin-1'-Sulfonsäure. Ba (B. 21, 3125). — IV, 1399.
- C<sub>18</sub>H<sub>17</sub>O<sub>4</sub>NS** 1) 2-Methyl-4-[2-Aethoxyphenyl]chinolin-2-Sulfonsäure (B. 27, 3037). — IV, 435.
- C<sub>18</sub>H<sub>17</sub>O<sub>4</sub>N<sub>2</sub>Br<sub>2</sub>** 1)  $\beta$ -[3-Brom-4-Diazoamidophenyl]propionsäure (B. 15, 2294).
- C<sub>18</sub>H<sub>17</sub>O<sub>4</sub>N<sub>2</sub>S<sub>2</sub>** 1) Verbindung (aus Phenylthiohydantoinsäure). Sm. 112—115° (A. 207, 129). — II, 402.
- C<sub>18</sub>H<sub>17</sub>ONCl** 1) Chlorbenzylat d. 6-Oxychinolin-6-Aethyläther + 3H<sub>2</sub>O. Sm. 96° (J. pr. [2] 56, 444).
- C<sub>18</sub>H<sub>17</sub>ON<sub>2</sub>S** 1) Acetylterivat d. Verbindung C<sub>18</sub>H<sub>16</sub>N<sub>2</sub>S (aus 4-Amido-1,2-Dimethylbenzol). Sm. 227° (B. 22, 584). — II, 827.  
2) Acetylterivat d. Verbindung C<sub>18</sub>H<sub>16</sub>N<sub>2</sub>S (aus 2-Amido-1,4-Dimethylbenzol). Sm. 212° (B. 22, 585). — II, 827.
- C<sub>18</sub>H<sub>17</sub>ON<sub>2</sub>P** 1) Tri[4-Amidophenyl]phosphinoxyd. Sm. 258° (A. 229, 327). — IV, 1660.  
2) Tri[Phenylamid] d. o-Phosphorsäure. Sm. 208° (A. 101, 302; 229, 335; B. 27, 2575). — II, 357.
- C<sub>18</sub>H<sub>17</sub>ON<sub>2</sub>S** 1) 2-[2-Methylphenylacetylamido]-5-[2-Methylphenyl]-1,3,4-Thiodiazol. Sm. 221° (B. 23, 367). — IV, 1236.  
2) 2-[4-Methylphenylacetylamido]-5-[4-Methylphenylamido]-1,3,4-Thiodiazol. Sm. 166° (B. 23, 365). — IV, 1236.
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>** 1)  $\alpha\beta$ -Di[Chloracetylphenylamido]äthan. Sm. 152—154° (B. 25, 3253). — II, 368.  
2)  $\beta$ -Dichlor-4,4'-Di[Acetylamido]-3,3'-Dimethylbiphenyl. Sm. bei 290° (C. 1898 [2] 522).
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>** 1)  $\alpha\beta$ -Di[Bromacetylphenylamido]äthan. Sm. 130° (B. 25, 3254). — II, 368.  
2) Di[2-Methylphenylamid] d. Dibrombernsteinsäure. Zers. bei 200° (G. 23, 183). — II, 468.  
3) Di[4-Methylphenylamid] d. Dibrombernsteinsäure. Sm. 168° u. Zers. (G. 23, 182). — II, 502.
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) Acetylterivat d. Verb. C<sub>18</sub>H<sub>16</sub>ON<sub>2</sub>Cl (B. 31, 1414).
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub>** 1)  $\alpha\alpha$ -Succinylidi[ $\beta$ -Phenylthioharnstoff]. Sm. 210—210,5° (Soc. 67, 566).
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>Cl<sub>2</sub>Te** 1) Dichlortelluro-4-Tolymethylketon. Sm. 200° (B. 30, 2834).
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>Br<sub>2</sub>S** 1) Di[3,6-Dibrom-4-Oxy-2,5-Dimethylbenzyl]sulfid. Sm. 243° (B. 29, 2346).
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>NBr<sub>2</sub>** 1) Tribromcodein. (2HCl, PtCl<sub>4</sub>), HBr (A. 77, 365). — III, 903.
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>** 1) Phenylmonamid d.  $\alpha\beta$ -Dibrom- $\beta$ -Phenylamidoäthan- $\alpha\alpha$ -Dicarbonsäuremonäthylester. Sm. 179—185° (A. 285, 131).
- C<sub>18</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Methylphenylhydrastyrithioharnstoff. Sm. 126° (A. 271, 390). — III, 106.
- C<sub>18</sub>H<sub>17</sub>O<sub>4</sub>NCl** 1) Chloräthylat d. Papaverolin. Sm. 215° (J. pr. [2] 56, 344).
- C<sub>18</sub>H<sub>17</sub>O<sub>4</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) 3,6-Dichlor-2,5-Dioxo-1,4-Benzochinon + 2 Molec. Phenylhydrazin (Bl. [3] 21, 91).

- C<sub>18</sub>H<sub>16</sub>O<sub>4</sub>N<sub>4</sub>S** 1) Sulfid d.  $\alpha$ -[4-Merkaptophenyl]hydrazonpropionsäure (A. 270, 152). — IV, 816.
- C<sub>18</sub>H<sub>15</sub>O<sub>3</sub>Cl<sub>2</sub>Te** 1) Dimethyläther d. Dichlortelluro-4-Oxyphenylmethylketon. Sm. 190° (B. 23, 2833).
- C<sub>18</sub>H<sub>15</sub>O<sub>7</sub>N<sub>2</sub>S<sub>2</sub>** 1) Disulfonsäure (aus 8-Oxy-1,2,3,4-Tetrahydrochinolin-5-Sulfonsäure). Sm. noch nicht bei 360°. K<sub>2</sub> (J. pr. [2] 54, 386). — IV, 297.
- C<sub>18</sub>H<sub>15</sub>N<sub>5</sub>SP** 1) Triphenylamid d. Thiophosphorsäure. Sm. 78° (Z. 1868, 539). — II, 357.  
2) Triphenylamid d. isom. Thiophosphorsäure. Sm. 153° (B. 20, 3353). — II, 357.
- C<sub>18</sub>H<sub>19</sub>ON<sub>3</sub>Br** 1) 4-Bromphenyläther d.  $\alpha$ -Phenylimido- $\alpha$ -Oxy- $\alpha$ -[1-Piperidyl]-methan (4-Bromdiphenylpiperidylsophorstoff). Sm. 91° (B. 28, 984). — IV, 13.
- C<sub>18</sub>H<sub>19</sub>ON<sub>3</sub>S** 1) Verbindung (aus Amidobenzol u. Thionylamidobenzol) (A. 274, 205). — II, 355.
- C<sub>18</sub>H<sub>19</sub>ON<sub>3</sub>S<sub>2</sub>** 1) Verbindung (aus 5-Dimethylamido-2,4'-Dithiocarbonimid). Sm. 170° (A. 303, 359).
- C<sub>18</sub>H<sub>19</sub>ON<sub>4</sub>P** 1) Di[Phenylhydrazid] d. Phenylphosphinsäure. Sm. 175° (A. 293, 210). — IV, 1651.
- C<sub>18</sub>H<sub>19</sub>ON<sub>5</sub>S** 1) 2-[2,4-Dimethylphenylnitrosamido]-5-[2,4-Dimethylphenylamido]-1,3,4-Thiodiazol. Sm. 146° (B. 23, 370). — IV, 1237.
- C<sub>18</sub>H<sub>19</sub>O<sub>2</sub>NCl<sub>3</sub>** 1) Base (aus Codein). Sm. 196—197°. HCl, (2HCl, PtCl<sub>4</sub>) (A. 210, 110). — III, 907.
- C<sub>18</sub>H<sub>19</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) Cinchotinenchlorid. (2HCl, PtCl<sub>4</sub>) (M. 16, 63). — III, 842.  
2) 4-Methylphenylamid d. Chlorbersteinsäure (A. 279, 136).  
3) 4-Methylphenylamid d. Chloracetyl-[4-Methylphenyl]amidoessigsäure. Sm. 158° (B. 25, 2290). — II, 505.
- C<sub>18</sub>H<sub>19</sub>O<sub>2</sub>N<sub>2</sub>J<sub>2</sub>** 1) Dijododein. (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O) (A. 92, 325, 326). — III, 903.
- C<sub>18</sub>H<sub>19</sub>O<sub>2</sub>N<sub>5</sub>S** 1)  $\alpha$ -Phenylamidothioformyl- $\beta$ -Phenylhydrazid d. Malonsäuremonoäthylester. Sm. 141° (B. 24, 1801). — IV, 702.
- 2) Aethylester d. 3-[ $\beta$ -Phenylthiouramido]-4-Methylphenyloxaminsäure. Sm. 154—155° (A. 268, 310). — IV, 605.
- C<sub>18</sub>H<sub>19</sub>O<sub>4</sub>N<sub>4</sub>Cl** 1) 2-Chlor-1,2-Di[4-Aethoxyphenyl]-2,2-Dihydro-1,2,3,5-Tetrazol-4-Carbonsäure (Di-p-Phenetylterrazolumchloridcarbonsäure). Sm. 194—195° (B. 28, 1601). — IV, 1240.
- C<sub>18</sub>H<sub>20</sub>ONBr** 1) Phenylbenzylamid d.  $\alpha$ -Bromisovaleriansäure. Sm. 95—96° (B. 31, 2677).
- C<sub>18</sub>H<sub>20</sub>ON<sub>3</sub>S<sub>2</sub>** 1) Oxyd d. Aethylphenylamidothioameisensäure. Sm. 143—143,5° (B. 20, 1630).
- C<sub>18</sub>H<sub>20</sub>ON<sub>3</sub>Cl** 1) Aethyläther d. Verb. C<sub>18</sub>H<sub>19</sub>ON<sub>3</sub>Cl (B. 31, 1414).
- C<sub>18</sub>H<sub>20</sub>O<sub>2</sub>NCl** 1) Chlorocodid. Sm. 147—148°. HCl, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>) (A. Spt. 7, 366; A. 210, 107). — III, 906.
- C<sub>18</sub>H<sub>20</sub>O<sub>2</sub>NBr** 1) Bromocodid. HBr (J. 1871, 777). — III, 907.
- C<sub>18</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>S** 1) 2<sup>1</sup>,3<sup>2</sup>-Dimethyläther d. 2-[2-Oxyphenyl]imido-3-[2-Oxyphenyl]tetrahydro-1,3-Thisian. Sm. 113—114° (B. 21, 1872). — II, 711.  
2) Di[2-Acetylaminobenzyl]sulfid. Sm. 209° (B. 27, 3522).  
3) Di[4-Acetylaminobenzyl]sulfid. Sm. 188° (B. 24, 726; 28, 880, 915, 1337).  
4) Di[6-Acetylaminido-3-Methylphenyl]sulfid. Sm. 211° (B. 20, 667). — II, 821.  
5) Di[ $\beta$ -Benzoylamidoäthyl]sulfid. Sm. 109—110° (B. 24, 3102). — II, 1160.
- C<sub>18</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub>** 1) Phenylthiourethansulfid. Sm. 102° (A. 207, 159; B. 13, 1575; 19, 1076, 1813; 26, 2364). — II, 384.  
2) Di[4-Acetylaminobenzyl]disulfid. Sm. 173—174° (A. 305, 120).  
3) Di[6-Acetylaminido-3-Methylphenyl]disulfid. Sm. 204—206° (B. 22, 908). — II, 822.  
4) Di[ $\beta$ -Benzoylamidoäthyl]disulfid. Sm. 132° (B. 24, 1123). — II, 1160.
- C<sub>18</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>Se<sub>2</sub>** 1) Di[ $\beta$ -Benzoylamidoäthyl]diselenid (B. 25, 3048). — II, 1161.
- C<sub>18</sub>H<sub>20</sub>O<sub>2</sub>N<sub>5</sub>P** 1) Tri[Phenylamid] d. Pentaoxiphosphorsäure. Sm. 217° (B. 29, 721).
- C<sub>18</sub>H<sub>20</sub>O<sub>2</sub>N<sub>6</sub>S<sub>2</sub>** 1)  $\alpha\alpha$ -Succinylidi[ $\beta$ -Phenylamidothiobarnstoff]. Sm. 220° (Soc. 67, 571). — IV, 704.

- C<sub>18</sub>H<sub>20</sub>O<sub>2</sub>Br<sub>2</sub>S** 1) Di[3-Brom-4-Oxy-2,5-Dimethylbenzyl]sulfid. Sm. 152° (A. 302, 124).  
**C<sub>18</sub>H<sub>20</sub>O<sub>3</sub>NCl** 1) Chlorcodein + 1/2H<sub>2</sub>O. Sm. 170°. (2HCl, PtCl<sub>6</sub>), H<sub>2</sub>SO<sub>4</sub> + 4H<sub>2</sub>O (A. 77, 308; 210, 114). — III, 903.  
**C<sub>18</sub>H<sub>20</sub>O<sub>3</sub>NBr** 1) Bromocodein + 1/2(1/2)H<sub>2</sub>O. Sm. 161—162°. (2HCl, PtCl<sub>6</sub>), HBr + H<sub>2</sub>O (A. 77, 362; 210, 112). — III, 903.  
**C<sub>18</sub>H<sub>20</sub>O<sub>2</sub>NJ** 1) Jodmethylat d. Morphothebaïn (B. 19, 1598; M. 18, 389). — III, 910.  
**C<sub>18</sub>H<sub>20</sub>O<sub>2</sub>Br<sub>2</sub>S<sub>2</sub>** 1) Verbindung (aus Sulfotoluylenäthylen). Sm. 95° (A. 143, 219). — II, 110.  
**C<sub>18</sub>H<sub>21</sub>ON<sub>6</sub>P** 1) Tri[Phenylhydrazid] d. Phosphorsäure. Sm. 204° (196°) (A. 270, 135; 272, 212). — IV, 662.  
**C<sub>18</sub>H<sub>21</sub>O<sub>3</sub>N<sub>5</sub>S** 1) Phenylthiosemicarbazid d.  $\beta$ -[ $\alpha$ -Phenylhydrazido]propionsäure-äthylerster. Sm. 71—74° (B. 29, 517). — IV, 740.  
**C<sub>18</sub>H<sub>21</sub>O<sub>3</sub>N<sub>2</sub>S<sub>2</sub>** 1) 1-Methyl-1,2,3,4-Tetrahydrochinolinindimethylalinlinthiosulfonsäureindamin (B. 23, 1382). — IV, 197.  
**C<sub>18</sub>H<sub>21</sub>O<sub>5</sub>NS** 1) Sulfocodid + 5H<sub>2</sub>O. Zers. bei 246°. — III, 902.  
**C<sub>18</sub>H<sub>21</sub>O<sub>5</sub>N<sub>2</sub>P** 1) 2-Methylphenylamid d. Phosphorsäuredi[Oxyessigsäure]. Sm. 168—170° (A. 279, 61).  
2) 4-Methylphenylamid d. Phosphorsäuredi[Oxyessigsäure]. Sm. 255—257° (A. 279, 66).  
**C<sub>18</sub>H<sub>21</sub>N<sub>6</sub>SP** 1) Tri[Phenylhydrazid] d. Thiophosphorsäure. Sm. 154° (A. 270, 136). — IV, 662.  
**C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>NP** 1) Piperidid d. 4-Methylphenylphosphinsäuremonophenylester. Fl. (A. 293, 264). — IV, 1679.  
**C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Propyläther d. 2-Methoxyphenylamido - 2-Methoxyphenylimidomerkaptoethan. Sm. 58°. (2HCl, PtCl<sub>6</sub>) (B. 21, 1864). — II, 711.  
**C<sub>18</sub>H<sub>21</sub>O<sub>3</sub>NCl** 1) Chlormethylat d. Morphin + 2H<sub>2</sub>O. (2 + PtCl<sub>6</sub> + H<sub>2</sub>O) (A. 222, 208). — III, 899.  
**C<sub>18</sub>H<sub>21</sub>O<sub>2</sub>NJ** 1) Jodmethylat d. Morphin + H<sub>2</sub>O (A. 88, 338). — III, 898.  
**C<sub>18</sub>H<sub>21</sub>O<sub>4</sub>NBr** 1)  $\beta$ -Bromäthylerster d. Benzoyleggonin. Fl. (Am. 10, 147). — III, 867.  
**C<sub>18</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>S** 1) 4-Oxy-2,P,P-Trimethyl-5-Isopropylazobenzol-P-Sulfonsäure. Ba (B. 14, 2795). — IV, 1425.  
**C<sub>18</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>S<sub>2</sub>** 1) 1,2-Di[Phenylsulfonamido]hexahydrobenzol. Sm. 155° (A. 295, 215). — IV, 482.  
**C<sub>18</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>Hg<sub>3</sub>** 1) Diacetat d. Quecksilberammoniumbase C<sub>14</sub>H<sub>14</sub>O<sub>3</sub>N<sub>2</sub>Hg<sub>3</sub>. Sm. 184° (G. 28 [2] 111). — IV, 1711.  
**C<sub>18</sub>H<sub>22</sub>O<sub>6</sub>N<sub>4</sub>S<sub>2</sub>** 1) Amid d. s-Di[Acetyl-2-Methylphenyl]hydrazin-5,5'-Disulfonsäure (A. 270, 372). — IV, 1502.  
**C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>ClS** 1) Dimethylidäthyliothionchlorid (A. 251, 86; B. 22, 2067). — II, 811.  
**C<sub>18</sub>H<sub>23</sub>ON<sub>1</sub>P** 1) 2,4,5-Trimethylphenylimid-2,4,5-Trimethylphenylamid d. Phosphorsäure. Sm. 217° (B. 29, 727).  
2) 2,4,6-Trimethylphenylimid-2,4,6-Trimethylphenylamid d. Phosphorsäure. Sm. 240° (B. 29, 726).  
**C<sub>18</sub>H<sub>23</sub>O<sub>2</sub>NBr<sub>2</sub>** 1) Methylalkoholat d. Verb. C<sub>18</sub>H<sub>19</sub>ONBr<sub>2</sub> (aus Dibrompseudoecumenol-bromid) + 3H<sub>2</sub>O. Sm. 203—204° (u. 205—207°) (B. 29, 1125).  
**C<sub>18</sub>H<sub>23</sub>O<sub>2</sub>NS** 1) Phenylamid d. 1,3-Dimethyl-P-(tert.)Butylbenzol-P-Sulfonsäure. Sm. 143,5—144,5° (B. 25, 791). — II, 425.  
2) Phenylamid d. 1,4-Propylisopropylbenzol- $\alpha$ -Sulfonsäure. Sm. 107—109° (G. 21, 21). — II, 425.  
**C<sub>18</sub>H<sub>23</sub>O<sub>3</sub>N<sub>2</sub>S<sub>2</sub>** 1) Dimethylidäthyldiaminthiosulfonat (A. 251, 83). — II, 802.  
**C<sub>18</sub>H<sub>23</sub>O<sub>4</sub>NS<sub>2</sub>** 1) Di[4-Methylphenylsulfonäthyl]amin. Sm. 200—201° u. Zers. (HCl, AuCl<sub>3</sub>) (J. pr. [2] 30, 359). — II, 823.  
2) Imid d. 1,2,4-Trimethylbenzol-5-Sulfonsäure. Sm. 177° (A. 184, 185). — II, 149.  
3) Imid d. 1,3,5-Trimethylbenzol-2-Sulfonsäure. Sm. 124° (A. 184, 187). — II, 151.  
**C<sub>18</sub>H<sub>23</sub>N<sub>2</sub>JS** 1) Jodmethylat d. 4,4'-Di[Dimethylamido]diphenylthioketon. Zers. bei 108° (B. 20, 1736). — III, 192.  
**C<sub>18</sub>H<sub>24</sub>ON<sub>1</sub>Br** 1) Dipiperidylbromisatin (B. 24, 2005). — IV, 16.  
**C<sub>18</sub>H<sub>24</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>** 1) Verbindung (aus Phthalylpiperidin) (A. 227, 200). — IV, 16.  
**C<sub>18</sub>H<sub>21</sub>O<sub>2</sub>NCl** 1) Chlormethylat d. Cocain. Sm. 152,5° (B. 21, 3042). — III, 867.

- $C_{18}H_{24}O_4NCl$  2) Chlormethylat d. 1-Scopolamin. +  $AuCl_3$  (B. 27 [2] 883). — III, 796.  
 $C_{18}H_{24}O_4NJ$  1) Jodmethylat d. Cocain. Sm. 164° (B. 21, 3041). — III, 866.  
   2) Jodmethylat d.  $\alpha$ -Cocain +  $H_2O$ . Sm. 202° (B. 29, 2227). — III, 873.  
   3) Jodmethylat d. 1-Scopolamin. Sm. 215° (B. 27 [2] 883). — III, 796.  
 $C_{18}H_{24}O_4N_2S_2$  1) Aethylendiäthylamid d. Bensolsulfonsäure ( $\alpha\beta$ -Di[Phenylsulfon-äthylamido]äthan). Sm. 152,5° (A. 287, 222; B. 28, 3076).  
 $C_{18}H_{24}O_6N_2S_{12}$  1) Verbindung (aus Chloralhydrat) (J. 1875, 474). — I, 932.  
 $C_{18}H_{24}N_2Cl_2Hg_2$  1) Chlorid d. Quecksilberammoniumbase  $C_{18}H_{26}O_4N_2Hg_2$ . Sm. 159 bis 159,5° (G. 28 [2] 103). — IV, 1711.  
 $C_{18}H_{24}N_2Br_2Hg_2$  1) Bromid d. Quecksilberammoniumbase  $C_{18}H_{26}O_4N_2Hg_2$ . Sm. 149 bis 150° (G. 28 [2] 104). — IV, 1711.  
 $C_{18}H_{24}N_2J_2Hg_2$  1) Jodid d. Quecksilberammoniumbase  $C_{18}H_{26}O_4N_2Hg_2$ . Sm. 126° (G. 28 [2] 104). — IV, 1711.  
 $C_{18}H_{25}O_2NS$  1) Phenylamid d. 5-Pseudobutyl-1,3-Dimethylbenzol-2-Sulfonsäure. Sm. 143—144° (B. 27, 1608).  
 $C_{18}H_{25}O_4N_2J$  1) Jodmethylat d. m-Amido-d-Cocain. Sm. 197—198° (B. 27, 1882). — III, 868.  
 $C_{18}H_{25}N_2S_4P$  1) Phenylid[1-Piperidyl]phosphin + 2 Molec. Schwefelkohlenstoff. Sm. 144° (B. 31, 1042). — IV, 1682.  
 $C_{18}H_{26}ON_4J_2$  1) Di[Jodmethylat] d. 3,3'-Di[Dimethylamido]azoxybenzol. Sm. 190° u. Zers. (B. 30, 2935). — IV, 1395.  
 $C_{18}H_{26}O_2N_2Hg_2$  1) Quecksilberdi[6-Dimethylamido-3-Methylphenyl]quecksilberdiammoniumhydrat. Sm. 117°. Chlorid, Bromid, Jodid, Nitrat Acetat (G. 28 [2] 102). — IV, 1711.  
 $C_{18}H_{26}O_4N_2S_2$  1) *an*-Phthalid[ $\beta$ -sec. Butylthioharnstoff]. Fl. (Soc. 67, 574).  
   1) Chlormethylat d. 2,6-Dimethyl-4-Phenylhexahydropyridin-3,5-Dicarbonsäuredimethylester. (2 +  $PtCl_4$ ) (B. 25, 2791). — IV, 215.  
 $C_{18}H_{26}O_4NJ$  1) Jodmethylat d. 2,6-Dimethyl-4-Phenylhexahydropyridin-3,5-Dicarbonsäuredimethylester. Fl. (B. 25, 2791). — IV, 215.  
 $C_{18}H_{27}O_2NS$  1) Chondroitinschwefelsäure. K, Cu (B. 25 [2] 473). — IV, 1627.  
 $C_{18}H_{27}ON,P$  1) Aethyläther d. 4-Oxyphenyldi[1-Piperidyl]phosphin. Sm. 84° (B. 31, 1047).  
 $C_{18}H_{29}N_2JP$  1) Aethylphenyldi[1-Piperidyl]phosphoniumjodid. Sm. 174° (B. 31, 1044). — IV, 1682.  
   2) Methyl-4-Methylphenyldi[1-Piperidyl]phosphoniumjodid. Sm. 186° (B. 31, 1046). — IV, 1682.  
 $C_{18}H_{32}O_2Br_6J$  1) Dibromjodstearinsäure (B. 9, 1917). — I, 492.  
 $C_{18}H_{34}O_2NCl$  1) Chloräthylat d. Aethylcarpaine. 2 +  $PtCl_4$ , +  $AuCl_3$ . — III, 804.  
 $C_{18}H_{34}O_2NJ$  1) Jodäthylat d. Aethylcarpaine. — III, 804.  
 $C_{18}H_{34}O_3NCl$  1) Chloroximidostearinsäure (Nitrosylchlorid d. Elaidinsäure). Sm. 99—100° (Soc. 65, 329).  
 $C_{18}H_{36}O_2N_2S$  1) Stearinamidoximschwefligeinsäure (B. 26, 2845).  
 $C_{18}H_{40}O_6N_2Fe$  1) Imidoferrocyanwasserstoffäthyläther. 2HCl (B. 21, 932; siehe auch A. 91, 253). — I, 1488.  
 $C_{18}H_{44}O_9Cl_2P$  1) Verbindung (aus Acetaldehyd). Fl. (B. 21, 330). — I, 921.  
   1) Verbindung (aus Acetaldehyd). Fl. (B. 21, 331). — I, 921.

### $C_{18}$ -Gruppe mit fünf Elementen.

- $C_{18}H_8O_2N_2Br_6S_2$  1) Verbindung (aus Oktobrom-p-Tetrolditolyl) (B. 14, 936, 2093). — IV, 1035.  
 $C_{18}H_{12}ON_2Br_6P$  1) Tri[ $\beta$ -Dibrom-4-Amidophenyl]phosphinoxyd. Sm. 205—206° u. Zers. (A. 229, 333). — IV, 1660.  
   2) Orthophosphorsäurehexabromtrianilid. Sm. 252—253° (A. 229, 338). — II, 357.  
 $C_{18}H_{12}O_2N_2Cl_3P$  1) Tri[4-Chlor- $\beta$ -Nitrophenylamid] d. Phosphorsäure. Sm. 249° (B. 28, 620).  
 $C_{18}H_{12}O_2N_2Cl_4P$  1) Di[2,4-Dichlorphenylamid] d. Phenylphosphorsäure. Sm. 227° (B. 29, 724).

- $C_{14}H_{13}O_5N_2ClS$  1) Benzolsulfonat d. 2-Chlor-4'-Oxyazobenzol. Sm. 74° (B. 28, 800). — IV, 1408.  
 2) Benzolsulfonat d. 3-Chlor-4'-Oxyazobenzol. Sm. 97° (B. 28, 802). — IV, 1409.
- $C_{15}H_{13}O_5N_2BrS$  1) Benzolsulfonat d. 2-Brom-4'-Oxyazobenzol. Sm. 69° (B. 31, 2116). — IV, 1409.  
 2) Benzolsulfonat d. 3-Brom-4'-Oxyazobenzol. Sm. 95° (B. 28, 803). — IV, 1409.  
 3) Benzolsulfonat d. 4-Brom-4'-Oxyazobenzol. Sm. 136° (B. 31, 2117). — IV, 1410.
- $C_{16}H_{14}O_5N_2Cl_2Bi$  1) Phenylidodi[ $\beta$ -Nitrophenyl]wismuthdichlorid. Sm. 136° (B. 30, 2846).
- $C_{16}H_{14}O_5N_2ClBr$  1) Methylester d. Verb.  $C_{17}H_{15}O_5N_2ClBr$  (Bl. [3] 15, 407).
- $C_{16}H_{15}ON_2Cl_2P$  1) Tri[4-Chlorphenylamid] d. Phosphorsäure. Sm. 230° (B. 28, 620).
- $C_{16}H_{16}O_5NClP$  1) 4-Chlorphenylmonamid d. Phosphorsäurediphenylester. Sm. 117° (B. 28, 618).
- $C_{16}H_{16}ON_2Br_2P$  1) Phenylamiddi[3-Bromphenylamid] d. Phosphorsäure. Sm. 165° (B. 29, 723).
- $C_{16}H_{17}ON_2ClP$  1) Di[Phenylamid]-4-Chlorphenylamid d. Phosphorsäure. Sm. 115° (B. 28, 620).
- $C_{16}H_{18}O_5N_2Br_2S$  1) 4-Bromphenylthiourethansulfid. Sm. 86—87° (B. 28, 2371). — II, 385.
- $C_{16}H_{18}O_5NBrS$  1) Äthylester d.  $\alpha$ -Benzoylamido- $\alpha$ -Merkaptopropion-4-Bromphenyläthersäure. Sm. 104° (H. 20, 439).
- $C_{16}H_{19}O_5NClBr$  1) Base (aus Bromcodein). Sm. 131°. HCl, (2HCl, PtCl<sub>4</sub>) (A. 210, 113). — III, 907.
- $C_{16}H_{21}O_5NBrJ$  1) Jodmethylat d. Brommorphin + H<sub>2</sub>O. Sm. 252° (A. 297, 211).
- $C_{16}H_{21}ONBr_2J$  1) Jodmethylat d. Verb.  $C_{17}H_{16}ONBr_2$  (aus Dibrompseudoecumenolbromid). Sm. 190—191° (B. 29, 1124).
- $C_{16}H_{22}O_5N_2S_2As$  1) Verbindung (aus Thiolessigsäure) (G. 27 [2] 164).

### $C_{18}$ -Gruppe mit sechs Elementen.

- $C_{18}H_{12}ON_2Cl_2Br_2P$  1) Tri[4-Chlor- $\beta$ -Bromphenylamid] d. Phosphorsäure. Sm. 236° (B. 28, 620).
- $C_{18}H_{12}O_5Cl_2SP$  1) Tri[4-Chlorphenylester] d. Thiophosphorsäure. Sm. 113 bis 114° (B. 31, 1108).
- $C_{18}H_{12}O_5Cl_2PSe$  1) Tri[4-Chlorphenylester] d. Selenphosphorsäure. Sm. 88° (B. 31, 1055).
- $C_{18}H_{12}O_5N_2S_2Cl_2S_2$  1) 3,6-Dichlor-2,5-Di[Phenylamido]-1,4-Benzochinon-2<sup>4</sup>,5<sup>4</sup>-Disulfosäure. K<sub>2</sub> (Bl. [3] 19, 576).
- $C_{18}H_{12}O_5NSP$  1) Phenylmonamid d. Thiophosphorsäurediphenylester. Sm. 92° (B. 31, 1102).
- $C_{18}H_{17}ON_2SP$  1) Di[Phenylamid] d. Thiophosphorsäuremonophenylester. Sm. 126° (B. 31, 1104).
- $C_{18}H_{19}ON_2SP$  1) Di[Phenylhydrazid] d. Thiophosphorsäuremonophenylester. Sm. 136° (B. 31, 1104).

### $C_{19}$ -Gruppe mit einem Element.

- $C_{19}H_{14}$  C 94,2 — H 5,8 — M. G. 242.  
 1) Phenylen diphenylmethan. Sm. 148,5° (Bl. [3] 1, 775). — II, 293.  
 2) Biphenylen phenylmethan. Sm. 145,5° (A. 194, 258; B. 5, 910, 971; 7, 1208; 11, 202, 613, 837; 14, 1522; 25, 2121, 3586; J. r. 11, 259). — II, 293.
- $C_{19}H_{16}$  C 93,4 — H 6,6 — M. G. 244.  
 1) Triphenylmethan. Sm. 92°; Sd. 358—359°<sub>754</sub>. +  $C_6H_6$ . Lit. bedeutend. — II, 286.  
 2) 2-Benzyl-1-Phenylbenzol. Sm. 54°; Sd. 283—287°<sub>550</sub> (M. 2, 440). — II, 288.

- C<sub>19</sub>H<sub>16</sub>** 3) **4-Benzyl-1-Phenylbenzol.** Sm. 85°; Sd. 285—286°<sub>650</sub> (M. 2, 435). — II, 288.  
C 92,7 — H 7,3 — M. G. 246.
- C<sub>19</sub>H<sub>18</sub>** 1) **Kohlenwasserstoff** (aus d. Verb. C<sub>19</sub>H<sub>14</sub>O). Sm. 92° (B. 14, 462; A. 212, 100). — II, 282.  
C 91,9 — H 8,1 — M. G. 248.
- C<sub>19</sub>H<sub>20</sub>** 1) **9-Isoamylanthracen.** Sm. 59° (Pikrat Sm. 115°) (B. 14, 796, 802; A. 212, 104). — II, 277.
- C<sub>19</sub>H<sub>22</sub>** C 91,2 — H 8,8 — M. G. 250.
- C<sub>19</sub>H<sub>24</sub>** 1) **9-Isoamyl-9,10-Dihydroanthracen.** Sd. 350° u. Zers. (B. 13, 1600; 14, 457; A. 212, 79). — II, 254.  
C 90,5 — H 9,5 — M. G. 252.
- C<sub>19</sub>H<sub>26</sub>** 1)  $\alpha\alpha$ -Diphenylheptan. Sm. 14°; Sd. 190—192°<sub>15</sub> (Bl. 47, 49). — II, 242.  
2) Di[2,4,6-Trimethylphenyl]methan. Sm. 130° (B. 5, 1098). — II, 242.  
3) **Kohlenwasserstoff** (aus Xylo u. Allylalkohol). Fl. (B. 24, 2749). — II, 242.  
C 89,1 — H 10,9 — M. G. 256.
- C<sub>19</sub>H<sub>30</sub>** 1) **Kohlenwasserstoff** (aus Cholesterylchlorid). Sd. 355—370° (M. 17, 43).  
C 85,1 — H 14,9 — M. G. 268.
- C<sub>19</sub>H<sub>40</sub>** 1) **norm. Nonadekan.** Sm. 32°; Sd. 330° (111°) (B. 15, 1704; 21, 2261; 29, 1323). — I, 106.

### C<sub>19</sub>-Gruppe mit zwei Elementen.

- C<sub>19</sub>H<sub>5</sub>O<sub>4</sub>** C 76,0 — H 2,7 — O 21,3 — M. G. 300.
- C<sub>19</sub>H<sub>10</sub>O<sub>6</sub>** 1) **Verbindung** (aus Diphenylmethan- $\alpha\beta\gamma\delta$ -Tricarbonsäure). Sm. 260—261° (A. 242, 237). — II, 2025.  
C 68,3 — H 3,0 — O 28,7 — M. G. 334.
- C<sub>19</sub>H<sub>11</sub>N** 1) **Verbindung** (aus d. Säure C<sub>19</sub>H<sub>14</sub>O<sub>8</sub>). Sm. 162—163° (B. 21, 1616). — II, 2087.  
C 90,1 — H 4,3 — N 5,5 — M. G. 253.
- C<sub>19</sub>H<sub>11</sub>Br<sub>3</sub>** 1) **Pyrenolin.** Sm. 152—153°. HCl, (2HCl, PtCl<sub>4</sub>, H<sub>4</sub>SO<sub>4</sub> +  $\frac{1}{2}$ H<sub>2</sub>O, Pikrat (M. 8, 443). — IV, 472.
- C<sub>19</sub>H<sub>11</sub>O** 1) **Tribrombiphenylenphenylmethan.** Sm. 167—171° (B. 5, 971). — II, 293.  
C 89,1 — H 4,7 — O 6,2 — M. G. 256.
- C<sub>19</sub>H<sub>13</sub>O<sub>2</sub>** 1) **7-Keto-8-Benzylidenacenaphthen.** Sm. 107° (A. 290, 204). — III, 260.  
C 83,8 — H 4,4 — O 11,8 — M. G. 272.
- C<sub>19</sub>H<sub>13</sub>O<sub>3</sub>** 1) **2-Phenyl-1,4- $\alpha$ -Naphtopyrion ( $\alpha$ -Naphtoflavon).** Sm. 154—156° (B. 31, 707).  
2) **Lakton d. 1-[ $\alpha$ -Oxy- $\beta$ -(2-Naphtyl)äthenyl]benzol-2-Carbonsäure (2-Naphtylmethylephthalid).** Sm. 170—171° (B. 29, 2375).  
C 75,0 — H 3,9 — O 21,1 — M. G. 304.
- C<sub>19</sub>H<sub>13</sub>O<sub>4</sub>** 1) **2-Keto-1-[3,4-Dioxybenzyliden]- $\alpha$ -Naphtofuran.** Sm. 240° u. Zers. (B. 30, 1469).  
2) **Acetat d.  $\alpha$ -Oxy- $\alpha$ -Phenonaphthoxanthon.** Sm. 216° (B. 25, 1646). — III, 256.  
3) **Acetat d.  $\beta$ -Oxy- $\beta$ -Phenonaphthoxanthon.** Sm. 206° (B. 25, 1647). — III, 256.  
4)  **$\alpha$ ,2- $\delta$ ,2'-Dilakton d.  $\alpha\delta$ -Dioxy- $\alpha\delta$ -Diphenyl- $\gamma$ -Methyl- $\alpha\gamma$ -Butadien-2,2'-Dicarbonsäure (Propindiphtalid).** Sm. noch nicht bei 280° (B. 17, 2776). — II, 2035.  
5) **Verbindung** (aus 1,2,3-Trioxibenzoil) (B. 26, 1140). — II, 1044.  
6) **Verbindung** (aus d. Verb. C<sub>19</sub>H<sub>14</sub>O aus Isoamylxanthranol). Sm. 157° (A. 212, 98). — III, 244.  
7) **Verbindung** (aus Allo- $\alpha$ -Brom- $\beta$ -Phenylakrylsäure). Sm. oberh. 260° (B. 15, 18). — II, 1412.  
C 71,2 — H 3,7 — O 25,0 — M. G. 320.
- C<sub>19</sub>H<sub>13</sub>O<sub>5</sub>** 1) **Methyläther d. 2-Oxy-2,2'-Bi-1,3-Diketo-2,3-Dihydroinden.** Sm. bei 230°. Na +  $\frac{1}{2}$ H<sub>2</sub>O, Ag (B. 31, 1172).

- C<sub>19</sub>H<sub>12</sub>O<sub>5</sub>** 2) Verbindung (aus 1,2,3-Trioxybenzol u. Benzaldehyd) (*B. 26*, 1144). — **II, 1044.**  
C 67,8 — H 3,6 — O 28,6 — M. G. 336.
- C<sub>19</sub>H<sub>12</sub>O<sub>6</sub>** 1) Verbindung (aus Resorcin u. Oxalsäure) (*C. 1899* [1] 254).  
C 57,0 — H 3,0 — O 40,0 — M. G. 400.
- C<sub>19</sub>H<sub>12</sub>O<sub>10</sub>** 1)  $\alpha\gamma$ -Diketo- $\alpha\gamma$ -Diphenylpropan- $\beta\beta$ , $2,2'$ -Tetracarbonsäure. K<sub>4</sub> (*B. 20*, 1012). — **II, 2100.**
- C<sub>19</sub>H<sub>12</sub>Br<sub>2</sub>** 1) Dibrombiphenylenphenylmethan. Sm. 181°—182° (*B. 5*, 971). — **II, 293.**
- C<sub>19</sub>H<sub>12</sub>Br<sub>4</sub>** 1) Tetrabromtrifenylnmethan? (*B. 14*, 1521). — **II, 288.**
- C<sub>19</sub>H<sub>12</sub>N** C 89,4 — H 5,1 — N 5,5 — M. G. 255.
- 1) 2-(2-Naphyl)chinolin. Sm. 161° (*B. 25*, 1755). — **IV, 467.**  
2) 2-Phenyl- $\alpha$ -Naptochinolin. Sm. 68°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>, Pikrat (*A. 249*, 115). — **IV, 466.**  
3) 3-Phenyl- $\beta$ -Naptochinolin. Sm. 188°. (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O), H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>, Pikrat (*A. 249*, 133). — **IV, 466.**  
4) 5-Phenylakridin. Sm. 181°; Sd. 403°—404°. HCl, (2HCl, PtCl<sub>4</sub>), Nitrat, + C<sub>6</sub>H<sub>6</sub> (*A. 192*, 19; **224**, 13, 28; **226**, 184; **B. 15**, 3011; **17**, 1596; **18**, 2712; **20**, 1552; *J. pr. [2] 48*, 222). — **IV, 467.**  
5) 9-Phenylphenanthridin. Sm. 109°; Sd. oberh. 400°. HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), Pikrat (*B. 29*, 1187). — **IV, 468.**
- C<sub>19</sub>H<sub>12</sub>Br** 1) Bromphenyldiphenylmethan. Sm. 110° (*Bl. [3] 1*, 775). — **II, 294.**  
C 88,4 — H 5,4 — O 6,2 — M. G. 258.
- C<sub>19</sub>H<sub>14</sub>O** 1) 4-Benzoylbiphenyl (4-Phenyl diphenylketon). Sm. 104° (*M. 2*, 437). — **III, 257.**  
2)  $\rho$ -Benzoylbiphenyl. Sm. 106°. + AlCl<sub>3</sub> (*B. 14*, 2032; *Bl. [3] 9*, 1051). — **III, 257.**  
3) Verbindung (aus Fluoran). Sm. 135°—137° (*B. 25*, 358S). — **II, 1984.**  
4) Verbindung (aus Isoamylxanthanol). Sm. 206° (*A. 212*, 97). — **III, 244.**  
C 83,2 — H 5,1 — O 11,7 — M. G. 274.
- C<sub>19</sub>H<sub>14</sub>O<sub>2</sub>** 1)  $\gamma$ -Keto- $\alpha$ -Phenyl- $\gamma$ -[1-Oxy-2-Naphyl]propen. Sm. 125°—126° (*B. 31*, 705).  
2)  $\gamma$ -Keto- $\alpha$ -Phenyl- $\gamma$ -[4-Oxy-2-Naphyl]propen. Na + 5H<sub>2</sub>O (*A. 275*, 292). — **III, 257.**  
3) Aethylester d. Pyrenkarbonsäure (*M. 4*, 258).  
4) 2-Naphtylester d.  $\beta$ -Phenylakrylsäure. Sm. 101°—102° (*B. 18*, 1946). — **II, 1406.**  
5) Benzoat d. 4-Oxybiphenyl. Sm. 152° (150°) (*J. r. 5*, 52; *A. 257*, 101). — **II, 1149.**  
C 78,6 — H 4,8 — O 16,5 — M. G. 290.
- C<sub>19</sub>H<sub>14</sub>O<sub>3</sub>** 1) Aurin (Anhydro- $\alpha$ -Oxytri[4-Oxytriphenyl]methan). Lit. bedeutend. — **II, 1119.**  
2) Lakton d. 3-Oxy-1-Keto-3,4-Diphenyl-2,3-Dihydro-R-Penten-2-Methylcarbonsäure. Sm. 151°—152° (*Soc. 71*, 138).  
3) Lakton d.  $\alpha$ -Methoxyl- $\alpha$ -Phenyl- $\alpha$ -[2-Oxy-1-Naphyl]essigsäure. Sm. 136° (*B. 31*, 2824).  
4) Phenylester d. 2-Oxybenzolphenyläther-1-Carbonsäure. Sm. 109° (*A. 257*, 79). — **II, 1495.**  
5) Phenylester d. 4-Oxybenzolphenyläther-1-Carbonsäure. Sm. 73 bis 78° (*J. pr. [2] 28*, 200). — **II, 1527.**  
6) Benzoat d. Methyl-1-Oxy-2-Naphylketon. Sm. 96,5° (*B. 30*, 1467).  
7) Monobenzoat d. 7,8-Dioxyacenaphthen. Sm. 189°—190° (*Soc. 55*, 580). — **II, 1144.**
- C<sub>19</sub>H<sub>14</sub>O<sub>4</sub>** C 74,5 — H 4,6 — O 20,9 — M. G. 306.  
1) Oxyaurin (*B. 9*, 801; **11**, 1436; **16**, 2841). — **III, 78.**  
2)  $\alpha$ -Aurinoxid + 2H<sub>2</sub>O (*M. 16*, 371).  
3)  $\beta$ -Aurinoxid (*M. 16*, 372). — **II, 1028.**  
4) Acetat d. 5-Oxy-1,3-Diketo-2,4-Diphenyl-2,3-Dihydro-R-Penten. Sm. 103°—104°. K (*A. 284*, 264). — **III, 320.**  
5)  $\alpha\gamma$ -Lakton d.  $\beta$ -Acetoxyl- $\gamma$ -Oxy- $\alpha\delta$ -Diphenyl- $\alpha\gamma$ -Butadien- $\alpha$ -Carbonsäure (Acetylvinon). Sm. 137°—139° (*A. 284*, 281). — **II, 1899.**  
6) Methylester d. 2-[2-Oxynaphtoyl]benzol-1-Carbonsäure. Sm. 199° (*B. 16*, 301). — **II, 1909.**  
7) 1-Naphtylester d. 2-Acetoxybenzol-1-Carbonsäure. Sm. 91° (*B. 26*, 1468). — **II, 1496.**

- C<sub>19</sub>H<sub>14</sub>O<sub>4</sub>** 8) **2-Naphtylester d. 2-Acetoxybenzol-1-Carbonsäure.** Sm. 136° (B. 26, 1468). — II, 1496.  
9) **Verbindung (aus Isophenanthroxylbenacetessigsäureäthylester).** Sm. 224 bis 226° (Soc. 59, 11). — II, 1908.  
C 70,8 — H 4,3 — O 24,8 — M. G. 322.
- C<sub>19</sub>H<sub>14</sub>O<sub>5</sub>** 1) **3,4,3',4'-Dimethylenäther d. γ-Keto-α-Di[3,4-Dioxyphenyl]-α-Pentadien.** Sm. 185° (B. 24, 617). — III, 252.  
2) **Vulpinsäure (Monomethylester d. Pulvinsäure).** Sm. 148°. NH<sub>4</sub> + H<sub>2</sub>O, K + H<sub>2</sub>O, Ba + 7H<sub>2</sub>O, Piperidinsalz (A. 113, 56; 219, 1; 282, 1, 13; 284, 120, 173; B. 13, 1629, 1633; 14, 873; 15, 1546, 1550; J. 1864, 553, 554; J. pr. [2] 57, 316). — II, 2030.  
3) **Isovulpinsäure.** Sm. 124° (A. 219, 15; B. 15, 1552). — II, 2030.  
4) **Dilaktone d. α-Dioxy-γ-Keto-α-Diphenylpentan-2,2'-Dicarbonsäure (Diphtaliddimethylketon).** Sm. 156—157° (M. 19, 428).  
5) **4-Acetat-3-Methyläther d. 1,3-Diketo-2-[3,4-Dioxybenzyliden]-2,3-Dihydroinden.** Sm. 184—185° (B. 30, 1186).  
C 67,4 — H 4,1 — O 28,5 — M. G. 338.
- C<sub>19</sub>H<sub>14</sub>O<sub>6</sub>** 1) **Trioxaurin (Anhydro-α-Oxytri[m-Dioxyphenyl]methan)** (B. 26, 255). — II, 1124.  
2) **Resaurin (Anhydro-α-Oxytri[m-Dioxyphenyl]methan)** (J. pr. [2] 23, 547; [2] 25, 279). — II, 1124.  
3) **Diacetat d. 6,8-Dioxy-1-Methyl-9,10-Anthrachinon.** Sm. 195° (Soc. 69, 71). — III, 449.  
4) **Diacetat d. 1,3-Dioxy-2-Methyl-9,10-Anthrachinon.** Sm. 217—218° (Soc. 65, 184). — III, 451.  
5) **Diacetat d. 1,4-Dioxy-2-Methyl-9,10-Anthrachinon.** Sm. 185° (B. 10, 2013). — III, 451.  
6) **Diacetat d. 5,7-Dioxy-2-Methyl-9,10-Anthrachinon.** Sm. 165—167° (Soc. 65, 863). — III, 451.  
7) **Diacetat d. Chrysin.** Sm. 185° (B. 26, 2902). — III, 628.  
8) **Diacetat d. Chrysophansäure.** Sm. 202—204° (J. 1861, 392; A. 183, 172; 212, 37; B. 11, 1607). — III, 452.  
9) **Diacetat d. β-Phenylaphnetin.** Sm. 133—134° (B. 26, 2907). — III, 248.  
10) **Diacetat d. 5,7-Dioxy-4-Phenyl-1,2-Benzpyron.** Sm. 181° (183°) (B. 26, 2907; 27, 423). — III, 248.  
11) **Diacetat d. 7,8-Dioxy-2-Phenyl-1,4-Benzpyron.** Sm. 201° (198—199°) (B. 29, 880; 1889). — III, 248.  
12) **Diacetat d. 7-Oxy-2-[4-Oxyphenyl]-1,4-Benzpyron.** Sm. 182—183° (B. 32, 325).  
13) **Monomethylester d. Oxypulvinsäure (Chrysocetrarsäure; Pinastrinsäure).** Sm. 196—198°. K + H<sub>2</sub>O, Ca + 4H<sub>2</sub>O, Ba, Pb + 2H<sub>2</sub>O (A. 284, 107, 176; B. 30, 361; J. pr. [2] 57, 309, 314). — II, 2037.  
C 64,4 — H 3,9 — O 31,6 — M. G. 354.
- C<sub>19</sub>H<sub>14</sub>O<sub>7</sub>** 1) **Diacetat d. Emodin.** Sm. 182—184° (B. 21 [2] 842).  
2) **Diacetyldehydrat d. Diphenylketon-2,4'-Dicarbonsäure.** Sm. 182° (B. 28, 1135). — II, 1976.
- C<sub>19</sub>H<sub>14</sub>O<sub>8</sub>** C 61,6 — H 3,8 — O 34,6 — M. G. 370.
- C<sub>19</sub>H<sub>14</sub>O<sub>9</sub>** 1) **Diacetat d. Rhein.** Sm. 236° (B. 28 [2] 1058).  
2) **Triacetat d. 1,3,7-Trioxyanthon (Fr. d. Gentisein).** Sm. 226° (M. 12, 209). — III, 210.
- C<sub>19</sub>H<sub>14</sub>O<sub>9</sub>** C 59,1 — H 3,6 — O 37,3 — M. G. 386.
- C<sub>19</sub>H<sub>14</sub>N<sub>2</sub>** 1) **Pyrogallaurin (B. 25, 2675).** — II, 2100.  
2) **Diacetylquercetinsäure (A. 119, 213).** — II, 2055.  
C 84,4 — H 5,2 — N 10,4 — M. G. 270.  
1) **9-Phenylhydrazonfluoren.** Sm. 151—151,5° (M. 16, 808). — IV, 778.  
2) **2,5-Diphenylbenzimidazol.** Sm. 197—198°. HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> (A. 206, 347). — IV, 1072.  
3) **3-Benzylidenamidocarbazol.** Sm. 209—210° (G. 21 [2] 383). — IV, 992.  
4) **3-Amido-5-Phenylakridin.** (2HCl, PtCl<sub>4</sub>) (B. 18, 692). — IV, 1072.  
5) **2-Phenylamidoakridin.** Sm. 175—176° (B. 24, 2042). — IV, 1012.  
6) **4-Methyl-2,6'-Bichinolyl (Flavochinolin).** Sm. 138° (B. 19, 1036). — IV, 1072.  
7) **Basis (aus Isochinolinolacto).** Sm. 231° (B. 20, 14). — IV, 1072.



C 76,5 — H 4,7 — N 18,8 — M. G. 298.

- 1) **Methylphenofluorid.** 2HCl (*B.* 29, 1253). — **IV**, 1300.
- 2) **C-N-Dimethyl-5,6-Imidasolonenaphophenazin.** Sm. 264° (*B.* 31, 2406). — **IV**, 1301.



- 1) **2,5-Dichlortriphenylmethan.** Sm. 87° (*A.* 299, 354).
- 1) **Phenylenediphenylmethandibromid.** Sm. 187° (*Bl.* [3] 1, 775). — **II**, 294.



- 1) **C** 88,7 — H 5,8 — N 5,4 — M. G. 257.
- 1)  **$\alpha$ -Phenylimidodiphenylmethan** (Diphenylmethylenanilin). Sm. 112 bis 113° (100%); Sd. oberh. 360° (*A.* 187, 201; *B.* 25, 2056). — **III**, 188.
- 2)  **$\gamma$ -[1-Naphtyl]imido- $\alpha$ -Phenylpropen.** Sm. 65° (*A.* 239, 384). — **III**, 61.
- 3)  **$\gamma$ -[2-Naphtyl]imido- $\alpha$ -Phenylpropen.** Sm. 95—96° (*A.* 239, 384). — **III**, 61.



- 4) **5-Phenyl-5,10-Dihydroakridin.** Sm. 163—164° (*A.* 224, 25). — **IV**, 465.
- C 80,0 — H 5,3 — N 14,7 — M. G. 285.
- 1) **5-Methyl-1-Phenyl-3-[4-Chinolyl]pyrazol.** Sm. 120° (*M.* 17, 408). — **IV**, 1183.
- 2) **2-[4-Methylphenyl]-5-[2-Naphtyl]-1,3,4-Triazol.** Sm. 190° (*B.* 30, 1884; *A.* 298, 42). — **IV**, 1211.
- 3) **1-Phenyl-2-[4-Amidophenyl]benzimidazol.** Sm. 198—199°. HCl +  $\frac{1}{4}$ H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> +  $\frac{1}{2}$ H<sub>2</sub>O (*Bl.* [3] 19, 28; *A. ch.* [7] 14, 424). — **IV**, 1181.
- 4) **5-Amido-1,2-Diphenylbenzimidazol.** Sm. 191°. + H<sub>2</sub>O (Sm. 172 bis 173° (*Bl.* [3] 17, 870). — **IV**, 1180.
- 5) **2-Amido-5-[4-Amidophenyl]akridin** (Chrysanilin). Sm. 267—270°. + C<sub>6</sub>H<sub>6</sub>, HCl 2HCl + H<sub>2</sub>O, HNO<sub>3</sub>, 2HNO<sub>3</sub>, 2Pikrat + H<sub>2</sub>O (*B.* 2, 378; 12, 2241; 17, 436; *25* [2] 503; *A.* 226, 178, 188; *J.* 1862, 346). — **IV**, 1211.



- 1)  **$\alpha$ -Chlortriphenylmethan.** Sm. 105—115° (*B.* 7, 1208; *A.* 194, 254; *A. ch.* [6] 1, 502). — **II**, 287.



- 1)  **$\alpha$ -Bromtriphenylmethan.** Sm. 152°. + Br<sub>2</sub>, + J<sub>4</sub> (*B.* 14, 1520; *16*, 1276; 17, 700; *A.* 227, 110; *J.* 1884, 462; *C.* 1898 [2] 1131, 1132). — **II**, 287.



- 1)  **$\alpha$ -Bromtriphenylmethanpentabromid** (*C.* 1898 [2] 1131). C 87,7 — H 6,1 — O 6,1 — M. G. 260.
- 1)  **$\alpha$ -Oxytriphenylmethan** (Triphenylcarbinol). Sm. 162,5° (159°); Sd. oberh. 360° (*A.* 194, 271; *J.* 1881, 518; *B.* 7, 1206; *14*, 1522, 1944; *16*, 1274; *26*, 2225; *28*, 2514; *J. pr.* [2] 36, 311; *Bl.* [3] 9, 374; [3] 21, 291; *A. ch.* [6] 1, 500; *Am.* 19, 702). — **II**, 1083.
- 2) **2-Oxytriphenylmethan.** Sm. 118° (*A.* 241, 367). — **II**, 903.
- 3)  **$\alpha$ -Keto- $\alpha$ -Diphenyl- $\alpha$  $\gamma$ -Heptatrien.** Sm. 106° (*B.* 29, 614). — **III**, 257.
- 4) **2-Keto-1,3-Dibenzyliden-R-Pentamethylen.** Sm. 189° (*B.* 29, 1837).
- 5) **Verbindung** (aus Isoamyloxanthranolchlorid). Sm. 170° (*A.* 212, 91). — **III**, 244.



- C 82,6 — H 5,8 — O 11,6 — M. G. 276.
- 1) **4,4'-Dioxytriphenylmethan.** Sm. 161° (*A.* 206, 153; *217*, 230; *B.* 12, 1464; 22, 1944). — **II**, 1003.



- 2) **Aethyläther d. Phenyl-P-Oxy-1-Naphtylketon.** Sm. 74—75° (*B.* 23, 1209). — **III**, 254.
- 3) **3,5-Diketo-4-Benzyliden-1-Phenylhexahydrobenzol.** Sm. 232° (*A.* 294, 310).



- 4) **Benzato d. 2-Oxy-1,4-Dimethylnaphthalin.** Sm. 124—125° (*B.* 31, 1679). C 78,1 — H 5,5 — O 16,4 — M. G. 292.



- 1)  **$\alpha$ -Trioxytriphenylmethan** (Leukaurin) (*A.* 166, 286; *194*, 136; *202*, 197). — **II**, 1028.
- 2)  **$\alpha$ -Oxy-4,4'-Dioxytriphenylmethan** (*A.* 217, 227; *B.* 18, 988). — **II**, 1115.



- 3) **Triphenyläther d. Trioxymethan** (Orthoameisensäuretriphenyläther). Sm. 76—77°; Sd. 260—270° <sub>m.p.</sub> (*B.* 15, 2683; *18*, 2657). — **II**, 655.
- 4) **Methyläther d. 5-Oxy-1,3-Diketo-2-Methyl-2,4-Diphenyl-2,3-Dihydro-R-Penten.** Sm. 79° (*A.* 284, 270). — **III**, 321.

- 5) **Dimethyläther d.  $\beta$ -Oxy-2-[2-Oxybenzoyl]naphthalin.** Sm. 66—68° (*A.* 257, 91). — **III**, 256.

- 6) **Dimethyläther d.  $\beta$ -Oxy-2-[2-Oxybenzoyl]naphthalin.** Sm. 64—66° (*A.* 257, 93). — **III**, 255.

- C<sub>15</sub>H<sub>16</sub>O<sub>5</sub>**
- 7) **2-Keto-4,5-Diphenyl-2,3-Dihydro-R-Penten-1-Methylcarbonsäure.** Sm. 126—127°. Ag (Soc. 71, 150).
  - 8) **Aethylester d. 2,5-Diphenylfuran-3-Carbonsäure.** Sm. 82° (B. 21, 1490). — III, 713.
  - 9) **Acetat d.-γ-Keto-α-Phenyl-α-[2-Oxyphenyl]-α-Pentadien.** Sm. 72—73° (B. 31, 729).
- C<sub>15</sub>H<sub>16</sub>O<sub>4</sub>**
- 1) **1,3,1',3'-Tetraoxypyridinylmethan.** Sm. 171° (B. 13, 611; A. 217, 235). — II, 1038.
  - 2) **3-Oxy-1-Keto-3,4-Diphenyl-2,3-Dihydro-R-Penten-2-Methylcarbonsäure.** Ag (Soc. 71, 148).
  - 3) **3-Oxy-1-Keto-3,4-Diphenyl-2,3-Dihydro-R-Penten-5-Methylcarbonsäure.** Sm. 178—179°. NH<sub>4</sub>, Na, K, Ba + 5H<sub>2</sub>O (Soc. 71, 147).
  - 4) **Aethylester d. 1,3-Diketo-2-Phenyl-1,2-Dihydroinden-2-Methylcarbonsäure.** Sm. 104° (B. 26, 2579). — II, 1906.
  - 5) **Acetat d. Thebenol.** Sm. 102—103° (B. 30, 1381).
  - 6) **Diacetat d. 3,10-Dioxy-1-Methylanthracen.** Sm. 172—173° (B. 31, 2795).
  - 7) **Diacetat d. Methylxanthanol.** Sm. 217° (B. 21, 1172). — III, 245.
  - 8) **Benzoot d. β-Oxy-β-Keto-γ-Benzoyl-β-Penten** (2 isom. Formen). Sm. 102—103° u. 66—67° (A. 277, 68, 202; 291, 97, 106, 108). — III, 315.
- C<sub>15</sub>H<sub>16</sub>O<sub>5</sub>**
- 1) **Trimethyl-β-Dehydrobasilin.** (M. 16, 913). — III, 655.
  - 2) **α-Acetat-β-Methyläther d. α,β-Dioxy-γ-Diketo-α,β-Diphenyl-α-Buten.** Sm. 95° (B. 27, 715). — III, 917.
  - 3) **Dimethyläther d. Citrakonfluorescin** (Soc. 63, 679). — II, 2026.
  - 4) **Monäthylester d. γ-Keto-β-Diphenylpropen-α,α-Dicarbonsäure** (M. d. Desymalonsäure). Sm. 124° (Soc. 67, 134). — II, 1981.
  - 5) **Dihthylester d. 9-Ketofluoren-1,4-Dicarbonsäure.** Sm. 114,5° (A. 229, 154). — II, 1979.
- C<sub>15</sub>H<sub>16</sub>O<sub>6</sub>**
- 1) **1,2,3,1'2',3'-Hexaoxytriphensylmethan + 2H<sub>2</sub>O** (Hydropyrogallolbenzin) (A. 257, 65). — II, 1043.
  - 2) **γ<sup>1</sup>-Acetat-α<sup>14</sup>-Methylenäther-γ<sup>4</sup>-Methyläther d. γ-Keto-γ-[2,4-Dioxyphenyl]-α,3,4-Dioxyphenylpropen.** Sm. 158—159° (B. 32, 313).
  - 3) **Monacetat d. Apigenindimethyläther.** Sm. 195—196° (Soc. 71, 812).
  - 4) **α<sup>2</sup>-Diketo-α<sup>2</sup>-Diphenylpentan-γγ-Dicarbonsäure** (Diphenacylmalonsture). Sm. 134° (B. 19, 3144). — II, 2034.
  - 5) **Verbindung (aus Pinastrinsäure)?** Sm. 171—173° (A. 284, 110). — II, 2037.
- C<sub>15</sub>H<sub>16</sub>O<sub>7</sub>**
- 1) **Triacetat d. 2,3,4[oder 3,4,5]-Trioxydiphenylketon.** Sm. 117° (A. 269, 300). — III, 202.
- C<sub>15</sub>H<sub>16</sub>O<sub>6</sub>**
- 1) **Parellinsäure.** Sm. 230° u. Zers. Ba + 6H<sub>2</sub>O (J. pr. [2] 58, 524).
- C<sub>15</sub>H<sub>16</sub>O<sub>9</sub>**
- 1) **Diacetat d. Anhydro-α,α-Di[2,3,4(?) -Trioxyphephenyl]propionsäure.** Sm. 110° (B. 16, 2408). — II, 2078.
- C<sub>15</sub>H<sub>16</sub>O<sub>10</sub>**
- 1) **Ampelochroinsäure.** 3 Modifik. (Bl. [3] 7, 825; B. 25 [2] 478). — III, 673.
  - 2) **Eichengerbsäure, siehe C<sub>17</sub>H<sub>16</sub>O<sub>9</sub>.** — III, 586.
  - 3) **Farbstoff (aus Weintrauben) oder C<sub>15</sub>H<sub>16</sub>O<sub>9</sub>.** K<sub>4</sub>, Cu<sub>4</sub>, Ag<sub>4</sub> (G. 27, [2] 479).
- C<sub>15</sub>H<sub>16</sub>N<sub>2</sub>**
- 1) **4-Benzylidenamido-1-Phenylamidobenzol.** Sm. 107—109° (A. 255, 189). — IV, 596.
  - 2) **α-Phenylimido-α-Phenylamido-α-Phenylmethan** (Diphenylbenzylamidin). Sm. 144°. HCl, (2HCl, PtCl<sub>4</sub>), Pikrat (A. 108, 219; 135, 82; 184, 83, 334; 265, 155; Z. 1866, 165; B. 15, 233; 18, 1476). — IV, 842.
  - 3) **α-Imido-α-Diphenylamido-α-Phenylmethan** (Isodiphenylbenzylamidin). Sm. 111,5—112°. HCl, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub>, Rhodanid (A. 102, 4; 265, 157). — IV, 842.
  - 4) **α-Benzyliden-γβ-Diphenylhydrazin.** Sm. 122° (A. 190, 179). — IV, 750.

- C<sub>19</sub>H<sub>18</sub>N<sub>2</sub>**
- 5) **4-Benzylidenhydrazidobiphenyl.** Sm. 153° (B. 27, 3107). — **IV**, 970.
  - 6) **α-Phenylhydrazondiphenylmethan** (Benzophenonphenylhydrazon). Sm. 137° (B. 17, 576; 19, 1206; 26, 2168; A. 232, 228). — **IV**, 775.
  - 7) **2-Phenylhydrazonmethylbiphenyl.** Sm. 115° (118—124°) (C. 1897 [1] 413; M. 19, 588).
  - 8) **α,α-Diphenylazo-α-Phenylhydrazonmethan** (Formazylazobenzol). Sm. 162—163°. Cu, Ag (B. 25, 3189; 3205, 3457; 27, 148). — **IV**, 1492.
  - 9) **Benzhydrazoīn.** Sm. 55° (B. 19, 2239). — **IV**, 1502.
- C<sub>19</sub>H<sub>18</sub>N<sub>4</sub>**
- C 76,0 — H 5,3 — N 18,7 — M. G. 300.
  - 1) **α-Phenylhydrazon-α-Phenylimido-α-Phenylamidomethan.** Sm. 111° (B. 25, 3118). — **IV**, 1224.
  - 2) **α-Arylazo-α-Phenylhydrazon-α-Phenylmethan** (Phenylformazyl; Formazylbenzol). Sm. 174—175° (B. 25, 3456; 27, 158, 162, 322, 323, 1690). — **IV**, 1260.
  - 3) **5-Amido-2-[4-Amidophenyl]-1-Phenylbenzimidazol.** Sm. 270—272°. H<sub>2</sub>SO<sub>4</sub> + 1/2 H<sub>2</sub>O (Bl. [3] 19, 29). — **IV**, 1287.
  - 4) **2-Diamido-1,2-Diphenylbenzimidazol.** Sm. 229—231° (Bl. [3] 17, 872).
  - 5) **6-Amido-2,3-Diphenyl-2,3-Dihydro-1,2,4-Benstriazin.** Sm. 223° u. Zera. H<sub>2</sub>SO<sub>4</sub> (B. 30, 2506). — **IV**, 1286.
  - 6) **Methylphenosafranin.** HCl (B. 30, 402). — **IV**, 1283.
  - 7) **Methyramidoposafranin.** HBr (B. 30, 2490). — **IV**, 1279.
  - 8) **Triphenyläther d. Trimerkaptomethan.** Sm. 39,5° (B. 10, 185). — **II**, 784.
  - 9) **C 88,0 — H 6,6 — N 5,4 — M. G. 259.**
  - 1) **3-Amidotriphenylmethan.** Sm. 120°. HCl (B. 21, 189). — **II**, 641.
  - 2) **4-Amidotriphenylmethan.** Sm. 83—84°. HCl, (2HCl, PtCl<sub>4</sub>) + C<sub>6</sub>H<sub>6</sub> (A. 206, 155; B. 23, 1623). — **II**, 641.
  - 3) **Triphenylmethylamin.** Sm. 105° (102°). HCl, (2HCl, PtCl<sub>4</sub> + 7/4 H<sub>2</sub>O) (B. 16, 1276; 17, 442, 702, 741). — **II**, 641.
  - 4) **2-Methyltriphenylamin** (Diphenyl-o-Toluidin). Sm. 69—70° (B. 31, 2988).
  - 5) **Diphenylbenzylamin.** Sm. 86,5—87° (95%). (B. 8, 1196; 11, 1761; 14, 1385). — **II**, 518.
  - 6) **2-Dimethylamido-1-Benzylbenzol.** Sm. 89° (Soc. 41, 198). — **II**, 635.
  - 7) **4-[α-Amidobenzyl]biphenyl.** Sm. 77°. HCl, (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O), HNO<sub>3</sub>, Aceta (M. 12, 508). — **II**, 642.
  - 8) **3,6-Dibenzylpyridin.** Sm. 89°; Sd. oberh. 300°. HCl, HBr, HNO<sub>3</sub> (A. 280, 42; B. 24, 2186; 25, 2421). — **IV**, 456.
  - 9) **2-Phenyl-1,2,3,4-Tetrahydro-α-Naphtochinolin.** Fl. (A. 249, 127). — **IV**, 457.
  - 10) **Base** (aus α-Methyliziminsäurealdehyd u. Anilin). (2HCl, PtCl<sub>4</sub>) (B. 19, 529). — **IV**, 456.
- C<sub>19</sub>H<sub>17</sub>N<sub>3</sub>**
- C 79,4 — H 5,9 — N 14,6 — M. G. 287.
  - 1) **α-Phenylimido-α-Phenylamido-α-[4-Amidophenyl]methan** (Carbotriphenyltriamin). Sm. 198°. HCl, (2HCl, PtCl<sub>4</sub>) (J. 1858, 352; A. 160, 173; B. 10, 358; 12, 101, 104; 14, 2174). — **IV**, 1138.
  - 2) **α-Phenylimido-α-Phenylhydrazido-α-Phenylmethan.** Sm. 119°. HCl, Pikrat (B. 28, 2372). — **IV**, 1137.
  - 3) **α-Phenylamido-α-Phenylhydrazon-α-Phenylmethan.** Sm. 174—175°. HCl, Pikrat (B. 28, 2373; J. pr. [2] 54, 122). — **IV**, 1137.
  - 4) **α-Triphenylguanidin.** Sm. 143° (145°). HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, Oxalat, Acetat, Pikrat. Lit. bedeutend. — **II**, 349.
  - 5) **uns-β-Triphenylguanidin.** Sm. 131°. HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (B. 8, 294). — **II**, 351.
  - 6) **Isotriphenylguanidin.** HCl + 1/4 H<sub>2</sub>O (B. 7, 1231).
  - 7) **α,α-Diphenyl-β-[α-Imidobenzyl]hydrazin** (Diphenylbenzylhydrazin). Sm. 170°. HCl (J. pr. [2] 54, 171). — **IV**, 1137.
  - 8) **1-Phenylbenzylamidodiazobenzol.** Sm. 81° (B. 19, 2037). — **IV**, 1572.
  - 9) **Phenylazotetrahydro-α-Naphtochinolin.** H<sub>2</sub>SO<sub>4</sub> (B. 24, 2478). — **IV**, 1487.
  - 10) **4-Phenylazo-1,2,3,4-Tetrahydro-β-Naphtochinolin.** Sm. 96,5—97° (B. 24, 2645). — **IV**, 1582.
  - 11) **5-Aethylamido-10-Methyl-α,β-Naphtophenazin.** Sm. 182°. (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>4</sub>), HNO<sub>3</sub> (B. 23, 3806). — **IV**, 1210.

- C<sub>19</sub>H<sub>17</sub>N<sub>5</sub>** 12) **5-Dimethylamido-10-Methyl- $\alpha\beta$ -Naphtoberazin.** Sm. 230° (2HCl, PtCl<sub>4</sub>, HCl, AuCl<sub>4</sub>) (B. 23, 3809). — IV, 1210.  
 13) **Mauvanilin +  $\frac{1}{2}$ H<sub>2</sub>O (Z. 1867, 236).** — III, 677.  
 14) **3-Aethyl-2-Phenyl-2,3-Dihydro-1,2,4-Naphtosiazin.** Sm. 219°. HCl, (2HCl, PtCl<sub>4</sub>) (B. 24, 1006). — IV, 1393.
- C<sub>19</sub>H<sub>17</sub>N<sub>5</sub>** 1) **Dibenzyladenin.** Sm. 171°. HCl, HNO<sub>3</sub> (H. 18, 427). — IV, 1320.  
 2) **4-Methylphenylazophenylamidodiazobenzol.** Zers. bei 72—73° (B. 28, 171). — IV, 1572.  
 3) **5-[2-Amido-1-Naphthyl]azo-1,2-Dimethylbenzimidazol.** Sm. 260° (B. 29, 1055). — IV, 1490.  
 4) **6-Amido-3-[2-Amidophenyl]-2-Phenyl-2,3-Dihydro-1,2,4-Benztriazin.** Sm. 204° u. Zers. (B. 30, 2601). — IV, 1287.  
 5) **6-Amido-3-[3-Amidophenyl]-2-Phenyl-2,3-Dihydro-1,2,4-Benztriazin.** Sm. 187° u. Zers. (B. 30, 2602). — IV, 1287.  
 6) **6-Amido-3-[4-Amidophenyl]-2-Phenyl-2,3-Dihydro-1,2,4-Benztriazin.** Sm. 200° u. Zers. (B. 30, 2602). — IV, 1287.
- C<sub>19</sub>H<sub>17</sub>P** 1) **Diphenyl-4-Methylphenylphosphin.** Sm. 68° (B. 21, 1511). — IV, 1671.
- C<sub>19</sub>H<sub>15</sub>O** 1)  **$\gamma$ -Keto- $\alpha\epsilon$ -Diphenyl- $\beta\delta$ -Dimethyl- $\alpha\delta$ -Pentadien** (Dibenzaläthylketon). Sm. 122° (A. 212, 1887).  
 2) **9-Keto-10-Isoamyliiden-9,10-Dihydroanthracen** (Isoamylanthen). Sm. 71—72° (A. 212, 93, 94). — III, 244.
- C<sub>19</sub>H<sub>15</sub>O<sub>2</sub>** 1) **1-Oxy-3-Keto-2-Aethyl-1,5-Diphenyl-2,3-Dihydro-R-Penten.** Sm. 156° (Soc. 51, 432). — III, 253.  
 2) **1-Oxy-3-Keto-2,4-Dimethyl-1,5-Diphenyl-2,3-Dihydro-R-Penten.** Sm. 150° (Soc. 51, 432). — III, 253.  
 3) **Benzyläther d. 6-Oxy-4-Keto-2-Phenyl-1,2,3,4-Tetrahydrobenzol.** Sm. 129—130° (A. 204, 304).  
 4) **Formiat d. Geraniol.** Sd. 112—114° (B. 29, 907 Anm.). — III, 477.  
 C 77,5 — H 6,1 — O 16,3 — M. G. 294.  
 5) **Dimethyläther d.  $\gamma$ -Keto- $\alpha\epsilon$ -Di[2-Oxyphenyl]- $\alpha\delta$ -Pentadien.** Sm. 123° (B. 31, 1511); J. pr. [2] 60, 148.  
 6) **Butyryldibenzoylmethan.** Sm. bei 115° (Am. 19, 880).  
 7) **2-Propionylphenyl-4-Propionylphenylketon.** Sm. 105° (B. 28, 1135). — III, 321.  
 8) **Aethyläther d. Thebenol** (Aethebenol). Sm. 103—105° (B. 32, 184).  
 9) **Monoisovalerat d. 8,10-Dioxyphenanthren.** Sm. 145° (A. 249, 142). — II, 1001.  
 C 73,6 — H 5,8 — O 20,6 — M. G. 310.  
 10)  **$\alpha$ -Methyläther- $\beta$ -Aethyläther d.  $\alpha\beta$ -Dioxy- $\gamma\delta$ -Diketo- $\alpha\delta$ -Diphenyl- $\alpha$ -Buten.** Sm. 105° (B. 27, 719). — III, 317.  
 11) **4-Aethyläther-2-Aacetat d.  $\gamma$ -Keto- $\gamma$ -[2,4-Dioxyphenyl]- $\alpha$ -Phenylpropan.** Sm. 74—75° (B. 31, 638).  
 12)  **$\alpha\beta$ -Aethyläther- $\gamma\beta$ -Acetat d.  $\gamma$ -Keto- $\alpha\gamma$ -Di[2-Oxyphenyl]propan.** Sm. 68° (B. 32, 321).  
 13) **Diäthyläther d. 7,8-Dioxy-2-Phenyl-1,4-Benzpyron.** Sm. 115° (B. 29, 1889).  
 14) **Phenotoluchinon.** Sm. 18° (C. 1898 [1] 887).  
 15) **o-Kresophenochinon.** Sm. 67° (C. 1898 [1] 887).  
 16) **p-Kresophenochinon.** Sm. 48° (C. 1898 [1] 887).  
 17)  **$\alpha\delta$ -Di[4-Methoxyphenyl]- $\alpha\gamma$ -Butadien- $\beta$ -Carbonsäure (p-Dianisylpentolsäure).** Sm. 160°. Ca + 3H<sub>2</sub>O, Ba + 2H<sub>2</sub>O, Ag (A. 255, 299). — II, 1899.  
 18)  **$\alpha$ -Oxy- $\beta$ -Phenylakryleugenoläthersäure.** Sm. 142°. Na, Ba +  $\frac{1}{2}$ H<sub>2</sub>O, Ag (A. 23 [1] 557). — II, 1637.  
 19)  **$\alpha$ -Phenyl- $\beta$ -Benzyl- $\alpha\beta$ -Buten- $\gamma\delta$ -Dicarbonsäure.** Sm. 146—147°. Na<sub>2</sub>, Ca, Ba, Ag<sub>2</sub> (B. 28, 3194; A. 308, 177).  
 20) **Monomethylester d.  $\alpha$ -Truxillsäure.** Sm. 195°. Ag (B. 27, 1414). — II, 1901.  
 21) **Monomethylester d.  $\gamma$ -Truxillsäure.** Sm. 180°. Ag (B. 27, 1415). — II, 1903.

- $C_{19}H_{18}O_4$
- 13) Aethylester d.  $\alpha\beta$ -Diketo- $\alpha\beta$ -Diphenylbutan- $\beta$ -Carbonsäure. Sm. 55 bis 58° (B. 21, 1487). — II, 1899.
  - 14)  $\beta$ -Monäthylester d.  $\alpha\alpha$ -Diphenylpropen- $\beta\gamma$ -Dicarbonsäure (M. d. Diphenyltakonsäure). Sm. 124,5—125,5°. Ba, Ag (A. 282, 318; B. 28, 3192). — II, 1900.
  - 15) Verbindung (aus d. Lakton d. Dihydrocorniculinsäure u. Essigsäure-anhydrid). Sm. 98—99° (A. 219, 29). — II, 1717.
  - 16) Verbindung (aus ?-Dimethyl-6-Phenylcumarin u. 1,4-Dioxybenzol). Sm. 113° (B. 29, 1677; G. 26 [2] 343).
- $C_{19}H_{18}O_5$
- 1) Diäthyläther d. Apigenin. Sm. 161—162° (Soc. 71, 814).
  - 2)  $\gamma$ -Acetat- $\alpha\gamma$ -Dimethyläther d.  $\gamma$ -Keto- $\gamma$ -[2,4-Dioxypyphenyl]- $\alpha$ -[4-Oxyphenyl]propen. Sm. 103—104° (B. 32, 322).
  - 3)  $\gamma$ -Keto- $\alpha\alpha$ -Diphenylpentan- $\beta\delta$ -Dicarbonsäure ( $\alpha\alpha$ -Dibenzylacetondicarbonsäure). Sm. 115—116°. Ag (A. 261, 185). — II, 1978.
  - 4) Diäthylester d. 4-[?]-Benzoylbenzol-1,3-Dicarbonsäure. Sm. 95° (B. 9, 1763). — II, 1975.
  - 5) Diäthylester d. 2-Benzoylbenzol-1,4-Dicarbonsäure. Sm. 100—101° (J. 1878, 403). — II, 1975.
  - 6) Diäthylester d. Diphenylketomethan-2,2'-Dicarbonsäure. Sm. 73 bis 74° (A. 242, 246). — II, 1975.
  - 7) Diacetat d. Lapachol. Sm. 131—132° (G. 12, 360; 19, 606). — III, 399. C 66,7 — H 5,5 — O 24,5 — M. G. 326.
- $C_{19}H_{18}O_6$
- 1) Amanitin (C. 1896 [2] 307).
  - 2) Tetramethyläther d. Fisetin. Sm. 152—153° (B. 19, 1746). — III, 584.
  - 3) Tetramethyläther d. Luteolin. Sm. 191—192° (Soc. 69, 211). — III, 584.
  - 4)  $\alpha\alpha$ -Di[ $\beta$ -Acetoxyphenyl]propionsäure. Ba (B. 16, 2074). — II, 1882.
  - 5)  $\alpha$ -Keto- $\alpha$ -[4-Methoxyphenyl]- $\gamma$ -Phenylbutan- $\delta\delta$ -Dicarbonsäure. Sm. 166° u. Zera (A. 281, 61). — II, 2027.
  - 6) Trimethylester d. Diphenyläther- $\alpha\beta\beta$ -Tricarbonsäure. Sm. 145° (A. 242, 236). — II, 2024.
  - 7) Monäthylester d.  $\beta$ -Oxy- $\alpha$ -Keto- $\alpha\beta$ -Diphenylpropan- $\gamma\gamma$ -Dicarbonsäure (M. d. Benzoënylmalonösäure). Sm. 134°. Na (Soc. 67, 133). — II, 2025.
  - 8) Aethylester d. d- $\alpha\beta$ -Dibenzoxypropionsäure. Sm. 25° (Soc. 69, 107).
  - 9) Diacetat d. Alkamin. Ba (B. 13, 1515). — III, 650.
  - 10) Diacetat d.  $\alpha$ -Oxylapachol. Sm. 82° (Soc. 67, 791). — III, 402. C 63,7 — H 5,0 — O 31,3 — M. G. 358.
- $C_{19}H_{18}O_7$
- 1) Tetramethyläther d. Morin. Sm. 131—132° (Soc. 69, 796). — III, 683.
  - 2) Tetramethyläther d. Quercetin. Sm. 156—157° (A. 196, 317; M. 5, 83; 6, 889; 8, 552; Soc. 71, 819; 73, 271). — III, 604.
  - 3) Diacetatsolorinsäure. Sm. 147—148° (A. 284, 114). — II, 1971. C 61,0 — H 4,8 — O 34,2 — M. G. 374.
- $C_{19}H_{18}O_8$
- 1) Methylester d. Atranoräsure (Atranorin, Parmelin) oder  $C_{19}H_{18}O_8$ . Sm. 195—197° (187—188°) (J. 1877, 811; G. 10, 157; 12, 19, 256; A. 284, 174; 288, 38; 295, 224; 296, 274; B. 30, 358, 1984; J. pr. [2] 57, 274, 280, 410 Anm.). — II, 2033.
- $C_{19}H_{18}O_9$
- 1) Verbindung (aus d. Trimethyläther d.  $\gamma$ -Trioxy-4-Methylcumarin). Sm. 253—254° (G. 23 [2] 615). — II, 2007.
- $C_{19}H_{18}O_{11}$
- 1) Euxanthinsäure +  $2H_2O$ . Sm. 156—158° u. Zera (161—162°).  $(NH_4)_2$ , K, Mg +  $5H_2O$ , Pb (J. pr. [1] 33, 190; A. 51, 426; 93, 87; 155, 264; 254, 267; 290, 155, 158; B. 15, 1964; 19, 2919; 25, 2569). — II, 2102.
- $C_{19}H_{18}O_{14}$
- 1) Benzoylhexaglyoxalhydrat (A. 172, 7). — I, 966. C 48,5 — H 3,8 — O 47,7 — M. G. 470.
- $C_{19}H_{18}N_2$
- 1) 3,5-Di[Phenylamido]-1-Methylbenzol. Sm. 105° (J. pr. [2] 33, 542). — IV, 625.
  - 2) 4',4'-Diamidotriphenylmethan. Sm. 139°. +  $C_6H_6$  (Sm. 1069), (2 HCl,  $PtCl_4$ ),  $H_2SO_4$  (B. 11, 276, 840; 12, 975, 1693; 13, 665, 985; 15, 236, 676; A. 206, 147; 217, 246; J. pr. [2] 36, 247; G. 14, 511; 16, 51). — IV, 1041.

- C<sub>19</sub>H<sub>18</sub>N<sub>2</sub>**
- 3) **4-Benzylamidodiphenylamin.** Sm. 124° (*A.* **255**, 190). — **IV, 586.**
  - 4) **α-Methylimido-α-[Methyl-2-Naphthyl]amido-α-Phenylmethan** (Benzyl-β-Naphthylmethanimid-Methylimidin). Fl. Pikrat (*B.* **28**, 2369). — **IV, 845.**
  - 5) **α-[2-Naphthyl]imido-α-Dimethylamido-α-Phenylmethan** (Benzyl-dimethylamid-β-Naphthylimidin). Fl. HJ. Pikrat (*B.* **28**, 2371). — **IV, 845.**
  - 6) **Dehydrocinchen + 3H<sub>2</sub>O.** Sm. bei 60°. (2HCl, PtCl<sub>4</sub>, 2HBr (*B.* **19**, 2857; **28**, 1077). — **III, 839.**
- C<sub>19</sub>H<sub>18</sub>N<sub>4</sub>**
- 1) **α-Phenylhydrazone-αα-Di[Phenylamido]methan** (Diphenylanilguanidin). Sm. 180°. HCl, (2HCl, PtCl<sub>4</sub>, H<sub>2</sub>SO<sub>4</sub>, Pikrat (*B.* **21**, 2272; **25**, 3116). — **IV, 1224.**
  - 2) **α-Phenylhydrazondi[3-Amidophenyl]methan.** Sm. 183° (*B.* **20**, 511). — **IV, 775.**
  - 3) **α-Phenylhydrazido-α-Phenylhydrazone-α-Phenylmethan** (Benzyl-diphenylazidin). Sm. 170° (*B.* **17**, 183). — **IV, 1246.**
  - 4) **4-Methylbenzyl-2-Naphthylhydrazidin.** Sm. 202° (*B.* **30**, 1883; *A.* **298**, 42). — **IV, 1298.**
- C<sub>19</sub>H<sub>18</sub>N<sub>6</sub>**
- 1) **Benzoldisazobenzol-2,4-Toluylendiamin** (*B.* **16**, 2035). — **IV, 1385.**
  - 2) **Phenylenediamin-Disazobenzoltoluol.** Sm. 192° (*B.* **16**, 2029). — **IV, 1384.**
  - 3) **isom. Phenylenediamin-Disazobenzoltoluol.** Sm. 225° (*B.* **16**, 2030). — **IV, 1385.**
  - 4) **isom. Phenylenediamin-Disazobenzoltoluol.** Sm. 214° (*B.* **16**, 2030). — **IV, 1385.**
- C<sub>19</sub>H<sub>18</sub>S**
- 1) **2,4,6-Trimethylphenyläther d. 1-Merkaptonaphthalin.** Sm. 120,6°; Sd. 245°<sub>11</sub> (*B.* **28**, 2329).
  - 2) **2,4,6-Trimethylphenyläther d. 2-Merkaptonaphthalin.** Sm. 87,5°; Sd. 245°<sub>11</sub> (*B.* **28**, 2330).
- C<sub>19</sub>H<sub>19</sub>N**
- 1) **P-[1-Hexahydropyridyl]anthracen.** (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (*B.* **23**, 1385). — **IV, 10.**
  - 2) **P-[1-Hexahydropyridyl]phenanthren.** Sm. 113°. (2HCl, PtCl<sub>4</sub> + 6H<sub>2</sub>O) (*B.* **23**, 1386). — **IV, 10.**
- C<sub>19</sub>H<sub>19</sub>N<sub>3</sub>**
- 1) **Tri[2-Amidophenyl]methan** (o-Leukanilin). Sm. 165°. 3HCl, 4HCl + H<sub>2</sub>O (*B.* **16**, 1305; **28**, 1701). — **IV, 1193.**
  - 2) **Tri[4-Amidophenyl]methan** (p-Leukanilin). Sm. 148°. 3HCl + H<sub>2</sub>O (*A.* **194**, 268; 272; *B.* **12**, 2241; **13**, 669; **15**, 678; **16**, 1301; *J.* **1862**, 349). — **IV, 1194.**
  - 3) **3',4',4'-Triamidotriphenylmethan** (Pseudoleukanilin). Sm. 150°. + C<sub>6</sub>H<sub>6</sub> (Sm. 145°). (6HCl, 3PtCl<sub>4</sub>) (*B.* **13**, 672). — **IV, 1193.**
  - 4) **2-Aethylamido-1-[2-Methylphenyl]azonaphtalin.** Sm. 132° (*B.* **17**, 2670). — **IV, 1400.**
  - 5) **2-Aethylamido-1-[4-Methylphenyl]azonaphtalin.** Sm. 112—113° (*B.* **17**, 2670). — **IV, 1400.**
  - 6) **3,5-Di[4-Amidobenzyl]pyridin.** Sm. 155—157°. 3HCl (*A.* **280**, 57). — **IV, 1197.**
  - 7) **6-Aethylphenylamido-4-Methyl-2-Phenyl-1,3-Diazin.** Sm. 87° (*Am.* **20**, 488). — **IV, 1168.**
- C<sub>19</sub>H<sub>19</sub>Cl**
- 1) **10-Chlor-9-Isoamylanthracen.** Sm. 70—71° (*B.* **14**, 797; *A.* **212**, 111). — **II, 277.**
- C<sub>19</sub>H<sub>19</sub>Br**
- 1) **10-Brom-9-Isoamylanthracen.** Sm. 76°. Pikrat (*B.* **14**, 797; *A.* **212**, 111). — **II, 277.**
- C<sub>19</sub>H<sub>20</sub>O**
- 1) **10-Keto-9-Isoamyl-9,10-Dihydroanthracen.** Sm. 252—253° (*B.* **21**, 2509). — **III, 250.**
- C<sub>19</sub>H<sub>20</sub>O<sub>2</sub>**
- 1) **Isoamyloxanthrol.** Sm. 125° (*B.* **13**, 1598; *A.* **212**, 73). — **III, 244.**
  - 2) **αη-Diketo-αη-Diphenylheptan.** Sm. 67—68°; Sd. oberh. 300° u. ger. Zers. (*Soc.* **55**, 347). — **III, 301.**
  - 3) **αγ-Diketo-αγ-Di[4-Aethylphenyl]propan.** Sm. 42° (*Bl.* [3] **9**, 700). — **III, 301.**

- $C_{19}H_{20}O_2$
- 4)  $\alpha\gamma$ -Diketo- $\alpha\gamma$ -Di[2,4(?) -Dimethylphenyl]propan. Sm. 82° (Bl. [3] 9, 701). — III, 301.
  - 5)  $\alpha\gamma$ -Diketo- $\alpha\gamma$ -Di[2,5-Dimethylphenyl]propan. Sm. 101—102° (Bl. [3] 9, 702). — III, 301.
  - 6)  $\alpha\gamma$ -Diketo- $\alpha\gamma$ -Di[3,4(?) -Dimethylphenyl]propan. Sm. 138° (Bl. [3] 9, 700). — III, 301.
  - 7) Diphenyloxeton. Fl. (A. 288, 200).
  - 8) 2,6-Diphenyl-3,5-Dimethyltetrahydro-1,4-Pyron. Sm. 106° (109°); Sd. 235—237°, (B. 29, 1352; 30, 2262 Ann.; 31, 1887). — III, 239.
  - 9) Säure (aus Benzyl-4-Methylphenylketon). Sm. 92,5°. Ca, Ba (B. 14, 1646). — II, 1477.
  - 10) Aethylester d. Distyrensäure. Fl. (A. 216, 185). — II, 1476.
  - 11) 3-Methyl-6-Isopropylphenylester d.  $\beta$ -Phenylakrylsäure. Sm. 69 bis 70°; Sd. 239—240°, (B. 18, 1946). — II, 1406.
  - 12) Acetat d. Oxyretenuoren. Sm. 70—71° (B. 17, 694; A. 229, 142). — II, 1082.
- $C_{19}H_{20}O_3$
- 1) Diäthyläther d.  $\gamma$ -Keto- $\gamma$ -[2,4-Dioxyphenyl]- $\alpha$ -Phenylpropen. Sm. 92—93° (B. 29, 1887).
  - 2) Diäthyläther d.  $\gamma$ -Keto- $\gamma$ -[2,5-Dioxyphenyl]- $\alpha$ -Phenylpropen. Sm. 50—51° (B. 32, 329).
  - 3)  $\beta$ -[2-Methoxyphenyl]- $\alpha$ -[4-Isopropylphenyl]akrylsäure. Sm. 198 bis 199°. Ag (G. 15, 511). — II, 1717.
  - 4)  $\alpha$ -Oxy- $\beta$ -Phenylakryl[4-Isopropyl-1-Methylphenyl-3-Aether]säure. Sm. 136°. Ba + 2 $H_2O$  (G. 19, 357). — II, 1637.
  - 5) Aethylester d.  $\gamma$ -Benzoyl- $\gamma$ -Phenylbuttersäure. Sm. 33—34° (B. 21, 1353). — II, 1716.
  - 6) Aethylester d.  $\gamma$ -Keto- $\alpha\alpha$ -Diphenylbutan- $\beta$ -Carbonsäure. Sm. 85° (Soc. 71, 676).
- $C_{19}H_{20}O_4$
- 1) Dibenzylidinäther d. Pentaerythrit. Sm. 160° (A. 289, 34). — III, 8.
  - 2) Dimethyläther d. 2,6-Di[2-Oxyphenyl]tetrahydro-1,4-Pyron. Sm. 173° (170°) (B. 31, 1510; J. pr. [2] 60, 147).
  - 3)  $\alpha\delta$ -Di[4-Methoxyphenyl]- $\alpha$ -Buten- $\gamma$ -Carbonsäure. Sm. 101°. Ca + 2 $H_2O$ , Ag (A. 255, 302). — II, 1892.
  - 4)  $\alpha\gamma$ -Lakton d.  $\alpha$ -Oxy- $\alpha\delta$ -Di[4-Methoxyphenyl]butan- $\gamma$ -Carbonsäure (Dianisylpentalaikon). Sm. 83° (A. 255, 306). — II, 1971.
  - 5) Aethylester d.  $\alpha$ -Acetoxy- $\beta\beta$ -Diphenylpropionsäure. Sm. 53° (A. 248, 44). — II, 1699.
  - 6) Diäthylester d. Diphenylmethan-2,4-Dicarbonsäure. Fl. (B. 9, 1765). — II, 1888.
  - 7) Dibenzozat d. Amylenglykol. Sm. 123° (A. 133, 256). — II, 1141.
  - 8) Dibenzozat eines isom. Amylenglykol. Sm. 40° (G. 21, 541). — II, 1141.
  - 9) Dibenzozat d.  $\delta\delta$ -Dioxy- $\beta$ -Methylbutan. Sm. 111°; Sd. 264° (A. 109, 299). — II, 1153.
  - 10) Dibenzozat d.  $\alpha\gamma$ -Dioxy- $\beta\beta$ -Dimethylpropan. Sm. 53° (B. 27, 1089; A. 289, 41). — II, 1142.
  - 11) Isoamylester d. 2-Benzoxylbenzol-1-Carbonsäure (A. 92, 314). — II, 1497.
- $C_{19}H_{20}O_5$
- 1) Isovaleryloresolin. Sm. 95—97° (A. 174, 82). — III, 620.
  - 2) Trimethyläther d. Brasilin. Sm. 138—139°; amorphe Modif. Sm. 82 bis 86° (B. 20, 3365; 21, 3009; 22, 1547; 23, 1430; 27, 525; M. 14, 56; 15, 209). — III, 652.
  - 3) Dibenzylidenadonit. Sm. 164—165° (B. 26, 638). — III, 8.
  - 4) Guajakonsäure. Sm. 95—100°. + PbO (J. 1862, 467; M. 3, 125, 822). — II, 1974.
  - 5) Diacetat d. Hydrolapachon. Sm. 161° (G. 19, 611). — II, 1028.
  - 6) Verbindung (aus Papaverinbromäthylat). Sm. 180—181° (M. 10, 688). — IV, 441.
- $C_{19}H_{20}O_6$
- 1) Pinoresinol. Sm. 122°. K<sub>2</sub> + 4H<sub>2</sub>O, Ca (M. 15, 507; 18, 481). — III, 563.

- C<sub>19</sub>H<sub>20</sub>O<sub>6</sub>**
- 2) *α,β-Dioxypentandiphenyläther-γγ-Dicarbonsäure.* Sm. 150—152° u. Zers. Ag; (Soc. **69**, 169, 1501).
  - 3) *Diäthylester d. Dioxymalondiphenyläthersäure.* Sd. 250—260° (B. **24**, 3004). — II, 667.
  - 4) *Diäthylester d. 1,3,4-Trimethyl-p-β-Benzdifuran-2,5-Dicarbonsäure.* Sm. 133° (A. **283**, 267). — III, 736.
  - 5) *Acetat d. Toluresitannol* (C. **1895** [1] 353).
  - 6) *Diacetat d. Verb.* C<sub>11</sub>H<sub>14</sub>O<sub>4</sub>. Sm. 120° (El. [3] **7**, 564). — II, 919.
- C<sub>19</sub>H<sub>20</sub>O<sub>7</sub>**
- 1) *Monacetat d. 3,4,2',4',6'-Pentaoxodiphenylketontetramethyläther.* Sm. 170° (B. **25**, 1135). — III, 208.
  - 2) *Diacetat d. Osthin.* Sm. 183—186° (C. **1896** [1] 561).
  - 3) *Barbatinsäure oder C<sub>22</sub>H<sub>14</sub>O<sub>7</sub>.* Sm. 186° (A. **203**, 302; B. **30**, 358; J. pr. [2] 57, 237). — II, 2054.
  - 4) *Rhizonsäure.* Sm. 185° K, Ca, Ba + 3H<sub>2</sub>O, Pb, Cu + 4H<sub>2</sub>O, Ag (B. **31**, 604; J. pr. [2] **58**, 527).
  - 5) *Diacetyldecarbousninsäure.* Sm. 130—131° (G. **12**, 236). — II, 2055.
  - 6) *Methylester d. Saligeninglykoleäure?* Fl. (G. **21** [1] 258). — II, 1109.
  - 7) *Acetyl derivat d. Decarbusnein.* Sm. 112° (A. **284**, 160). — II, 2057.
- C<sub>19</sub>H<sub>20</sub>O<sub>8</sub>**
- 1) *3,4-Dioxybenzoldimethyl norm. Propylenäther-1-Carbonsäure* (Bl. **29**, 270). — II, 1744.
  - 2) *Diacetat d. Pikrotoxinin.* Sm. 254—255° (G. **9**, 60; B. **31**, 2969). — III, 643.
- C<sub>19</sub>H<sub>20</sub>O<sub>10</sub>**
- 1) *Tetracytlycarminsäure?* (B. **30**, 1738).
  - 2) C 55,9 — H 4,9 — O 39,2 — M. G. 408.
- C<sub>19</sub>H<sub>20</sub>N<sub>2</sub>**
- 1) *Cinchon.* Sm. 123—125°. (2HCl, PtCl<sub>4</sub>) (B. **14**, 103, 1854; **17**, 1985, 1987; **18**, 1219; **23**, 2677; **31**, 2361; J. **1882**, 366). — III, 836.
  - 2) *1-Aethylamido-2-[4-Methylphenyl]amidonaphtalin.* Sm. 68° (B. **27**, 2778). — IV, 918.
  - 3) *5-Pseudobutyl-1,3-Diphenylpyrazol.* Sm. 77°; Sd. 229—231°<sub>as</sub> (B. **30**, 2273). — IV, 943.
  - 4) *2-Isobutyl-4,5-Diphenylimidazol.* Sm. 223°. (2HCl, PtCl<sub>4</sub>) (Soc. **49**, 476). — IV, 1035.
- C<sub>19</sub>H<sub>21</sub>N**
- 1) *3-Hexyl-β-Naphtochinolin.* Sm. 83° (B. **27**, 2023).
- C<sub>19</sub>H<sub>21</sub>N<sub>3</sub>**
- 1) *4-Phenylazooctohydro-β-Naphtochinolin.* Sm. 95°. Pikrat (B. **24**, 2656). — IV, 1581.
- C<sub>19</sub>H<sub>21</sub>O**
- 1) *10-Oxy-10-Isoamyl-9,10-Dihydroanthracen.* Sm. 73—74° (B. **14**, 801; A. **212**, 103). — II, 900.
  - 2) *α-Keto-α-Di[2,5-Dimethylphenyl]propan.* Sm. 52°; Sd. 255—265°<sub>as</sub> (A. ch. [1] **2**, 206). — III, 239.
  - 3) *Benzylidenxylylonit.* Sd. 230—240°<sub>as</sub> (A. **299**, 230).
  - 4) *Cinnamylcamphor.* Sd. 280—290°<sub>as</sub> (B. **24** [2] 732). — III, 514.
- C<sub>19</sub>H<sub>22</sub>O<sub>2</sub>**
- 1) *Diäthyläther d. αα-Di[β-Oxyphenyl]propen.* Sm. 76—77° (B. **22**, 1130). — II, 999.
  - 2) *αα-Di[β-Aethylphenyl]propionsäure.* Sm. 116° (B. **14**, 1597). — II, 1472.
  - 3) *Aethylester d. αα-Di[4-Methylphenyl]propionsäure.* Sm. 145° (B. **15**, 1476). — II, 1471.
  - 4) *Acetat d. 3-Oxy-β-Benzyl-4-Isopropyl-1-Methylbenzol.* Sd. 245°<sub>as</sub> (G. **11**, 348). — II, 899.
  - 5) *Acetat d. α-Oxy-2,3,4,6-Tetramethyldiphenylmethan.* Sd. oberh. 360° (Bl. **42**, 172). — II, 1081.
- C<sub>19</sub>H<sub>22</sub>O<sub>3</sub>**
- 1) *Pyroguaucin.* Sm. 183° (181°). Na + H<sub>2</sub>O, K + 1½H<sub>2</sub>O (A. **52**, 404; **119**, 277; J. **1854**, 612; B. **30**, 379; C. **1897** [1] 167). — II, 1878.
  - 2) *Diäthyläther d. Di[β-Oxy-β-Methylphenyl]keton.* Sm. 105—106° (B. **28**, 2872). — III, 232.

- C<sub>15</sub>H<sub>22</sub>O<sub>3</sub>** 3) Dipropyläther d. 4,4'-Dioxydiphenylketon. Sm. 127° (B. 28, 2871). — III, 199.  
C 69,1 — H 6,7 — O 24,2 — M. G. 330.
- C<sub>15</sub>H<sub>22</sub>O<sub>5</sub>** 1) Tetramethyläther d. Phloretin. Sm. 58° (B. 28, 1397). — III, 230.  
2) Diäthylester d. 1-Keto-5-Methyl-3-Phenyl-1,2,3,4-Tetrahydrobenzol-2,4-Dicarbonsäure. Sm. 87—88° (B. 18, 2584; A. 281, 77). — II, 1971.  
C 65,9 — H 6,3 — O 27,7 — M. G. 346.
- C<sub>15</sub>H<sub>22</sub>O<sub>6</sub>** 1) Tetramethyläther-Aethyläther d. 3,4,2',4',6'-Pentaoxydiphenylketon. Sm. 162° (B. 25, 1138). — III, 208.  
2) Lariciresinol. Sm. 169° (164°). K + H<sub>2</sub>O (M. 18, 502; 20, 647). C 63,0 — H 6,1 — O 30,9 — M. G. 362.
- C<sub>15</sub>H<sub>22</sub>O<sub>7</sub>** 1) Benzylarbutin + H<sub>2</sub>O. Sm. 161° wasserfrei (A. 221, 366). — III, 572.  
2) Triäthylester d. δ-Keto-δ-Phenyl-α-Buten-αβγ-Tricarbonsäure. Sd. 242—245° (Soc. 69, 1384; 71, 324). C 57,9 — H 5,6 — O 36,5 — M. G. 394.  
C 57,9 — H 5,6 — O 36,5 — M. G. 394.  
1) Lignon (B. 26, 2528).
- C<sub>15</sub>H<sub>22</sub>O<sub>8</sub>** 2) Diacetat d. Pikrotin + 2H<sub>2</sub>O. Sm. 207—210° (B. 31, 2973).  
3) Verbindung (aus Pikrotoxin). Sm. 227° (G. 11, 51). — III, 643. C 55,6 — H 5,3 — O 39,0 — M. G. 410.
- C<sub>15</sub>H<sub>22</sub>O<sub>10</sub>** 1) Cyclopiaroth (J. 1881, 1019). — III, 629.
- C<sub>15</sub>H<sub>22</sub>O<sub>12</sub>** C 51,6 — H 5,0 — O 43,4 — M. G. 442.  
1) Oxycyclopiaroth (J. 1881, 1019). — III, 629.
- C<sub>15</sub>H<sub>22</sub>N<sub>2</sub>** C 82,0 — H 7,9 — N 10,1 — M. G. 278.  
1) Di[4-Propylphenylimido]methan. Sm. 168°. HCl (B. 17, 1228). — II, 549.  
2) Dihydrocinchenen. Sm. 145°. Pikrat (B. 27, 1504, 2291; 31, 2363). — III, 837.  
3) Desoxycinchonin. Sm. 90—92°. (2HCl, PtCl<sub>4</sub>) (B. 28, 3145; 31, 2355). — III, 837.  
4) Desoxycinchonidin. Sm. 61°. (2HCl, PtCl<sub>4</sub>) (B. 29, 373; 31, 2355). — III, 852.
- C<sub>15</sub>H<sub>22</sub>N<sub>4</sub>** C 68,3 — H 6,6 — N 25,1 — M. G. 334.  
1) Di[Benzylidenamido]pentamethylentetramin. Sm. 226—227° (A. 288, 233). — III, 29.
- C<sub>15</sub>H<sub>24</sub>O<sub>2</sub>** C 80,3 — H 8,4 — O 11,3 — M. G. 284.  
1) δ-Di[<sup>2</sup>-Oxypheyl]heptan. Sm. 155° (J. r. 23, 502). — II, 996.  
2) Aethyläther d. 2-Oxypheylidendencampher (C. 1896 [2] 381).  
3) Diphenyläther d. αγ-Dioxyheptan. Sm. 54,5—55° (C. 1899 [1] 26). C 72,2 — H 7,6 — O 20,2 — M. G. 316.
- C<sub>15</sub>H<sub>24</sub>O<sub>4</sub>** 1) Acetylpodocarpinsäure. Sm. 152° (A. 170, 238). — II, 1685.  
2) Methyl-Geraniolester d. Benzol-1,2-Dicarbonsäure (Methylester d. Rhodinolphatsäure). Fl. (J. pr. [2] 56, 22). C 65,5 — H 6,9 — O 27,6 — M. G. 348.
- C<sub>15</sub>H<sub>24</sub>O<sub>5</sub>** 1) Diacetylmetasantonsäure. Sm. 207° (G. 25 [2] 462).  
2) Diäthylester d. β-Dioxy-δ-Phenyl-β-Heptadien-γ-Dicarbonsäure. Sm. 60° (B. 32, 88).  
3) Diäthylester d. β-<sup>2</sup>-Diketo-δ-Phenylheptan-γ-Dicarbonsäure (Benzylidenbisacetessigsäureäthylester). Sm. 150° (152°) (B. 18, 2583; 31, 605, 608, 747, 1390, 2773; 32, 88, 333; A. 281, 76). — II, 2019.  
4) isom. Benzylidenbisacetessigsäureäthylester. Sm. 120° (B. 31, 606; 32, 335).  
5) isom. Benzylidenbisacetessigsäureäthylester. Sm. 133—134° (B. 31, 606; 32, 335).  
6) isom. Benzylidenbisacetessigsäureäthylester. Sm. 142—143° (B. 32, 336).  
7) Triäthylester d. δ-Phenyl-α-Buten-αγγ-Tricarbonsäure. Sd. 237 bis 239° (J. pr. [2] 58, 406). C 62,6 — H 6,6 — O 30,8 — M. G. 364.
- C<sub>15</sub>H<sub>24</sub>O<sub>7</sub>** 1) α,2-Lakton d. αα-Dioxy-α-Phenylbutanäthyläther-β,β,2-Tricarbonsäure-ββ-Diäthylester. Fl. (A. 242, 52). — II, 2071.  
2) Triäthylester d. α-Benzoylpropan-αβγ-Tricarbonsäure. Sd. 250° (J. pr. [2] 53, 312; Soc. 73, 728).

- C<sub>19</sub>H<sub>24</sub>O:** 3) **Triäthylester d.  $\beta$ -Benzoylpropan- $\alpha\beta\gamma$ -Tricarbonsäure.** Sd. 225°.  
(*J. pr.* [2] 53, 313).  
C 57,6 — H 6,0 — O 36,4 — M. G. 396.
- C<sub>19</sub>H<sub>24</sub>O<sub>2</sub>:** 1) **Bastin** (*Soc.* 38, 667; 41, 99; 43, 19; 55, 204). — **I, 1080.**  
C 55,3 — H 5,8 — O 38,8 — M. G. 412.
- C<sub>19</sub>H<sub>24</sub>O<sub>3</sub>:** 1) **Anamirtin** (*M. I.*, 131). — **III, 644.**  
2) **Tetraäthylester d. 3,6-Dioxybenzol-3-Methyläther-1,2,4,5-Tetracarbonsäure.** Na (*A.* 258, 288). — **II, 2095.**  
C 51,4 — H 8,6 — N 10,0 — M. G. 280.
- C<sub>19</sub>H<sub>24</sub>N<sub>2</sub>:** 1) **2-Methyl-1,4-Di[4-Methylphenyl]hexahydro-1,4-Diazin.** Sm. 105°  
(*B.* 25, 3278). — **II, 488.**  
C 74,0 — H 7,8 — N 18,2 — M. G. 308.
- C<sub>19</sub>H<sub>24</sub>N<sub>4</sub>:** 1)  **$\gamma\delta$ -Di[Phenylhydrazon]heptan.** Sm. 106° (*J. pr.* [2] 55, 194). — **IV, 782.**  
2)  **$\delta$ -Diphenylhydrazen- $\beta$ -Methylhexan.** Sm. 115—116° (116,5°) (*G.* 27 [1] 276; *B.* 22, 2122). — **IV, 782.**  
**C<sub>19</sub>H<sub>25</sub>N:** 1) **Isoamyldi[4-Methylphenyl]amin.** Sd. 290—300°<sub>15</sub> (*Bl.* 24, 120). — **II, 487.**
- C<sub>19</sub>H<sub>25</sub>N<sub>2</sub>:** C 77,3 — H 8,5 — N 14,2 — M. G. 295.  
1) **4-[4-Diäthylamido]benzyliden]amido-1-Dimethylamidobenzol.** Sm. 140—141° (*B.* 31, 2253).  
2) **Di[4-Propylphenyl]guanidin.** Sm. 113°. (2HCl, PtCl<sub>4</sub>) (*B.* 17, 1225). — **II, 549.**  
3) **Di[2,4,6-Trimethylphenyl]guanidin.** Sm. 218° (*B.* 15, 1014). — **II, 554.**
- C<sub>19</sub>H<sub>26</sub>O<sub>2</sub>:** C 79,7 — H 9,1 — O 11,2 — M. G. 286.  
1) **Aethyläther d. 2-Oxybenzylcampher** (*C.* 1896 [2] 590).  
C 75,5 — H 8,6 — O 15,9 — M. G. 302.
- C<sub>19</sub>H<sub>26</sub>O<sub>3</sub>:** 1) **Aethylester d. Podocarpinsäure.** Sm. 143—146° (*A.* 170, 223). — **II, 1685.**  
C 71,7 — H 8,2 — O 20,1 — M. G. 318.
- C<sub>19</sub>H<sub>26</sub>O<sub>4</sub>:** 1) **Cerbertin.** Sm. 85,5 (*R.* 12, 26). — **III, 573.**  
2) **Cerberitin** (*B.* 28 [2] 679).  
3) **Methyl-Citronellolester d. Benzol-1,2-Dicarbonsäure** (Methylester d. Citronellalphitalsäure). Fl. (*J. pr.* [2] 56, 41).  
C 65,1 — H 7,4 — O 27,4 — M. G. 350.
- C<sub>19</sub>H<sub>26</sub>O<sub>5</sub>:** 1) **Diacetylisophotosantonsäure.** Sm. 163—166° (*B.* 19, 2263). — **II, 1933.**  
2) **Triäthylester d.  $\alpha$ -Phenylbutan- $\beta\beta\gamma$ -Tricarbonsäure.** Sd. 337,8° (*B.* 23, 654). — **II, 2016.**
- C<sub>19</sub>H<sub>26</sub>O<sub>7</sub>:** C 62,3 — H 7,1 — O 30,6 — M. G. 366.
- C<sub>19</sub>H<sub>26</sub>O<sub>10</sub>:** C 55,1 — H 6,3 — O 38,6 — M. G. 414.
- C<sub>19</sub>H<sub>26</sub>O<sub>13</sub>:** 1) **Cocculin** (*A.* 222, 353). — **III, 644.**  
C 49,4 — H 5,6 — O 45,0 — M. G. 462.
- C<sub>19</sub>H<sub>26</sub>N<sub>2</sub>:** 1) **Hexaacetal d.  $\alpha$ -Glykoheptose.** Sm. 156° (*A.* 270, 78). — **I, 1057.**  
C 80,8 — H 9,2 — N 9,9 — M. G. 282.
- 1)  $\alpha\alpha$ -Di[ $\beta$ -Amidophenyl]heptan. Fl. HNO<sub>3</sub> (*Bl.* 47, 49). — **IV, 986.**  
2)  $\alpha\gamma$ -Di[2-Dimethylamidophenyl]propan. Sd. 227—229°<sub>15</sub>. (2HCl, PtCl<sub>4</sub>) (*B.* 25, 2408). — **IV, 983.**  
3)  $\beta\beta$ -Di[4-Dimethylamidophenyl]propan. Sm. 83°. 2HCl, (4HCl, 3HgCl<sub>2</sub>), (2HCl, PtCl<sub>4</sub>), 2HBr, 2HJ (*B.* 4, 743; 6, 347; 12, 813). — **IV, 984.**  
4) **Di[Aethylamidomethylphenyl]methan** (aus 2-Aethylamido-1-Methylbenzol). Sm. 96°; Sd. bei 300°<sub>15</sub> (*M.* 19, 632).  
C 73,5 — H 8,4 — N 18,1 — M. G. 310.
- C<sub>19</sub>H<sub>26</sub>N<sub>4</sub>:** 1) **2,2-Di[4-Dimethylamidophenyl]tetrahydroimidazol** (Aethylensuramin). (2HCl, PtCl<sub>4</sub>). Pikrat (*B.* 20, 2855). — **IV, 1174.**
- C<sub>19</sub>H<sub>27</sub>N<sub>2</sub>:** 1) **Morrhuin.** Fl. (2HCl, PtCl<sub>4</sub>) (*Bl.* [3] 2, 229). — **III, 888.**  
C 70,1 — H 9,7 — O 11,1 — M. G. 288.
- C<sub>19</sub>H<sub>28</sub>O<sub>2</sub>:** 1) **2,4-Divaleryl-1,3,5-Trimethylbenzol.** Sm. 55°; Sd. 210—211°<sub>15—40</sub> (*B.* 30, 1286).

- C<sub>19</sub>H<sub>28</sub>O<sub>2</sub>**
- 2) **Abietinsäure.** Sm. 153—154°. Salze meist bek. Lit. bedeutend. — II, 1435.
  - 3) **Menthylester d.  $\beta$ -Phenylpropionsäure.** Sd. 203°<sub>15</sub> (B. 31, 1778).
  - 4) **Benzooat d. Lanolinalkohol.** Sm. 65—66° (G. 25 [1] 46). C 75,0 — H 9,2 — O 15,8 — M. G. 304.
- C<sub>19</sub>H<sub>28</sub>O<sub>3</sub>**
- 1) **Aethylester d. d-7-Aethoxyl-5,8-Dimethyl-1,2,3,4-Tetrahydronaphthalin-2-Aethyl- $\alpha$ -Carbonsäure** (Ac. d. d-Aethyläthersantonigen Säure). Sm. 31—32° (B. 16, 427). — II, 1671.
  - 2) **Aethylester d. i-7-Aethoxyl-5,8-Dimethyl-1,2,3,4-Tetrahydronaphthalin-2-Aethyl- $\alpha$ -Carbonsäure** (Ac. d. Aethylätherisantonigen Säure). Sm. 54° (B. 16, 428). — II, 1671.
  - 3) **Verbindung** (aus Boldoglykosid) (Bl. 42, 291). — III, 573. C 71,2 — H 8,7 — O 20,0 — M. G. 320.
- C<sub>19</sub>H<sub>28</sub>O<sub>4</sub>**
- 1) **Strophanthidin.** Sm. 195° (M. 19, 399).
  - 2) **Benzoxylaurinsäure.** Sm. 41,5° (C. 1897 [1] 419).
  - 3) **Diäthylester d. i-Dehydronaphotosantonsäure.** Fl. (B. 18, 2863; G. 23 [1] 280). — II, 1932.
  - 4) **Isobutyester d. Santonsäure.** Sm. 67° (B. 13, 2209). — II, 1788. C 67,8 — H 8,3 — O 23,8 — M. G. 336.
- C<sub>19</sub>H<sub>28</sub>O<sub>5</sub>**
- 1) **Diäthylester d.  $\alpha$ -Oxyheptanphenyläther- $\delta\delta$ -Dicarbonsäure.** Sd. 279°<sub>160</sub> (B. 28, 1198, 1200). C 59,4 — H 7,3 — O 33,3 — M. G. 384.
- C<sub>19</sub>H<sub>28</sub>O<sub>6</sub>**
- 1) **Trisiobutyrylshikiminsäure** (B. 24, 1284). — I, 769. C 54,8 — H 6,7 — O 38,5 — M. G. 416.
- C<sub>19</sub>H<sub>28</sub>O<sub>10</sub>**
- 1) **Tetraäthylester d.  $\beta\beta$ -Diketohexan- $\alpha\gamma\delta\eta$ -Tetracarbonsäure** (T. d. Methylenbisacetoncarbonsäure). Sm. 105° (A. 288, 354).
  - 2) **Pentaäthylester d.  $\alpha$ -Buten- $\alpha\beta\gamma\delta$ -Pentacarbonsäure.** Sd. 229 bis 231°<sub>16</sub> (B. 31, 48).
  - 3) **Verbindung** (aus Acetylendicarbonsäurediäthylester u. Aethantricarbon-säuretriäthylester). Fl. (J. pr. [2] 49, 22). C 52,8 — H 6,5 — O 40,7 — M. G. 432.
- C<sub>19</sub>H<sub>28</sub>O<sub>11</sub>**
- 1) **Pentacetat d. Anhydro- $\alpha\gamma$ -Trioxy- $\beta\delta\delta$ -Tetra[Oxymethyl]pentan.** Sm. 84° (B. 27, 1089; A. 289, 49). C 49,1 — H 6,0 — O 44,8 — M. G. 464.
- C<sub>19</sub>H<sub>28</sub>O<sub>13</sub>**
- 1) **Helicinglykose** (A. 244, 26). — III, 68. C 80,3 — H 9,8 — N 9,8 — M. G. 284.
- C<sub>19</sub>H<sub>28</sub>N<sub>2</sub>**
- 1) **Oktohydrocincinen.** Fl. (2HCl, CdCl<sub>4</sub> + H<sub>2</sub>O), (2HCl, PtCl<sub>4</sub>) (B. 25, 1547). — III, 840.
  - 2) **1-Phenylhydrazon-3-Hexyl-5-Methyl-1,2,3,4-Tetrahydronbenzol.** Sm. 157—159° (A. 288, 346). — IV, 770.
- C<sub>19</sub>H<sub>28</sub>O<sub>2</sub>**
- 1) **4-Methylphenoxyester d. Laurinsäure.** Sm. 28°; Sd. 219,5°<sub>15</sub> (B. 17, 1378). — II, 749.
- C<sub>19</sub>H<sub>28</sub>O<sub>3</sub>**
- 1) **Verbindung** (aus Cholsäure) (H. 16, 492). — I, 782. C 67,4 — H 8,9 — O 15,7 — M. G. 306.
- C<sub>19</sub>H<sub>28</sub>O<sub>5</sub>**
- 1) **Helleboritin, siehe auch C<sub>14</sub>H<sub>28</sub>O<sub>5</sub>** (C. 1897 [2] 764).
  - 2) **Acetyllicesterinsäure.** Sm. 124° (J. pr. [2] 57, 305).
  - 3) **Diäthylester d. 1-Keto-3-Hexyl-5-Methyl-1,2,3,4-Tetrahydronbenzol-2,4-Dicarbonsäure.** Sd. 202—204°<sub>17</sub> (A. 288, 341). C 61,6 — H 8,1 — O 30,3 — M. G. 370.
- C<sub>19</sub>H<sub>28</sub>O<sub>7</sub>**
- 1) **Panakon** (A. 90, 234). — III, 640.
- C<sub>19</sub>H<sub>28</sub>O<sub>10</sub>**
- 1) **Herniarin** (C. 1895 [1] 352).
  - 2) **Pentaäthylester d. Butan- $\alpha\beta\beta\delta$ -Pentacarbonsäure.** Sd. 216—218°<sub>15</sub> (B. 23, 3760). — I, 871.
  - 3) **Pentaäthylester d. Butanpentacarbonsäure.** Sd. 232—233°<sub>15</sub>; (Soc. 73, 1014). C 70,4 — H 9,9 — O 19,7 — M. G. 324.
- C<sub>19</sub>H<sub>28</sub>O<sub>4</sub>**
- 1) **Lichesterinsäure.** Sm. 124,5—125°. K, Cu, Ag (C. 1898 [2] 964). C 67,1 — H 9,4 — O 23,5 — M. G. 340.
- C<sub>19</sub>H<sub>28</sub>O<sub>5</sub>**
- 1) **Säure** (aus Cholesterin). Cu (M. 17, 593).

- C<sub>18</sub>H<sub>32</sub>O<sub>6</sub>** C 64,0 — H 9,0 — O 27,0 — M. G. 356.  
 1) **Diäthylester d.  $\beta\beta$ -Diketo- $\gamma\gamma$ -Diäthylnonan- $\gamma\gamma$ -Dicarbonsäure** (D. d. Diacetyl-diäthylpimelinsäure). Sm. 44—45°; Sd. 249—252°<sub>45—50</sub> (Soc. 57, 30). — I, 822.
- 2) **Diäthylester d.  $\beta\zeta$ -Diketo- $\delta$ -Hexylheptan- $\gamma\gamma$ -Dicarbonsäure** (D. d. Oenanthyldiacetessigsäure). Sm. 71° (A. 288, 340).
- 3) **Triäthylester d. Hydrocampherylmalonsäure**. Sd. 253—255°<sub>50</sub> (A. 257, 302). — I, 822.
- C<sub>19</sub>H<sub>32</sub>O<sub>6</sub>** C 58,8 — H 8,2 — O 33,0 — M. G. 388.  
 1) **Tetraäthylester d. Heptan- $\alpha\alpha\gamma\gamma$ -Tetracarbonsäure**. Sd. 275°<sub>75</sub> (Soc. 65, 990).  
 2) **Tetraäthylester d. Heptan- $\alpha\alpha\gamma\gamma$ -Tetracarbonsäure**. Sd. 270—275°<sub>50</sub> (Soc. 65, 104).  
 3) **Tetraäthylester d. Heptan- $\beta\zeta\zeta$ -Tetracarbonsäure**. Sd. 238—240°<sub>50</sub> (Soc. 59, 829; B. 28, 2828). — I, 862.  
 4) **Tetraäthylester d. Heptan- $\gamma\gamma\gamma\gamma$ -Tetracarbonsäure**. Sm. 61°; Sd. 195°<sub>12</sub> (A. 256, 185). — I, 862.  
 5) **Tetraäthylester d.  $\delta\delta$ -Dimethylpentan- $\beta\gamma\gamma\delta$ -Tetracarbonsäure**. Sd. 315—334° (B. 23, 666). — I, 862.  
 6) **Tetraäthylester d.  $\beta$ -Isobutylpropan- $\alpha\alpha\gamma\gamma$ -Tetracarbonsäure**. Sd. 204°<sub>15</sub> (B. 31, 2590); Soc. 73, 1012.  
 C 79,2 — H 11,1 — N 9,7 — M. G. 288.
- C<sub>19</sub>H<sub>32</sub>N<sub>2</sub>** 1)  **$\eta$ -Phenylhydrazontridek**. Fl. (Soc. 57, 536). — IV, 769.
- C<sub>19</sub>H<sub>34</sub>O<sub>6</sub>** C 63,7 — H 9,5 — O 26,8 — M. G. 358.  
 1) **Triäthylester d.  $\beta\eta$ -Dimethyloktan- $\gamma\delta\delta$ -Tricarbonsäure**. Sd. 290 bis 295° (B. 29, 977).
- C<sub>19</sub>H<sub>34</sub>N<sub>6</sub>** C 65,9 — H 9,8 — N 24,3 — M. G. 346.  
 1) **Verbindung (Base aus Isobuttersäurenitril)**. Sm. 241°. (2HCl, PtCl<sub>4</sub> + 2½H<sub>2</sub>O) (J. pr. [2] 37, 400). — I, 1466.  
 C 77,0 — H 12,2 — O 10,8 — M. G. 296.
- C<sub>19</sub>H<sub>36</sub>O<sub>2</sub>** 1) **Döglingsäure**. Ba (J. 1847/48, 568). — I, 527.  
 2) **Methylester d. Oelsäure** (A. 28, 257). — I, 526.  
 3) **Methylester d. Elaidinsäure** (A. 28, 256). — I, 527.  
 C 69,5 — H 11,0 — O 19,5 — M. G. 328.
- 1) **Heptadekan- $\alpha\alpha$ -Dicarbonsäure** (Cetylmalonsäure). Sm. 121,5—122° (115—117°). Ba, Cd, Zn, Cu, Ag. (A. 206, 359; B. 24, 2781). — I, 690.
- 2) **Heptadekan- $\alpha\iota$ -Dicarbonsäure** (Dioktylmalonsäure). Sm. 75°. Ca (A. 204, 164). — I, 690.
- 3) **Diäthylester d.  $\beta\alpha$ -Dimethylundekan- $\delta\beta$ -Dicarbonsäure**. Sd. 235 bis 237°<sub>100</sub> (Soc. 59, 842). — I, 689.
- C<sub>19</sub>H<sub>36</sub>O<sub>2</sub>** C 50,0 — H 7,9 — O 42,1 — M. G. 456.  
 1) **Oenanthonolosecharose** (A. 244, 23). — I, 1070.
- C<sub>19</sub>H<sub>36</sub>O** 1)  **$\beta$ -Ketononadekan** (Methyleptodekylketon). Sm. 55,5°; Sd. 206,5°<sub>110</sub> (B. 12, 1672; 15, 1707, 1724). — I, 1005.  
 2)  **$\delta$ -Ketononadekan**. Sm. 50,5°; Sd. 211°<sub>11</sub> (Bl. [3] 15, 766).  
 3)  **$\alpha$ -Ketononadekan** (Dinonylketon; Caprinon). Sm. 58°; Sd. über 350° (A. 157, 270). — I, 1005.  
 4)  **$\beta$ -Keto- $\gamma$ -Oktylundekan** (Dioktylaceton). Sd. 325—330° (A. 204, 10). — I, 1005.  
 C 76,5 — H 12,7 — O 10,7 — M. G. 298.
- 1) **Oktadekan- $\beta$ -Carbonsäure**. Sm. 66,5°; Sd. 297—299°<sub>100</sub>. Ba, Cu, Ag (J. 1884, 1193). — I, 447.
- 2) **Methylester d. Stearinäure**. Sm. 38° (J. 1858, 301). — I, 445.  
 3) **Aethylester d. Daturinsäure**. Sm. 27° (Bl. [3] 5, 96; B. 26 [2] 288). — I, 444.
- C<sub>19</sub>H<sub>36</sub>O<sub>4</sub>** C 69,1 — H 11,5 — O 19,4 — M. G. 330.  
 1) **Säure (zu Dorschleberbertran)** (C. 1898 [1] 171).  
 2) **Methylester d. Dioxystearinsäure**. Sm. 106—108° (J. pr. [2] 40, 245; Bl. [3] 13, 239). — I, 637.  
 3) **Glycerinmonopalmitin**. Sm. 63° (55°) (A. ch. [3] 41, 238; Am. 6, 225). — I, 444.
- C<sub>19</sub>H<sub>36</sub>O<sub>5</sub>** C 65,9 — H 11,0 — O 23,1 — M. G. 346.  
 1) **Methylester d. Trioxystearinsäure**. Sm. 110° (J. pr. [2] 39, 341). — I, 738.

**C<sub>19</sub>-Gruppe mit drei Elementen.**

- C<sub>19</sub>H<sub>10</sub>O<sub>4</sub>Br<sub>4</sub>** 1) Tetrabromderivat d. Verb. C<sub>19</sub>H<sub>10</sub>O<sub>6</sub> (aus Resorcin) (C. 1899 [1] 254).  
**C<sub>19</sub>H<sub>10</sub>O<sub>4</sub>Br<sub>5</sub>** 1) Pentabromresorcinbenzén (J. pr. [2] 48, 393). — II, 1123.  
**C<sub>19</sub>H<sub>10</sub>O<sub>8</sub>Br<sub>4</sub>** 1) Tetrabromaurin. Ag<sub>2</sub> (A. 196, 81; M. 3, 466; B. 17, 1626). — II, 1120.  
**C<sub>19</sub>H<sub>10</sub>O<sub>4</sub>Br<sub>4</sub>** 1) Tetrabromresorcinbenzén. Sm. 290—300° (J. pr. [2] 48, 392). — II, 1123.  
**C<sub>19</sub>H<sub>10</sub>O<sub>6</sub>N<sub>4</sub>** C 58,4 — H 2,6 — O 24,6 — N 14,4 — M. G. 390.  
 1) P-Trinitro-5-Phenylakridin (A. 224, 29). — IV, 468.  
**C<sub>19</sub>H<sub>10</sub>O<sub>10</sub>Br<sub>4</sub>** 1) Tetrabromdehydroeichenringenderbsäure (A. 240, 336). — III, 588.  
**C<sub>19</sub>H<sub>10</sub>O<sub>11</sub>N<sub>4</sub>** C 48,5 — H 2,1 — O 37,5 — N 11,9 — M. G. 470.  
 1) Tetranitrotaurin. Sm. bei 140°. Ba (B. 17, 1625). — II, 1120.  
**C<sub>19</sub>H<sub>11</sub>ON** C 84,7 — H 4,1 — O 5,9 — N 5,2 — M. G. 269.  
 1) Chrysalisocyanat. Sm. oberh. 280° (B. 24, 950). — II, 643.  
**C<sub>19</sub>H<sub>11</sub>O<sub>8</sub>N** C 80,0 — H 3,9 — O 11,2 — N 4,9 — M. G. 285.  
 1) 2-Furanylphenanthrenoazol (Furenylimidophenanthrol). Sm. 231° (Soc. 39, 227). — III, 724.  
 2) Acetyl derivat d. Phenylnaphthylcarbazolecarbonsäure. Sm. noch nicht bei 350° (B. 29, 269). — IV, 458.  
**C<sub>19</sub>H<sub>11</sub>O<sub>8</sub>N** C 75,7 — H 3,7 — O 16,0 — N 4,6 — M. G. 301.  
 1) α-Phenylpyridinphenylenketoncarbonsäure. Sm. 226°. Ag (A. 249, 123). — IV, 459.  
**C<sub>19</sub>H<sub>11</sub>O<sub>8</sub>N<sub>2</sub>** C 69,3 — H 3,3 — O 14,6 — N 12,8 — M. G. 329.  
 1) peri-Naphtoylmethylene-m-Nitroisobenzalazin. Sm. 253° u. Zers. (C. 1899 [1] 114).  
**C<sub>19</sub>H<sub>11</sub>O<sub>4</sub>N** C 71,9 — H 3,5 — O 20,2 — N 4,4 — M. G. 317.  
 1) Phtalon d. 2-Methylchinolin-4-Carbonsäure. Sm. oberh. 300° u. Zers. (J. pr. [2] 58, 292).  
**C<sub>19</sub>H<sub>11</sub>O<sub>4</sub>N<sub>3</sub>** C 66,1 — H 3,2 — O 18,5 — N 12,2 — M. G. 345.  
 1) P-Dinitro-5-Phenylakridin (A. 224, 29). — IV, 468.  
**C<sub>19</sub>H<sub>11</sub>O<sub>4</sub>Br** 1) Verbindung (aus 1,2,3-Trioxibenzo) (B. 26, 1143). — II, 1044.  
**C<sub>19</sub>H<sub>11</sub>O<sub>9</sub>Br<sub>5</sub>** 1) Diacetat d. P-Pentabrom-α-Di[2,3,4(P)-Trioxophenyl]propionsäure (B. 16, 2409). — II, 2078.  
**C<sub>19</sub>H<sub>11</sub>NS** 1) Chrysyleisenf. Sm. 176° (B. 24, 955). — II, 643.  
**C<sub>19</sub>H<sub>11</sub>ON<sub>2</sub>** C 49,6 — H 2,6 — O 41,7 — N 6,1 — M. G. 460.  
 1) Dicinchonylketon. Sm. 174°. 2HCl (B. 24, 1609). — IV, 376.  
**C<sub>19</sub>H<sub>11</sub>ON<sub>4</sub>** C 73,1 — H 3,8 — O 5,1 — N 17,9 — M. G. 312.  
 1) Leukonditoluylchenzoxalin. Sm. oberh. 300° (B. 19, 776). — IV, 1302.  
**C<sub>19</sub>H<sub>11</sub>OS** 1) Verbindung (aus Phenanthrenchinon u. Methylthiophen) (B. 16, 1624; 17, 1338). — III, 448.  
**C<sub>19</sub>H<sub>11</sub>O<sub>2</sub>N<sub>2</sub>** C 76,0 — H 4,0 — O 10,7 — N 9,3 — M. G. 300.  
 1) Methyltriphendioxazin (B. 29, 2077). — IV, 1078.  
**C<sub>19</sub>H<sub>11</sub>O<sub>5</sub>N<sub>2</sub>** C 72,2 — H 3,8 — O 15,2 — N 8,8 — M. G. 316.  
 1) P-Nitro-9-Benzoylcarbazol. Sm. 181° (B. 24, 280). — IV, 393.  
 2) 2-Oxybenzylidenamidobenzolazoxindol. Sm. oberh. 300° (B. 28, 298). — IV, 1005.  
 3) Benzoylaminobenzolazindon. Sm. 264,5° (A. 226, 65). — IV, 1005.  
**C<sub>19</sub>H<sub>12</sub>O<sub>4</sub>N<sub>2</sub>** C 68,7 — H 3,6 — O 19,3 — N 8,4 — M. G. 332.  
 1) Dinitrophenylenidphenylmethan. Sm. bei 240° u. Zers. (Bl. [3] 1, 775). — II, 294.  
 2) 7-Oxy-5-Phenylphenazon-8-Carbonsäure (N-Phenylsafranolcarbonsäure). Na (B. 31, 1184). — IV, 1020.  
**C<sub>19</sub>H<sub>17</sub>O<sub>4</sub>N<sub>4</sub>** C 63,3 — H 3,3 — O 17,8 — N 15,6 — M. G. 360.  
 1) 2,7-Dinitro-9-Phenylhydrazonfluoren. Sm. 257—258° u. Zers. (M. 16, S25).  
 2) P-Dinitro-9-Phenylhydrazonfluoren. Sm. 227—228° u. Zers. (M. 16, S26).  
 3) 5,P-Dinitro-1,2-Diphenylbenzimidazol. Sm. 220° (Bl. [3] 17, 872). — IV, 562.  
 4) 5-Nitro-1-Phenyl-2-[3-Nitrophenyl]benzimidazol. Sm. 218—220° (Bl. [3] 19, 519). — IV, 1008.

- C<sub>19</sub>H<sub>12</sub>O<sub>4</sub>N<sub>4</sub>** 5) **5-Nitro-1-Phenyl-2-[4-Nitrophenyl]benzimidazol.** + C<sub>6</sub>H<sub>6</sub> (Sm. 195°) (Bl. [3] 17, 1029). — **IV, 1008.**
- C<sub>19</sub>H<sub>12</sub>O<sub>4</sub>Br<sub>1</sub>** 1) **Dibromresorcinbensein** (J. pr. [2] **48**, 390). — **II, 1123.**
- C<sub>19</sub>H<sub>12</sub>O<sub>3</sub>N<sub>2</sub>** C 65,5 — H 3,4 — O 23,0 — N 8,0 — M. G. 348.  
1)  $\alpha\gamma$ -Di[1,2-Phtalylamido]- $\beta$ -Ketopropan. Sm. 264—268° (B. **27**, 1042). — **II, 1814.**
- 2) **Verbindung** (aus Nitrophenylacetylen). Zers. bei 165° (B. **15**, 213). — **II, 174.**
- C<sub>19</sub>H<sub>12</sub>O<sub>3</sub>Br<sub>2</sub>** 1) **3,4,3',4'-Dimethylenäther d.  $\gamma$ -Keto- $\alpha\alpha$ -Di[P-Brom-3,4-Dioxyphenyl]- $\alpha\delta$ -Pentadien** (B. **24**, 2596). — **III, 252.**
- C<sub>19</sub>H<sub>12</sub>O<sub>6</sub>N<sub>2</sub>** C 62,6 — H 3,3 — O 26,4 — N 7,7 — M. G. 364.  
1) **1,2-Phtalylasparagin-3-Amidobenzol-1-Carbonsäure.** Ag (G. **16**, 7). — **II, 1813.**
- C<sub>19</sub>H<sub>12</sub>O<sub>6</sub>Cl<sub>2</sub>** 1) **Diacetat d. 7,8-Dioxy-2-[P-Chlorphenyl]-1,4-Benzpyron.** Sm. 189 bis 191° u. Zers. (B. **29**, 2434).
- C<sub>19</sub>H<sub>12</sub>O<sub>6</sub>S** 1) **Sulfonfluorescein + H<sub>2</sub>O.** Sm. oberh. 300° (Am. **11**, 78; **14**, 471; **18**, 802; Bl. [3] 17, 822). — **III, 200.**
- 2) **Resorcinulfonphthalein** (Am. **20**, 266).
- C<sub>19</sub>H<sub>12</sub>O<sub>6</sub>N<sub>2</sub>** C 57,6 — H 3,0 — O 32,3 — N 7,1 — M. G. 396.
- 1) **Dinitroresorcinbensein** (J. pr. [2] **48**, 395). — **II, 1123.**
- C<sub>19</sub>H<sub>12</sub>O<sub>6</sub>N<sub>4</sub>** C 53,8 — H 2,8 — O 30,2 — N 13,2 — M. G. 424.  
1) **Benzoat d. 2-[2,4,6-Trinitrophenylamido]-1-Oxybensol.** Sm. 157° (Soc. **59**, 722). — **II, 1147.**
- 2) **Benzoat d. 4-[2,4,6-Trinitrophenylamido]-1-Oxybensol.** Sm. 191° (Soc. **59**, 720). — **II, 1147.**
- C<sub>19</sub>H<sub>12</sub>O<sub>8</sub>S** 1) **Pyrogallolulfonphthalein** (Am. **20**, 268).
- C<sub>19</sub>H<sub>12</sub>O<sub>9</sub>N<sub>2</sub>** C 55,3 — H 2,9 — O 34,9 — N 6,8 — M. G. 412.  
1) **3,4,3',4'-Dimethylenäther d.  $\gamma$ -Keto- $\alpha\alpha$ -Di[P-Nitro-3,4-Dioxyphenyl]- $\alpha\delta$ -Pentadien.** Sm. 218° u. Zers. (B. **24**, 618). — **III, 252.**
- C<sub>19</sub>H<sub>12</sub>O<sub>10</sub>N<sub>2</sub>** C 53,3 — H 2,8 — O 37,4 — N 6,5 — M. G. 428.  
1) **Diacetat d. Dinitrochrysin.** Sm. 229° (B. **27**, 22). — **III, 628.**
- C<sub>19</sub>H<sub>12</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **P-Dichlor-9-Phenylhydrazonefluoren.** Sm. 185—186° (M. **16**, 811). — **IV, 778.**
- C<sub>19</sub>H<sub>12</sub>N<sub>2</sub>Br<sub>1</sub>** 1) **P-Dibrom-9-Phenylhydrazonefluoren.** Sm. 190° (M. **16**, 812). — **IV, 778.**  
2) **P-Dibrom-9-Phenylhydrazonefluoren.** Sm. 252° u. Zere. (M. **16**, 822). — **IV, 778.**
- C<sub>19</sub>H<sub>13</sub>ON** C 84,1 — H 4,8 — O 5,9 — N 5,2 — M. G. 271.  
1) **7-Oximido-8-Benzylidenacenaphthen.** Sm. 48° (A. **290**, 204). — **III, 260.**  
2) **3-[2-Oxyphenyl]- $\beta$ -Naptochinolin.** Sm. 217° (B. **27**, 2029).  
3) **2-Oxy-5-Phenylakridin.** HCl (B. **24**, 2046). — **IV, 468.**  
4) **3-Oxy-5-Phenylakridin.** Sm. oberh. 275° (B. **18**, 695). — **IV, 468.**  
5) **9-Benzoylcarbazol.** Sm. 95,5° (98,5°) (G. **20**, 413; B. **24**, 279). — **IV, 392.**
- C<sub>19</sub>H<sub>13</sub>ON<sub>3</sub>** C 76,3 — H 4,3 — O 5,4 — N 14,0 — M. G. 299.  
1) **P-[2-Napthy]azo-8-Oxychinolin** (B. **21**, 1643). — **IV, 1486.**  
2) **P-[2-Naphtyl azo-8-Oxychinolin** (B. **19**, 1645). — **IV, 1486.**  
3) **8-Keto-5,7-Diphenyl-7,8-Dihydro-1,6,7-Benztriazin.** Sm. 233—235° (M. **17**, 525). — **IV, 799.**
- C<sub>19</sub>H<sub>13</sub>O<sub>2</sub>N** C 79,4 — H 4,5 — O 11,1 — N 4,9 — M. G. 287.  
1) **3,5-Dibenzoylpyridin.** Sm. 123°. (2HCl, PtCl<sub>4</sub>) (A. **280**, 47, 69). — **IV, 186.**  
2) **2,4-Dimethylchinolinphthalon.** Sm. 237—238° (J. pr. [2] **33**, 407). — **IV, 328.**  
3) **2,6-Dimethylchinolinphthalon.** Sm. 203° (B. **16**, 2603). — **IV, 329.**  
4) **Benzylimid d. Naphtalin-1,8-Dicarbonsäure.** Sm. 196,6° (G. **25** [1] 251; B. **28**, 362). — **II, 1880.**  
5) **2-Methylphenylimid d. Naphtalin-1,8-Dicarbonsäure.** Sm. 214° (G. **25** [1] 251; B. **28**, 362). — **II, 1880.**
- C<sub>19</sub>H<sub>13</sub>O<sub>2</sub>N<sub>2</sub>** 1) **Verbindung** (aus Salicylaldehydphenylhydrazen = (C<sub>19</sub>H<sub>12</sub>O<sub>2</sub>N<sub>2</sub>)). Sm. 184° (A. **305**, 183).
- C<sub>19</sub>H<sub>13</sub>O<sub>2</sub>N<sub>3</sub>** C 72,4 — H 4,1 — O 10,2 — N 13,3 — M. G. 315.  
1) **2-Nitro-9-Phenylhydrazonefluoren.** Sm. 257—258° u. Zers. (M. **16**, 825). — **IV, 778.**

- $C_{19}H_{12}O_2N_3$  2) isom. Nitro-**9-Phenylhydrazonfluoren**. Sm. 227—228° u. Zera. (*M.* 16, 826). — IV, 778.  
 3) **5-Nitro-1,2-Diphenylbensimidazol**. Sm. 181° (*Bl.* [3] 17, 867). — IV, 562.  
 4) **1-Phenyl-2-[4-Nitrophenyl]bensimidazol**. Sm. 174° (*Bl.* [3] 17, 1028). — IV, 1007.  
 5)  **$\alpha$ -Cyan- $\beta\beta'$ -Di[2-Cyanophenyl]isobuttersäure**. Sm. 160° u. Zera. (*B.* 25, 3026). — II, 1470.
- $C_{19}H_{13}O_2N_3$  C 66,5 — H 3,8 — O 9,3 — N 20,4 — M. G. 343.  
 1) **peri-Naphthylenhydrazimethylen-m-Nitroisobenzalazin**. Sm. 215 bis 216° u. Zera. (*C.* 1899 [1] 114).  
 $C_{19}H_{13}O_2N$  C 71,5 — H 4,1 — O 20,0 — N 4,4 — M. G. 319.  
 1) **1-[1-Naphthyl]imidomethylbenzol-2,6-Dicarbonsäure**. Sm. 202—207°. Ba, Ag. (*B.* 30, 695).  
 2) **Dibenzoat d. 2,4-Dioxypyridin**. Sm. 103° (*B.* 31, 1690).  
 $C_{19}H_{13}O_3N_3$  C 62,8 — H 3,6 — O 22,0 — N 11,6 — M. G. 363.  
 1)  **$\beta$ -Dinitro-4-Benzoylamidobiphenyl**. Sm. 206° (*A.* 209, 346; *B.* 8, 573). — II, 1169.  
 2) **Monobenzoat d. 4'-Nitro-2,5-Dioxyazobenzol**. Sm. 195—197° (*B.* 26, 1910). — IV, 1447.  
 3) **Di[2-Nitrophenyl]amid d. Benzolcarbonsäure** (*A.* 132, 166; *B.* 15, 829). — II, 1164.  
 4) **Di[4-Nitrophenyl]amid d. Benzolcarbonsäure**. Sm. 224° (*A.* 132, 167; *B.* 15, 828). — II, 1164.
- $C_{19}H_{13}O_3N_3$  C 60,1 — H 3,4 — O 25,3 — N 11,1 — M. G. 379.  
 1)  **$\beta$ -Trinitrotriphenylmethan**. Sm. 203° (206—207°) (*A.* 194, 254; *B.* 7, 1208; *21*, 2476). — II, 288.
- $C_{19}H_{13}O_3N_3$  C 57,7 — H 3,3 — O 28,3 — N 10,6 — M. G. 395.  
 1)  **$\alpha$ -Oxytri-4-Nitrophenyl]methan**. Sm. 171—172° (*A.* 194, 256; *B.* 21, 2476). — II, 1084.  
 2) **Fluoropikrat**. Sm. 79—80° (*A. ch.* [5] 7, 486). — II, 245.
- $C_{19}H_{13}O_3N_3$  C 53,9 — H 3,1 — O 26,5 — N 16,5 — M. G. 423.  
 1) **2,4,6-Trinitrophenyläther d. 2-Oxybenzylidenphenylhydrazin**. Sm. 217° (*B.* 28 [2] 559). — IV, 759.
- $C_{19}H_{13}O_3N$  C 59,5 — H 3,4 — O 33,4 — N 3,6 — M. G. 383.  
 1) **Diacetat d. 7,8-Dioxy-2-[3-Nitrophenyl]-1,4-Benspyron**. Sm. 218 bis 219° (*B.* 29, 2434).
- $C_{19}H_{13}O_3N_3$  C 53,4 — H 3,0 — O 33,7 — N 9,8 — M. G. 427.  
 1) **Tri[2-Nitrophenyläther] d. Trioxymethan**. Sm. 182° (*J. pr.* [2] 26, 445). — II, 680.  
 2) **Tri[4-Nitrophenyläther] d. Trioxymethan**. Sm. 232° (*J. pr.* [2] 26, 446). — II, 682.
- $C_{19}H_{13}O_3Br_3$  1) **Diacetat d.  $\beta$ -Tribrom- $\alpha\alpha$ -Di[2,3,4( $\beta$ )Trioxyphenyl]propionsäure** (*B.* 16, 2409). — II, 2078.
- $C_{19}H_{13}N_3Cl$  1)  **$\beta$ -Chlor-9-Phenylhydrazonfluoren**. Sm. 139—141° (*M.* 16, 810). — IV, 778.  
 $C_{19}H_{12}N_6Cl_3$  1) **Tri[4-Diazophenyl]methan** (*A.* 199, 269). — IV, 1544.  
 $C_{19}H_{14}ON_2$  1) **9-Phenylhydrazon-1-Oxyfluoren**. Sm. 173—174° (*B.* 31, 3034).  
 2) **2-Phenyläther d. 2-[2-Oxyphenyl]bensimidazol**. Sm. 147°. HCl (*A.* 257, 81). — II, 1495.  
 3) **3-Benzoylamidocarbazol**. Sm. 250—251° (*G.* 21 [2] 385). — IV, 992.  
 4) **Methyläther d. 6-Oxy- $\beta$ -Bichinolyl**. Sm. 120° (2HCl, PtCl<sub>4</sub>) (*B.* 20, 1926). — IV, 1071.  
 5) **Methyläther d. 6-Oxy- $\beta$ -Bichinolyl**. Sm. 151°. 2HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (*B.* 20, 1925). — IV, 1071.  
 6) **Chrysophenol + 2H<sub>2</sub>O**. HCl, 2HCl (*A.* 226, 181). — IV, 1072.
- $C_{19}H_{14}ON_4$  C 72,6 — H 4,4 — O 5,1 — N 17,8 — M. G. 314.  
 1) **4-Phenylazo-5-Keto-3-Methyl-1-Phenyl-2,5-Dihydrobenzol**. Sm. 155° (*B.* 29, 1662).  
 2) **5-Keto-4-[1-Naphthyl]hydrazon-3-Phenyl-4,5-Dihdropyrazol**. Sm. 216° (*B.* 27, 784; *J. pr.* [2] 51, 62). — IV, 1940.  
 3) **5-Keto-4-[2-Naphthyl]hydrazon-3-Phenyl-4,5-Dihdropyrazol**. Sm. oberh. 250° (*B.* 27, 784; *J. pr.* [2] 51, 62). — IV, 1490.

- C<sub>19</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>** C 75,5 — H 4,6 — O 10,6 — N 9,3 — M. G. 302.  
 1) **4-Benzoylphenylhydrazon-1-Keto-1,4-Dihydrobenzol.** Sm. 171° (B. 28, 2415). — IV, 795.  
 2) **2-Phenylacetylamido-n-Naphtoxazol.** Sm. 104—105° (B. 22, 3242). — II, 863.  
 3) **2-Oxy-1[oder 4]-Methylphenylphenazon.** Sm. 245—265° (A. 290, 303). — IV, 1009.  
 4) **Methyläther d. Safranol.** Sm. 266° (A. 286, 213; B. 29, 369 Ann.). — IV, 1003.  
 5) **Methyläther d. Oxyaposafranon.** Sm. 246—248° (B. 29, 365). — IV, 1004.  
 6) **Benzozat d. 4-Oxyazobenzol.** Sm. 136° (138°) (B. 6, 561; 28, 2416). — IV, 1408.  
 7) **P-Nitrosodiphenylamid d. Benzolcarbonsäure.** Sm. 156° (A. 277, 103). — II, 1164.  
 8) **Nitril d.  $\beta$ -Acetoxy- $\beta$ -[4-Methylphenyl]- $\alpha$ -[2-Cyanphenyl]akrylsäure (p-Methyl- $\alpha$ - $\alpha$ -Dicyan- $\beta$ -Acetoxytolstenilben).** Sm. 186—188° (B. 29, 2547).
- C<sub>19</sub>H<sub>14</sub>O<sub>5</sub>N<sub>2</sub>** C 71,7 — H 4,4 — O 15,1 — N 8,8 — M. G. 318.  
 1) **3-Nitro-4-Benzoylamidobiphenyl.** Sm. 143° (B. 8, 873; A. 209, 346). — II, 1169.  
 2) **3-Nitro-4-Phenylamidodiphenylketon.** Sm. 157° (B. 24, 3772). — III, 183.  
 3) **Monobenzozat d. 2,5-Dioxyazobenzol.** Sm. 110—112° (B. 26, 1910). — IV, 1447.  
 4) **Phenylester d. 4-Oxyazobenzol-3-Carbonsäure.** Sm. 121° (A. 263, 229). — IV, 1468.  
 5) **4-Nitrodiphenylamid d. Benzolcarbonsäure.** Sm. 129° (A. 132, 167; B. 15, 825). — II, 1164.
- C<sub>19</sub>H<sub>14</sub>O<sub>8</sub>S** 1) **2-Benzoyldiphenylsulfon.** Sm. 183,5—184° (186°) (Am. 17, 363; B. 29, 2298; 31, 1663). — III, 192.  
 2) **4-Benzoyldiphenylsulfon.** Sm. 133° (Am. 20, 310).  
 3) **Verbindung (aus d. Chlorid d. Benzol-1-Carbonsäure-2-Sulfonsäure).** Sm. 162° (Am. 17, 366; B. 29, 2298; 31, 1664).
- C<sub>19</sub>H<sub>14</sub>O<sub>4</sub>N<sub>2</sub>** C 68,2 — H 4,2 — O 19,2 — N 8,4 — M. G. 334.  
 1)  **$\alpha\gamma$ -Di[1,2-Phtalylamido]propan (Trimethylendiphtalimid).** Sm. 197 bis 198° (B. 21, 2669). — II, 1807.  
 2) **1-Benzoyl-4-Benzoylimido-2,6-Diketo-2,3,5,6-Tetrahydropyridin** (Dibenzo[glutazin]). Sm. 215—216° (B. 20, 2658). — II, 1174.  
 3) **1-Acetoxy-1-2-Phenylazonaphthalin-2<sup>1</sup>-Carbonsäure.** Sm. 210° (B. 24, 1600). — IV, 1463.  
 4) **2-Nitrophénylester d. Diphenylamidoameisensäure.** Sm. 112—114° (B. 20, 2122). — II, 680.  
 5) **3-Nitrophénylester d. Diphenylamidoameisensäure.** Sm. 90° (B. 24, 2111). — II, 681.  
 6) **4-Nitrophénylester d. Diphenylamidoameisensäure.** Sm. 116° (B. 24, 2111). — II, 683.  
 7) **2-Nitrophénylamid d. 2-Oxybenzolphenyläther-1-Carbonsäure.** Sm. 121° (A. 257, 81). — II, 1495.
- C<sub>19</sub>H<sub>14</sub>O<sub>4</sub>N<sub>4</sub>** C 63,0 — H 3,9 — O 17,7 — N 15,4 — M. G. 362.  
 1)  **$\alpha$ -[2,4-Dinitrophenyl]hydrazondiphenylmethan.** Sm. 229° (G. 24 [1], 570).  
 2)  **$\alpha$ -Phenylhydrasondi[3-Nitrophenyl]methan.** Sm. 219—220° (B. 20, 510). — IV, 775.  
 3)  **$\alpha$ -Phenylhydrasondi[ $\beta$ -Nitrophenyl]methan.** Sm. 234° (A. 279, 327).
- C<sub>19</sub>H<sub>14</sub>O<sub>5</sub>N<sub>2</sub>** C 65,1 — H 4,0 — O 22,9 — N 8,0 — M. G. 350.  
 1)  **$\alpha\gamma$ -Di[1,2-Phtalylamido]- $\beta$ -Oxypropan ( $\beta$ -Oxytrimethylendiphtalimid).** Sm. 205° (B. 21, 2690; 22, 224). — II, 1807.
- C<sub>19</sub>H<sub>14</sub>O<sub>6</sub>S** 1) **Phenolsulfonphthalein** (Am. 20, 263).  
 2) **Diphenylester d. Benzol-1-Carbonsäure-2-Sulfonsäure.** Sm. 117,5 bis 118,5° (Am. 17, 353; 18, 798; B. 31, 1661).
- C<sub>19</sub>H<sub>14</sub>O<sub>6</sub>N<sub>2</sub>** C 62,3 — H 3,8 — O 26,2 — N 7,6 — M. G. 366.  
 1) **P-Dinitro-4,4'-Dioxytriphenylmethan.** Sm. 133—134° (B. 22, 1946). — II, 1003.

- C<sub>19</sub>H<sub>14</sub>O<sub>6</sub>N<sub>4</sub>** C 57,8 — H 3,6 — O 24,4 — N 14,2 — M. G. 394.  
 1) **Methylester d. 2-Naphtylazo-2,4-Dinitrophenylessigsäure.** Sm. 94° (B. 22, 326). — IV, 1465.
- C<sub>19</sub>H<sub>14</sub>O<sub>6</sub>N<sub>6</sub>** C 54,0 — H 3,3 — O 22,7 — N 19,9 — M. G. 422.  
 1) **Tri[3-Nitrophenyl]guanidin.** Sm. 189° (B. 16, 50). — II, 351.
- C<sub>19</sub>H<sub>14</sub>O<sub>6</sub>N<sub>7</sub>** C 59,7 — H 3,7 — O 29,3 — N 7,3 — M. G. 382.  
 1) **Acetonyldiphthalaminsäure?** Sm. 105—107°. Ag. (B. 27, 1043).  
 2)  $\alpha\gamma$ -Di[Benzoylamido]- $\beta$ -Ketopropan-2,2'-Dicarbonsäure (Acetondiphthalaminsäure), Sm. 105—107°. Ag. (B. 27, 1043). — II, 1798.
- C<sub>19</sub>H<sub>14</sub>O<sub>7</sub>S** 1) **Hydrochinonulfosfonphthalein** (*Am.* 20, 268).
- C<sub>19</sub>H<sub>14</sub>O<sub>7</sub>Br<sub>2</sub>** **Dibromocheinrindengerbsäure** (*A.* 240, 331). — III, 588.
- C<sub>19</sub>H<sub>14</sub>N<sub>2</sub>Br<sub>2</sub>** 1)  $\alpha$ -Phenylhydrazone[4-Bromophenyl]methan. Sm. 138° (*B.* 24, 3768). — IV, 775.
- C<sub>19</sub>H<sub>14</sub>N<sub>8</sub>S** 1) **Chrysylthioharnstoff.** Sm. 238° (*B.* 24, 956). — II, 643.
- C<sub>19</sub>H<sub>14</sub>N<sub>8</sub>Cl<sub>2</sub>** 1) **Tri[4-Chlorophenyl]guanidin.** HCl, HJ, H<sub>2</sub>SO<sub>4</sub> (*A.* 176, 51). — II, 350.
- C<sub>19</sub>H<sub>14</sub>N<sub>8</sub>Br<sub>3</sub>** 1) **Tribromisotriphenylguanidin.** HCl, (2 HCl, PtCl<sub>4</sub>) (*B.* 13, 233). — II, 351.
- 2) **2,4,6-Tribrom-4'-Methylphenylamidoasobenzol.** Sm. 138° (*J. pr.* [2] 27, 125). — IV, 1356.
- C<sub>19</sub>H<sub>14</sub>N<sub>8</sub>J<sub>3</sub>** 1) **Tri[4-Jodphenyl]guanidin** (*B.* 5, 158). — II, 350.
- C<sub>19</sub>H<sub>14</sub>N<sub>8</sub>Cl<sub>2</sub>** 1) **4,4'-Bidiastriphenylmethanchlorid.** + 2 AuCl<sub>3</sub> (*G.* 15, 45). — IV, 1544.
- C<sub>19</sub>H<sub>14</sub>Br<sub>2</sub>S<sub>2</sub>** 1) **Di[4-Bromphenyläther]** d. Dimerkaptomethylbenzol. Sm. 79 bis 80° (*B.* 18, 885). — III, 10.
- C<sub>19</sub>H<sub>15</sub>ON** C 83,5 — H 5,5 — O 5,9 — N 5,1 — M. G. 273.  
 1)  $\gamma$ -[2-Naphyl]imido- $\alpha$ -Keto- $\alpha$ -Phenylpropan. Sm. 180—182° (*B.* 21, 2193). — III, 95.
- 2) **Phenyläther d. Phenylimido- $\alpha$ -Oxyphenylmethan.** Sm. 104° (*B.* 26, 927). — II, 1162.
- 3) **P-Benzoylamidoacenaphthen.** Sm. 210° (*B.* 21, 1458). — II, 1169.
- 4) **2-Benzoylamidobiphenyl.** Sm. 85—86° (*B.* 29, 1187).
- 5) **4-Benzoylamidobiphenyl.** Sm. 226° (230°) (*B.* 13, 1968; *A.* 209, 345). — II, 1169.
- 6) **Oxim d. 4-Benzoylbiphenyl.** Sm. 193—194° (*M.* 12, 502). — III, 257.
- 7) **meso-Keto-N-Aethylidihydrophenonaphthakridin.** Sm. 174—175° (*B.* 26, 2594). — IV, 464.
- 8) **Acetyl dihydrophenonaphthakridin.** Sm. 181—181,5° (*B.* 27, 2842). — IV, 465.
- 9) **Phenylamid d. 1-Phenylbenzol-2-Carbonsäure.** Sm. 100° (*A.* 279, 265). — II, 1462.
- 10) **Phenylamid d. 1-Phenylbenzol-4-Carbonsäure.** Sm. 212° (224°) (*J. pr.* [2] 41, 309; *M.* 12, 504). — II, 1463.
- 11) **Diphenylamid d. Benzolcarbonsäure.** Sm. 180° (176,5—177°). + 5 PCl<sub>5</sub> (*A.* 132, 166; 192, 13; *B.* 14, 2368; 15, 1288, 3013; *20*, 2119). — II, 1164.
- C<sub>19</sub>H<sub>15</sub>ON<sub>3</sub>** C 75,7 — H 5,0 — O 5,3 — N 14,0 — M. G. 301.  
 1) 4-[2-Oxybenzyliden]amidoazobenzol. Sm. 155° (*G.* 28 [1] 243). — IV, 1357.
- C<sub>19</sub>H<sub>15</sub>ON<sub>5</sub>** 2) **Benzyldiazocamidobenzol.** Sm. 131° u. Zera. (*B.* 27, 2315). — IV, 1561.  
 C 69,3 — H 4,6 — O 4,8 — N 21,3 — M. G. 329.  
 1) **5-[ $\beta$ -Phenyläthienyl]-3-[5-Methyl-1,2,4-Oxidiazolyl-3]-1-Phenyl-1,2,4-Triazol.** Sm. 201—202°. — IV, 1170.
- 2) **Azofarbstoff** (aus 2-Amidonaphthalin u. 5-Methyl-3-[2-Aminophenyl]-1,2,4-Oxidiazol). Sm. 153—154° (*B.* 29, 629). — IV, 1198.
- C<sub>19</sub>H<sub>15</sub>O<sub>9</sub>N** C 78,9 — H 5,2 — O 11,0 — N 4,8 — M. G. 289.  
 1) **3-Nitrotriphenylmethan.** Sm. 90° (*B.* 21, 188). — II, 288.  
 2) **4-Nitrotriphenylmethan.** Sm. 93° (*B.* 23, 1622). — II, 288.  
 3) **Diphenyläther d.  $\alpha\alpha$ -Dioxy- $\alpha$ -Phenylimidomethan** (D. d. Phenylimidokohlensäure). Sm. 136° (*B.* 28, 977).  
 4) **Aethylester d. Phenylnaphthylcarbazolecarbonsäure.** Sm. 175° (*B.* 29, 268). — IV, 458.  
 5) **Phenylamid d. 2-Oxybenzolphenyläther-1-Carbonsäure.** Sm. 97° (*A.* 257, 80). — II, 1495.

- C<sub>19</sub>H<sub>15</sub>O<sub>2</sub>N<sub>5</sub>** C 71,9 — H 4,7 — O 10,1 — N 13,2 — M. G. 317.  
 1) 4-[3-Nitrobenzyliden]amido-1-Phenylamidobenzol. Sm. 123° (A. 255, 190). — IV, 596.  
 2) 4-[4-Nitrobenzyliden]amido-1-Phenylamidobenzol. Sm. 172° (A. 255, 190). — IV, 596.  
 3)  $\alpha$ -Phenylimido- $\alpha$ -Phenylamido- $\alpha$ -[3-Nitrophenyl]methan (B. 12, 103). — IV, 843.  
 4)  $\alpha$ -[3-Nitrophenyl]imido- $\alpha$ -Phenylamido- $\alpha$ -Phenylmethan (Benzensyldiimidophenylaminid). Sm. 118° (B. 30, 1785). — IV, 843.  
 5) 4,4'-4-Nitrobenzyliden)diaminobiphenyl. Sm. 221—222° (J. r. 23, 69). — IV, 967.  
 6) 3-Aethyl-2-[4-Nitrophenyl]- $\alpha$ -Naphtimidazol. Sm. 225° (B. 26, 194). — IV, 1062.  
 7) Phenylamidoformiat d. 4-Oxyazobenzol. Sm. 149° (B. 23, 489). — IV, 1408.  
 8) Nitril d. 4-Phenylhydrazone-3,5-Diketo-1-Phenylhexahydrobenzol-2-Carbonsäure. Sm. 110° (A. 294, 290). — IV, 1475.  
 9) Phenylamid d. 4-Oxyazobenzol-3-Carbonsäure. Sm. 188—189° (A. 263, 231). — IV, 1468.  
 10) Di(Phenylamid) d. Pyridin-3,4-Dicarbonsäure. Sm. 199—206° (M. 11, 145). — IV, 165.
- C<sub>19</sub>H<sub>15</sub>O<sub>3</sub>N<sub>5</sub>** C 66,1 — H 4,3 — O 9,3 — N 20,3 — M. G. 345.  
 1) III-2-Nitroformasylbenzol. Sm. 150° (B. 31, 1756).  
 2) III-3-Nitroformasylbenzol. Sm. 180° (B. 31, 1756).  
 3) III-4-Nitroformasylbenzol. Sm. 165—170° (B. 31, 1756).  
 4) 6-Amido-3-[2-Nitrophenyl]-2-Phenyl-2,3-Dihydro-1,2,4-Benstriazin. Sm. 118—119° u. Zers. (B. 30, 2601). — IV, 1287.  
 5) 6-Amido-3-[3-Nitrophenyl]-2-Phenyl-2,3-Dihydro-1,2,4-Benstriazin. Sm. 204—205° u. Zers. (B. 30, 2601). — IV, 1287.  
 6) 6-Amido-3-[4-Nitrophenyl]-2-Phenyl-2,3-Dihydro-1,2,4-Benstriazin. Sm. 211° u. Zers. (B. 30, 2602). — IV, 1287.
- C<sub>19</sub>H<sub>15</sub>O<sub>5</sub>N** C 74,7 — H 4,9 — O 15,7 — N 4,6 — M. G. 305.  
 1)  $\alpha$ -Oxy-3-Nitrotriphenylmethan. Sm. 75° (B. 21, 190). — II, 1084.  
 2)  $\alpha$ -Oxy-4-Nitrotriphenylmethan. Sm. 136° (B. 23, 1623). — II, 1084.  
 3) Benzoat d. 8-Oxy-10-Keto-3,4-Dihydrojulol (Benzoat d.  $\gamma_1$ -Oxy- $\alpha$ -Ketojulolin). Sm. 151° (B. 25, 1199). — IV, 195.  
 4) 3-Phenylacetylaminonaphthalin-2-Carbonsäure. Sm. 225—227° (B. 26, 2595). — II, 1458.  
 5) 1-Naphthylamid d. Benzyloxlessigäure. Sm. 190—191,5° (C. 1896 [1] 996).  
 6) 2-Naphthylamid d. Benzyloxlessigäure. Sm. 163° (C. 1896 [1] 996).  

**C<sub>19</sub>H<sub>15</sub>O<sub>5</sub>N<sub>3</sub>** C 68,4 — H 4,5 — O 14,4 — N 12,7 — M. G. 333.  
 1) 4-Nitro-2-Benzoylamido-1-Phenylamidobenzol. Sm. 201—202° (B. [3] 17, 866). — IV, 562.  
 2)  $\alpha\alpha$ -Diphenyl- $\beta$ -[3-Nitrophenyl]harnstoff. Sm. 154—155° (B. 20, 2121). — II, 381.  
 3)  $\alpha\alpha$ -Diphenyl- $\beta$ -[4-Nitrophenyl]harnstoff. Sm. 175—176° (B. 20, 2121). — II, 381.  
 4) Phenylamid d. 5-Nitro-2-Phenylamidobenzol-1-Carbonsäure. Sm. 159° (B. 24, 3810). — II, 1283.  
 5) Phenylamid d. 3-Nitro-4-Phenylamidobenzol-1-Carbonsäure. Sm. 215—216° (B. 23, 3445, 3448). — II, 1285.

**C<sub>19</sub>H<sub>15</sub>O<sub>5</sub>N<sub>5</sub>** C 63,1 — H 4,1 — O 13,3 — N 19,4 — M. G. 361.  
 1)  $\alpha$ -Phenyl- $\beta$ -Phenylazo- $\beta$ -[3-Nitrophenyl]harnstoff. Sm. 104° (B. 21, 2573). — IV, 1563.  
 2)  $\alpha$ -Phenyl- $\beta$ -Phenylazo- $\beta$ -[4-Nitrophenyl]harnstoff. Sm. 115° (B. 21, 2572). — IV, 1563.  
 3)  $\alpha$ -Phenylhydrazeno- $\alpha$ -[4-Oxyphenyl]azo- $\alpha$ -[4-Nitrophenyl]methan. Sm. 194° (B. 31, 479). — IV, 1419.

**C<sub>19</sub>H<sub>15</sub>O<sub>4</sub>N** C 71,0 — H 4,7 — O 19,9 — N 4,4 — M. G. 321.  
 1) 3-Nitro-4',4'-Dioxytriphenylmethan. Sm. 59—60° (G. 21, 175). — II, 1003.  
 2)  $\gamma$ -Cyan- $\alpha$ - $\epsilon$ -Diketo- $\alpha$ - $\epsilon$ -Diphenylpentan- $\gamma$ -Carbonsäure (Diphenacylcyanessigäure). Sm. 172—174°. NH<sub>4</sub> + 2½H<sub>2</sub>O, Na + 2H<sub>2</sub>O, Ba + H<sub>2</sub>O (B. [3] 15, 1008).

- C<sub>19</sub>H<sub>15</sub>O<sub>4</sub>N**
- 3) 1-Methyl-2,5-Diphenylpyrrol-2<sup>5</sup>,5'-Dicarbonsäure. Sm. 231° (B. 20, 1487). — IV, 452.
  - 4) 2-Methyl-1,5-Diphenylpyrazol-1<sup>5</sup>,3-Dicarbonsäure. Sm. 210° (B. 19, 3162). — IV, 358.
  - 5) Säure (aus Apocinchenäthyläther). Sm. bei 230° u. Zers. (B. 20, 2083). — III, 839.
  - 6) 1,2-Laktон d. 3,4-Dioxy-1-[2-Naphthyl]amidoxyethylbenzol-3 [oder 4]-Methyläther-2-Carbonsäure (Methylnoropian-β-Naphthalidsäure). Sm. 225° (B. 29, 2033).
  - 7) Äthylester d. β-Cyan-β-Benzoyl-β-Phenyl-α-Ketoäthan-α-Carbonsäure. Sm. 102—103° (A. 282, 79). — II, 1642.
  - 8) Monamid d. Pulvinsäuremonomethylester. Sm. 216—217° (A. 282, 49). — II, 2031.
  - 9) Monomethylamid d. Pulvinsäure. Sm. 237°. Methylaminsalz (A. 282, 25). — II, 2031.
  - 10) Benzoylimid d. Phenylloxymaleinäthyläthersäure. Sm. 105—106° (A. 282, 78).
- C<sub>19</sub>H<sub>15</sub>O<sub>4</sub>N<sub>2</sub>**
- C 65,3 — H 4,3 — O 18,3 — N 12,0 — M. G. 349.
  - 1) 3,5-Di[4-Nitrobenzyl]pyridin. Sm. 144—146°. HCl, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub>, Pikrat (A. 280, 52). — IV, 456.
  - 2) Acetat d. 2-[4-Nitro-2-Methylphenyl]azo-1-Oxynaphthalin. Sm. 172 bis 173° (B. 28, 854, 1125). — IV, 1436.
  - 3) Acetat d. 4-[4-Nitro-2-Methylphenyl]azo-1-Oxynaphthalin. Sm. 163° (B. 28, 854, 1125). — IV, 1436.
  - 4) β-Naphtolazohippursäure (B. 14, 2040). — IV, 1464.
- C<sub>19</sub>H<sub>15</sub>O<sub>4</sub>N<sub>3</sub>**
- C 60,5 — H 4,0 — O 17,0 — N 18,5 — M. G. 377.
  - 1) 3-Nitro-1-[Benzyl-3-Nitrophenyl]amidodiazobenzol. Sm. 142° (B. 19, 3250). — IV, 1572.
  - 2) 4-Nitro-1-[Benzyl-3-Nitrophenyl]amidodiazobenzol. Sm. 180° (B. 19, 3251). — IV, 1572.
  - 3) 4-Nitro-1-[Benzyl-4-Nitrophenyl]amidodiazobenzol. Sm. 187—190° (B. 19, 3249). — IV, 1572.
- C<sub>19</sub>H<sub>15</sub>O<sub>4</sub>Br**
- 1) 2'-Methyläther-2'-Acetat d. 6-Brom-1-Keto-2-[3,4-Dioxybenzyliden]-2,3-Dihydroinden. Sm. 201—202° (B. 31, 725).
- C<sub>19</sub>H<sub>15</sub>O<sub>5</sub>N**
- C 67,6 — H 4,4 — O 23,7 — N 4,2 — M. G. 337.
  - 1) Dilakton d. α-*E*-Dioxy-γ-Oximido-α-*E*-Diphenylpentan-2,2'-Dicarbonsäure. Sm. 197—203° (M. 19, 432).
- C<sub>19</sub>H<sub>15</sub>O<sub>6</sub>N**
- C 64,6 — H 4,2 — O 27,2 — N 4,0 — M. G. 353.
  - 1) 3'-Nitro-1,3,1',3'-Tetraoxytriphenylmethan. Sm. 97—100° (G. 21, 180). — II, 1039.
  - 2) 4'-Nitro-1,3,1',3'-Tetraoxytriphenylmethan (G. 21, 341). — II, 1039.
  - 3) 2'-Nitro-1,4,1',4'-Tetraoxytriphenylmethan (G. 21, 343). — II, 1039.
  - 4) 3'-Nitro-1,4,1',4'-Tetraoxytriphenylmethan. Zers. bei 264° (G. 21 [2] 331). — II, 1039.
  - 5) 4'-Nitro-1,4,1',4'-Tetraoxytriphenylmethan. Zers. bei 260° (G. 21 [2] 335). — II, 1039.
  - 6) Methylimid d. α-β-Dibenzoxyläthan-α-β-Dicarbonsäure. α-Modif. Sm. 56°; β-Modif. Sm. 106—108°. 4 + 3C<sub>2</sub>H<sub>5</sub>O (B. 29, 2716).
- C<sub>19</sub>H<sub>15</sub>O<sub>6</sub>N**
- C 61,8 — H 4,1 — O 30,0 — N 3,8 — M. G. 369.
  - 1) Methylester d. Aristinsäure. Sm. 250° (B. 29 [2] 38). — III, 780.
- C<sub>19</sub>H<sub>15</sub>O<sub>6</sub>N<sub>2</sub>**
- C 59,2 — H 3,9 — O 33,2 — N 3,6 — M. G. 385.
  - 1) 3'-Nitro-1,2,3,1',2',3'-Hexaoxytriphenylmethan. Sm. 245° (G. 21, 173). — II, 1044.
- C<sub>19</sub>H<sub>15</sub>O<sub>6</sub>Cl<sub>4</sub>**
- 1) Verbindung (aus Hanf) (Soc. 43, 19; 55, 204).
- C<sub>19</sub>H<sub>15</sub>NBr<sub>2</sub>**
- 1) α-β-Dibrom-γ-[1-Naphthyl]imido-α-Phenylpropan. Sm. bei 154° u. Zers. (A. 239, 384). — III, 54.
  - 2) α-β-Dibrom-γ-[2-Naphthyl]imido-α-Phenylpropan. Sm. bei 191° u. Zers. (A. 239, 384). — III, 54.
- C<sub>19</sub>H<sub>15</sub>NS**
- 1) Diphenylamid d. Benzolthiocarbonsäure. Sm. 150—151° (A. 192, 37). — II, 1293.
- C<sub>19</sub>H<sub>15</sub>N<sub>2</sub>Cl**
- 1) 4-Chlor-4'-Benzylidenamidotidophenylamin. Sm. 144° (A. 303, 315).
  - 2) α-Phenylhydrazen-4-Chlordiphenylmethan. Sm. 106° (B. 26, 27). — IV, 775.

- C<sub>19</sub>H<sub>15</sub>N<sub>2</sub>Cl** 3) 5-Chlorphenylat d. 2-Methyl-5,10-Naphtdiazin (Phenyltoluphenazoniumchlorid). + FeCl<sub>3</sub> (B. 31, 973). — IV, 1009.
- C<sub>19</sub>H<sub>15</sub>N<sub>2</sub>J** 1) Jodmethylat d. 2,3'-Bichinolyl. Sm. 286° u. Zers. (A. 287, 44; M. 2, 499). — IV, 1067.  
 2) Jodmethylat d. 2,5'-Bichinolyl + H<sub>2</sub>O. Sm. 231—232° u. Zers. (M. 8, 142). — IV, 1068.  
 3) Jodmethylat d. 6,6'-Bichinolyl (M. 5, 422). — IV, 1069.  
 4) Jodmethylat d. 6,7'-Bichinolyl. Sm. 126° (M. 6, 552). — IV, 1070.  
 5) Jodmethylat d. isom. Bichinolyl (vom Sm. 159°). Sm. 263° (B. 18, 1913). — IV, 1070.
- C<sub>19</sub>H<sub>15</sub>N<sub>2</sub>S** 1) 6-Phenylamido-2-Merkapto-1-Phenylbenzimidazol. Sm. 208° (A. 286, 182). — IV, 1123.
- C<sub>19</sub>H<sub>15</sub>N<sub>2</sub>Cl** 1) 2-Chlorphenylat d. 1,4-Diphenyl-1,2,3,5-Tetrasol. Sm. 243° u. Zers. + C<sub>6</sub>H<sub>6</sub>O + CHCl<sub>3</sub>, 2 + PtCl<sub>6</sub> (B. 27, 323, 2928). — IV, 1268.
- C<sub>19</sub>H<sub>15</sub>N<sub>2</sub>Br** 1) 2-Bromphenylat d. 1,4-Diphenyl-1,2,3,5-Tetrasol + 1½ H<sub>2</sub>O. Sm. 255° u. Zers. + C<sub>6</sub>H<sub>6</sub>O (B. 27, 323, 2929). — IV, 1268.
- C<sub>19</sub>H<sub>15</sub>N<sub>2</sub>Cl** 1) 2-Chlorphenylat d. 4-Phenylazo-1-Phenyl-1,2,3,5-Tetrasol. Sm. 249° u. Zers. (B. 27, 2930). — IV, 1492.
- C<sub>19</sub>H<sub>15</sub>BrJ<sub>4</sub>** 1) α-Bromtriphenylimethanetetrajodid. Sm. 121—122° (C. 1898 [2] 1132). C 79,2 — H 5,5 — O 5,5 — N 9,7 — M. G. 288.
- C<sub>19</sub>H<sub>16</sub>ON<sub>2</sub>** 1) 4-[2-Oxybenzyliden]amido-1-Phenylamidobenzol. Sm. 120° (A. 255, 190). — IV, 597.  
 2) 4-Amido-1-Benzoylphenylamidobenzol (B. 15, 826). — IV, 594.  
 3) α-[2-Naphthyl]imido-α-Acetylaminophenylmethan. Sm. 137° (Am. 20, 575).  
 4) Triphenylbarnstoff. Sm. 136° (B. 9, 398, 715; 17, 2093). — II, 981.  
 5) P-Phenylamido-2-Methyl-1,4-Benzochinonphenylimid. Sm. 151° (A. 256, 259). — III, 359.  
 6) αα-Diphenyl-β-[2-Oxybenzyliden]hydrazin. Sm. 138,5° (A. 258, 248). — IV, 759.  
 7) β-Benzoyl-αα-Diphenylhydrazin. Sm. 192° (183°) (A. 190, 178; B. 25, 415, 1078). — IV, 669.  
 8) α-Phenylhydrazon-2-Oxydiphenylmethan. Sm. 155° (M. 17, 108). — IV, 776.  
 9) 5-Keto-3-Methyl-1-Phenyl-4-[γ-Phenylallylidene]pyrazol. Sm. 159° (A. 238, 180). — IV, 993.  
 10) 3-Aethyl-2-[2-Oxyphenyl]-α-Naphtimidazol. Sm. 133° (B. 26, 194). — IV, 1062.  
 11) Aethyläther d. 5-Oxy-3-Phenyl-α-Naphtimidazol. Sm. 184—186° (B. 25, 1017). — II, 866.  
 12) γ-Phenylamido-α-Keto-α-[4-Chinolyl]-β-Buten. Sm. 129,5°. 2HCl (M. 17, 412). — IV, 374.  
 13) α-[4-Acetylaminophenyl]-β-[2-Chinolyl]äthen. Sm. 194° (B. 22, 287). — IV, 1040.  
 14) 5-Phenoxyhydrat d. 2-Methyl-5,10-Naphtdiazin. Chlorid, Chlorid + FeCl<sub>3</sub>, Nitrat (B. 31, 973). — IV, 1009.  
 15) Aethyläther d. 5-Oxy-10-Methyl-α-β-Naphthophenazin. Sm. 195° (B. 19, 916). — IV, 1063.  
 16) Nitril d. 6-Phenylamido-4-Keto-2-Phenyl-1,2,3,4-Tetrahydrobenzol-3-Carbonsäure. Sm. 230° (A. 294, 288).  
 C 72,2 — H 5,0 — O 5,0 — N 17,7 — M. G. 316.  
 1) α-Phenylhydrazon-α-[4-Oxyphenylazo]phenylmethan (μ-Monoxyformazylbenzol). Sm. 153—155° (B. 29, 1855).  
 2) β-Nitroso-α-Diphenyl-β-[α-Imidobenzyl]hydrazin. Sm. 206° u. Zers. (J. pr. [2] 54, 174). — IV, 1137.  
 3) Phenylamidoformyldiazoamidobenzol. Sm. 125° (B. 21, 2559). — IV, 1561.  
 4) Bensoldisazobenzolazo-4-Kresol. Sm. 160° (B. 17, 354). — IV, 1424.  
 5) 4-Phenylazo-2-[4-Methylphenyl]azo-1-Oxybenzol. Sm. 121° (B. 9, 628; 25, 1336). — IV, 1416.  
 6) 2-Phenylazo-4-[4-Methylphenyl]azo-1-Oxybenzol. Sm. 115—116° (B. 25, 1337). — IV, 1416.  
 7) 3,5-Di[Phenylazo]-2-Oxy-1-Methylbenzol. Sm. 114—115° (B. 17, 364). — IV, 1423.

- $C_{19}H_{14}ON_4$
- 8) **4,6-Di[Phenylazo]-3-Oxy-1-Methylbenzol.** Sm. 149° (B. 17, 367). — IV, 1424.
  - 9) **Methylierter d. 4-Oxy-1,3-Di[Phenylazo]benzol.** Sm. 110° (B. 17, 368). — IV, 1415.
  - 10) **4-Phenylureidosobenzol.** Sm. 216° (B. 23, 500). — IV, 1357.
  - 11) **2-Oxy-1,2,4-Triphenyl-1,2-Dihydro-1,2,3,5-Tetrazol.** Salze, siehe diese (B. 27, 323, 2429).
  - 12) **3-2-Oxy-1-Naphthylazo-5,7-Dimethylindazol.** Sm. 261—262° (266 bis 267°) (A. 305, 331).
  - 13) **Verbindung (aus Benzenylanilidoxim).** Na (B. 31, 245). — IV, 1582.
  - 14) **Verbindung (aus 3-Oxyhexahydrobenzol-1-Carbonsäure u. Diazobenzolchlorid).** Sm. 131° (A. 291, 302). — IV, 1468.
- $C_{19}H_{14}OBr_4$
- 1) **1,3-Dibrom-2-Keto-1,3-Di[ $\alpha$ -Brombenzyl]-R-Pentamethylen.** Sm. 175° u. Zera. (B. 29, 1837).
- $C_{19}H_{14}O_2N_3$
- 1) **P-Nitro-2-Methyltrifluorophenylamin.** Sm. 164—165° (B. 31, 2989).
  - 2) **P-Di[Phenylamido]-2-Methyl-1,4-Benzochinon.** Sm. 232° (A. 287, 153; B. 16, 1559). — III, 360.
  - 3) **5,6[ $\beta$ ]-Di[Phenylamido]-2-Methyl-1,4-Benzochinon.** Sm. noch nicht bei 300° (A. 287, 152). — III, 359.
  - 4) **P-Phenylamido-2-Oxy-2-Methyl-1,4-Benzochinonphenylimid** (B. 16, 1561). — III, 361.
  - 5) **Methylierter d. 5-Phenylamido-2-Oxy-1,4-Benzochinonphenylimid.** Sm. 194° (188—189°) (B. 18, 788; 21, 677). — III, 347.
  - 6)  **$\alpha$ -Diphenylhydrazondi[2-Oxyphenyl]methan.** Sm. 152° (B. 19, 2610). — IV, 776.
  - 7) **3',4'-Dioxy-2-Benzylazobenzol (Diphenylmethan- $\alpha$ -Azodioxobenzol).** Sm. 170° (B. 27, 2788). — IV, 1446.
  - 8) **Phenylazopropionyl- $\alpha$ -Naphtol.** Sm. 110° (J. pr. [2] 43, 96). — IV, 1478.
  - 9) **Acetat d. 2-Oxy-1-[2-Methylphenyl]azonaphtalin** (Soc. 63, 929). — IV, 1435.
  - 10) **Acetat d. 2-Oxy-1-[4-Methylphenyl]azonaphtalin.** Sm. 99° (Soc. 63, 925). — IV, 1435.
  - 11) **Acetat d. 4-Oxy-1-[4-Methylphenyl]azonaphtalin.** Sm. 101—102° (B. 18, 2488). — IV, 1435.
  - 12) **3,5-Dimethyl-1,4-Dibenzoylepyrazol.** Sm. 124—125,5° (G. 24 [1] 9). — IV, 551.
  - 13) **4-Phenylhydrazone-2-Phenyl-1,4-Dihydrobenzol-6-Carbonsäure** (B. 17, 2762). — IV, 698.
  - 14) **Aethyllester d. 2,3-Diphenyl-1,4-Diazin-5-Carbonsäure.** Sm. 91 bis 92° (Soc. 63, 1307). — IV, 1049.
  - 15) **2-Amidophenylester d. Diphenylamidoameisensäure.** Sm. 189—191° (B. 20, 2125). — II, 706.
  - 16) **3-Amidophenylester d. Diphenylamidoameisensäure.** Sm. 132—133° (B. 24, 2111). — II, 715.
  - 17) **4-Amidophenylester d. Diphenylamidoameisensäure.** Sm. 146° (B. 24, 2111). — II, 716.
  - 18) **Benzot d. 4-Oxy-4-Diphenylhydrazin.** Sm. 173° (B. 24, 2310; 28, 2416). — IV, 1504.
  - 19)  **$\beta$ , $\beta'$ -Methylinimid d.  $\alpha$ -[Cyanphenyl]- $\beta$ -Phenylpropan- $\beta$ , $\beta'$ -Dicarbonsäure.** Sm. 117—118° (B. 27, 2497). — II, 2027.
- $C_{19}H_{14}O_2N_4$
- 1) **3,5-Di[Phenylnitrosamido]-1-Methylbenzol.** Sm. 170° u. Zers. (J. pr. [2] 33, 545). — IV, 625.
  - 2) **3-Nitrotriphenylguanidin.** Sm. 159°. (2HCl, PtCl<sub>4</sub>) (B. 7, 1236; 16, 50). — II, 350.
  - 3) **Resorcindisazobenzoltoluol.** Sm. 195—196° (B. 15, 2823). — IV, 1444.
  - 4) **isom. Resorcindisazobenzoltoluol.** Sm. 204—206° (B. 15, 2822). — IV, 1444.
  - 5) **isom. Resorcindisazobenzoltoluol.** Sm. 240—241° (B. 15, 2824). — IV, 1444.
  - 6) **2-Methyläther d. 4,6[ $\beta$ ]-Diphenylazo-1,2-Dioxybenzol (Guajakoldisazobenzol).** Sm. 150—150,5° (B. 29, 2686). — IV, 1441.

- $C_{19}H_{16}O_2N_4$ , 7) 4<sup>4</sup>-Methyläther d. 2-Phenylazo-4-[4-Oxyphenyl]aso-1-Oxybenzol. Sm. 117° (B. 32, 124). C 63,3 — H 4,4 — O 8,9 — N 23,3 — M. G. 360.
- $C_{19}H_{16}O_2N_6$  1) Phenylen diamindisobenzol-3-Carbonsäure (B. 16, 2032). — IV, 1461.
- $C_{19}H_{16}O_3N_7$  1) Diacetyl derivat d. 5-Imido-3,4-Diphenyl-4,5-Dihydroisoxazol. Sm. 144—145° (J. pr. [2] 55, 313).
- 2) Acetat d. 6-Oxy-2-[4-Acetylaminodiphenyl]chinolin (M. 9, 149). — IV, 1025.
- 3) Benzoat d. 6-Oxy-4-Methyl-2-[a-Oxybenzyl]-1,3-Diazin. Sm. 205 bis 208°. HCl (PINNER, Imidoäther 284). — IV, 972.
- Aesthelester d. 2-Oxy-1-Phenylisonaphtalin-1'-Carbonsäure. Sm. 104° (B. 14, 2035). — IV, 1463.
- $C_{19}H_{16}O_3S_4$  1) Phenyläther d.  $\alpha$ -Merkapto- $\gamma$ -[2-Naphthyl]sulfon- $\beta$ -Ketopropan. Sm. 141° (J. pr. [2] 55, 413).
- $C_{19}H_{16}O_4N_2$  1) C 67,8 — H 4,8 — O 19,1 — N 8,3 — M. G. 336.
- 2, 3-Di[4-Methoxy]-1,4-Diasin-5-Carbonsäure. Sm. 224—225°. Ag (Soc. 63, 1308). — IV, 1049.
- 2) Aesthelester d. 3-Nitro-4-[1-Naphthyl]amidobenzol-1-Carbonsäure. Sm. 109° (B. 23, 3458). — II, 1286.
- 3) Aesthelester d. 3-Nitro-4-[2-Naphthyl]amidobenzol-1-Carbonsäure. Sm. 127,5° (B. 23, 3457). — II, 1286.
- $C_{19}H_{16}O_4N_4$  1) Di[Carboxyphenylhydrazin] d. Propan- $\alpha\alpha$ -Dicarbonsäure. Sm. 112—113° (B. 21, 1243). — IV, 704.
- $C_{19}H_{16}O_4S_2$  1) Benzylidendiphenylsulfon. Sm. 262° (B. 25, 355). — III, 10.
- $C_{19}H_{16}O_4S_3$  1) Phenyläther d.  $\alpha$ -Merkaptodiphenylsulfonmethan. Sm. 174—175° (B. 25, 347; J. pr. [2] 51, 315). — II, 784.
- $C_{19}H_{16}O_5N_2$  1) C 64,8 — H 4,5 — O 22,7 — N 7,9 — M. G. 352.
- Nitroderivat d. Kohlenw.  $C_{19}H_{16}$  (A. 212, 100).
- $C_{19}H_{16}O_5N_6$  1) a-Harnstoff d. 2-Keto-5-Methyl-3-[4-Amidophenyl]-2,3-Dihydro-1,3,4-Oxadiazol. Sm. 290° (B. 26, 1320). — IV, 1127.
- $C_{19}H_{16}O_5S_2$  1)  $\alpha$ -Phenylsulfon- $\gamma$ -[2-Naphthyl]sulfon- $\beta$ -Ketopropan. Sm. 144° (J. pr. [2] 55, 411).
- $C_{19}H_{16}O_6N_2$  1) C 61,9 — H 4,3 — O 26,1 — N 7,6 — M. G. 368.
- 1) Aesthelester d. 4,5-Diketo-2-Phenyl-1-[3-Nitrophenyl]tetrahydro-pyrrol-3-Carbonsäure. Sm. 199—200° (B. 30, 604). — IV, 368.
- 2) Aesthelester d. 4,5-Diketo-2-[3-Nitrophenyl]-1-Phenyltetrahydro-pyrrol-3-Carbonsäure. Sm. 208—209° (B. 30, 604). — IV, 368.
- $C_{19}H_{16}O_6Br_2$  1)  $\beta$ -Dibrom- $\alpha\alpha$ -Di[ $\beta$ -Acetoxyphenyl]propionsäure (B. 16, 2074). — II, 1882.
- 2)  $\gamma^2$ -Acetat- $\alpha^{24}$ -Methylenäther- $\gamma^4$ -Methyläther d.  $\alpha\beta$ -Dibrom- $\gamma$ -Keto- $\gamma$ -[2,4-Dioxophenyl]- $\alpha$ -[3,4-Dioxophenyl]propan. Sm. 137—138° (B. 32, 313).
- $C_{19}H_{16}O_8S_3$  1) Tri[Phenylsulfon]methan. Sm. 215°. K, Ba, Ag (B. 25, 348). — II, 784.
- $C_{19}H_{16}O_8Br_2$  1) Tetracetat d. 2,4-Dibrom-3,5,7,8-Tetraoxy-1-Methylnaphtalin. Sm. 206° (B. 26, 2671). — II, 1036.
- $C_{19}H_{16}O_8S_3$  1) Triphenylmethantrisulfonsäure. Ba<sub>3</sub> + 8H<sub>2</sub>O (B. 5, 908; 7, 1205). — II, 288.
- $C_{19}H_{16}O_1Cl_2$  1) Dichloreuxanthinsäure (J. pr. [1] 37, 392). — II, 2103.
- $C_{19}H_{16}O_1Br_2$  1) Dibromeuxanthinsäure (J. pr. [1] 37, 392). — II, 2103.
- $C_{19}H_{16}NJ$  1) Jodäthylat d. Anthrachinolin (A. 201, 348). — IV, 461.
- 2) Jodäthylat d. Phenonaphthakridin (B. 27, 2844). — IV, 464.
- $C_{19}H_{16}N_2Cl_2$  1) 2<sup>4</sup>,5<sup>1</sup>-Dichlor-4',4'-Diamidotriphenylmethan. Sm. 107° (A. 299, 351). — IV, 1043.
- 2) Chinolinmethylenchlorid. Sm. 168°. 2 + PtCl<sub>4</sub> (B. 16, 2004). — IV, 250.
- $C_{19}H_{16}N_2J_2$  1) Chinolinmethylenjodid. Sm. 132° (B. 16, 880, 2004). — IV, 250.
- $C_{19}H_{16}N_2S$  1) Triphenylthioharnstoff. Sm. 152° (B. 17, 2092). — II, 397.
- 2) 2-[1-Naphthyl]imido-3-Phenyltetrahydrothiazol. Sm. 134,5°. (2HCl, PtCl<sub>4</sub>) (B. 21, 1869). — II, 609.

- C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>S**
- 3) **2-Phenylimido-3-[1-Naphthyl]tetrahydrothiazol.** Sm. 184,5°. (2HCl, PtCl<sub>4</sub>) (B. 21, 1869). — II, 609.
  - 4) **2-Thiocarbonyl-1-Methyl-3-[1-Naphthyl]-1,2,3,4-Tetrahydro-1,3-Benzodiazin.** HJ (J. pr. [2] 52, 410). — IV, 636.
  - 5) **2-Thiocarbonyl-1-Methyl-3-[2-Naphthyl]-1,2,3,4-Tetrahydro-1,3-Benzodiazin.** Sm. 140°. HJ (J. pr. [2] 52, 414). — IV, 635.
  - 6) **2-Thiocarbonyl-1-Aethyl-3-Phenyl-1,2-Dihydro-a-Naphtimidazol** (Aethylphenylnaphylethioharnstoff). Sm. über 300° (B. 27, 2775). — IV, 919.
- C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>Cl**
- 1) **5-Chlorphenylat d. 3-Amido-2-Methyl-5,10-Naphtdiazin** (Methyl-*apo*sfraninchlorid). + PtCl<sub>4</sub> (B. 31, 967, 974). — IV, 1182.
- C<sub>19</sub>H<sub>16</sub>N<sub>2</sub>S**
- 1) **4-Phenylthioureidoazobenzol.** Sm. 179° (B. 17, 1405). — IV, 1357.
- C<sub>19</sub>H<sub>17</sub>ON**
- 1)  **$\alpha$ -Oxy-3-Amidotriphenylmethan.** Sm. 155°. HCl (B. 21, 190). — II, 1084.
  - 2)  **$\alpha$ -Oxy-4-Amidotriphenylmethan.** Sm. 116°. HCl + H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + H<sub>2</sub>O (B. 23, 1625). — II, 1084.
  - 3) **Aethyläther d. 4-Oxy-1-Phenylimidomethylnaphtalin.** Sm. 72° (Bl. [3] 17, 811).
  - 4)  **$\alpha$ -[1-Naphthyl]amidoäthylphenylketon.** Sm. 161—163° (Bl. [3] 17, 74).
  - 5)  **$\alpha$ -(2-Naphthyl)amidoäthylphenylketon.** Sm. 120—121° (Bl. [3] 17, 74).
  - 6)  **$\alpha$ -Oximido- $\alpha$ , $\gamma$ -Diphenyl- $\alpha$ , $\gamma$ , $\gamma$ -Heptatrien.** Sm. 127—128° (B. 29, 615). — III, 257.
  - 7) **[4-Methylphenyl]-[2-Naphthyl]amid d. Essigsäure.** Sm. 85° (B. 16, 2079). — II, 616.
- C<sub>19</sub>H<sub>17</sub>ON<sub>2</sub>**
- 1)  **$\beta$ -Diphenylamido- $\alpha$ -Phenylharnstoff.** Sm. 193°. — IV, 674.
  - 2) **Verbindung (aus p-Rosanilin)** (M. 17, 10).
- C<sub>19</sub>H<sub>17</sub>OP**
- 1) **Diphenylbenzylphosphinoxyd.** Sm. 192—193° (B. 18, 2116). — IV, 1662.
  - 2) **Diphenyl-4-Methylphenylphosphinoxyd.** Sm. 129—130° (B. 21, 1511). — IV, 1671.
- C<sub>19</sub>H<sub>17</sub>O<sub>2</sub>N**
- 1) **C** 75,2 — H 5,6 — O 5,3 — N 13,9 — M. G. 303.
  - 2) **Aethyläther d. 4-Benzoylamido-1-Oxynaphtalin.** Sm. 214—215° (J. pr. [2] 45, 549). — II, 1180.
  - 3) **Aethyläther d. 4-[4-Methylphenyl]imido-2-Oxy-1-Keto-1,4-Dihydronaphtalin.** Sm. 135—137° (B. 16, 287, 1970). — III, 394.
  - 3) **Propyläther d. 4-Phenylimido-2-Oxy-1-Keto-1,4-Dihydronaphtalin.** Sm. 103—104° (B. 15, 283). — III, 393.
  - 4) **Isopropyläther d. 4-Phenylimido-2-Oxy-1-Keto-1,4-Dihydronaphtalin.** Sm. 99—100° (B. 15, 283). — III, 393.
  - 5) **2-Methyl-5-Phenyl-1-[2-Methylphenyl]pyrrol-3-Carbonsäure.** Sm. 199° (B. 18, 2596). — IV, 357.
  - 6) **2-Methyl-5-Phenyl-1-[4-Methylphenyl]pyrrol-3-Carbonsäure.** Sm. 227° (B. 18, 2597). — IV, 357.
  - 7) **2-[4-Isopropylphenyl]chinolin-4-Carbonsäure.** Sm. 201°. Ag (A. 249, 102). — IV, 450.
  - 8) **Aethylester d.  $\alpha$ -Cyan- $\beta$ , $\gamma$ -Diphenylpropen- $\alpha$ -Carbonsäure.** Sm. 163° (J. pr. [2] 54, 549).
  - 9) **Aethylester d. Phenyl-2-Naphtylamidoameisensäure.** Sm. 93° (B. 24, 2919). — II, 617.
  - 10) **Aethylester d. 2,5-Diphenylpyrrol-3-Carbonsäure.** Sm. 159° (B. 21, 3060). — IV, 449.
- C<sub>19</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>**
- 1) **C** 71,5 — H 5,3 — O 10,0 — N 13,2 — M. G. 319.
  - 2) **2'-Nitro-4<sup>1</sup>,4<sup>2</sup>-Diamidotriphenylmethan** (B. 16, 1305). — IV, 1043.
  - 2) **3'-Nitro-4<sup>1</sup>,4<sup>2</sup>-Diamidotriphenylmethan.** Sm. 136°. + C<sub>6</sub>H<sub>6</sub> (Sm. 81°) (B. 13, 671). — IV, 1043.
  - 3) **4'-Nitro-4<sup>1</sup>,4<sup>2</sup>-Diamidotriphenylmethan.** + Toluol. 2HCl, (2HCl, PtCl<sub>4</sub>) (B. 15, 678). — IV, 1043.
  - 4)  **$\alpha$ -Diphenyl- $\beta$ -[2-Nitrobenzyl]hydrasins.** Sm. 143° (B. 28, 933). — IV, 811.
  - 5) **2-Oxy-1-[5-Acetylamo-2-Methylphenylazo]naphtalin.** Sm. 275 bis 276° (B. 15, 2830). — IV, 1436.

- C<sub>18</sub>H<sub>17</sub>O<sub>3</sub>N<sub>3</sub>** 6) **Methyläther d. 4-Acetylamido-2-Phenylazo-1-Oxynaphthalin.** Sm. 218—220° u. Zers. (B. 29, 2950). — IV, 1431.  
 7) **Methyläther d. 2-Oxyphenylacetilyhydrasimido-β-Naphtalin.** Sm. 198—199° (B. 18, 3131). — IV, 1576.  
 8) **Aethylester d. 5-[β-Phenyläthenyl]-1-Phenyl-1,2,4-Triazol-3-Carbonsäure.** Sm. 148°. — IV, 1170.  
 9) **Phenylamidoformiat d. 4-Oxy-a-Diphenylhydrasin (Carbanilidooxyhydrazobenzol).** Sm. 155° (B. 23, 491). — IV, 1504.  
 10) **Isocarbanilidooxyhydrazobenzol.** Sm. 218—220° (B. 23, 494). — IV, 1504.
- C<sub>19</sub>H<sub>17</sub>O<sub>3</sub>N<sub>5</sub>** C 65,7 — H 4,9 — O 9,2 — N 20,2 — M. G. 347.  
 1) **Acetat d. 3-Oximidoamidomethyl-5-[β-Phenyläthenyl]-1-Phenyl-1,2,4-Triazol.** Sm. 158° u. Zers. — IV, 1170.  
 2) **Di[Phenylhydrazid] d. Cinchomeronsäure.** Zers. bei 100—110° (M. II, 146). — IV, 799.
- C<sub>19</sub>H<sub>17</sub>O<sub>3</sub>N** C 74,3 — H 5,5 — O 15,6 — N 4,6 — M. G. 307.  
 1) **Cusparin (oder C<sub>20</sub>H<sub>19</sub>O<sub>3</sub>N).** Sm. 92° (G. 13, 363). — III, 777.  
 2) **Cusparidin.** Sm. 79°. HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>5</sub>), HBr, H<sub>2</sub>SO<sub>4</sub> (B. 25 [2] 201). — III, 778.  
 3) **Methylapocinchensäure (B. 18, 2383).** — III, 838.  
 4) **2-Oximido-4,5-Diphenyl-2,3-Dihydro-R-Penten-1-Methylcarbonsäure.** Sm. 183—184° (See. 71, 151).  
 5) **6-Phenylamido-4-Keto-2-Phenyl-1,2,3,4-Tetrahydrobenzol-3-Carbonsäure.** Sm. 190° u. Zers. (A. 294, 280).  
 6) **Methylester d. γ-Cyan-α-Keto-α-Diphenylbutan-γ-Carbonsäure.** Sm. 133—134° (C. 1895 [2] 918).  
 7) **Aethylester d. 3-Phenylamido-1-Oxynaphthalin-2-Carbonsäure.** Sm. 185° (A. 298, 385).  
 8) **Aethylester d. 4-Oxy-6-Methyl-2-Phenylchinolin-3-Carbonsäure.** Sm. 236° (B. 19, 1542). — IV, 448.  
 9) **Aethylester d. 4-Oxy-8-Methyl-2-Phenylchinolin-3-Carbonsäure.** Sm. 208,5° (B. 19, 1545). — IV, 449.  
 10) **Aethylester d. 6-Methoxy-2-Phenylchinolin-4-Carbonsäure.** Sm. 105° (A. 282, 106). — IV, 447.
- C<sub>18</sub>H<sub>17</sub>O<sub>3</sub>N<sub>3</sub>** C 68,1 — H 5,1 — O 14,3 — N 12,5 — M. G. 335.  
 1) **1-Nitro-2-Naphthyäther d. β-Phenylhydrazon-α-Oxypropan.** Sm. 120° (B. 31, 759).  
 2) **Amid d. 2,3-Di[4-Methoxyl]-1,4-Diazin-5-Carbonsäure.** Sm. 240 bis 241° (See. 63, 1308). — IV, 1049.
- C<sub>19</sub>H<sub>17</sub>O<sub>3</sub>P** 1) **Diphenylester d. 4-Methylphenylphosphinsäure.** Sd. oberh. 360° (A. 293, 262). — IV, 1668  
 2) **Diphenylester d. Benzylphosphinsäure.** Sm. 60° (B. 31, 1051). — IV, 1663.
- C<sub>19</sub>H<sub>17</sub>O<sub>4</sub>N** C 70,6 — H 5,3 — O 19,8 — N 4,3 — M. G. 323.  
 1) **Opiansäuremethylketolid.** Sm. 194° (B. 29, 2035). — IV, 221.  
 2) **Dimethylester d. α-Cyan-α-β-Diphenyläthan-α-β-Dicarbonsäure.** Sm. 101° (B. 23, 115). — II, 1891.  
 3) **Aethylester d. 4,5-Diketo-1,2-Diphenyltetrahydropyrrol-3-Carbonsäure.** Sm. 171°. Na (B. 30, 602). — IV, 368.  
 4) **β,2'-Methyliimid d. α-β-Diphenylpropan-β,2,2'-Tricarbonsäure.** Sm. 145—147° (B. 27, 2495). — II, 2027.  
 5) **Verbindung (aus 2-Nitrobezozylbenzylmalonsäurediäthylester).** Sm. 147° u. Zers. (A. 251, 384). — II, 1978.
- C<sub>19</sub>H<sub>17</sub>O<sub>3</sub>N<sub>3</sub>** C 65,0 — H 4,8 — O 18,2 — N 12,0 — M. G. 351.  
 1) **Aethylester d. 4-Benzoylamido-5-Keto-1-Phenyl-4,5-Dihydropyrazol-3-Carbonsäure.** Sm. 194—195° (B. 24, 1260). — IV, 713.  
 2) **Aethylester d. 3-Methyl-1-Phenyl-5-[2-Nitrophenyl]pyrazol-4-Carbonsäure.** Sm. 146° (B. 18, 2260). — IV, 949.  
 3) **Aethylester d. 3-Methyl-1-Phenyl-5-[4-Nitrophenyl]pyrazol-4-Carbonsäure.** Sm. 128° (B. 18, 2257). — IV, 949.  
 4) **Dibenzoat d. 2,6-Di[Oximido]hexahydropyridin (Dibenzoylglutarenimidodioxim).** Sm. 179—180° (B. 22, 2971). — II, 1210.
- C<sub>19</sub>H<sub>17</sub>O<sub>4</sub>Br<sub>3</sub>** 1) **αγ-Lakton d. βγδ-Tribrom-α-Oxy-α-β-Di[4-Methoxyphenyl]butan-γ-Carbonsäure.** Sm. 140° u. Zers. (A. 255, 302). — II, 1971.

- C<sub>19</sub>H<sub>17</sub>O<sub>2</sub>Br<sub>2</sub>** 1) Trimethyläther d. Tribrombrasilin. Sm. 109—112° (B. 27, 527). — III, 654.
- C<sub>19</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>** C 59,5 — H 4,4 — O 25,1 — N 11,0 — M. G. 383.
- 1) **Aethyllester d.  $\alpha$ -Cyan- $\beta\beta'$ -Di[2-Nitrophenyl]isobuttersäure.** Sm. 81° (B. 29, 638).
- C<sub>19</sub>H<sub>17</sub>O<sub>2</sub>N** C 61,4 — H 4,6 — O 30,2 — N 3,8 — M. G. 371.
- 1) **Nornarkotin** (A. Spt. 7, 59, 62). — III, 916.
- 2) **Triacetat d.  $\alpha$ -Oximido-2,3,4[oder 3,4,5]-Trioxodiphenylmethan.** Sm. 135° (A. 269, 303). — III, 262.
- 3) **Phenylamid d. 3,4,5-Triacetoxylbenzol-1-Carbonsäure.** Sm. 161 bis 162° (A. 272, 206; B. [3] 9, 847). — II, 1923.
- C<sub>19</sub>H<sub>17</sub>O<sub>2</sub>N<sub>5</sub>** C 45,0 — H 3,4 — O 37,8 — N 13,8 — M. G. 507.
- 1) **Diäthylester d. 2,4,6-Trinitro-3-Phenylamidophenylnitromethan-dicarbonsäure.** Sm. 119° u. Zers. (Am. 14, 342). — II, 1842.
- C<sub>19</sub>H<sub>17</sub>O<sub>2</sub>N** C 48,8 — H 3,6 — O 44,5 — N 3,0 — M. G. 407.
- 1) **Nitroseuxanthinsäure.** Pb (J. pr. [1] 37, 392). — II, 2103.
- C<sub>19</sub>H<sub>17</sub>ONBr<sub>2</sub>** 1) **Triphenylmethylenamidobromid** (B. 17, 750). — II, 641.
- C<sub>19</sub>H<sub>17</sub>ONJ<sub>2</sub>** 1) **Triphenylmethylenamidiodid** (B. 17, 749). — II, 641.
- C<sub>19</sub>H<sub>17</sub>ON<sub>2</sub>Cl** 1)  **$\alpha$ -Chlor-4',4'-Diamidotriphenylmethan** (A. 217, 245). — II, 1084.
- C<sub>19</sub>H<sub>17</sub>ON<sub>2</sub>P** 1) **Phenylbenzylhydrazonphenylphosphin.** Sm. 141° (A. 270, 132). — IV, 1647.
- C<sub>19</sub>H<sub>17</sub>N<sub>2</sub>S** 1)  **$\alpha$ -Phenylamido- $\alpha\beta$ -Diphenylthioharnstoff.** Sm. 173—174° (B. 25, 3115). — IV, 1496.
- 2)  **$\beta$ -Diphenylamido- $\alpha$ -Phenylthioharnstoff.** Sm. 181° (B. 25, 3113). — IV, 680.
- 3)  **$\alpha$ -Phenyl- $\beta$ -[4-Biphenylamido]thioharnstoff.** Sm. 182° (B. 27, 3106). — IV, 970.
- C<sub>19</sub>H<sub>17</sub>Cl<sub>2</sub>P** 1) **Diphenylbenzylphosphindichlorid.** Sm. 187° (B. 21, 1506). — IV, 1662.
- C<sub>19</sub>H<sub>17</sub>SP** 1) **Diphenyl-4-Methylphenylphosphinsulfid.** Sm. 139° (B. 21, 1512). — IV, 1671.
- C<sub>19</sub>H<sub>17</sub>ON**, C 78,6 — H 6,2 — O 5,5 — N 9,7 — M. G. 290.
- 1) **P-Diamido-2-Oxytriphenylmethan** (B. 16, 1307). — II, 904.
- 2)  **$\alpha$ -Oxy-4,4'-Diamidotriphenylmethan.** Sm. unter 100°. HCl (B. 15, 234; A. 217, 241). — II, 1084.
- 3)  **$\alpha$ -Phenylhydrazon- $\alpha$ -[1-Oxy-2-Naphthyl]propan.** Sm. 128° (J. pr. [2] 43, 96). — IV, 775.
- 4) **2-Naphyläther d.  $\beta$ -Phenylhydrazon- $\alpha$ -Oxypropan.** Sm. 154° (B. 28, 1254).
- 5) **2-Oxy-1-[2,4,5-Trimethylphenyl]azonaphtalin.** Sm. 163—164° (Soc. 63, 934). — IV, 1438.
- 6) **Aethyläther d. 4-Oxy-1-[2-Methylphenyl]azonaphtalin.** Sm. 94° (B. 19, 2488). — IV, 1435.
- 7) **Aethyläther d. 4-Oxy-1-[4-Methylphenyl]azonaphtalin.** Sm. 126 bis 127° (B. 19, 2487; 27, 2353). — IV, 1435.
- 8) **6-Oxy-4-Phenyl-2-[4-Isopropylphenyl]-1,3-Diazin.** Sm. 227° (B. 30, 2008). — IV, 1045.
- 9) **6-Oxy-4-Methyl-2,5-Dibenzyl-1,3-Diazin.** Sm. 192° (B. 22, 1623). — IV, 1044.
- 10) **6-Oxy-4-Methyl-2-[4-Methylphenyl]-5-Benzyl-1,3-Diazin.** Sm. 240° (B. 23, 3826). — IV, 1045.
- 11) **2-Oxy-1-Aethyl-3-Phenyl-1,2-Dihydro- $\alpha$ -Naphtimidazol.** Sm. 161°. (2HCl, PtCl) (B. 27, 2776). — IV, 918.
- 12) **Phenylimid d. Phenylacetylaminodopropan- $\alpha\beta$ -Dicarbonsäure.** Sm. 108—109° (A. 261, 145). — II, 440.
- C<sub>19</sub>H<sub>18</sub>ON<sub>4</sub>** C 71,7 — H 5,7 — O 5,0 — N 17,6 — M. G. 318.
- 1) **Benzoldiazo-4-Nitrosophenyl-4-Tolylamin.** Sm. bei 125° u. Zers. (A. 255, 165). — IV, 798.
- C<sub>19</sub>H<sub>18</sub>OBr<sub>2</sub>** 1) **Verbindung (aus Isoamylxanthanol).** Sm. 120° u. Zers. (A. 212, 95). — III, 244.
- C<sub>19</sub>H<sub>18</sub>OBr<sub>4</sub>** 1)  **$\alpha\beta\delta\epsilon$ -Tetrabrom- $\gamma$ -Keto- $\alpha\epsilon$ -Diphenyl- $\gamma\delta$ -Dimethylpentan.** Sm. bei 180° u. Zers. (B. 31, 1888).
- C<sub>19</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>** C 74,5 — H 5,9 — O 10,4 — N 9,1 — M. G. 306.
- 1) **Methylenäther d.  $\epsilon$ -Phenylhydrazon- $\alpha$ -[3,4-Dioxyphenyl]- $\alpha$ - $\gamma$ -Hexadien.** Sm. 141° (B. 28, 1193). — IV, 775.

- $C_{19}H_{18}O_2N_2$  2) **Aethylester d. 5-Methyl-1,3-Diphenylpyrazol-4-Carbonsäure.** Sm. 110° (B. 18, 932). — IV, 949.  
 3) **Aethylester d. 3-Methyl-1,5-Diphenylpyrazol-4-Carbonsäure.** Sm. 121—122° (B. 18, 312). — IV, 948.
- $C_{19}H_{18}O_2Br_2$  1) **P-Dibrom-2,6-Diphenyl-3,5-Dimethyltetrahydro-1,4-Pyron.** Sm. 144° u. Zers. (B. 29, 1353). — III, 239.
- $C_{19}H_{18}O_2N_2$  C 70,8 — H 5,6 — O 14,9 — N 8,7 — M. G. 322.  
 1) **Dehydrodiacetyläponolphenylhydrazone.** Sm. 213° (B. 25, 1298). — IV, 772.
- 2) **Aethylester d. 5-Keto-3-Benzyl-1-Phenyl-4,5-Dihdropyrazol-4-Carbonsäure.** Sm. 124—127° (B. 29, 1990). — IV, 718.
- 3) **Aethylester d. 5-Keto-4-Benzyl-1-Phenyl-4,5-Dihdropyrazol-3-Carbonsäure.** Sm. 194° (B. 31, 556). — IV, 949.
- $C_{19}H_{18}O_2N_4$  C 65,1 — H 5,1 — O 13,7 — N 16,1 — M. G. 350.  
 1)  $\alpha\gamma$ -Di[Acetylphenylhydrazone]- $\beta$ -Ketopropan. Sm. 167—168° u. Zers. (B. 27, 220). — IV, 762.
- $C_{19}H_{18}O_2Br_4$  1) **Dimethyläther d.  $\alpha\beta\delta\epsilon$ -Tetrabrom- $\gamma$ -Keto- $\alpha\epsilon$ -Di[2-Oxyphenyl]pentan.** Sm. 197° (B. 31, 1511; J. pr. [2] 60, 148).
- $C_{19}H_{18}O_4N_2$  C 67,4 — H 5,3 — O 18,9 — N 8,3 — M. G. 338.  
 1) 4 [oder 5]-Oximido-5 [oder 4]-Keto-1,2-Diphenyltetrahydropyrrol-3-Carbonsäure. 2 isom. Formen. Sm. 110° u. 224° (B. 30, 603). — IV, 368.
- $C_{19}H_{18}O_4Br_2$  1) **4-Aethyläther-2-Acetat d.  $\alpha\beta$ -Dibrom- $\gamma$ -Keto- $\gamma$ -[2,4-Dioxyphenyl]- $\alpha$ -Phenylpropan.** Sm. 118—119° (B. 31, 698).
- $C_{19}H_{18}O_4S_2$  1)  $\beta$ -Phenylsulfon- $\alpha$ -[2-Naphthylsulfon]propan. Sm. 123° (J. pr. [2] 53, 498).
- $C_{19}H_{18}O_5N_2$  C 64,4 — H 5,1 — O 22,6 — N 7,9 — M. G. 354.  
 1)  $\alpha$ -[3-Methylphenyl]amido- $\alpha$ -[3-Methylphenyl]imido- $\beta$ -Ketopropan- $\delta^1,\delta^2$ -Dicarbonsäure (Pyrotraubenmetadihomanthranilsäure). Sm. 230° u. Zers. (B. 30, 1192).
- $C_{19}H_{18}O_5N_2$  C 61,6 — H 4,9 — O 25,9 — N 7,6 — M. G. 370.  
 1)  $\alpha\gamma$ -Di[Benzoylamido]propan-2,2'-Dicarbonsäure (Trimethylenphthalimidsäure). Ag<sub>2</sub> (B. 21, 2670). — II, 1798.  
 2) Di[4-Acetoxyphenylamid] d. Methandicarbonsäure. Sm. bei 210° (G. 25 [2] 538).
- $C_{19}H_{18}O_5Br_4$  1) **Dibrompinoresinoldibromid.** Sm. 254° (M. 18, 492).
- $C_{19}H_{18}O_7N_2$  C 59,1 — H 4,7 — O 29,0 — N 7,2 — M. G. 386.  
 1)  $\alpha\gamma$ -Di[Benzoylamido]- $\beta$ -Oxypopropan-2,2'-Dicarbonsäure ( $\beta$ -Oxytrimethylenphthalimidsäure). Sm. 120° (u. 205°). 2HCl, Ag<sub>2</sub> (B. 21, 2690). — II, 1798.
- $C_{19}H_{18}O_7N_4$  C 55,1 — H 4,3 — O 27,1 — N 13,5 — M. G. 414.  
 1) **Carboxamidohippuräure.** Ba (J. pr. [2] 1, 235). — II, 1188.
- $C_{19}H_{18}O_8Cl_4$  1) **Verbindung (aus Hanf).** (Soc. 43, 19; 55, 204; B. 26, 2525). — I, 1080.
- $C_{19}H_{18}O_8N_4$  C 49,3 — H 3,9 — O 34,6 — N 12,1 — M. G. 462.  
 1) **Diäthylester d. 2,4,6-Trinitro-3-Phenylamidophenylmethandicarbonsäure.** Sm. 133° (Am. 14, 354). — II, 1842.
- $C_{19}H_{18}O_8N_4$  C 47,7 — H 3,8 — O 36,8 — N 11,7 — M. G. 478.  
 1) **Diäthylester d.  $\alpha$ -Oxy- $\alpha$ -[ $\beta$ -Trinitro- $\beta$ -Amidophenyl]methan- $\alpha\alpha$ -Dicarbonsäure.  $\alpha$ -Modif. Sm. 143°;  $\beta$ -Modif. Sm. 122°. Na<sub>2</sub>, K (Am. 14, 347). — II, 1947.**
- $C_{19}H_{18}N_2Cl_2$  1) **Verbindung (Base aus 4-Amido-1-Methylbenzol).** Acetat (B. 23, 1483). — II, 511.
- $C_{19}H_{18}N_2Br_2$  1) **Dehydrocinchendibromid.** (2HCl, PtCl<sub>4</sub>) (B. 25, 1549). — III, 840.
- $C_{19}H_{18}N_2S$  1)  $\alpha$ -[4-Aethylphenyl]-1-Naphtylthioharnstoff. Sm. 148° (B. 16, 2023). — II, 610.  
 2)  $\alpha$ -[4-Aethylphenyl]-2-Naphtylthioharnstoff. Sm. 158—159° (B. 16, 2022). — II, 619.
- $C_{19}H_{18}N_2Cl$  1) **Chlormethylat d. 3-Methyl-2-Phenyl-2,3-Dihydro-1,2,4-Naphtotriazin.** 2 + PtCl<sub>4</sub> (B. 24, 1006). — IV, 1393.
- $C_{19}H_{18}N_2J$  1) **Jodmethylat d. 3-Methyl-2-Phenyl-2,3-Dihydro-1,2,4-Naphtotriazin.** Sm. 244° (B. 24, 1006). — IV, 1393.
- $C_{19}H_{18}ClP$  1) **Methyltriphenylphosphoniumchlorid + H<sub>2</sub>O.** Sm. 212—213° (wasserfrei). 2 + PtCl<sub>4</sub> (A. 229, 310; B. 27, 273). — IV, 1660.

- C<sub>19</sub>H<sub>18</sub>JP** 1) **Methyltriphenylphosphoniumjodid.** Sm. 182—183° (A. 229, 310). — IV, 1660.  
C 82,3 — H 6,8 — O 5,8 — N 5,1 — M. G. 277.
- C<sub>19</sub>H<sub>19</sub>ON** 1)  $\gamma$ -Oximido- $\alpha\beta$ -Diphenyl- $\beta\delta$ -Dimethyl- $\alpha\delta$ -Pentadien. Sm. 157—159° (B. 31, 1888).  
2)  $\delta$ -[4-Methylphenyl]amido-4-Keto-2-Phenyl-1,2,3,4-Tetrahydrobenzol. Sm. 215° (A. 294, 307).  
3) Acetylderivat d. 2-Methylen-1,3-Dimethyl-3-Phenyl-2,3-Dihydroindol. Sm. 142° (G. 28 [2] 397).  
4) **Benzoyltrimethylidihydrochinolin.** Sm. 137—138° (G. 28 [1] 193).  
5) **Apocinchon.** Sm. 209—210°. HCl. (2HCl, PtCl<sub>4</sub>), HBr, HJ (B. 14, 1855; 18, 1226; 20, 2675; 27, 903). — III, 837.  
6) **Base** (aus Dimethylcinchoninjodmethylat). (2HCl, PtCl<sub>4</sub>) (A. 277, 288). — III, 833.
- C<sub>19</sub>H<sub>19</sub>ON<sub>3</sub>** C 74,7 — H 6,2 — O 5,2 — N 13,8 — M. G. 305.  
1)  $\alpha$ -Oxytri[4-Amidophenyl]methan (p-Rosanilin). Chlorid, Jodid, Sulfat + 8H<sub>2</sub>O (A. 194, 274; A. ch. [5] 8, 192; B. [3] 9, 690; B. 15, 678; 17, 2936; 18, 997; 19, 110; 26, 1789; 28, 521, 1696, 1703, 1705; M. 17, 5). — II, 1087.
- C<sub>19</sub>H<sub>19</sub>ON<sub>5</sub>** C 68,5 — H 5,7 — O 4,8 — N 21,0 — M. G. 333.  
1) 5-(2-Amido-1-Naphthyl)aso-4-Methylnitrosamido-1,3-Dimethylbenzol. Sm. 184° (B. 31, 2933). — IV, 1400.
- C<sub>19</sub>H<sub>19</sub>OCl** 1) Verbindung (aus Isoamyloxanthanol). Sm. 85° (B. 14, 459, 798; A. 212, 88). — III, 244.
- C<sub>19</sub>H<sub>19</sub>O<sub>2</sub>N** C 77,8 — H 6,5 — O 10,9 — N 4,8 — M. G. 293.  
1) **Apochinen.** Sm. 246°. HBr (B. 18, 1226; 20, 2686; 23, 2671). — III, 817.  
2) **Oxyapochinen.** Sm. 267° (B. 14, 1858; 18, 2385; 20, 2685). — III, 838.  
3) **Ditamin.** Sm. 75°. (2HCl, PtCl<sub>4</sub>) (A. 178, 56; 203, 147). — III, 880.  
4)  $\alpha$ -Phenylbenzylamido- $\gamma$ -Keto- $\beta$ -Aethanoyl- $\alpha$ -Buten. Sm. 106° (A. 297, 69).  
5) **Methyläther d. 2-[4-Isopropylphenyl]-5-[4-Oxyphenyl]oxazol.** Sm. 55°. HCl (B. 29, 2101). — IV, 445.
- C<sub>19</sub>H<sub>19</sub>O<sub>2</sub>N<sub>3</sub>** C 71,0 — H 5,9 — O 10,0 — N 13,1 — M. G. 321.  
1) 1-Phenylhydrazon-5-Methyl-3-[3-Nitrophenyl]-1,2,3,4-Tetrahydrobenzol. Sm. 135—150° u. Zers. (A. 303, 235).  
2) 1-Phenylhydrazon-5-Methyl-3-[4-Nitrophenyl]-1,2,3,4-Tetrahydrobenzol. Sm. 173° (A. 303, 239).  
3) **Benzosat d. 3-Oxy-6-Butyl-1-Phenyl-1,2,4-Triazol.** Sm. 87—88° (B. 29, 1951). — IV, 1111.
- C<sub>19</sub>H<sub>19</sub>O<sub>3</sub>N** C 73,8 — H 6,1 — O 15,5 — N 4,5 — M. G. 309.  
1) **Galipidin.** Sm. 182°. HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>), HBr (B. 25 [2] 201). — III, 778.
- C<sub>19</sub>H<sub>19</sub>O<sub>4</sub>N** 2) **Acetylapomorphin.** HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O). — III, 901.  
C 70,2 — H 5,8 — O 19,7 — N 4,3 — M. G. 325.  
1) **Bulbocapinin.** Sm. 199°. HCl, (2HCl, PtCl<sub>4</sub>), HBr, HJ, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> + 2H<sub>2</sub>O (A. 277, 10; C. 1898 [2] 793; M. 18, 385). — III, 877.
- C<sub>19</sub>H<sub>19</sub>O<sub>4</sub>N<sub>3</sub>** 2) **Naudinidin.** (2HCl, PtCl<sub>4</sub>) (R. 3, 196). — III, 894.  
3) **Acetylmorphinebain.** Sm. 183° (B. 17, 531). — III, 910.  
4) 2,3,4,5-Tetraetyl-1-[4-Methylphenyl]pyrrol (B. 14, 935). — IV, 67.  
5) 4-Oximido-1-Oxy-1,2-Diphenyl-R-Pentamethylen-3-Methylcarbon-säure. Sm. 122—123° u. Zers. K. Ag (Soc. 71, 149).  
6) 1,2-Lakton d. 3,4-Dioxy-1-1,2,3,4-Tetrahydro-1-Chinolyl]oxy-methylbenzol-3,4-Dimethyläther-2-Carbonsäure (Opiensäuretetrahydrochinolid). Sm. 180° (B. 29, 182). — IV, 195.  
C 64,6 — H 5,4 — O 18,1 — N 11,9 — M. G. 353.
- C<sub>19</sub>H<sub>19</sub>O<sub>4</sub>N<sub>5</sub>** 1) **Aethylester d.  $\beta$ -[2-(4-Nitrobenzyliden)amidophenyl]imidobutter-säure.** Sm. 99° (B. 29, 1501). — IV, 563.
- C<sub>19</sub>H<sub>19</sub>O<sub>4</sub>Br** 1)  $\alpha\gamma$ -Lakton d.  $\beta$ -Brom- $\alpha$ -Oxy- $\alpha\delta$ -Di[4-Methoxyphenyl]butan- $\gamma$ -Carbonsäure (Dianiaylbromentalakton). Sm. 136° (A. 255, 306). — II, 1971.
- C<sub>19</sub>H<sub>19</sub>O<sub>5</sub>N** C 66,9 — H 5,5 — O 23,5 — N 4,1 — M. G. 341.  
1) **Benzoylcotarnin +  $\frac{1}{2}$ H<sub>2</sub>O.** Sm. 122—123° (A. 254, 335). — III, 917.

- C<sub>19</sub>H<sub>19</sub>O<sub>6</sub>N** C 63,9 — H 5,3 — O 26,9 — N 3,9 — M. G. 357.  
 1) Verbindung (aus 1,4-Dioxybenzol u. CHN) (B. 19, 1008). — II, 939.
- C<sub>19</sub>H<sub>19</sub>O<sub>5</sub>Br** 1) Diäthylester d. 3-Brom-1,4,6-Trimethylisobenzofuran-2,5-Dicarbonsäure (A. 283, 267).
- C<sub>19</sub>H<sub>19</sub>O<sub>5</sub>N<sub>2</sub>** C 54,7 — H 4,5 — O 30,7 — N 10,1 — M. G. 417.  
 1) Diäthylester d. 4,6-Dinitro-3-Phenylamidophenylmethandicarbon-säure. Sm. 118°. Na (Am. II, 102). — II, 1841.
- C<sub>19</sub>H<sub>19</sub>N<sub>2</sub>Cl** 1) Dehydrocinchoninchlorid. Sm. 148—149° (B. 19, 2857). — III, 839.  
 2) Verbindung (Base aus 4-Amido-1-Methylbenzol). Sm. 135°. HCl, Diacetat (B. 23, 1480). — II, 511.
- C<sub>19</sub>H<sub>19</sub>N<sub>2</sub>S** 1)  $\alpha$ -[4-Methylphenyl]- $\beta$ -[2,4-Dimethyl-5- oder 7-Chinolyl]thioharnstoff. Sm. 142° (A. 274, 372). — IV, 938.
- C<sub>19</sub>H<sub>20</sub>ON<sub>2</sub>** C 78,0 — H 6,8 — O 5,5 — N 9,6 — M. G. 292.  
 1) Aethyläther d. 4-Amido-3-[4-Methylphenyl]amido-1-Oxynaphthalin. Sm. 118—119° (B. 27, 2354).  
 2) Aethyläther d. 5-Oxy-3-Phenyl-6,7,8,9-Tetrahydro- $\alpha$ -Naphthimidazol. Sm. 139° (B. 31, 902).  
 3) Dehydrocinchonin. Sm. 202—203°. HBr (B. 19, 2856). — III, 839.  
 4) Oxycinehen. Sm. 100—110°. (2HCl, PtCl<sub>4</sub>) (B. 23, 2670). — III, 837.  
 5) Verbindung (aus Anilin, Brenztraubensäure u. Isobuttersäurealdehyd). Sm. 222° (A. 242, 275). — IV, 358.  
 6) Verbindung (aus 4-Amido-1-Methylbenzol u. Brenztraubensäure). Sm. 238° (B. 17, 998). — II, 501.
- C<sub>19</sub>H<sub>20</sub>ON<sub>4</sub>** C 71,3 — H 6,2 — O 5,0 — N 17,5 — M. G. 320.  
 1) Verbindung (aus 2,6-Dimethyl-1,4-Pyron-3-Carbonsäure). Sm. 140—142° (A. 257, 294). — II, 1757.
- C<sub>19</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>** C 74,0 — H 6,5 — O 10,4 — N 9,1 — M. G. 308.  
 1) 1,4-Dibenzoyl-2-Methylhexahydro-1,4-Diazin + 2H<sub>2</sub>O. Sm. 146 bis 147° (waaserfrei) (J. pr. [2] 51, 476). — IV, 481.  
 2) 4-Acetylamido-3-Methyl-6-Isopropyl-1-Phenylbenzoxazol. Sm. 207 bis 208° (G. 25 [2] 403).  
 3) 4,5-Dimethyl-1,3-Diphenyl-4,5-Dihydropyrazol-5-Methylecarbonsäure. Sm. 169—170° (G. 29 [1] 8).  
 4) Phenylamid d. cis-R-Pentamethylen-1,3-Dicarbonsäure. Sm. 222 bis 224° (B. 31, 1957).  
 5)  $\beta$ -[2,4,5-Trimethylphenyl]amidoäthylimid d. Benzol-1,2-Dicarbonsäure. Sm. 143° (B. 24, 2198). — II, 1800.  
 6)  $\gamma$ -[4-Methylphenyl]methylamidopropylimid d. Benzol-1,2-Dicarbonsäure. Sm. 123° (B. 30, 2505).
- C<sub>19</sub>H<sub>20</sub>O<sub>5</sub>N<sub>4</sub>** C 67,8 — H 6,0 — O 9,5 — N 16,7 — M. G. 336.  
 1) Ketobisphenylhydrazid d.  $\beta$ -Acetylpropan- $\alpha$ -Dicarbonsäure. Sm. 222—223° (A. 295, 121). — IV, 715.  
 2) Anhydrid [Phenylhydrazid] d. Hydrochelidonsäure. Sm. noch nicht bei 290° (A. 256, 330; 267, 96). — IV, 714.
- C<sub>19</sub>H<sub>20</sub>O<sub>5</sub>N<sub>2</sub>** C 70,4 — H 6,2 — O 14,8 — N 8,6 — M. G. 324.  
 1) Di[3-Acetylamido-4-Methylphenyl]keton. Sm. 196—197° (A. 271, 7). — III, 233.  
 2)  $\gamma$ -Benzoyl d.  $\beta$ -Benzoylamido- $\gamma$ -Oximido- $\beta$ -Methylbutan. Sm. 142 bis 143° (A. 262, 332). — II, 1194.  
 3)  $\alpha$ -Diphenyldiamid d. Hydrochelidonsäure. Sm. 186—187° (A. 267, 67). — II, 420.
- C<sub>19</sub>H<sub>20</sub>O<sub>5</sub>N<sub>4</sub>** C 64,8 — H 5,7 — O 13,6 — N 15,9 — M. G. 352.  
 1) Dinitrosocinchotoxin. Sm. 198—199° u. Zers. (B. 28, 1070). — III, 846.
- C<sub>19</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>** 1) Ornithursäure (Dibenzoylamidovaleriansäure?). Sm. 182° (184). Ca, Ba (B. 10, 1925; 11, 406; 30, 2880; H. 26, 4). — II, 2111.  
 2)  $\alpha$ -Di[Phenylacetylamido]propionsäure. Sm. 145° (B. 14, 1600). — II, 1313.  
 3)  $\alpha$ , $\beta$ -Lakton d.  $\alpha$ -Oxy- $\gamma$ -Phenylhydrazon- $\alpha$ -[3,4-Dioxyphenyl]butan-3,4-Dimethyläther-2-Carbonsäure. Sm. 159—160° (M. 14, 395). — II, 2008.  
 4) Acetat d. 2-Acetylamido-1-[2-Oxybenzyl]acetylamidobenzol. Sm. 133° (B. 28, 935). — IV, 556.

- $C_{19}H_{10}O_4N_2$  5)  $\beta$ -Phenylmonamid d.  $\beta$ -Phenylacetylaminodopropan- $\alpha\beta$ -Dicarbonsäure +  $H_2O$ . Sm. 140–141° (A. 281, 148). — II, 439.
- $C_{19}H_{10}O_4N_2$  C 53,8 — H 4,7 — O 15,1 — N 26,4 — M. G. 424.
- 1) Di[3-Nitrobenzylidenamido]pentamethylendiamin. Sm. 134° (A. 288, 235). — III, 32.
- $C_{19}H_{20}O_5N_2$  C 64,0 — H 5,6 — O 22,5 — N 7,9 — M. G. 356.
- 1) Nitrocodein. (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub> (A. 77, 358). — III, 903.
- 2) Oxim d. Benzoylcotarnin. Sm. 165–166° (A. 254, 336). — III, 917.
- 3) Diäthylester d.  $\alpha$ -Diphenylharnstoff-3,3'-Dicarbonsäure. Sm. 160,5° (162°) (J. pr. [2] 4, 294; B. 11, 702). — II, 1260.
- 4) Di[4-Propionylamidophenylester] d. Kohlensäure. Sm. 180° (C. 1897 [1] 469).
- $C_{19}H_{20}O_5N_4$  C 59,4 — H 5,2 — O 20,8 — N 14,6 — M. G. 384.
- 1) Verbindung (aus 2-Nitrobenzaldehyd u. Acetessigsäureäthylester). Sm. 189°. HCl, (2HCl, PtCl<sub>4</sub>) (B. 20, 1341). — IV, 370.
- 2) isom. Verbindung (aus 2-Nitrobenzaldehyd u. Acetessigsäureäthylester). Sm. 192° (B. 20, 1343). — IV, 370.
- $C_{19}H_{20}O_6N_2$  C 61,3 — H 5,4 — O 25,8 — N 7,5 — M. G. 372.
- 1) 3-Nitro- $\alpha$ -Oxybenzylhydrocotarnin. Sm. 170–171°. (2HCl, PtCl<sub>4</sub>) (B. 31, 2100).
- 2) Diäthylester d. 2,6-Dimethyl-4-[3-Nitrophenyl]pyridin-3,5-Dicarbonsäure. Sm. 65°. (2HCl, PtCl<sub>4</sub>), Nitrat (B. 20, 1339). — IV, 386.
- $C_{19}H_{10}O_5N_2$  C 58,7 — H 5,2 — O 28,9 — N 7,2 — M. G. 388.
- 1) Noryohimbinsäure (C. 1899 [1] 529).
- 2) Carbonat d. 4-Oxyphenylamidoameisensäure. Sm. 184° (C. 1897 [1] 469).
- $C_{19}H_{20}O_6N_6$  C 47,9 — H 4,2 — O 30,2 — N 17,6 — M. G. 476.
- $C_{19}H_{20}N_2Br_2$  1) Tetraniitrohydrocinchonin (J. pr. [2] 8, 300). — III, 836.
- Cinehembromid.  $\alpha$ -Modif. Sm. 115°;  $\beta$ -Modif. Sm. 133–134° (B. 19, 2858; 20, 2512). — III, 837.
- $C_{19}H_{20}N_2S_2$  1) Jodäthylat d. 6-Phenylamido-4-Methyl-2-Phenyl-1,3-Diazin +  $H_2O$ . Sm. 215° u. Zers. (Am. 20, 487). — IV, 1168.
- $C_{19}H_{21}O_2N$  C 77,3 — H 7,1 — O 10,8 — N 4,7 — M. G. 295.
- 1) Benzoat d. 3-Dimethylamido-2-Oxy-1,2,3,4-Tetrahydronaphthalin. Fl. HCl (A. 288, 120).
- 2) Aldehyd d.  $\beta$ -(2,4-Dimethylphenyl)benzoylamidobuttersäure. Sm. 157° (B. 29, 1469).
- 3)  $\beta\gamma$ -Diphenyl-norm.-Propylimid d. Essigsäure. Sm. 85° (B. 23, 2863). — II, 637.
- $C_{19}H_{21}O_2N_2$  C 70,6 — H 6,5 — O 9,9 — N 13,0 — M. G. 323.
- 1) Nitrosocinchotoxin. Sm. 98° (B. 28, 1069). — III, 846.
- $C_{19}H_{21}O_2N$  C 73,3 — H 6,7 — O 15,4 — N 4,5 — M. G. 311.
- 1)  $\alpha$ -Oxacycanthin. Sm. 208–214° (202–204°) wasserfrei. HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 5[6]H<sub>2</sub>O), (HCl, AuCl<sub>3</sub> + 4H<sub>2</sub>O), HBr + 2H<sub>2</sub>O, HJ + 2H<sub>2</sub>O, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> + 2(4 u. 6)H<sub>2</sub>O (J. 1861, 545; B. 19, 3190; 28 [2] 614; C. 1895 [1] 924). — III, 803.
- 2)  $\beta$ -Oxacycanthin (B. 19, 3192). — III, 803.
- 3) Protouridin. Sm. 274–276°. (2HCl, PtCl<sub>4</sub>) (C. 1897 [2] 1079).
- 4) Thebaein. Sm. 193°. Salze meist bek. (A. 86, 184; 153, 61; 176, 196; B. 13, 1074; 27, 2961; 28, 941; 30, 1374; J. 1866, 823; 1867, 525; A. Spl. 8, 264; Soc. 29, 652). — III, 909.
- 5) Thebenin, siehe  $C_{19}H_{19}O_5N$ . — III, 910.
- 6) Methyläther d. Thebenin (Methylenbin). HCl, HJ (B. 32, 179).
- 7) Aethylester d.  $\alpha$ -Phenylamido- $\gamma$ -Oxy- $\alpha$ -Phenyl- $\beta$ -Buten- $\beta$ -Carbonsäure. Sm. 103–104° (B. 30, 601; 31, 207, 602, 1967).
- 8) Aethylester d.  $\alpha$ -Phenylamido- $\gamma$ -Keto- $\alpha$ -Phenylbutan- $\beta$ -Carbonsäure. Sm. 78° (B. 30, 601; 31, 207, 602, 1967).
- 9) Aethylester d. 1-Benzoyl-2,4,5-Trimethylphenyl- $\beta$ -Amidoameisensäure. Sm. 105° (B. 17, 2675). — III, 236.
- $C_{19}H_{21}O_2N$  C 69,7 — H 6,4 — O 19,6 — N 4,3 — M. G. 327.
- 1) Tubocurarin. (2HCl, PtCl<sub>4</sub>) (C. 1895 [2] 1086).
- 2) Acetylmorphin.  $\alpha$ -Modif. + 2H<sub>2</sub>O Sm. 187°;  $\beta$ -Modif. amorph. HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (Soc. 27, 1038; 28, 315). — III, 899.
- 3) Oxybenzylhydrocotarnin. Sm. 240° u. Zers. (B. 29, 2045). — III, 909.

- C<sub>19</sub>H<sub>21</sub>O<sub>4</sub>N** 4) Diacetat d. 5-Aethyl-2-[αβ-Dioxy-β-Phenyläthyl]pyridin. Sd. 315 bis 320° u. Zers. (B. 22, 1059). — IV, 398.
- 5) Dibenzoat d. γ-Dimethylamido-αβ-Dioxypropan. Fl. Pikrat (B. 15, 1154). — II, 1141.
- 6) Diäthylester d. 2,6-Dimethyl-4-Phenylpyridin-3,5-Dicarbonsäure. Sm. 66–67° (B. 16, 1608). — IV, 386.
- C<sub>19</sub>H<sub>21</sub>O<sub>5</sub>N**
- 1) Trimethylcolchicinsäure + 2H<sub>2</sub>O. Sm. 159°. + 2CH<sub>4</sub>O, HCl + 1/4H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (M. 8, 10, 875). — III, 874.
  - 2) Methylester d. Morphincarbonsäure. Sm. 116°. H<sub>2</sub>SO<sub>4</sub> (B. 25 [2] 202). — III, 900.
  - 3) Diäthylester d. 2,6-Dimethyl-4-[3-Oxyphenyl]pyridin-3,5-Dicarbonsäure. Sm. 174° (G. 17, 465). — IV, 387.
  - 4) Diäthylester d. 4-Keto-2,6-Dimethyl-1-Phenyl-1,4-Dihydropyridin-3,5-Dicarbonsäure. Sm. 170–171° (2HCl, PtCl<sub>4</sub>) (B. 19, 25). — II, 2005.
- C<sub>19</sub>H<sub>21</sub>O<sub>5</sub>Cl** 1) Diäthylester d. 1-Keto-5-Methyl-3-[4-Chlorphenyl]-1,2,3,4-Tetrahydrobenzol-2,4-Dicarbonsäure. Sm. 100–101° (A. 303, 255).
- C<sub>19</sub>H<sub>21</sub>O<sub>6</sub>N**
- 1) Helicinomonanolid + H<sub>2</sub>O (A. 154, 31). — III, 69.
  - 2) Diäthylester d. 6-Oxy-2-Keto-1-Phenyl-1,2-Dihydropyridinäthyläther-3,5-Dicarbonsäure. Sm. 115° (A. 285, 119).
- C<sub>19</sub>H<sub>21</sub>O<sub>5</sub>N**
- 1) Benzylnitroarbutin + H<sub>2</sub>O. Sm. 142–143° u. Zers. (A. 221, 370). — III, 572.
- C<sub>19</sub>H<sub>21</sub>O<sub>12</sub>N** C 49,0 — H 4,6 — O 42,2 — N 4,1 — M. G. 455.
- 1) Corydalinsäure + 3H<sub>2</sub>O. Sm. 175–180° u. Zers. (wasserfrei). K<sub>2</sub>, Ba<sub>2</sub>, Pb<sub>2</sub>, Ag<sub>2</sub>, Ag<sub>4</sub> (Soc. 65, 58; 67, 21). — III, 876.
- C<sub>19</sub>H<sub>21</sub>N<sub>2</sub>Cl** 1) Cinchoninchlorid. Sm. 72° (B. 13, 287; 14, 103, 1854; 17, 1985; 18, 2379; 25, 1545; J. 1881, 937). — III, 896.
- 2) Cinchonidinchlorid. Sm. 108–109° (B. 17, 1996). — III, 852.
- C<sub>19</sub>H<sub>21</sub>N<sub>2</sub>Br** 1) Hydrobromocinchon. Sm. 105–116° (B. 20, 2522). — III, 817.
- C<sub>19</sub>H<sub>21</sub>N<sub>2</sub>Cl** 1) Verbindung (aus α-Oxytri[4-Amidophenyl]methan) (Bl. [3] 9, 690). — II, 1087.
- C<sub>19</sub>H<sub>21</sub>N<sub>2</sub>Br<sub>4</sub>** 1) Verbindung (aus α-Oxytri[4-Amidophenyl]methan) (Bl. [3] 9, 699). — II, 1087.
- C<sub>19</sub>H<sub>21</sub>N<sub>2</sub>S<sub>2</sub>** 1) α-Phenylmethylidithiomonobenzyl-ε-Methylketuret. Sm. 85° (B. 28, 1108).
- 2) 4,4'-Biphenylenamid d. Amylimidodi[thioameisensäure]. Sm. 148° (B. 27, 1559). — IV, 965.
- C<sub>19</sub>H<sub>22</sub>ON**, C 77,5 — H 7,5 — O 5,4 — N 9,5 — M. G. 294.
- 1) Camphoxyphenylpyrimidin. Sm. 140° (PINNER, Imidoäther 291). — IV, 1018.
  - 2) 3-Keto-2-Methyl-1,4-Di[4-Methylphenyl]hexahydro-1,4-Diasin. Sm. 117–118° (B. 25, 2937). — II, 507.
  - 3) Cinchonin. Sm. 255,4°. Salze meist bek. Lit. bedeutend. — III, 828.
  - 4) β-Cinchonin. (2HCl, PtCl<sub>4</sub>), 2HJ, 3HJ, H<sub>2</sub>SO<sub>4</sub> + 2H<sub>2</sub>O (M. 13, 680; B. 28, 1426). — III, 848.
  - 5) γ-Cinchonin. Sm. 235–236°. (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> (M. 13, 688). — III, 848.
  - 6) δ-Cinchonin. Sm. 150° (144°). HCl + 1/4H<sub>2</sub>O (C. r. 118, 29; M. 19, 467, 472).
  - 7) ε-Cinchonin. Sm. 151,5–152°. HCl (M. 19, 467, 473).
  - 8) α-Isocinchonin. Sm. 126°. HCl + 3(2)H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), 2HJ, Rhodanat (A. 276, 91; B. 20, 2521; 28, 1426; M. 13, 676; 19, 466, 472). — III, 846.
  - 9) β-Isocinchonin. Sm. 125°. Salze meist bek. (A. 216, 213; 260, 216; 276, 97; J. 1888, 2286; Bl. 49, 747; M. 13, 687; B. 28, 1421; 31, 2360). — III, 846.
  - 10) Allocinchonin. Sm. 214–216°. (2HCl, PtCl<sub>4</sub>), 2HJ + 2H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> (B. 26, 2005; 31, 2360; M. 14, 371). — III, 847.
  - 11) Apocinchonin. Sm. 228°. HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), HClO<sub>4</sub>, HClO<sub>4</sub> + H<sub>2</sub>O, HBr + H<sub>2</sub>O, HJ, H<sub>2</sub>SO<sub>4</sub> + 3H<sub>2</sub>O, Oxalat + 2H<sub>2</sub>O (A. 205, 330; 276, 115; B. 16, 384; R. I., 175). — III, 844.

- $C_{19}H_{22}ON_2$ , 12) Apoisocinchonin. Sm. 216°. ( $2HCl, PtCl_4 + 2H_2O$ ), 2HJ,  $H_2SO_4 + 2H_2O$  (A. 276, 99; B. 31, 2360; M. 19, 467, 475). — III, 847.  
 13) Isospocinchonin. Sm. 232—234°. ( $2HCl, PtCl_4$ ),  $H_2SO_4 + 2H_2O$  (A. 276, 116). — III, 847.  
 14) Diapocinchonin. ( $2HCl, PtCl_4 + 2H_2O$ ), Oxalat (A. 205, 333; 276, 118). — III, 845.  
 15) Homocinchonin. Sm. 251°.  $HCl + 2H_2O$ , 2HCl, ( $2HCl, PtCl_4 + 2H_2O$ ),  $H_2SO_4 + 2H_2O$  (A. 243, 149; 276, 103). — III, 845.  
 16) Pseudocinchonin. Sm. 252°.  $HCl + H_2O$ , 2HCl, ( $2HCl, PtCl_4 + 2H_2O$ ), 2HJ,  $H_2SO_4 + 3H_2O$  (A. 276, 106; M. 19, 481). — III, 847.  
 17) Tautocinchonin. Sm. 252,5°. 2HJ,  $H_2SO_4 + 2H_2O$  (M. 19, 463, 468).  
 18) Apochinamin. Sm. 114°.  $HCl + 1\frac{1}{2}H_2O$ , ( $2HCl, PtCl_4 + 2H_2O$ ),  $HNO_3$ ,  $H_2SO_4 + 2H_2O$ , Oxalat +  $H_2O$ , Tartrat +  $xH_2O$  (A. 207, 294). — III, 857.  
 19) Cinchonibin. Sm. bei 259°. ( $2HCl, PtCl_4 + 1\frac{1}{2}H_2O$ ), Rhodanat, Oxalat, Succinat, Tartrat (Bl. 49, 747; J. 1888, 2287; A. 260, 222). — III, 848.  
 20) Cinchonicin (Cinchotoxin). Sm. 58—59° (49—50%). ( $2HCl, ZnCl_2 + 2H_2O$ ), ( $2HCl, CdCl_2 + 2H_2O$ ), ( $2HCl, PtCl_4 + H_2O$ ), ( $3HCl, 2PtCl_4 + 4H_2O$ ), HJ, Oxalat +  $4H_2O$ , Ditartrat (J. 1853, 423, 473; Soc. 25, 102; A. 147, 242; 166, 277; 178, 253; 201, 333; B. 28, 1071; Bl. [3] 13, 1005). — III, 845.  
 21) Apocinchonicin. ( $2HCl, PtCl_4 + 2H_2O$ ), Oxalat (A. 205, 331). — III, 845.  
 22) Cinchonidin. Sm. 207,2° (202,4%). Salze meist bek. Lit. bedeutend. — III, 848.  
 23)  $\beta$ -Cinchonidin. Sm. 244°. ( $2HCl, PtCl_4$ ), 3HJ, Oxalat, Ditartrat, Pikrat (M. 13, 655). — III, 853.  
 24)  $\gamma$ -Cinchonidin. Sm. 238°. ( $2HCl, PtCl_4$ ), Ditartrat (M. 13, 659). — III, 853.  
 25) Isocinchonidin. Sm. 235° (A. 243, 149). — III, 853.  
 26) Apocinchonidin. Sm. 223° u. Zers. ( $2HCl, PtCl_4 + 2H_2O$ ), Tartrat (A. 205, 327). — III, 853.  
 27) Homocinchonidin. Sm. 207,6°. Salze meist bek. (A. 205, 203; 207, 310; 243, 148; 258, 140; B. 14, 46, 1890; M. 2, 345; Fr. 35, 134). — III, 854.  
 28) Cinchonifin. Sm. 273,6°.  $HCl + 2H_2O$ , Br +  $H_2O$ , HJ +  $H_2O$ ,  $HNO_3 + H_2O$ ,  $H_2SO_4 + 2H_2O$ , Succinat, Oxalat +  $H_2O$ , Tartrat +  $1\frac{1}{2}H_2O$  (Bl. 49, 747; B. 27 [2] 256). — III, 848.  
 29) Cinchonilin. Sm. 130,4°.  $HCl + 3H_2O$ , ( $2HCl, PtCl_4 + H_2O$ ), ( $2HCl, AuCl_2$ ) +  $H_2O$ , HBr +  $3H_2O$ , HJ +  $H_2O$ , 2HJ, Rhodanat +  $H_2O$  (Bl. 49, 747; J. 1888, 2287). — III, 848.  
 30) Cinchotoxin (siehe Cinchonicin). Sm. 58—59° (B. 28, 1064). — III, 846.  
 31) Nitril d. 6-Keto-2,2,4-Trimethyl-1-[2,3,4-Tetrahydro-2-Naphthyl]-1,2,3,6-Tetrahydropyridin-5-Carbonsäure. Sm. 210—211° (C. 1895 [2] 973).
- $C_{19}H_{22}O_2N_2$ . C 73,6 — H 7,1 — O 10,3 — N 9,0 — M. G. 310.  
 1)  $\alpha\beta$ -Di[Acetylphenylamido]propan. Sm. 146—147° (B. 25, 3272). — II, 368.  
 2) Di[5-Acetylamido-2-Methylphenyl]methan. Sm. 270° (B. 27, 3315). — IV, 984.  
 3) Di[4-Acetylamido-3-Methylphenyl]methan. Sm. 198° u. Zers. (B. 27, 1811). — IV, 984.  
 4)  $\alpha\beta$ -Di[Benzoylamido]pentan. Sm. 129,5° (H. 13, 567; 16, 196). — II, 1170.  
 5)  $\beta\delta$ -Di[Benzoylamido]pentan. Sm. 189° (B. 31, 550).  
 6) isom.  $\beta\beta$ -Di[Benzoylamido]pentan. Sm. 189—190° (B. 31, 551).  
 7) d- $\alpha\delta$ -Di[Benzoylamido]- $\beta$ -Methylbutan. Sm. 151—152° (Bl. [3] 17, 807).  
 8)  $\alpha\eta$ -Dioximido- $\alpha\eta$ -Diphenylheptan. Sm. 175—176° (Soc. 55, 347). — III, 301.  
 9) Phenylhydrazen d. 3-Methyläther-4-Acetyl-methyläther d. 3,4-Dioxy-1-Allylbenzol (Ph. d. Acetonyleugenol). Sm. 93° (B. 27, 2465). — IV, 768.  
 10) Phenylhydrazen d. 3-Methyläther-4-Acetyl-methyläther d. 3,4-Dioxy-1-Propenylbenzol (Ph. d. Acetonyliosogenol). Sm. 145° (B. 27, 2466). — IV, 768.  
 11) p-Furfroluidin.  $HCl$ ,  $HNO_3$  (A. 156, 203). — III, 723.

- C<sub>19</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** 12) **Apochininin** + 2H<sub>2</sub>O. Sm. 210° u. Zers. (2HCl, PtCl<sub>4</sub>), 2HJ + H<sub>2</sub>O, Oxalat (A. 205, 323; 230, 65; B. 28, 1972; M. 16, 34). — III, 818.  
 13) **Apoconchinin** + 2H<sub>2</sub>O. Sm. 137° (wasserfrei). HCl, (2HCl, PtCl<sub>4</sub>) + 3H<sub>2</sub>O (A. 205, 326). — III, 826.  
 14) **Cuprein** + 2H<sub>2</sub>O. Sm. 198°. Salze meist bek. (A. 230, 57; Bl. [3] 7, 305; R. 8, 147). — III, 821.  
 15)  $\alpha$ -**Oxycinchonin**. Sm. 252° u. Zers. HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) +  $\frac{1}{2}$ H<sub>2</sub>O, (HCl, AuCl<sub>3</sub> + H<sub>2</sub>O), HBr + H<sub>2</sub>O, HJ + H<sub>2</sub>O, Oxalat (Bl. 49, 748; J. 1889, 2019). — III, 840.  
 16)  $\beta$ -**Oxycinchonin**. Sm. 273°. HCl + H<sub>2</sub>O, 2HCl + 3H<sub>2</sub>O, (2HCl, CdCl<sub>2</sub>) + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), HBr + H<sub>2</sub>O, 2HBr, HJ, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> + 4H<sub>2</sub>O, Oxalat + H<sub>2</sub>O, Succinat + 3H<sub>2</sub>O, Tartrat + H<sub>2</sub>O (Bl. 49, 748; C. 1895 [1] 436; B. 28 [2] 61). — III, 840.  
 17) **isom. Oxycinchonin**. (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> (A. 108, 347; 123, 381). — III, 840.  
 18) **isom. P-Oxycinchonin**. Sm. 205° (J. 1876, 822). — III, 835.  
 19) **Methylester** d. **4,5-Camphyl-1-Phenylpyrazol-3-Carbonsäure**. Sm. 80,5—81,5° (Am. 20, 337).  
 20) **Nitrit** d.  $\beta$ -**Valeroxy- $\alpha$ -[2-Cyanphenyl]- $\alpha$ -Hexen- $\alpha$ -Carbonsäure**. Sm. 119—120°. + C<sub>2</sub>H<sub>6</sub>O (Sm. 153—154°) (B. 30, 895).  
 21) **Phenylamid** d. **Pentan- $\alpha$ -Dicarbonsäure**. Sm. 155° (A. 295, 179).  
 22) **Phenylamid** d.  $\beta$ -**Methylbutan- $\alpha$ -Dicarbonsäure**. Sm. 199—200° (Bl. [3] 15, 228).  
 23) **Verbindung** (aus Furfurol u. Methylanilin). HCl (Sm. 94°) (A. 239, 354). — III, 723.  
 24) **Base** (aus Dihydrojodapoconchinin). Sm. 157°. (2HCl, PtCl<sub>4</sub>) (M. 12, 675). — III, 826.
- C<sub>19</sub>H<sub>22</sub>O<sub>4</sub>N<sub>6</sub>** C 62,3 — H 6,0 — O 8,7 — N 23,0 — M. G. 366.  
 1) **Di[2-Oxybenzylidenamido]-R-Pentamethylentetramin**. Sm. 213° (A. 288, 234). — III, 72.
- C<sub>19</sub>H<sub>22</sub>O<sub>8</sub>S** 1) **Diäthyläther** d. **Di[P-Oxy- $\beta$ -Methylphenyl]thioketon**. Sm. 117 bis 118° (B. 26, 2572). — III, 232.  
 2) **Dipropyläther** d. **4,4'-Dioxydiphenylthioketon**. Sm. 105—106° (B. 28, 2871). — III, 2II.
- C<sub>19</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 69,9 — H 6,7 — O 14,7 — N 8,6 — M. G. 326.  
 1) **Dioxycinchonidin**. (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub>, H<sub>2</sub>SO<sub>4</sub> + 2H<sub>2</sub>O (A. 172, 104). — III, 852.
- C<sub>19</sub>H<sub>22</sub>O<sub>4</sub>** 2) **Aethyläther** d. **6-[4-Acetylaminodiphenyl]acetylamido-3-Oxy-1-Methylbenzol**. Sm. 153° (A. 287, 158).  
 3) **Aethyläther** d. **2-Acetylamido-5-[4-Oxyphenyl]acetylamido-1-Methylbenzol**. Sm. 180—181° (A. 287, 166).  
 4) **Isoamylester** d. **Diphenylallophanäsure**. Sm. 58° (B. 4, 248). — II, 832.  
 5)  $\alpha$ -**Benzyl- $\beta$ -Phenylhydrazid** d. **Bernsteinsäuremonoäthylester**. Sm. 79° (B. 26, 678). — IV, 812.
- C<sub>19</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** C 66,7 — H 6,4 — O 18,7 — N 8,2 — M. G. 342.  
 1)  $\alpha\alpha$ -**Di[P-Nitrophenyl]heptan**. Fl. (Bl. 47, 49). — II, 242.  
 2) **Chitenin** + 4H<sub>2</sub>O. Sm. 286° u. Zers. (wasserfrei). (2HCl, PtCl<sub>4</sub>) + 3H<sub>2</sub>O, 2HBr + 1(H<sup>1/2</sup>)H<sub>2</sub>O, 2H<sub>2</sub>SO<sub>4</sub> + 15H<sub>2</sub>O, Ag (A. 199, 352; Z. 1869, 594; M. 14, 598). — III, 819.  
 3) **Chitenidin** + 2H<sub>2</sub>O. Sm. 246° u. Zers. (2HCl, PtCl<sub>4</sub>) + 3H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + 3H<sub>2</sub>O (B. 16, 1659). — III, 826.  
 4) **Diäthylester** d. **Di[Phenylamido]methan- $\alpha$ - $\alpha$ -Dicarbonsäure**. Sm. 117—118° (Am. 19, 695).  
 5) **Diäthylester** d. **2,6-Dimethyl-4-[3-Amidophenyl]pyridin-3,5-Dicarbonsäure**. Sm. 109—110°. (2HCl, PtCl<sub>4</sub>) + H<sub>2</sub>O (B. 20, 1340). — II, 837.  
 6) **4-Methylphenylamid** d. **Mesoxaläthyläthersäure** (Am. 16, 382).  
 7) **Di[4-Aethoxyphenylamid]** d. **Methandicarbonsäure**. Sm. 233 bis 234° (226°) (G. 25 [2] 540; B. 31, 3257).  
 8) **Verbindung** (aus s-Diphenylbarnstoff u. Acetessigsäureäthylester). Fl. (A. 233, 11). — II, 379.
- C<sub>19</sub>H<sub>22</sub>O<sub>5</sub>N<sub>4</sub>** C 59,1 — H 5,7 — O 20,7 — N 14,5 — M. G. 386.  
 1) **Dinitrocinchonamin**. Sm. 118°. (2HCl, PtCl<sub>4</sub>) + 3H<sub>2</sub>O (A. 225, 227; A. ch. [6] 19, 119). — III, 929.

- C<sub>19</sub>H<sub>22</sub>O<sub>5</sub>N<sub>4</sub>** 2) Diäthylester d. s-Diphenylcarbaziddicarbonsäure. Sm. 158—159° (B. 32, 15).
- C<sub>19</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>** C 61,0 — H 5,9 — O 25,6 — N 7,5 — M. G. 374.
- 1) Helicinphenylhydrazon. Sm. 187° (B. 18, 1659). — IV, 759.
  - 2) Diäthylester d. 2,6-Dimethyl-4-[2-Nitrophenyl]-1,4-Dihydropyridin-3,5-Dicarbonsäure. Sm. 119—120° (B. 20, 1341). — IV, 370.
  - 3) Diäthylester d. 2,6-Dimethyl-4-[3-Nitrophenyl]-1,4-Dihydropyridin-3,5-Dicarbonsäure. Sm. 161° (B. 20, 1338). — IV, 371.
  - 4) Diäthylester d. 2,6-Dimethyl-4-[4-Nitrophenyl]-1,4-Dihydropyridin-3,5-Dicarbonsäure. Sm. 118—122° (B. 20, 1340). — IV, 371.
- C<sub>19</sub>H<sub>22</sub>O<sub>5</sub>N<sub>4</sub>** C 54,5 — H 5,3 — O 26,8 — N 13,4 — M. G. 418.
- 1) Verbindung (aus Harnstoff u. 2-Nitrobenzol-1-Carbonsäurealdehyd). Sm. 170° (M. 10, 305). — III, 33.
- C<sub>19</sub>H<sub>22</sub>O<sub>5</sub>S<sub>2</sub>** 1) Di-[ $\beta$ -Trimethylphenyl]keton- $\beta$ -Disulfonsäure (Dipseudocumylketondisulfonsäure). Ba (J. pr. [2] 47, 50). — III, 239.
- C<sub>19</sub>H<sub>19</sub>ON** C 81,1 — H 8,2 — O 5,7 — N 5,0 — M. G. 281.
- 1)  $\alpha$ -Oximido- $\alpha\gamma$ -Di[2,5-Dimethylphenyl]propan. Sm. 82—84° (A. ch. [7] 2, 206). — III, 239.
- C<sub>19</sub>H<sub>22</sub>O<sub>5</sub>N** C 76,8 — H 7,7 — O 10,8 — N 4,6 — M. G. 297.
- 1)  $\alpha$ -Naphtoleonicinurethan. Sd. oberh. 300° (Bl. [3] 19, 189).
  - 2)  $\beta$ -Naphtoleonicinurethan. Sd. oberh. 300° (Bl. [3] 19, 189).
  - 3) 2-Methylphenylamid d. Oxyessig-4-Isobutylphenyläthersäure. Sm. 91° (Am. 19, 75).
  - 4) 4-Methylphenylamid d. Oxyessig-4-Isobutylphenyläthersäure. Sm. 122° (Am. 19, 76).
- C<sub>19</sub>H<sub>22</sub>O<sub>5</sub>N** C 72,9 — H 7,3 — O 15,3 — N 4,5 — M. G. 313.
- 1)  $\alpha$ -Methylmorphimethin (Methocodein). Sm. 118,5°. HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (A. ch. [5] 27, 276; A. 222, 218; B. 22, 185, 1113; 27, 1145; 30, 355). — III, 903.
  - 2)  $\beta$ -Methylmorphimethin (Methocodein). Fl. HCl, Tartrat (B. 22, 1133; 27, 1145). — III, 904.
  - 3) Dihydrothebaïn. Sm. 154° (B. 32, 192).
  - 4) Isodihydrothebaïn. Sm. 138°. HJ (B. 32, 195).
  - 5) Aethyläther d. Morphin + H<sub>2</sub>O (Codäthylin). Sm. 83°. HCl + H<sub>2</sub>O (A. ch. [5] 27, 278; C. 1899 [1] 430, 705). — III, 908.
  - 6) Aethylpiperin (3,4-Methylenäther d.  $\epsilon$ -Keto- $\epsilon$ -Piperidyl- $\alpha$ -[3,4-Dioxyphenyl]- $\delta$ -Aethyl- $\alpha\gamma$ -Pendadien). Sm. 118—119° (B. 28, 1196). — IV, 77.
  - 7) Dipropyläther d.  $\alpha$ -Oximido-4,4'-Dioxydiphenylmethan. Sm. 113° (B. 28, 2871). — III, 199.
  - 8) Aethylester d. 3-Benzoyl-1,2,4,6-Tetramethyl-1,4-Dihydropyridin-5-Carbonsäure. Sm. 97° (B. 24, 1669). — IV, 90.
- C<sub>19</sub>H<sub>22</sub>O<sub>4</sub>N** C 69,3 — H 7,0 — O 19,4 — N 4,2 — M. G. 329.
- 1) d-Cinnamylcocain. Sm. 68°. HCl, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>5</sub>), HBr, HNO<sub>3</sub> (B. 24, 7). — III, 869.
  - 2) l-Cinnamylcocain. Sm. 121°. HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>5</sub>) (B. 21, 3374; 22, 132, 2661; A. 271, 184). — III, 869.
  - 3) Allocinnamylcocain. Fl. (2HCl, PtCl<sub>4</sub>) (B. 27, 2046). — III, 869.
  - 4)  $\gamma$ -Isatropylcocain +  $\frac{1}{2}$ H<sub>2</sub>O (Cocamin;  $\alpha$ -Truxillin) (B. 22, 665, 682; A. 271, 187). — III, 869.
  - 5)  $\delta$ -Isatropylcocain (Isococain;  $\beta$ -Truxillin). Zers. oberh. 120°. (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>5</sub>) (B. 21, 2342, 3196; 22, 681; A. 271, 191). — III, 869.
  - 6)  $\epsilon$ -Isatropylcocain ( $\gamma$ -Truxillin). Sm. bei 63° (B. 22, 130). — III, 869.
  - 7) Diäthylester d. 2,6-Dimethyl-1-[4-Methylphenyl]pyrrol-2,4-Dicarbonsäure. Sm. 67° (B. 18, 304). — IV, 92.
  - 8) Diäthylester d. 2,6-Dimethyl-4-Phenyl-1,4-Dihydropyridin-3,5-Dicarbonsäure. Sm. 157° (B. 18, 1607; 31, 742; M. 17, 349). — IV, 370.
- C<sub>19</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>** C 63,9 — H 6,4 — O 17,9 — N 11,8 — M. G. 357.
- C<sub>19</sub>H<sub>22</sub>O<sub>5</sub>N** 1) Isoamyldi[4-Nitrobenzyl]amin. Sm. 57° (B. 30, 67).
- C 66,1 — H 6,7 — O 23,2 — N 4,0 — M. G. 345.
- 1) Laurotetanin. Sm. 134°. HCl + 6H<sub>2</sub>O, HBr + 2H<sub>2</sub>O, HJ + 2H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + 5H<sub>2</sub>O (C. 1899 [1] 122).
  - 2) Acetylcopolamin. (HCl, AuCl<sub>5</sub>). — III, 796.

- C<sub>19</sub>H<sub>23</sub>O<sub>5</sub>N** 3) Diäthylester d. 1-Oximido-5-Methyl-3-Phenyl-1,2,3,4-Tetrahydrobenzol-2,4-Dicarbonsäure. Sm. 173° (A. 281, 78). — II, 1971.
- C<sub>19</sub>H<sub>23</sub>O<sub>6</sub>Cl** 1) Diäthylester d.  $\beta\gamma$ -Diketo- $\delta$ -[4-Chlorphenyl]heptan- $\gamma\epsilon$ -Dicarbonsäure. Sm. 150—151° (A. 303, 253).
- C<sub>19</sub>H<sub>23</sub>O<sub>6</sub>Br** 1) Diäthylester d.  $\beta\gamma$ -Brom- $\beta\gamma$ -Diketo- $\delta$ -Phenylheptan- $\gamma\epsilon$ -Dicarbonsäure. Sm. 159° (B. 18, 2584). — II, 2020.
- C<sub>19</sub>H<sub>23</sub>O<sub>5</sub>N** C 60,5 — H 6,1 — O 29,7 — N 3,7 — M. G. 377.
- 1)  $\alpha$ -Phenylmonamid d. Propen- $\alpha\gamma\gamma$ -Tetracarbonsäure- $\alpha\gamma\gamma$ -Triäthylester. Fl. (A. 285, 140).
- C<sub>19</sub>H<sub>23</sub>O<sub>5</sub>N** C 58,0 — H 5,8 — O 32,6 — N 3,6 — M. G. 393.
- 1) Diäthylester d.  $\beta\gamma$ -Diketo- $\delta$ -[2-Nitrophenyl]heptan- $\gamma\epsilon$ -Dicarbonsäure. Sm. 163—164° (A. 303, 231).
- 2) Diäthylester d.  $\beta\gamma$ -Diketo- $\delta$ -[3-Nitrophenyl]heptan- $\gamma\epsilon$ -Dicarbonsäure. Sm. 146° (A. 303, 232).
- 3) Diäthylester d.  $\beta\gamma$ -Diketo- $\delta$ -[4-Nitrophenyl]heptan- $\gamma\epsilon$ -Dicarbonsäure. Sm. 170—171° (A. 303, 236).
- C<sub>19</sub>H<sub>23</sub>N<sub>2</sub>Cl** 1) Cinchotinchlorid. Sm. 85—87° (B. 27, 2291). — III, 858.
- C<sub>19</sub>H<sub>24</sub>ON<sub>2</sub>** C 76,9 — H 8,1 — O 5,4 — N 9,5 — M. G. 296.
- 1) s-Di[4-Propylphenyl]harnstoff. Sm. 205° (B. 17, 1224). — II, 549.
- 2) s-Di[2,4,5-Trimethylphenyl]harnstoff. Sm. 274° (subl. bei 280°) (B. 21, 528; 25, 1089; Bl. [3] 17, 732). — II, 552.
- 3) s-Di[2,4,6-Trimethylphenyl]harnstoff. Sm. oberh. 300° (B. 15, 1017). — II, 554.
- 4) s-Di[ $\beta$ -Trimethylphenyl]harnstoff. Sm. oberh. 290° (B. 18, 2233). — II, 556.
- 5)  $\alpha$ -Isobutyl- $\beta\beta$ -Dibenzylharnstoff. Sm. 108—109° (B. 25, 1821). — II, 526.
- 6)  $\alpha$ -Isobutyl- $\beta$ -Benzyl- $\beta$ -[4-Methylphenyl]harnstoff. Sm. 41° (B. 25, 1824). — II, 526.
- 7)  $\alpha$ -Isobutyl- $\beta\beta$ -[4-Methylphenyl]harnstoff. Sm. 118—119° (B. 25, 1822). — II, 495.
- 8) Cinchonamin. Sm. 185°. Salze meist bek. (A. 225, 218; A. ch. [6] 19, 23, 100; G. 22 [2] 637; B. 16, 62; Bl. [3] 19, 39). — III, 928.
- 9) Cinchotin. Sm. 277,3° (268°) Salze meist bek. (A. Spt. 7, 249; A. 166, 256; 197, 362; 260, 220; 300, 42, 337; B. 14, 436, 1266; 15, 519; 27, 2290; 28, 1076; M. 16, 68; 18, 414). — III, 858.
- 10) Dihydrocinchonin. Sm. 265°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (J. pr. [2] 8, 294; B. 11, 314; 15, 855; M. 16, 326). — III, 836.
- 11) isom. Hydrocinchonin. Sm. 256°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (B. 15, 855). — III, 858.
- 12) Hydrocinchonidin (Cinchamidin). Sm. 229—230°. Salze meist bek. (B. 14, 1270, 1683, 1893; 15, 520; A. 214, 1). — III, 857.
- 13) amorphes Hydrocinchonidin. Sm. unter 100°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), Oxalat (A. 214, 13). — III, 858.
- 14) Pereirin. Sm. 124° u. Zers. (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O) (A. 202, 147). — III, 923.
- C<sub>19</sub>H<sub>24</sub>ON<sub>4</sub>** C 70,4 — H 7,4 — O 4,9 — N 17,3 — M. G. 324.
- 1) Benzaldehydphenylhydrazin. Sm. 154° (Bl. [3] 15, 845). — IV, 748.
- 2) 4'-Diäthylamido-5-Acetylamido-2-Methylazobenzol. Sm. 159° (A. 234, 359). — IV, 1384.
- C<sub>19</sub>H<sub>24</sub>O<sub>5</sub>N<sub>2</sub>** C 73,1 — H 7,7 — O 10,2 — N 9,0 — M. G. 312.
- 1) Diäthyläther d. 1,3-Di[4-Oxyphenyl]tetrahydroimidazol. Sm. 214° (B. 31, 3256).
- 2) Chinamin. Sm. 172°. HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 6H<sub>2</sub>O), HClO<sub>4</sub>, HBr + H<sub>2</sub>O, HJ, HNO<sub>3</sub>, Oxalat (A. 166, 266; 182, 163; 197, 48; 199, 333; 207, 288; 209, 42; B. 10, 2157; J. 1874, 874). — III, 856.
- 3) Chinamicin. Sm. 109°. (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O) (A. 207, 303). — III, 857.
- 4) Chinamidin. Sm. 93°. HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 6H<sub>2</sub>O), HBr + H<sub>2</sub>O, Oxalat + 4H<sub>2</sub>O (A. 207, 293, 299). — III, 856.
- 5) Conchinamin. Sm. 123° (121°). Salze meist bek. (A. 207, 289; 209, 38, 62). — III, 859.
- 6) Hydrocuprein + 2H<sub>2</sub>O. Sm. 168—170°. 2HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), 2HJ, H<sub>2</sub>SO<sub>4</sub>, Tartrat + 2H<sub>2</sub>O (A. 241, 280; M. 12, 431; 16, 73). — III, 861.

- $C_{19}H_{24}O_3N_2$  7) Geissospermin +  $H_2O$ . Sm. bei  $160^\circ$ . (2HCl, PtCl<sub>4</sub>) (A. 202, 143). — III, 923.  
 8) Nicchin + 2H<sub>2</sub>O. Sm. bei  $102^\circ$  (130—132°; 146° wasserfrei). 2HCl, (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O), HJ, 2H<sub>2</sub>, H<sub>2</sub>SO<sub>4</sub> + 3 $\frac{1}{2}$ H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + 10H<sub>2</sub>O, Bioxalat (M. 14, 431, 556). — III, 820.  
 9) Isonichin. Sm. 208—209°. (2HCl, PtCl<sub>4</sub>) (M. 14, 441). — III, 821.  
 10) Methylester d. Di[4-Dimethylamidophenyl]essigsäure. Sm.  $68^\circ$  (C. 1895 [1] 201).
- $C_{19}H_{24}O_2N_4$  C 67,0 — H 7,1 — O 9,4 — N 16,5 — M. G. 340.  
 1) Orcin + 2Molec. Phenylhydrazin. Sm. 61—62° (B. 24 [2] 904). — IV, 654.  
 2) Aethylester d.  $\gamma$ -Phenylhydrazen- $\beta$ -Phenylhydrazidovaleriansäure. Sm.  $205^\circ$  u. Zers. (B. 21, 2494). — IV, 741.
- $C_{19}H_{24}O_3N_2$  C 69,5 — H 7,3 — O 14,6 — N 8,5 — M. G. 328.  
 1) Methylester d. Phenylhydrazoncamphoroxalsäure. Sm.  $204$ — $205^\circ$  (Am. 20, 336).  
 2) Aethylester d. Phenylazocamphocarbonsäure. Sm.  $65,5^\circ$  (B. 25 [2] 726). — IV, 1468.
- $C_{19}H_{24}O_4N_2$  C 66,3 — H 7,0 — O 18,6 — N 8,1 — M. G. 344.  
 1) Diäthylester d. 2,5-Dimethyl-1-[m-Amidotolyl]pyrazol-3,4-Dicarbonsäure. Sm.  $134^\circ$  (A. 236, 311). — IV, 549.  
 2) Diäthylester d. 1-Methylphenylamido-2,5-Dimethylpyrazol-3,4-Dicarbonsäure. Fl. (A. 236, 309). — IV, 549.
- $C_{19}H_{24}O_4N_4$  C 61,3 — H 6,5 — O 17,2 — N 15,0 — M. G. 372.  
 1) Di[Phenylhydrazen] d. Rhamnose. Sm.  $200^\circ$  u. Zers. (B. 23, 3105). — IV, 792.  
 2) Di[Phenylhydrazid] d.  $\beta\delta$ -Dioxypentan- $\beta\delta$ -Dicarbonsäure. Sm.  $176,5^\circ$  (B. 25, 3244). — IV, 721.  
 3) isom. Di[Phenylhydrazid] d.  $\beta\delta$ -Dioxypentan- $\beta\delta$ -Dicarbonsäure. Sm.  $186^\circ$  (B. 25, 3246). — IV, 722.
- $C_{19}H_{24}O_4N_6$  C 57,0 — H 6,0 — O 16,0 — N 21,0 — M. G. 400.  
 1) Verbindung (aus Aceton, Benzaldehyd u. Harnstoff). Sm.  $186$ — $187^\circ$  (G. 23 [1] 404). — III, 38.
- $C_{19}H_{24}O_4S_2$  1) Arabinoxybenzylmerkapton. Sm.  $144^\circ$  (B. 29, 552).  
 $C_{19}H_{24}O_4N_2$  C 63,3 — H 6,7 — O 22,2 — N 7,8 — M. G. 360.  
 $C_{19}H_{24}O_5N_4$  1) m-Acetylamido-d-Cocain. Sm. 44—45°. HCl (B. 27, 1882). — III, 868.  
 $C_{19}H_{24}O_5N_4$  1) Di[Phenylhydrazen] d.  $\alpha$ -Galaheptose. Sm.  $218^\circ$  ( $224^\circ$  cor.) u. Zers. (A. 288, 146). — IV, 794.  
 2) Di[Phenylhydrazen] d. Glykoheptose. Sm.  $195^\circ$  u. Zers. (A. 270, 77, 88). — IV, 792.  
 3) Di[Phenylhydrazen] d. d-Mannoheptose. Sm.  $200^\circ$  u. Zers. (B. 23, 2231). — IV, 793.  
 4) Di[Phenylhydrazen] d. L-Mannoheptose. Sm. bei  $203^\circ$  u. Zers. (A. 272, 187). — IV, 793.  
 5) Di[Phenylhydrazen] d. L-Mannoheptose. Sm. bei  $210^\circ$  u. Zers. (A. 272, 188). — IV, 793.  
 6) Di[Phenylhydrazen] d. Volemit. Sm.  $196^\circ$  u. Zers. (B. 28, 1974). — IV, 794.
- $C_{19}H_{24}O_5N_6$  C 54,8 — H 5,8 — O 19,2 — N 20,2 — M. G. 416.  
 1) Dianisotriureid (A. 151, 199). — III, 86.
- $C_{19}H_{24}O_5N_2$  C 58,2 — H 6,1 — O 28,6 — N 7,1 — M. G. 392.  
 1) Verbindung (aus Kakothelin). (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O), Ag (B. 20, 456). — III, 948.
- $C_{19}H_{24}O_7N_4$  C 54,3 — H 5,7 — O 26,7 — N 13,3 — M. G. 420.  
 1) Phenylhydrazid d.  $\alpha$ -Pentaoxypimelinsäurelakton. Sm.  $200^\circ$  u. Zers. (A. 270, 91). — IV, 732.  
 2) Phenylhydrazid d. isom. Pentaoxypimelinsäure. Sm.  $225^\circ$  u. Zers. (A. 272, 197). — IV, 732.
- $C_{19}H_{24}O_5N_8$  C 55,9 — H 5,9 — O 31,4 — N 6,8 — M. G. 408.  
 1) Diäthylester d.  $\zeta$ -Oximido- $\beta$ -Keto- $\delta$ -[3-Nitrophenyl]heptan- $\gamma\epsilon$ -Dicarbonsäure. Sm.  $201^\circ$  (A. 303, 233).  
 2) Diäthylester d.  $\zeta$ -Oximido- $\beta$ -Keto- $\delta$ -[4-Nitrophenyl]heptan- $\gamma\epsilon$ -Dicarbonsäure. Sm.  $208^\circ$  u. Zers. (A. 303, 237).

- C<sub>19</sub>H<sub>24</sub>N<sub>8</sub>S**
- 1) **s-Di[4-Propylphenyl]thioharnstoff.** Sm. 138° (B. 17, 1222). — II, 549.
  - 2)  **$\alpha\beta$ -Dipropyl- $\alpha\beta$ -Diphenylthioharnstoff.** Sm. 103,5° (B. 21, 103). — II, 397.
  - 3) **s-Di[2,4,6-Trimethylphenyl]thioharnstoff.** Sm. 196° (B. 15, 1013). — II, 555.
  - 4) **s-Di[ $\beta$ -Trimethylphenyl]thioharnstoff.** Sm. 146° (B. 18, 2233). — II, 556.
  - 5) **s-Di[2,4-Dimethylbenzyl]thioharnstoff.** Sm. 176—177° (B. 22, 123). — II, 553.
  - 6) **s-Di[3,5-Dimethylbenzyl]thioharnstoff.** Sm. 165° (B. 25, 3014). — II, 555.
  - 7) **s-P-Aethylphenyl-4-Isobutylphenylthioharnstoff.** Sm. 140° (B. 16, 2023). — II, 558.
  - 8) **Di[Hexahydrochinolinyl]thioharnstoff.** Sm. 129° (B. 27, 1479). — IV, 139.
- C<sub>19</sub>H<sub>24</sub>N<sub>8</sub>S**
- C<sub>19</sub>H<sub>25</sub>ON<sub>3</sub>**
- 1) **Methylenfölauramin.** Sm. 203—203,5° (J. pr. [2] 50, 442). — IV, 1175. C 73,3 — H 8,0 — O 5,1 — N 13,5 — M. G. 311.
  - 1)  **$\beta$ -Isopropylphenylamido- $\alpha$ -2,4,5-Trimethylphenylharnstoff.** Sm. 155°. — IV, 674.
  - 2)  **$\beta$ -[2,4,5-Trimethylphenyl]amido- $\alpha$ -2,4,5-Trimethylharnstoff.** Sm. 240°. — IV, 813.
- C<sub>19</sub>H<sub>25</sub>O<sub>2</sub>N**
- 1) **Protocurarin (C. 1897 [2] 1080).** C 69,7 — H 7,8 — O 9,8 — N 12,8 — M. G. 327.
- C<sub>19</sub>H<sub>25</sub>O<sub>2</sub>N<sub>3</sub>**
- 1) **Nitrostetrahydrocinchonin. HNO<sub>2</sub>** (Sm. 200° u. Zers.) (B. 28, 1639). — III, 836.
  - 2) **Nitrostetrahydrocinchonidin. HNO<sub>3</sub>** (B. 29, 802). — III, 853.
- C<sub>19</sub>H<sub>25</sub>O<sub>2</sub>N<sub>5</sub>**
- 1) **Verbindung (aus d. Acetylcyanessigsäureäthylester u. Phenylhydrazin).** Sm. 86° (C. 1895 [2] 83).
- C<sub>19</sub>H<sub>25</sub>O<sub>2</sub>Br**
- 1) **Brompodocarpinäthyläthersäure.** Sm. 158°. + C<sub>2</sub>H<sub>6</sub>O (A. 170, 237). — II, 1685.
- C<sub>19</sub>H<sub>25</sub>O<sub>2</sub>P**
- 1) **Di[2,4,5-Trimethylphenylester] d. Methylphosphinsäure.** Sm. 79 bis 90° (?) (B. 31, 1053). C 68,9 — H 7,6 — O 19,3 — N 4,2 — M. G. 331.
- C<sub>19</sub>H<sub>25</sub>O<sub>2</sub>N**
- 1) **Corytuberin.** Zers. bei 200°. HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> (Soc. 63, 485). — III, 877.
  - 2) **Propylester d. Benzoylecgonin.** Sm. 78 — 79,5° (Am. 10, 147). — III, 867.
  - 3) **Propylester d. d-Benzoylecgonin.** HCl + H<sub>2</sub>O (B. 23, 987). — III, 867. C 60,8 — H 6,7 — O 21,3 — N 11,2 — M. G. 375.
- C<sub>19</sub>H<sub>25</sub>O<sub>2</sub>N<sub>3</sub>**
- 1) **Jaborinäsure. Ag, Ag + AgNO<sub>3</sub>, + PtCl<sub>4</sub>, + 2AuCl<sub>3</sub>, (2HCl, PtCl<sub>4</sub>) (Bl. 46, 479; 48, 225). — III, 925.**
- C<sub>19</sub>H<sub>25</sub>O<sub>2</sub>N<sub>5</sub>**
- 1) **Phenylhydrazid d. Phenylamidogalaktosecarbonsäure.** Sm. 203° (B. 27, 1290). — IV, 726.
  - 2) **Phenylhydrazid d. Phenylamidoglykosecarbonsäure.** Sm. 210° (B. 27, 1290). — IV, 726.
- C<sub>19</sub>H<sub>25</sub>N<sub>2</sub>Br**
- 1) **4-Bromphenylhydrazon d.  $\alpha$ -Jonon.** Sm. 142—143° (B. 28, 1755; 31, 852, 877; J. pr. [2] 57, 494). — IV, 770.
  - 2) **4-Bromphenylhydrazon d.  $\beta$ -Jonon.** Sm. 115—116° (B. 31, 872).
  - 3) **4-Bromphenylhydrazon d. Pseudojonon.** Sm. 102—104° (B. 31, 846).
  - 4) **4-Bromphenylhydrazon d. Iron.** Sm. 168—170° (B. 28, 1757). — IV, 770.
  - 5) **Verbindung (aus  $\alpha$ -Jonon-4-Bromphenylhydrazon).** Sm. 165° (B. 28, 1756). — IV, 770.
- C<sub>19</sub>H<sub>25</sub>N<sub>2</sub>J**
- 1)  **$\alpha$ -Jod- $\alpha$ -Di[Phenylamido]heptan (A. ch. [6] 16, 172). — II, 445.**
  - 2) **Jodmethylat d. 1,4-Dibenzylhexahydro-1,4-Diazin (J. d. Dibenzyl-piperazin).** Sm. 217° (C. 1898 [1] 381, 727).
  - 3) **Jodmethylat d. Diäthyleni[4-Methylphenyl]diamin (A. 173, 141).** — II, 487.
- C<sub>19</sub>H<sub>26</sub>ON<sub>2</sub>**
- 1) **Tetrahydrocinchonin. Fl.** (B. 28, 1425, 1638). — III, 836.
  - 2) **Tetrahydrocinchonidin. Fl.** (B. 29, 802). — III, 853.
  - 3) **Curarin (siehe auch C<sub>19</sub>H<sub>25</sub>N) (C. 1897 [2] 1078).**

- $C_{19}H_{26}O_2Cl_2$  1) Dichlorabietinsäure. Sm. 124° (J. 1861, 391). — II, 1436.  
 $C_{19}H_{26}O_2N_4$  C 48,5 — H 5,5 — O 34,0 — N 11,9 — M. G. 470.  
 $C_{19}H_{26}O_{12}N_2$  1) Verbindung (aus Glykoseamidoguanidin) +  $H_2O$  (B. 27, 973).  
C 48,1 — H 5,5 — O 40,5 — N 5,9 — M. G. 474.  
1) Maltose-2,3-Diamidobenzol-1-Carbonsäure. Ba (B. 20, 2212). — II, 1274.  
2) Verbindung (aus Glykuronsäure u. 3,4-Diamido-1-Methylbenzol). K (Zera. bei 130°) (H. 13, 278). — IV, 616.
- $C_{19}H_{26}N_2S_2$  1)  $\gamma$ -Phenylpropylamidotioharnstoff.  $\gamma$ -Phenylpropylamin. Sm. 90° (B. 27, 2311).
- $C_{19}H_{26}N_4S$  1)  $\alpha$ -Di[4-Aethylamido-3-Methylphenyl]thioharnstoff. Sm. 163° (A. 286, 165). — IV, 609.
- $C_{19}H_{27}O_2Br$  1) Bromabietinsäure. Sm. 134° (B. 12, 1443). — II, 1436.
- $C_{19}H_{27}O_2N$  C 71,9 — H 8,5 — O 15,1 — N 4,4 — M. G. 317.  
1) Aethylatropin. (2HCl, PtCl<sub>4</sub>, HJ) (A. 138, 239). — III, 784.  
 $C_{19}H_{27}O_4N$  C 68,5 — H 8,1 — O 19,2 — N 4,2 — M. G. 333.  
1) Piperidinujakol (Guajaperol). Sm. 79,8° (C. 1898 [1] 857; 1898 [2] 836; Soc. 73, 141, 145).  
2) Methylester d. 4-Benzoxo-1, 2, 3, 6, 8-Pentamethylhexahydro-pyridin-4-Carbonsäure. HCl (C. 1898 [1] 1131).  
3) Diäthylester d.  $\alpha$ -(1-Piperidyl)- $\alpha$ -Phenyläthan- $\beta\beta$ -Dicarbonsäure. Sm. 58—59°. HCl (B. 28, 814). — IV, 21.  
 $C_{19}H_{27}O_5N$  C 65,3 — H 7,7 — O 22,9 — N 4,0 — M. G. 349.  
1) Aethylester d. Sebacinsäuremonophenylamid-3-Carbonsäure. Sm. 146°. Ba + 2H<sub>2</sub>O (G. 15, 551). — II, 1266.
- $C_{19}H_{27}N_2S$  1) Jodmethylat d.  $\alpha\beta$ -Di[4-Dimethylamidophenyl]äthan (B. 20, 912). — IV, 978.  
2) Jodmethylat d.  $\alpha\beta$ -Di[Methyl-4-Methylphenylamido]äthan. Zera. bei 100° (A. 224, 342). — II, 487.
- $C_{19}H_{28}N_2Cl_2$  1) Dichlormethylat d. Di[4-Dimethylamidophenyl]methan (B. 12, 1170). — IV, 975.
- $C_{19}H_{28}N_2J_2$  1) Dijodmethylat d. Di[4-Dimethylamidophenyl]methan. Sm. 214° u. Zera. (B. 12, 1170). — IV, 974.
- $C_{19}H_{28}N_2S_2$  1) Verbindung (aus Schwefelkohlenstoff u. Trimethylenphenyldiamin). Zera. bei 105° (116°) (G. 18, 692; B. 23, 1171).
- $C_{19}H_{29}O_4N$  C 68,1 — H 8,6 — O 19,1 — N 4,2 — M. G. 335.  
1) Diäthylester d. 2,6-Dimethyl-4-Hexylpyridin-3,5-Dicarbonsäure. Fl. (2HCl, PtCl<sub>4</sub>) (A. 246, 39). — IV, 171.
- $C_{19}H_{29}N_2S$  1) Phenylthioharnstoff d. Bas.  $C_{19}H_{24}N_2$  (aus Nitroso- $\alpha$ -Piperolin). Sm. 116° (B. 31, 2278).
- $C_{19}H_{29}O_1N_2$  C 51,1 — H 6,7 — O 35,9 — N 6,3 — M. G. 446.  
1) Glykose-3,4-Diamido-1-Methylbenzol. Sm. 160° u. Zera. (B. 20, 495). — IV, 621.
- $C_{19}H_{29}O_1N_5$  1) Lanugininsäure. Ba, Pb (J. 1871, 857; B. 22, 1120). — II, 2110.  
 $C_{19}H_{31}O_4N$  C 67,6 — H 9,2 — O 19,0 — N 4,1 — M. G. 337.  
1) Diäthylester d. Hexylidihydrolutidindicarbonsäure. Sm. 54° (A. 246, 38). — IV, 96.
- $C_{19}H_{31}O_5N$  C 64,5 — H 8,8 — O 22,7 — N 4,0 — M. G. 353.  
1) Diäthylester d. 1-Oximido-3-Hexyl-5-Methyl-1,2,3,4-Tetrahydro-benzol-2,4-Dicarbonsäure. Sm. 116—118° (A. 288, 342).
- $C_{19}H_{32}O_2S_3$  1) Diamyläther d.  $\alpha$ -Phenylsulfon- $\beta\gamma$ -Dimerkapto-propan. Fl. (J. pr. [2] 56, 453).
- $C_{19}H_{32}O_6S_3$  1)  $\beta\gamma$ -Diamylsulfon- $\alpha$ -Phenylsulfonpropan. Sm. 120° (J. pr. [2] 56, 454).
- $C_{19}H_{34}N_2S_2$  1) Di[Jodmethylat] d. 2-Diäthylamidomethyl-1-Piperidylmethylbenzol. Sm. 216° (B. 31, 428).  
C 73,8 — H 11,3 — O 10,4 — N 4,5 — M. G. 309.  
1)  $\alpha$ -Cyanstearinsäure. Sm. 83,5° (B. 24, 2778). — I, 1221.
- $C_{19}H_{34}ON_2$  C 74,0 — H 11,7 — O 5,2 — N 9,1 — M. G. 308.  
1)  $\alpha$ -Dicamphelylharnstoff. Sd. 220—221° (G. 22 [1] 220). — I, 1301.
- $C_{19}H_{36}O_2N_4$  C 64,8 — H 10,2 — O 9,1 — N 15,9 — M. G. 352.  
1)  $\beta$ -Nitro- $\alpha$ -Dipiperidyl- $\beta$ -Piperidylmethylpropan. Sm. 86—87° (Bl. [3] 15, 1226).
- $C_{19}H_{36}O_2Cl_2$  1) Methylester d. Dichlorstearinsäure (B. 23, 2531). — I, 476.
- $C_{19}H_{36}N_2S$  1)  $\alpha$ -Dicamphelylharnstoff. Sm. 108—109° (G. 23 [2] 507).

- C<sub>19</sub>H<sub>27</sub>O<sub>3</sub>N** C 69,7 — H 11,3 — O 14,7 — N 4,3 — M. G. 327.  
 1) **Monamid d. Heptadekan- $\alpha\alpha$ -Dicarbonsäure** (*B. 24*, 2780). — **I, 1388.**
- C<sub>19</sub>H<sub>28</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Camphelylaminsalz d. Camphelylamidothioameisensäure**. Sm. 95 bis 96° (*G. 23* [2] 504).
- C<sub>19</sub>H<sub>29</sub>ON** C 76,8 — H 13,1 — O 5,4 — N 4,7 — M. G. 297.
- C<sub>19</sub>H<sub>28</sub>Cl<sub>2</sub>P<sub>3</sub>** 1) **Formylnäthyltriphosphoniumchlorid**. 6 + 3 PtCl<sub>4</sub> (*J. 1859*, 377; *1861*, 488). — **I, 1507.**
- C<sub>19</sub>H<sub>28</sub>JP<sub>2</sub>** 1) **Formylnäthyltriphosphoniumjodid** (*J. 1859*, 377). — **I, 1507.**

**C<sub>19</sub>-Gruppe mit vier Elementen.**

- C<sub>19</sub>H<sub>12</sub>O<sub>3</sub>Br<sub>8</sub>** 1) **Tetrabromsulfonfluorescein** (*Bl. [3]* 17, 823).
- C<sub>19</sub>H<sub>10</sub>ONBr<sub>3</sub>** 1) **P-Tribrom-9-Benzoylcarbazol**. Sm. 228—230° (*G. 25* [2] 397). — **IV, 393.**
- C<sub>19</sub>H<sub>10</sub>O<sub>4</sub>N<sub>2</sub>Br** 1) **Diäthylester d. P-Brom-P-Dinitro-P-Phenylamidophenylmethan-dicarbonsäure**. Sm. 127° (*Am. 12*, 299). — **II, 1842.**
- C<sub>19</sub>H<sub>10</sub>O<sub>5</sub>Br<sub>8</sub>** 1) **Dibromsulfonfluorescein + H<sub>2</sub>O** (*Am. 9*, 377; *17*, 548). — **III, 200.**
- C<sub>19</sub>H<sub>11</sub>ONBr<sub>2</sub>** 1) **P-Dibrom-9-Benzoylcarbazol**. Sm. 215—216° (*G. 25* [2] 395). — **IV, 393.**
- C<sub>19</sub>H<sub>11</sub>O<sub>5</sub>N<sub>2</sub>Cl** 1) **3-Chlor-6-Nitro-9-Benzoylcarbazol**. Sm. 257—258° (*G. 26* [1] 289). — **IV, 393.**
- C<sub>19</sub>H<sub>11</sub>O<sub>5</sub>N<sub>2</sub>Br** 1) **9-Benzoyl-P-Bromnitrocarbazol**. Sm. 267—268° (*G. 22* [2] 573). — **IV, 393.**
- C<sub>19</sub>H<sub>12</sub>ONBr** 1) **9-Benzoyl-P-Bromcarbazol**. Sm. 124—125° (*G. 22* [2] 570). — **IV, 392.**
- C<sub>19</sub>H<sub>12</sub>O<sub>5</sub>Br<sub>8</sub>** 1) **Dibromphenolsulfonphthalein** (*Am. 20*, 264).
- C<sub>19</sub>H<sub>12</sub>O<sub>6</sub>N<sub>3</sub>Cl** 1) **2,4,6-Tinitro-1-Chlorbenzol + Fluoren**. Sm. 69—70° (*B. 8*, 378).
- C<sub>19</sub>H<sub>13</sub>ONCl<sub>2</sub>** 1) **Di[P-Chlorphenyl]amid d. Benzolcarbonsäure**. Sm. 153° (*B. 14*, 2369; *15*, 1285). — **II, 1164.**
- C<sub>19</sub>H<sub>13</sub>ONBr<sub>2</sub>** 1) **Di[P-Bromphenyl]amid d. Benzolcarbonsäure**. Sm. 142° (*B. 15*, 830). — **II, 1164.**
- C<sub>19</sub>H<sub>13</sub>ONS** 1) **Benzoylhiodidphenylamin**. Sm. 170,5° u. Zers. (*B. 18*, 1844). — **II, 1175.**
- C<sub>19</sub>H<sub>13</sub>ON<sub>2</sub>Cl<sub>2</sub>** 1) **Diazo-4-Rosanilinchlorid**. + 3 AuCl<sub>3</sub> (*A. 194*, 208). — **IV, 1552.**
- C<sub>19</sub>H<sub>13</sub>O<sub>2</sub>NBr<sub>2</sub>** 1) **Di[4-Bromphenyläther] d.  $\alpha\alpha$ -Dioxy- $\alpha$ -Phenylimidomethan**. Sm. 106° (*B. 28*, 978).
- C<sub>19</sub>H<sub>13</sub>O<sub>2</sub>NS** 1) **Phenylester d. Thiodiphenylamidoameisensäure**. Sm. 164° (*B. 24*, 2908). — **II, 806.**
- C<sub>19</sub>H<sub>13</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) 1 [oder 4]-Chlor-2-Oxybenzylphenazon. Sm. 234° (*A. 290*, 306). — **IV, 1004.**
- 2) **Acetyl methylchlornaphteurodon**. Sm. oberh. 220° (*Soe. 63*, 1386). — **IV, 1063.**
- 3) **Benzoot d. 2-Chlor-4'-Oxyazobenzol**. Sm. 131° (*B. 26*, 2977). — **IV, 1408.**
- 4) **Benzoot d. 3-Chlor-4'-Oxyazobenzol**. Sm. 118° (*B. 26*, 2977). — **IV, 1409.**
- 5) **Benzoot d. 4-Chlor-4'-Oxyazobenzol**. Sm. 154° (*B. 26*, 2978). — **IV, 1409.**
- C<sub>19</sub>H<sub>13</sub>O<sub>2</sub>N<sub>2</sub>Br** 1) **Benzoot d. 2-Brom-4'-Oxyazobenzol**. Sm. 122—123° (*B. 31*, 2115). — **IV, 1409.**
- 2) **Benzoot d. 3-Brom-4'-Oxyazobenzol**. Sm. 122° (*B. 28*, 803). — **IV, 1409.**
- 3) **Benzoot d. 4-Brom-4'-Oxyazobenzol**. Sm. 166° (*B. 31*, 2116). — **IV, 1410.**
- C<sub>19</sub>H<sub>13</sub>O<sub>3</sub>N<sub>2</sub>Br** 1) **4'-Brom-3-Nitro-4-Phenylamidodiphenylketon**. Sm. 180° (*B. 24*, 3773). — **III, 183.**
- C<sub>19</sub>H<sub>13</sub>O<sub>4</sub>N<sub>2</sub>Cl** 1)  **$\beta$ -Chlor- $\alpha\gamma$ -Di[1,2-Phtylamido]propan** ( $\beta$ -Chlortrimethylendiphtalimid). Sm. 208—209° (*B. 25*, 3056). — **II, 1807.**
- 2) **Verbindung** (aus Chloridoxybenzochinon u. Benzoyl-o-Phenyldiamin). Sm. 237° (*B. 28*, 357). — **IV, 585.**

- $C_{19}H_{12}O_5NS$  1) Resorcinaccharain. Sm. 265—267° (*Bl.* [3] 17, 695).
- $C_{19}H_{12}O_6NS_2$  1) 5-Phenylakridin-2-Sulfonsäure.  $Na_2$  (*A.* 234, 32). — IV, 468.
- $C_{19}H_{12}O_5NS$  1) Helicinleucindisulfat (*A.* 210, 126). — III, 68.
- $C_{19}H_{14}ON_3S$  1)  $\alpha$ -Phenyl- $\beta$ -Thiodiphenylharnstoff. Sm. 168—169° (*B.* 24, 2910). — II, 806.
- $C_{19}H_{14}ON_3Cl$  1) Phenylamid d. 4'-Chlorazobenzol-3-Carbonsäure. Sm. 198° (*A.* 263, 232). — IV, 1461.
- $C_{19}H_{14}ON_2NBr$  1) Phenyläther-4-Bromphenyläther d.  $\alpha\alpha$ -Dioxy- $\alpha$ -Phenylimidomethan. Sm. 83° (*B.* 28, 981).
- $C_{19}H_{14}O_2N_2S$  1) Verbindung (aus 2-Cyanbenzo-1-Sulfonsäurechlorid u. Anilin). Sm. 187 bis 189° (189,5°) (*B.* 26, 2292; *Am.* 18, 810). — II, 1297.
- $C_{19}H_{14}O_3N_2Cl$  1) 2-[4-Oxychlorphenylat] d. 4-[4-Nitrophenyl]-1-Phenyl-1,2,3,5-Tetrazol. Zers. bei 208—209° (*B.* 31, 477). — IV, 1232.
- $C_{19}H_{14}O_3N_2Br$  1)  $\alpha$ -Phenyl- $\beta$ -[3-Bromphenyl]azo- $\beta$ -[3-Nitrophenyl]harnstoff. Sm. 128° (*B.* 21, 2576). — IV, 1566.  
2)  $\alpha$ -Phenyl- $\beta$ -[4-Bromphenyl]azo- $\beta$ -[3-Nitrophenyl]harnstoff. Sm. 134° (*B.* 21, 2575). — IV, 1566.  
3)  $\alpha$ -Phenyl- $\beta$ -[4-Bromphenyl]azo- $\beta$ -[4-Nitrophenyl]harnstoff. Sm. 129° (*B.* 21, 2574). — IV, 1566.
- $C_{19}H_{14}ON_2NP$  1) Phenylimid d. Phenylphosphorsäure-2-Carbonsäurephenylester. Sm. 152° (*B.* 31, 2178).
- $C_{19}H_{14}ON_2S$  1) 3-Amidophenoisulfonphthalein (*Am.* 20, 268).  
2) 4-Amidophenoisulfonphthalein (*Am.* 20, 269).
- $C_{19}H_{14}ON_2N_2S$  1) Monobenzosäat d. 2,5-Dioxyazobenzol-4'-Sulfonsäure. Ba (*B.* 26, 1912). — IV, 1447.
- $C_{19}H_{14}ON_2N_2P$  1) P-Trinitrodiphenylbenzylphosphinoxid. Sm. 206° (*B.* 21, 1507). — IV, 1662.
- $C_{19}H_{15}ON_2Cl$  1) 4-Chlor-4'-(2-Oxybenzyliden)amidodiphenylamin. Sm. 170° (*A.* 303, 315).
- $C_{19}H_{15}ON_2Br$  1) 6-Brom-2-[2-Oxyphenyl]-1-Phenyl-2,3-Dihydrobenzimidazol. Sm. 155° (*A.* 303, 325).
- $C_{19}H_{15}ON_4Cl$  1) 2-Chlor-2-[4-Oxyphenyl]-1,4-Diphenyl-2,2-Dihydro-1,2,3,5-Tetrazol. Sm. 243—244° u. Zers. (*B.* 29, 1852). — IV, 1268.  
2)  $\alpha$ -Phenyl- $\beta$ -Phenylazo- $\beta$ -[4-Chlorphenyl]harnstoff. Sm. 126—127° (*B.* 30, 1408). — IV, 1561.
- $C_{19}H_{15}ON_4Br$  1)  $\alpha$ -Phenyl- $\beta$ -Phenylazo- $\beta$ -[4-Bromphenyl]harnstoff. Sm. 131° (*B.* 21, 2569; 30, 1405). — IV, 1562.
- $C_{19}H_{15}ON_4J$  1)  $\alpha$ -Phenyl- $\beta$ -Phenylazo- $\beta$ -[4-Jodphenyl]harnstoff. Sm. 132° (*B.* 30, 1409).
- $C_{19}H_{15}ON_2S$  1) 3,3-Diphenyl-2,3-Dihydro-1,2-Benzsulfonazol (Diphenylbenzylsulfon). Sm. 210°. K (*B.* 29, 2296).
- $C_{19}H_{15}ON_2N_2Br$  1) Acetat d. 4-Oxy-1-[2-Brom-4-Methylphenyl]azonaphthalin. Sm. 155° (*B.* 31, 1784). — IV, 1436.
- $C_{19}H_{15}ON_3NS$  1)  $\alpha$ -Oximido-4-Phenylsulfondiphenylmethan. Sm. 201° (*Am.* 20, 314).  
2) Phenylamid d. Diphenylketon-2-Sulfonsäure. Sm. 143—145° (*Am.* 20, 309).  
3) Phenylamid d. Diphenylsulfon-4-Carbonsäure. Sm. 202—203° (*Am.* 20, 309).  
4) Benzylophenylamid d. Benzolsulfonsäure. Sm. 114—115° (*Am.* 19, 763).
- $C_{19}H_{15}ON_3N_2Cl$  1) 7-Chlormethylat d. 9-Nitro-5-Acetylamoido- $\alpha\beta$ -Naphthophenasin (*B.* 31, 3093).
- $C_{19}H_{15}ON_2ClS$  1)  $\alpha$ -Chlortriphenylsulfonmethan. Sm. 260° (*B.* 25, 350). — II, 784.
- $C_{19}H_{15}ON_2BrS$  1)  $\alpha$ -Bromtriphenylsulfonmethan. Sm. 255° u. Zers. (*B.* 25, 351). — II, 784.
- $C_{19}H_{15}ON_2NBr_2$  1) Phenylamid d. 2,6-Dibrom-3,4,5-Triacetoxylbenzol-1-Carbonsäure (*Bl.* [3] 11, 325). — II, 1924.
- $C_{19}H_{15}ON_2NBr_2I$  Oxim d. Dibromoichenrindegerbsäure (*A.* 240, 336). — III, 588.
- $C_{19}H_{15}ON_2S$  1) Verbindung (aus 4-Thionylamido-1-Methylbenzol) (*A.* 274, 228). — II, 489.
- $C_{19}H_{16}ON_3Cl$  1) 7-Chlormethylat d. 10-Acetylamoido- $\alpha\beta$ -Naphthophenasin. 2+PtCl<sub>4</sub> (*B.* 31, 3097).
- $C_{19}H_{16}ON_2N_2S$  1)  $\alpha$ -Phenylsulfonimido- $\alpha$ -Phenylamido- $\alpha$ -Phenylmethan. Sm. 138 bis 139° (*A.* 214, 214; *B.* 11, 754). — IV, 847.

- C<sub>18</sub>H<sub>16</sub>O<sub>5</sub>N<sub>2</sub>Br** 1) Verbindung (aus d.  $\alpha$ -Cyan- $\beta$ -[4-Oxyphenyl]akrylsäureäthylester) = (C<sub>18</sub>H<sub>16</sub>O<sub>5</sub>N<sub>2</sub>Br)<sub>n</sub>? Sm. 183° (J. pr. [2] 54, 537).
- C<sub>18</sub>H<sub>16</sub>O<sub>5</sub>N<sub>2</sub>S** 1)  $\beta$ -Benzyliden- $\alpha$ -Diphenylhydrazin- $\beta$ -Sulfonsäure. Na (B. 24, 792). — IV, 754.
- 2)  $\alpha$ -Di[Phenylamid] d. Benzol-1-Carbonsäure-2-Sulfonsäure. Sm. 196° (Am. 17, 316, 339; 18, 809; B. 31, 1658).
- 3) uns-Di[Phenylamid] d. Benzol-1-Carbonsäure-2-Sulfonsäure. Sm. 270° u. Zers. (270—280° u. Zers.) + C<sub>2</sub>H<sub>6</sub>O (Am. 17, 317, 341; 18, 809; B. 31, 1658).
- 4) Di[Phenylamid] d. Benzol-1-Carbonsäure-3-Sulfonsäure (A. 102, 258). — II, 1300.
- 5) Di[Phenylamid] d. Phenylsulfon-2-Amidobenzol-1-Carbonsäure. Sm. 144—144,5° (J. pr. [2] 44, 428). — II, 1253.
- 6) Verbindung (aus 2,3'-Bichinolyl) (B. 18, 333). — IV, 1067.
- C<sub>18</sub>H<sub>16</sub>O<sub>5</sub>N<sub>2</sub>S** 1) 6-Amido-2,3-Diphenyl-2,3-Dihydro-1,2,4-Benstriazin-2'-Sulfonsäure (B. 30, 2600). — IV, 1287.
- 2) 6-Amido-2,3-Diphenyl-2,3-Dihydro-1,2,4-Benstriazin-2'-Sulfonsäure (B. 30, 2600). — IV, 1287.
- 3) 6-Amido-2,3-Diphenyl-2,3-Dihydro-1,2,4-Benstriazin-2'-Sulfonsäure (B. 30, 2599). — IV, 1287.
- C<sub>18</sub>H<sub>16</sub>O<sub>4</sub>N<sub>2</sub>S** 1) Phenyl-2-Nitrobenzylamid d. Benzolsulfonsäure. Sm. 143° (J. pr. [2] 51, 263).
- C<sub>19</sub>H<sub>16</sub>O<sub>4</sub>N<sub>2</sub>S<sub>2</sub>** 1) 1,3-Di[Phenylsulfon]-2,3-Dihydrobenzimidazol (Dibenzolsulfon-methylen-o-Phenyldiamin). Sm. 147—148° (A. 287, 224). — IV, 561.
- C<sub>19</sub>H<sub>16</sub>O<sub>4</sub>N<sub>2</sub>S** 1) 4-Oxy-3-Phenylhydrazonmethylazobenzol-4'-Sulfonsäure. Na (A. 251, 178). — IV, 1476.
- C<sub>19</sub>H<sub>16</sub>O<sub>4</sub>N<sub>2</sub>S** 1)  $\alpha$ -Thioharnstoff d. 2-Keto-5-Methyl-3-[4-Amidophenyl]-2,3-Dihydro-1,3,4-Oxadiazol. Sm. 208° (B. 26, 1319). — IV, 1127.
- C<sub>19</sub>H<sub>17</sub>ONBr<sub>2</sub>** 1) 3,6-Dibrom-4-Oxy-2,5-Dimethylbenzyl-2-Naphtylamin. Sm. 181 bis 182° (B. 29, 1120).
- C<sub>19</sub>H<sub>17</sub>ON<sub>3</sub>Cl<sub>2</sub>** 1) 2,2'-Dichlor-4,4'-Triamidotriphenyl-Oxymethan (B. 19, 1989). — II, 1087.
- C<sub>19</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Phenylbenzylamid d. Benzolsulfonsäure. Sm. 119° (A. 273, 14). — II, 531.
- C<sub>19</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Phenylsazotetrahydro- $\alpha$ -Naphtochinolinsulfonsäure (B. 24, 2478). — IV, 1487.
- C<sub>19</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Furfuramidallylsenföl. Sm. 118° (B. 10, 1191). — III, 724.
- C<sub>19</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub>** 1) Benzylimid d. Benzolsulfonsäure. Sm. 130° (C. 1897 [2] 848).
- C<sub>19</sub>H<sub>17</sub>O<sub>5</sub>N<sub>2</sub>S<sub>2</sub>** 1)  $\alpha$ -Phenylsulfon- $\gamma$ -[2-Naphthyl]sulfon- $\beta$ -Oximidopropan. Sm. 167° (J. pr. [2] 55, 412).
- C<sub>19</sub>H<sub>17</sub>O<sub>6</sub>N<sub>2</sub>S** 1) Verbindung (aus 2,5,6-Trioxypyrenen-1,3-Disulfid u. o-Toluidin) (Bl. [3] 15, 418).
- C<sub>19</sub>H<sub>17</sub>O<sub>6</sub>N<sub>2</sub>S** 1) 2-Oxy-1-[3-Nitro-2,4,5-Trimethylphenylazo]naphtalin-1'-Sulfonsäure + 2H<sub>2</sub>O. Ca (B. 20, 2007). — IV, 1438.
- C<sub>19</sub>H<sub>17</sub>ON<sub>2</sub>Br** 1) Bromacocinchin. Sm. 186—188° (B. 20, 2678). — III, 838.
- C<sub>19</sub>H<sub>18</sub>ON<sub>2</sub>Cl<sub>6</sub>** 1) Hexachlorhydrococcinon + 1/2H<sub>2</sub>O (J. pr. [2] 8, 302). — III, 836.
- C<sub>19</sub>H<sub>18</sub>OJP** 1) Jodmethylylat d. Diphenylphenoxyphosphin. Sm. 134—136° u. Zers. (B. 18, 2116). — IV, 1657.
- C<sub>19</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>J** 1) Jodmethylylat d. 2-Methylchinolin-3-Carbonsäurebenzylester. Sm. 172° u. Zers. (A. 282, 125). — IV, 353.
- C<sub>19</sub>H<sub>18</sub>O<sub>2</sub>NP** 1) Phenylmonamid d. 4-Methylphenylphosphinsäuremonophenylester. Sm. 50°. Sd. 283° (A. 293, 268). — IV, 1669.
- C<sub>19</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>S** 1)  $\alpha$ -[2-Naphthyl]sulfon- $\beta$ -Phenylhydrazonpropan. Sm. 147° (J. pr. [2] 55, 401). — IV, 768.
- 2) Phenyl-2-Amidobenzylamid d. Benzolsulfonsäure. Sm. 139—140° (J. pr. [2] 51, 263). — IV, 627.
- C<sub>19</sub>H<sub>18</sub>O<sub>2</sub>NP** 1) 2-Methylphenylamid d. Phosphorsäurediphenylester. Sm. 176° (B. 27, 2578).
- 2) 4-Methylphenylamid d. Phosphorsäurediphenylester. Sm. 134° (B. 27, 2576).
- C<sub>19</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Benzoldisazo-2,4-Toluylendiamin-4'-Sulfonsäure (B. 16, 2036). — IV, 1385.
- C<sub>19</sub>H<sub>18</sub>O<sub>2</sub>JP** 1) Jodmethylylat d. Phosphorigsäuretripheneylester. Sm. 70—75° (B. 31, 1049).

- C<sub>19</sub>H<sub>15</sub>O<sub>4</sub>NBr** 1) Verbindung (aus Hydroberberindibromid). Sm. 153—154°. + AgNO<sub>3</sub>. — III, 801.
- C<sub>19</sub>H<sub>15</sub>O<sub>4</sub>N<sub>2</sub>S** 1) 3,4-Di[Phenylsulfonamido]-1-Methylbenzol. Sm. 178—179° (A. 285, 190). — IV, 617.
- 2) Di[Phenylamid] d. 1-Methylbenzol-2,4-Disulfonsäure. Sm. 187° (Soc. 73, 754).
  - 3) Di[Phenylamid] d. 1-Methylbenzol-2,5-Disulfonsäure. Sm. 178° (Soc. 73, 744, 758).
  - 4) Di[Phenylamid] d. 1-Methylbenzol-2,6-Disulfonsäure. Sm. 162° (Soc. 73, 772).
  - 5) Di[Phenylamid] d. 1-Methylbenzol-3,4-Disulfonsäure. Sm. 190° (Soc. 73, 746, 752).
  - 6) Di[Phenylamid] d. 1-Methylbenzol-3,5-Disulfonsäure. Sm. 153° (Soc. 73, 749).
- C<sub>19</sub>H<sub>18</sub>O<sub>7</sub>N<sub>2</sub>S** 1) Benzaldehyd-2-Nitrophenylthionaminsaures-2-Nitro-1-Amidobenzol. Sm. 88° (A. 274, 226). — III, 7.
- 2) Benzaldehyd-3-Nitrophenylthionaminsaures-3-Nitro-1-Amidobenzol. Sm. 90—91° (A. 274, 224). — III, 7.
  - 3) Benzaldehyd-4-Nitrophenylthionaminsaures-4-Nitro-1-Amidobenzol. Sm. 95—96° (A. 274, 225). — III, 7.
- C<sub>19</sub>H<sub>19</sub>O<sub>7</sub>N<sub>2</sub>P** 1) Di[Phenylamid] d. 2-Methylphenylphosphinsäure. Sm. 234° (A. 293, 295). — IV, 1668.
- 2) Di[Phenylamid] d. 4-Methylphenylphosphinsäure. Sm. 209° (A. 293, 267). — IV, 1669.
- C<sub>19</sub>H<sub>19</sub>O<sub>4</sub>N<sub>2</sub>P** 1) Monophenylhydrazid d. 4-Methylphenylphosphinsäuremono-phenylester. Sm. 173—174° (A. 293, 263). — IV, 1669.
- C<sub>19</sub>H<sub>19</sub>O<sub>4</sub>N<sub>2</sub>NS** 1) Verbindung (aus d. Benzylxanmid d. Benzolsulfosäure u. Benzol). Sm. 92—93° (B. 29, 1566).
- C<sub>19</sub>H<sub>20</sub>ON<sub>2</sub>Cl<sub>2</sub>** 1) Dichlorcinchonin. Sm. 220—230°. 2HCl, (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O), 2HBr (J. 1847/48, 618; B. 12, 423; 25, 1543). — III, 835.
- C<sub>19</sub>H<sub>20</sub>ON<sub>2</sub>Br** 1) Dibromcinchonidin. 2HBr (A. 172, 103). — III, 832.
- 2) Dehydrocinchonindibromid. Sm. 172—173°. HBr (B. 25, 1544). — III, 839.
- C<sub>19</sub>H<sub>20</sub>ON<sub>2</sub>S** 1) 5-Aethyläther d. 2-Merkapto-5-Oxy-3-Phenyl-6,7,8,9-Tetrahydro-a-Naphthimidazol. Sm. 269—270° (B. 31, 903).
- C<sub>19</sub>H<sub>20</sub>ON<sub>2</sub>P** 1) Di[Phenylamid]-2-Methylphenylamid d. Phosphorsäure. Sm. 175° (B. 27, 2579).
- 2) Di[Phenylamid]-4-Methylphenylamid d. Phosphorsäure. Sm. 168° (B. 27, 2577).
- C<sub>19</sub>H<sub>20</sub>O<sub>4</sub>NBr** 1) Bromthebain (B. 17, 528). — III, 910.
- C<sub>19</sub>H<sub>20</sub>O<sub>4</sub>NBr<sub>5</sub>** 1) Bromthebaïntetra bromid (B. 17, 528). — III, 910.
- C<sub>19</sub>H<sub>20</sub>O<sub>4</sub>NJ** 1) Jodmethyлат d. Difuraltropinon. Sm. 281° u. Zers. (B. 30, 2716).
- C<sub>19</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>S** 1) Sulfocinchchen. Zers. bei 280° (B. 31, 2361).
- 2) Cinchensulfinsäure (B. 31, 2363).
  - 3) Verbindung (aus Benzaldehyd u. Anilinesulfit). Sm. 24° (B. 24, 749). — III, 6.
- C<sub>19</sub>H<sub>20</sub>O<sub>4</sub>NBr** 1) Brompropylat d. Papaverolin. Sm. 140° (J. pr. [2] 56, 344).
- C<sub>19</sub>H<sub>21</sub>ON<sub>2</sub>Br** 1) Bromcinchonin (J. 1847/48, 619; 1876, 822). — III, 835.
- 2) Hydrobromoxycinchcen. Sm. 180—190°. 2HBr (B. 23, 2669). — III, 837.
  - 3) Hydrobromdehyrocinchonin. Sm. bei 235° u. Zers. HBr (B. 20, 2524). — III, 839.
- C<sub>19</sub>H<sub>21</sub>ON<sub>4</sub>P** 1) Di[Phenylhydrazid] d. 4-Methylphenylphosphinsäure. Sm. 171° (A. 293, 269). — IV, 1669.
- C<sub>19</sub>H<sub>21</sub>O<sub>4</sub>NBr<sub>4</sub>** 1) Methyldi[3,6-Dibrom-4-Oxy-2,5-Dimethylbenzyl]amin. Sm. 168 bis 169° (173%). HBr (B. 29, 1113).
- C<sub>19</sub>H<sub>21</sub>O<sub>4</sub>N<sub>2</sub>Cl** 1) Verbindung (aus d. 2-Methylphenylamid d.  $\alpha$ -Chlor- $\alpha$ -Oxybuttersäur.). Sm. 105—107° (B. 21, 305). — II, 466.
- C<sub>19</sub>H<sub>21</sub>O<sub>4</sub>N<sub>2</sub>S** 1) 6-Phenylazo-1,2,3,4,7,8,9,10-Octohydro- $\alpha$ -Naphtochinolin-6-Sulfonsäure (B. 24, 2490). — IV, 1485.
- C<sub>19</sub>H<sub>21</sub>O<sub>4</sub>N<sub>2</sub>S** 1) Diäthylester d. 4-Thiocarbonyl-2,6-Dimethyl-1-Phenyl-1,4-Dihydropyridin-3,5-Dicarbonsäure. Sm. 245—246° (B. 20, 2112). — II, 2006.

- C<sub>18</sub>H<sub>22</sub>ON<sub>2</sub>Br<sub>2</sub>** 1) Cinchonindibromid + H<sub>2</sub>O. Zers. bei 110°. 2HCl, HBr (J. 1849, 376; 1876, 822; B. 17, 1995; 19, 2854; 20, 2515). — III, 831.
- C<sub>18</sub>H<sub>22</sub>ON<sub>2</sub>S** 1) Valerylimidophenylbenzylamidomerkaptomethan. Sm. 125—126° (Soc. 67, 1043).
- 2)  $\alpha$ -Acetyl- $\alpha$ - $\beta$ -Di[ $\beta$ -Phenyläthyl]thioharnstoff. Sm. 73° (B. 19, 1824). — II, 539.
- C<sub>18</sub>H<sub>22</sub>ON<sub>2</sub>S<sub>2</sub>** 1) Isoamylester d. Diphenyldithioallophansäure. Sm. 87° (J. pr. [2] 32, 258). — II, 398.
- C<sub>18</sub>H<sub>22</sub>ON<sub>2</sub>Cl** 1) Propyläther d. Verb. C<sub>18</sub>H<sub>22</sub>ON<sub>2</sub>Cl (B. 31, 1414).
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Isoamylester d. Thiodiphenylallophansäure. Sm. 70° (B. 4, 248). — II, 382.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>Br** 1) Brommethylmorphimethin. 2 Modif. Sm. 132° u. 182—184°. (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O) (A. 297, 213).
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>J** 1) Jodmethylat d. Curin. Sm. 252—253° (C. 1895 [2] 1086).
- 2) Jodmethylat d. Morphothebain. Sm. 221—222° (B. 32, 191).
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Cinchonidinsulfonsäure. Sm. 225°. (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O) (A. 267, 142). — III, 853.
- 2) Isocinchonidinsulfonsäure. (HCl, AuCl<sub>3</sub>) (A. 267, 140). — III, 853.
- 3) Isocinchoninsulfonsäure. (2HCl, AuCl<sub>3</sub> + 2H<sub>2</sub>O) (A. 267, 141). — III, 835.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) Diäthylester d. 1-Oximido-5-Methyl-3-[4-Chlorphenyl]-1,2,3,4-Tetrahydrobenzol-2,4-Dicarbonsäure. Sm. 187—188° (A. 303, 254).
- C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>ClBr** 1) Hydrobromocinchoninchlorid + 2H<sub>2</sub>O (B. 25, 1546). — III, 836.
- C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>ClJ** 1) Hydrojodecinchoninchlorid (B. 31, 2358).
- 2) Hydrojodecinchonidinchlorid (B. 31, 2359).
- C<sub>18</sub>H<sub>22</sub>ONBr<sub>2</sub>** 1) Verbindung (aus Diäthylanilin u. Dibrompseudocumenolbromid). Sm. 89—90° (B. 29, 1124).
- C<sub>18</sub>H<sub>22</sub>ON<sub>2</sub>Cl** 1) Hydrochlorcinchonin. Sm. 212—213°. Salze meist bek. (A. 205, 348; 276, 109, 112; J. pr. [2] 8, 280; M. 16, 328; B. 20, 2519; R. 1, 108). — III, 831.
- 2) Hydrochlor- $\alpha$ -Isocinchonin. Sm. 172°. (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O) (A. 276, 96). — III, 846.
- 3) Hydrochlorpoisocinchonin. Sm. 203°. HCl + H<sub>2</sub>O, 2HCl, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), 2HJ + H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + 3H<sub>2</sub>O (A. 276, 101). — III, 847.
- 4) Hydrochlorapocinchonidin. Sm. 200°. 2HCl, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub> (A. 205, 346; J. pr. [2] 8, 283). — III, 853.
- C<sub>18</sub>H<sub>22</sub>ON<sub>2</sub>Br** 1) Hydrobromocinchonin. 2HBr (A. 201, 324; B. 20, 2520). — III, 832.
- C<sub>18</sub>H<sub>22</sub>ON<sub>2</sub>J** 1) Hydrojodecinchonin. Sm. 158—160°. 2HCl, (2HCl, PtCl<sub>4</sub>), 2HNO<sub>3</sub> (M. 12, 662; 13, 432). — III, 832.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) Hydrochlorapochinin. Sm. 160°. 2HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (J. pr. [2] 8, 285; A. 205, 341). — III, 819.
- 2) Hydrochlorapococonchinin + 2H<sub>2</sub>O. Sm. 164° (wasserfrei). 2HCl, (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O) (A. 205, 343). — III, 826.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>Br** 1) Hydrobromapochinin. Sm. 209—210°. (2HCl, PtCl<sub>4</sub>), HBr + H<sub>2</sub>O (M. 6, 751). — III, 819.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>J** 1) Hydrojodapochinin. (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O), 2HJ (M. 12, 330). — III, 819.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>** 1) Codeinmethylenejodid. Sm. 214—216° (C. 1899 [1] 118).
- C<sub>18</sub>H<sub>22</sub>ONBr<sub>2</sub>** 1) Diäthylphenyl-3,6-Dibrom-4-Oxy-2,5-Dimethylbenzylammoniumbromid. Sm. 245—246° (u. 256—257°) (B. 29, 1123).
- 2) Bromäthylat d. Verb. C<sub>18</sub>H<sub>22</sub>ONBr<sub>2</sub> (aus Dibrompseudocumenolbromid). Sm. 189—192° u. Zers. (B. 29, 1123).
- C<sub>18</sub>H<sub>22</sub>ONJ** 1) Jodmethylat d.  $\beta$ -Dimethylamido-2,4,5-Trimethyldiphenylketon + xH<sub>2</sub>O. Sm. 187° u. Zers. (wasserfrei) (B. 17, 2675). — III, 236.
- C<sub>18</sub>H<sub>22</sub>ON<sub>2</sub>J<sub>2</sub>** 1) Dihydrojodecinchonin. Sm. 187—190° u. Zers. HJ, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> (M. 12, 583; 13, 431, 676; 15, 447). — III, 832.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>J<sub>2</sub>** 1) Dihydrojodapochinin. HJ (M. 12, 684). — III, 819.
- 2) Dihydrojodapococonchinin. Sm. bei 220°. HCl, HJ, HNO<sub>3</sub> (M. 12, 669). — III, 826.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) Chlormethylat d. Codein + H<sub>2</sub>O. 2 + PtCl<sub>4</sub> + 3H<sub>2</sub>O (A. 222, 215). — III, 903.
- C<sub>18</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>J** 1) Jodmethylat d. Bebeerin (J. d. Bebirin). Sm. 268—270° (B. 29, 2057). — III, 798.

- $C_{19}H_{24}O_4NJ$  2) Jodmethylat d. Codein +  $2H_2O$ . Zers. bei  $270^\circ$  (*C. r.* **92**, 1140; *M.* **10**, 733; *A. ch.* [5] **27**, 276; *A. 222*, 215; *B. 27*, 1149; *30*, 355). — *III*, 903.  
 3) Jodäthylat d. Morphin +  $\frac{1}{2}H_2O$  (*A. 88*, 340; *C. r.* **92**, 1140). — *III*, 898.
- $C_{19}H_{24}O_4N_2S$  1) Cinchotinsulfonsäure +  $H_2O$ . Sm. 245—246° u. Zers. (224°).  $HCl$  +  $5H_2O$ , ( $2HCl$ ,  $PtCl_4$  +  $6H_2O$ ),  $H_2SO_4$  +  $8H_2O$  (*M.* **18**, 415; *A. 267*, 139; *300*, 54, 358).
- $C_{19}H_{25}O_4N_2J$  1) Hydrojodinchin +  $xH_2O$ . Sm. bei  $60^\circ$ . 2HJ (*M.* **14**, 440). — *III*, 820.
- $C_{19}H_{26}ON_2J_2$  1) Jodmethylat d. 4,4'-Di[Dimethylamido]diphenylketon. Sm. 105° (*B. 22*, 1878). — *III*, 186.
- $C_{19}H_{26}O_4NCI$  1) Chloräthylat d. 1-Scopolamin. +  $AuCl_3$  (*B. 27* [2] 883). — *III*, 796.
- $C_{19}H_{26}O_4NJ$  1) Jodäthylat d. 1-Scopolamin. Sm. 185—186° (*B. 27* [2] 883). — *III*, 796.
- $C_{19}H_{27}O_4N_2Cl$  1) Hydrochlorospotetrahydrochinin (*M.* **18**, 635). — *III*, 816.
- $C_{19}H_{27}N_2S_4P$  1) 4-Methylphenyldi[1-Piperidyl]phosphin + 2 Molec. Schwefelkohlenstoff. Sm. 139° (*B. 31*, 1046). — *IV*, 1682.
- $C_{19}H_{27}N_2J_2S$  1) Jodmethylat d. N-Methyl-Tetramethyldiamidotriiodophenylamin (*A. 230*, 114, 151). — *II*, 808.
- $C_{19}H_{28}ON_2J_2$  1) Jodmethylat d.  $\alpha$ -Oxy- $\beta$ -Tetramethyldiamidodiphenylmethan. Sm. 195° (*B. 22*, 1882). — *II*, 1079.
- $C_{19}H_{29}O_4N_2S$  1) Diithylester d.  $\alpha\beta$ -Di[Hexahydrophenyl]thioharnstoff-2,2'-Disacronsäure. Sm. 133° (*A. 295*, 206).
- $C_{19}H_{29}N_2JP$  1) Aethyl-4-Methylphenyldi[1-Piperidyl]phosphoniumjodid. Sm. 191° (*B. 31*, 1046). — *IV*, 1682.
- $C_{19}H_{29}N_2JP$  1) Isobutyl-1-Tripiperidylphosphoniumjodid. Sm. 172° (*B. 28*, 2210). — *IV*, 111.

### $C_{19}$ -Gruppe mit fünf Elementen.

- $C_{19}H_9ONCl_2Br_2$  1) P-Dichlor-P-Dibrom-1-Benzoylcarbazol. Sm. 267—268° (*G. 25* [2] 363). — *IV*, 393.  
 2) P-Dichlor-P-Dibrom-1-Benzoylcarbazol. Sm. 238—240° (*G. 25* [2] 363). — *IV*, 393.
- $C_{19}H_{11}ONClBr$  1) 3-Chlor-6-Brom-9-Benzoylcarbazol. Sm. 202° (*G. 25* [2] 360). — *IV*, 393.
- $C_{19}H_{12}O_5NBrS$  1) Bromresorcinsaccharin (*Bl.* [3] 17, 696).  
 $C_{19}H_{12}O_5NJS$  1) Jodresorcinsaccharin (*Bl.* [3] 17, 696).  
 $C_{19}H_{15}O_3N_2ClS$  1) Phenylamid d. 4-Chlorbenzol-1-Carbonsäure-3-Sulfonsäure. Sm. 219—220° (*Am.* **16**, 543). — *II*, 1303.
- $C_{19}H_{15}O_3N_2BrS$  1) Benzolsulfonat d. 2-Brom-4'-Oxy-4-Methylazobenzol. Sm. 115° (*B. 31*, 1783). — *IV*, 1414.
- $C_{19}H_{15}O_3Cl_2JP$  1) Jodmethylat d. Phosphorigsäuretri-4-Chlorphenylester. Sm. 71° (*B. 31*, 1053).
- $C_{19}H_{16}O_3N_2J_2S$  1) Benzaldehyd-2,4-Dijodphenylaminsaures 2,4-Dijod-1-Amido-benzol. Sm. 78° (*A. 274*, 224). — *III*, 7.
- $C_{19}H_{17}O_4N_2ClS_2$  1) Di[Phenylamid] d. 2-Chlor-1-Methylbenzol-3,5-Disulfonsäure. Sm. 183° (*Soc.* **73**, 751).  
 2) Di[Phenylamid] d. 2-Chlor-1-Methylbenzol-4,5-Disulfonsäure. Sm. 183° (*Soc.* **73**, 747).  
 3) Di[Phenylamid] d. 2-Chlor-1-Methylbenzol-4,6-Disulfonsäure. Sm. 180° (*Soc.* **73**, 776).  
 4) Di[Phenylamid] d. 4-Chlor-1-Methylbenzol-2,5-Disulfonsäure. Sm. 245° (*Soc.* **73**, 744).  
 5) Di[Phenylamid] d. 4-Chlor-1-Methylbenzol-2,6-Disulfonsäure. Sm. 188° (*Soc.* **73**, 771).  
 6) Di[Phenylamid] d. 4-Chlor-1-Methylbenzol-3,5-Disulfonsäure. Sm. 184° (*Soc.* **73**, 743).
- $C_{19}H_{17}O_4N_2BrS_2$  1) Di[Phenylamid] d. 2-Brom-1-Methylbenzol-3,5-Disulfonsäure. Sm. 194° (*Soc.* **73**, 750).
- $C_{19}H_{18}O_3N_2Cl_2S$  1) Benzaldehyd-3-Chlorphenylthionaminsaures 3-Chlor-1-Amido-benzol. Sm. 108° (*A. 274*, 218). — *III*, 7.

- C<sub>19</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>S**
- 1) Benzaldehyd-2-Bromphenylthionaminsaures 2-Brom-1-Amido-benzol. Sm. 93° (A. 274, 221). — III, 7.
  - 2) Benzaldehyd-3-Bromphenylthionaminsaures 3-Brom-1-Amido-benzol. Sm. 101—102° (A. 274, 220). — III, 7.
  - 3) Benzaldehyd-4-Bromphenylthionaminsaures 4-Brom-1-Amido-benzol. Sm. 122° (A. 274, 220). — III, 7.
- C<sub>19</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>J<sub>2</sub>S**
- 1) Benzaldehyd-4-Jodphenylthionaminsaures 4-Jod-1-Amido-benzol. Sm. 121—122° (A. 274, 223). — III, 7.
- C<sub>19</sub>H<sub>22</sub>O<sub>2</sub>NClJ**
- 1) Jodmethylat d. Chlorocodid (A. 297, 215).
- C<sub>19</sub>H<sub>22</sub>O<sub>2</sub>NClBr**
- 1) Chlormethylat d. Bromcodein + 2½ H<sub>2</sub>O (A. 297, 218).
- C<sub>19</sub>H<sub>22</sub>O<sub>2</sub>NClJ**
- 1) Codeinmethylchlorojodid. Sm. 235—238° u. Zers. (C. 1899 [1] 118).
- C<sub>19</sub>H<sub>22</sub>O<sub>2</sub>NBrJ**
- 1) Jodmethylat d. Bromcodein. Sm. 242—244° (A. 297, 212).
- C<sub>19</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>S**
- 1) Hydrochloroceanoninsulfosäure. Sm. 227°. HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), HJ + 2½ H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + 8H<sub>2</sub>O (A. 276, 112). — III, 835.

### C<sub>20</sub>-Gruppe mit einem Element.

**C<sub>20</sub>H<sub>14</sub>**

- C 94,5 — H 5,5 — M. G. 254.
- 1,1'-Binaphyl. Sm. 154°. Pikrat (A. 144, 78; B. 10, 1272, 1603; 15, 2170; 17, 3020; Soc. 35, 225). — II, 294.
- 1,2'-Binaphyl. Sm. 79—80° (76°) (J. 1877, 392; Soc. 35, 227; B. 23, 3199). — II, 295.
- 2,2'-Binaphyl. Sm. 187° (183,5%). Sd. 452°<sub>75</sub> (B. 10, 1272, 1603; 12, 2131; 20, 662; 23, 3200; J. 1870, 568; Soc. 35, 229; 40, 5; 47, 104; 65, 879; 67, 653; A. 284, 74). — II, 295.
- Phenylanthracen. Sm. 152—153°; Sd. 417° (A. 202, 61; 209, 276; Am. 13, 554; A. ch. [6] 1, 495). — II, 294.

**C<sub>20</sub>H<sub>16</sub>**

- C 93,8 — H 6,2 — M. G. 256.
- Benzylfluoren. Sm. 102° (M. 2, 443). — II, 294.
- 9-P-Methylphenylfluoren. Sm. 123° (B. 11, 203). — II, 294.
- Phenylidihydroanthracen. Sm. 120° (A. 202, 63). — II, 294.
- Kohlenwasserstoff (aus Benzaldehyd u. Benzol). Sm. oberh. 360° (A. 242, 331). — II, 287.

**C<sub>20</sub>H<sub>18</sub>**

- C 93,0 — H 7,0 — M. G. 258.
- ααβ-Triphenyläthan. Sm. 53,5—54,5%; Sd. 396—400° (B. 15, 1128; A. 296, 247). — II, 289.
- 2-Methyltriphenylmethan. Sm. 59—59,5%; Sd. 353—354,7%<sub>74</sub> (A. 194, 282; A. ch. [6] 2, 342). — II, 288.
- 3-Methyltriphenylmethan. Sm. 62%; Sd. oberh. 360° (B. 16, 2368). — II, 289.
- 4-Methyltriphenylmethan. Sm. 71%; Sd. oberh. 360° (A. 194, 263; B. 7, 1209; Bk. [3] 17, 978). — II, 289.

**C<sub>20</sub>H<sub>22</sub>**

- α-Dibenzylbenzol. Sm. 86° (B. 6, 120, 221; 9, 31; 27, 3237). — II, 289.
- β-Dibenzylbenzol. Sm. 75° (B. 6, 121, 222; 9, 31; 27, 3237). — II, 289.
- C 91,6 — H 8,4 — M. G. 262.

- 1) Hexamethylanthracen. Sm. 220°. Pikrat (Sm. 203°) (A. ch. [6] 11, 272). — II, 278.

**C<sub>20</sub>H<sub>24</sub>**

- C 90,9 — H 9,1 — M. G. 264.
- 9,9-Dipropyl-9,10-Dihydroanthracen. Sm. 46—47° (B. 22, 1070). — II, 255.
- 2,6-Diisopropyl-9,10-Dihydroanthracen. Sm. 90°; Sd. oberh. 360° (G. 14, 280). — II, 255.
- 1,2-Dimethyl-4,5-Diphenylhexahydrobenzol. Sm. 97°; Sd. 270° (B. 28, 2123).
- αβ-Di-[P-Trimethylphenyl]äthen. Sm. 161°. Pikrat (J. pr. [2] 47, 51). — II, 255.
- polym. 4-Allyl-1-Methylbenzol. Sd. 350° (G. 14, 283, 505). — II, 171.
- polym. 4-Allyl-1-Methylbenzol (G. 14, 283, 505). — II, 171.
- C 90,2 — H 9,8 — M. G. 266.
- αβ-Di-[4-Isopropylphenyl]äthan. Sd. über 360° (A. 121, 251). — II, 242.

**C<sub>20</sub>H<sub>26</sub>**

- C<sub>20</sub>H<sub>26</sub>** 2) *α,α-Di[1,2,4-Trimethylphenyl]äthan* (*J. pr.* [2] **47**, 51). — **II**, 242.  
**C<sub>20</sub>H<sub>28</sub>** C 89,6 — H 10,4 — M. G. 268.
- 1) *Diterebenthylén*. Sd. 345—350° (*Bl.* **50**, 420; **51**, 119). — **II**, 220.
  - C<sub>20</sub>H<sub>30</sub>** C 88,9 — H 11,1 — M. G. 270.
  - 1) *Diterebenthyl*. Sd. 343—346°. 2 + HCl (*Soc.* **54**, 161; *Bl.* **50**, 420). — **II**, 176.
  - 2) *Pinakonen*. Sm. 55—56° (*A.* **292**, 17; *B.* **27**, 2350). C 88,2 — H 11,8 — M. G. 272.
  - C<sub>20</sub>H<sub>32</sub>** 1) *Bisabolen*. Sd. 259—260° (*C.* **1897** [2] 428).
  - 2) *Camphotereben*. Sd. 260—280° (*A.* **197**, 332). — **III**, 539.
  - 3) *Colophen*. Sd. 318—320° (*A.* **37**, 192; **71**, 350; *A. ch.* [5] **6**, 40; *B.* **12**, 1755). — **III**, 539.
  - 4) *Copaïnsabsamöl*. Sd. 252—256° (*A.* **7**, 157; **34**, 321; **148**, 152; **242**, 191; *M.* **2**, 510). — **III**, 539.
  - 5) *Dicinen*. Sd. 328—333° (*B.* **17**, 1973). — **III**, 540.
  - 6) *Diterpilen*. Sd. 210—212° u. (*A. ch.* [6] **15**, 174, 191). — **III**, 541.
  - 7) *Metaterebenten*. Sd. oberh. 360° (*A. ch.* [3] **39**, 19). — **III**, 540.
  - 8) *Nephrin + H<sub>2</sub>O*. Sm. 168° (wasserfrei) (*J. pr.* [2] **57**, 443).
  - 9) *Paracajeputen*. Sd. 310—316° (*J.* **1860**, 482). — **III**, 541.
  - 10) *Petrolen*. Sd. 280° (*A.* **23**, 265).
  - 11) *Pinakonan*. Sm. 98° (*B.* **27**, 2350; *A.* **292**, 21).
  - 12) *Diterpen* (aus *Colophonium*). Sd. 305—310° (*A. ch.* [6] **1**, 240). — **III**, 537.
- C<sub>20</sub>H<sub>34</sub>** C 87,6 — H 12,4 — M. G. 274.
- 1) *Colophenhydrür*. Sd. 320—330° (*B.* **19**, 2174). — **II**, 39.
  - 2) *Dicampphenhydrür*. Sm. 94°; Sd. 321—323,6° (*B.* **13**, 793). — **II**, 39.
  - 3) *Dicamphenhydrür*. Sd. 321° (*A. ch.* [5] **19**, 150; *B.* **13**, 793). — **II**, 39.
  - 4) *Hydrodicamphen*. Sm. 75%; Sd. 326—327° (*Bl.* [3] **19**, 318). C 87,0 — H 13,0 — M. G. 276.
  - 1) *Dimenthien*. Sd. 320° (*Bl.* **31**, 530). — **II**, 19.
  - 2) *Kohlenwasserstoff* (aus Harzöl). Sd. 330—335° (*Bl.* **31**, 119). — **I**, 140.
  - 3) *Kohlenwasserstoff* (aus Menthol). Sd. 190—191°<sub>20</sub> (*C.* **1898** [1] 105). C 86,3 — H 13,7 — M. G. 278.
- C<sub>20</sub>H<sub>36</sub>** 1) *Eikosylen*. Sd. 314—315° (*B.* **12**, 69). — **I**, 137.
- C<sub>20</sub>H<sub>40</sub>** C 85,7 — H 14,3 — M. G. 280.
- C<sub>20</sub>H<sub>42</sub>** 1) *Tetraamyleen*. Sd. 390—400° (*J.* **1861**, 660). — **I**, 125.
- 2) *norm. Eikosan*. Sm. 36,7%; Sd. 205°<sub>15</sub> (*B.* **15**, 1718; **19**, 2220; **21**, 2261; **29**, 1323). — **I**, 107.
  - 2) *Bryonian*. Sm. 69°; Sd. 400° (*B.* **25** [2] 287).
  - 3) *Kohlenwasserstoff* (aus Braunkohlenparaffin) (*B.* **12**, 73).

### C<sub>20</sub>-Gruppe mit zwei Elementen.

- C<sub>20</sub>H<sub>7</sub>Cl<sub>9</sub>** 1) *Enneachloridinaphtalin*. Sm. 156—158° (*A.* **160**, 73). — **II**, 189.
- C<sub>20</sub>H<sub>8</sub>Br<sub>9</sub>** 1) *Heptabrom-2,2'-Binaphyl* (*J.* **1874**, 446). — **II**, 295.
- C<sub>20</sub>H<sub>8</sub>O<sub>6</sub>** C 69,8 — H 2,3 — O 27,9 — M. G. 344.
- 1) *Coerulein* (*B.* **4**, 455, 555, 665; *A.* **209**, 258, 271; *Bl.* [3] **11**, 1136). — **II**, 2088.
  - 2) *Dianhydrobisdiketodihydroinden-4,4'-Dicarbonsäure*. Ag<sub>2</sub> (*B.* **31**, 2088).
  - 1) *Hexachlor-1,1'-Binaphyl* (*A.* **144**, 82). — **II**, 295.
  - 1) *Hexabrom-1,1'-Binaphyl* (*A.* **144**, 81). — **II**, 295.

**C<sub>20</sub>H<sub>10</sub>O<sub>4</sub>** C 76,4 — H 3,2 — O 20,4 — M. G. 314.

    - 1) *o-Dixanthon*. Sm. 317° (*B.* **26**, 75). — **III**, 306.
    - 2) *m-Dixanthon*. Sm. 256° (*B.* **25**, 1655). — **III**, 306.
    - 3) *α-Dinaphtyldichinon* (*B.* **15**, 1812). — **III**, 376.
    - 4) **2,2'-Bi[1,4-Naphtochinon]**. Sm. 216—217° u. Zers. (Zers. bei 270°) (*Soc.* **57**, 632, 808; **67**, 661; *B.* **30**, 2663; **32**, 546). — **III**, 463.
    - 5) *1,1'-Binaphtyl-3,4,3',4'-Dichinon*. Sm. noch nicht bei 300° (*A.* **194**, 206; *B.* **19**, 2483; *Soc.* **67**, 663). — **II**, 396.
    - C 72,7 — H 3,0 — O 24,3 — M. G. 330.
    - 1) *α-Oxydixanthon*. Sm. 258° (*B.* **24**, 3981; **25**, 1655). — **III**, 306.

- C<sub>20</sub>H<sub>10</sub>O<sub>5</sub>**    2)  $\beta$ -Oxydixanthon. Sm. 326° (B. 25, 1656). — III, 306.  
 3) 4,4'-Di[1,2-Naphthochinon]oxyd. Sm. 245° (B. 30, 2199).  
**C<sub>20</sub>H<sub>10</sub>O<sub>6</sub>**    C 69,3 — H 2,9 — O 27,7 — M. G. 346.  
 1) 2,2'-Bi[3-Oxy-1,4-Naphthochinon]. Sm. 215° (Soc. 67, 662). — III, 463.  
**C<sub>20</sub>H<sub>10</sub>O<sub>7</sub>**    C 66,3 — H 2,8 — O 30,9 — M. G. 362.  
 1) Gallein (B. 4, 457; 14, 1326; A. 209, 249, 261). — II, 2087.  
 2) Anhydروبisдiketodihydroinden-4,4'-Dicarbonsäure (B. 31, 2068).  
**C<sub>20</sub>H<sub>10</sub>Cl<sub>4</sub>**    1) Tetrachlor-2,2'-Binaphthal (J. 1874, 446). — II, 295.  
**C<sub>20</sub>H<sub>10</sub>O**    C 89,5 — H 4,5 — O 6,0 — M. G. 268.  
 1)  $\alpha$ -Binaphthyleneoxyd. Sm. 182—182,5° (184°). Pikrat (A. 209, 134; B. 13, 1724; 14, 196; 15, 1122; J. r. 14, 130). — II, 1005.  
 2) 2,6-[ $\beta$ ]Binaphthyleneoxyd. Sm. 161° (158°). Pikrat (B. 13, 1724; 14, 200; 15, 1122; A. 209, 136, 146; J. r. 14, 132; Soc. 59, 1096). — II, 1005.  
 3) isom. Binaphthyleneoxyd. Sm. 157°. Pikrat (B. 15, 2171). — II, 1006.  
**C<sub>20</sub>H<sub>10</sub>O<sub>2</sub>**    C 84,5 — H 4,2 — O 11,3 — M. G. 284.  
**C<sub>20</sub>H<sub>10</sub>O<sub>5</sub>**    1) 2-[2-Naphyl]-1,4-Naphthochinon. Sm. 177° (Soc. 67, 657). — III, 463.  
 C 80,0 — H 4,0 — O 16,0 — M. G. 300.  
 1) Anhydrophenolphthalein (Fluoran). Sm. 180° (173—175°). +  $^{1/2}$ C<sub>8</sub>H<sub>6</sub>O (A. 212, 349; B. 24, 1417; 25, 1386, 3589; 28, 430). — II, 1983.  
 2) 3-Oxy-2-[2-Naphyl]-1,4-Naphthochinon. Sm. 187° u. Zers. (Soc. 67, 659). — III, 463.  
 3) Benzoat d. 1-Oxy-9-Ketofluoren. Sm. 128—129° (B. 31, 3034).  
 C 75,9 — H 3,8 — O 20,2 — M. G. 316.  
 1) Binaphthylidinchinhydrin (A. 194, 205). — III, 396.  
 2) 3,4-Methylenäther d. 2-[3,4-Dioxyphenyl]-1,4- $\alpha$ -Naphtopyron. Sm. 253—254° (B. 31, 708).  
 3) 3,4-Methylenäther d. 2-Keto-1-[3,4-Dioxybenzyliden]- $\alpha$ -Naphtofuran (B. 30, 1469).  
 4) Benzoat d. 1-Oxyxanthon. Sm. 206,5° (B. 27, 1996). — III, 201.  
 5) Benzoat d. 2-Oxyxanthon. Sm. 151° (B. 27, 1996). — III, 201.  
 6) Benzoat d. 3-Oxyxanthon. Sm. 147° (B. 27, 1996). — III, 201.  
 7) Benzoat d. 4-Oxyxanthon. Sm. 172° (B. 27, 1996). — III, 201.  
 8) Säure (aus 2-Oxynaphthalin). Sm. 281°. Ba + 7H<sub>2</sub>O, Ag (M. 10, 116). — II, 1914.  
 9) Verbindung (aus Diphenacylfumarsäure) (A. 299, 60).  
 10) Verbindung (aus d. Laktont d.  $\gamma$ -Oxy- $\gamma$ -Phenylcrotonssäure) (A. 299, 56).  
**C<sub>20</sub>H<sub>10</sub>O<sub>6</sub>**    C 72,3 — H 3,6 — O 24,1 — M. G. 332.  
 1) Fluorescein (Dioxyfluorao). Zers. oberh. 290°. Ca + 4H<sub>2</sub>O, Ba + 9H<sub>2</sub>O (A. 183, 2; 212, 351; 215, 83; 238, 360; B. 11, 1342; 21, 3377; 24, 1413; 28, 312, 428; 29, 2623). — II, 2060.  
 2) Hydrochinonphthalein (2,7-Dioxyfluorao). Sm. 226—227° (B. 6, 507; 11, 714; 29, 2623; 31, 1743). — II, 2065.  
**C<sub>20</sub>H<sub>10</sub>O<sub>5</sub>**    C 68,9 — H 3,4 — O 27,6 — M. G. 348.  
 1) Cörlulin (B. 14, 1326; A. 209, 274). — II, 2088.  
 2) Diacetoxyphtalein + 3 $^{1/2}$ H<sub>2</sub>O. Zers. bei 245° (B. 13, 1654; M. 5, 182). — II, 2067.  
 3) Anhydrid d. Resorcinoxalein (B. 14, 2565). — II, 937.  
**C<sub>20</sub>H<sub>10</sub>O<sub>7</sub>**    C 65,9 — H 3,3 — O 30,8 — M. G. 364.  
 1) Hydrogalllein (A. 209, 266). — II, 2093.  
 2) Phloroglucinphthalein. Zers. bei 240° (B. 13, 1652). — II, 2093.  
 3) 1,9-Laktond.1-Oxy-2,3-Diacetoxyl-10-Keto-9,10-Dihydroanthracen-9-Methenylcarbonsäure (Diacetat d. o-Dioxyanthracumarin). Sm. 260° (B. 20, 3143). — II, 2028.  
**C<sub>20</sub>H<sub>10</sub>O<sub>8</sub>**    C 63,2 — H 3,1 — O 33,7 — M. G. 380.  
 1) Pyrogallinphthaleinsäure (B. 4, 457, 663; A. 209, 261). — II, 2087.  
**C<sub>20</sub>H<sub>10</sub>O<sub>10</sub>**    C 58,2 — H 2,9 — O 38,8 — M. G. 412.  
 1) Verbindung (aus d. Purpurogallin C<sub>20</sub>H<sub>10</sub>O<sub>9</sub>) (J. 1882, 682). — III, 346.  
**C<sub>20</sub>H<sub>10</sub>N<sub>2</sub>**    C 85,7 — H 4,3 — N 10,0 — M. G. 280.  
 1) Dinaphthazin. Sm. 283—284° (Gm. 7, 24; B. 3, 291; 10, 573, 772; 19, 2795; 23, 1329; 26, 183; 29, 2089; Soc. 51, 100; A. 253, 28; 255, 147; 272, 351). — IV, 1083.  
 2)  $\alpha$ - $\beta$ -Dinaphthazin. Sm. 242—243° (B. 23, 1333; 26, 184; 29, 2089, 2091; A. 272, 333). — IV, 1084.

- C<sub>20</sub>H<sub>19</sub>N<sub>3</sub>**
- 3)  $\alpha\beta\beta\beta$ -Dinaphthazin. Sm. 240° (B. 29, 2087). — IV, 1085.
  - 4) 2,3-Biphenyl-1,4-Benzodiazin (Phenanthrophenazin). Sm. 217°. HCl (A. 237, 340; 292, 264). — IV, 1085.
  - 5) Chinakridin. Sm. 221° (B. 29, 81). — IV, 1086.
  - 6) Chrysopiazin. Sm. 128—129° (Soc. 63, 1290). — IV, 1087.
  - 7) Base (aus Oxychinakridon). Sm. 213° (B. 29, 81). — IV, 1087.

**C<sub>20</sub>H<sub>19</sub>Br<sub>2</sub>**

    - 1) Dibrom-1,1'-Binaphthyl. Sm. 215° (A. 144, 80). — II, 295.

**C<sub>20</sub>H<sub>19</sub>Br<sub>3</sub>**

      - 1)  $\alpha\beta\beta$ -Tribrom- $\alpha\alpha$ -Tri[ $\beta$ -Bromophenyl]äthan. Sm. 245° (A. 296, 247).

**C<sub>20</sub>H<sub>19</sub>S**

        - 1) Dinaphthenthienophen. Sm. 147° (B. 27, 3001). C 89,8 — H 4,9 — N 5,2 — M. G. 267.

**C<sub>20</sub>H<sub>19</sub>N**

        - 1)  $\beta\beta$ -Dinaphthyleamin ( $\beta$ -Dinaphthylcarbazol). Sm. 159° (cor.). Pikrat (B. 15, 2174). — IV, 472.
        - 2) isom.  $\beta\beta$ -Dinaphthylcarbazol. Sm. 169—170°. Pikrat (B. 19, 2242). — IV, 473.
        - 3) isom. Dinaphthylcarbazol. Sm. 216°. Pikrat (B. 18, 3259). — IV, 473.
        - 4) 2,3-Diphenylenindol. Sm. 188—189° (Soc. 71, 1124). C 81,4 — H 4,4 — N 14,2 — M. G. 295.

**C<sub>20</sub>H<sub>19</sub>N<sub>3</sub>**

        - 1) 2-(2-Naphyl)- $\beta\beta$ -Naphtriazol. Sm. 186° (B. 28, 2202). — IV, 1170.
        - 2)  $\alpha$ -Amido- $\alpha\beta$ -Naphtzin. Sm. bei 325° (B. 29, 2089). — IV, 1215.
        - 3) Amidophenanthrophenazin. Sm. 279° (B. 21, 2306). — IV, 1214.

**C<sub>20</sub>H<sub>14</sub>O**

          - 1) 10-Oxy-9-Phenylanthracen (Phenylanthrancol). Sm. 141—144° u. Zers. (A. 202, 54). — II, 1094.
          - 2) 1,1'-Dinaphthyläther. Sm. 109—110°. Pikrat (B. 14, 195). — II, 857.
          - 3) 2,2'-Dinaphthyläther. Sm. 105°; Sd. über 360°. Pikrat. Sm. 122 bis 122,5° (A. 209, 149; B. 13, 1850; 14, 199; 15, 306; Soc. 40, 5). — II, 877.
          - 4) Verbindung (aus  $\alpha\zeta$ -Diketo- $\alpha\beta\delta$ ; oder  $\alpha\gamma\delta\zeta$ -Tetraphenyl- $\beta\delta$ -Hexadien). Sm. 92—94° (A. 302, 214). C 83,9 — H 4,9 — O 11,2 — M. G. 286.

**C<sub>20</sub>H<sub>14</sub>O<sub>2</sub>**

          - 1) 1,4-Dioxy-2-(2-Naphyl)naphthalin. Sm. 169—170° (Soc. 67, 658).
          - 2)  $\alpha$ -Dioxybinaphyl. Sm. 300° (J. r. 6, 183). — II, 1004.
          - 3) 2,2'-Dioxy-1,1'-Binaphthyl. Sm. 217°. Pikrat (J. r. 6, 187; B. 14, 2345; 15, 2166; 21, 3562; 23, 3368; Bl. [3] 19, 610). — II, 1004.
          - 4) isom.  $\beta$ -Dioxybinaphyl. Sm. 195° (B. 15, 807). — II, 1005.
          - 5) 9-Oxy-10-Oxyphenylanthracen (A. 202, 58; 209, 277; B. 13, 1617). — II, 1112.
          - 6) 10-Oxy-9-Keto-10-Phenyl-9,10-Dihydroanthracen (Phenoxyanthrancol). Sm. 208° (A. 202, 58; 209, 277; B. 13, 1617). — III, 260.
          - 7) Benzyläther d. 1-Oxy-9-Ketofluoren. Sm. 93—94° (B. 31, 3034).
          - 8) 1,2-Dibenzoylbenzol. Sm. 145—146° (B. 9, 32, 309). — III, 305.
          - 9) 1,3-Dibenzoylbenzol (Isophthalophenon). Sm. 99,5—100° (B. 13, 320). — III, 304.
          - 10) 1,4-Dibenzoylbenzol (Terephthalophenon). Sm. 159—160° (B. 9, 31, 309; 19, 147, 1847). — III, 305.
          - 11) Lakton d.  $\alpha$ -Oxytriphenylmethan-2-Carbonsäure (Phthalophenon; Diphenylphthalid). Sm. 115°; Sm. 419—428° u. Zers. (B. 14, 1866; 17, 387; A. 202, 50; 280, 234; A. ch. [6] 1, 523). — II, 1722.
          - 12) Lakton d.  $\alpha$ -Oxy- $\alpha'$ -Phenyl- $\alpha^2$ -Biphenylmethan- $\alpha'$ -2-Carbonsäure (L. d. Phenylbenzhydryl-o-Benzosäure). Sm. 204—206° (J. pr. [2] 41, 149). — II, 1722.
          - 13) Benzoat d. Cyklophenylenbenzylidenoxyd. Sm. 150—190° (M. 16, 279). C 79,5 — H 4,6 — O 15,9 — M. G. 302.

**C<sub>20</sub>H<sub>14</sub>O<sub>3</sub>**

          - 1) 2-[1-Naphyl]äther d. 1,2,4-Trioxynaphthalin. Sm. 240—245° (B. 30, 2566).
          - 2) 4-[1-Naphyl]äther d. 1,2,4-Trioxynaphthalin. Zers. bei 220° (B. 30, 2567).
          - 3) 9, $\beta$ -Dioxy-10-Oxyphenylanthracen (A. 202, 91). — II, 1116.
          - 4) 10-Oxy-9-Keto-10-[ $\beta$ -Oxyphenyl]-9,10-Dihydroanthracen (Oxy-phenyoxyanthrancol). Sm. 194° u. Zers. (B. 13, 1618). — III, 260.
          - 5) 2-[4-Phenylbenzoyl]benzol-1-Carbonsäure. Sm. 225° (220°). Ca, Ni, Pb, Cu, Ag (J. pr. [2] 41, 147; A. 257, 96). — II, 1726.
          - 6) Hydrofluorursäure (Anhydro- $\beta$ -Dioxytriphenylmethan-2-Carbonsäure). Sm. 226—228° (214—217°). Ag (A. 212, 350; B. 25, 1388; 28, 431). — II, 1911.

- $C_{20}H_{14}O_5$
- 7)  $\alpha$ , $2$ -Lakton d.  $\alpha$ -Oxy- $\beta$ -Oxytriphenylmethan-2-Carbonsäure (Monoxydiphenylphthalid). Sm. 61—66° u. 155° (B. 13, 1613). — II, 1910.
  - 8) Benzoat d. 2-Oxydiphenylketon. Fl. (M. 17, 107). — III, 193.
  - 9) Benzoat d. 4-Oxydiphenylketon. Sm. 112,5° (A. 210, 251; B. 6, 1245; 14, 1841). — III, 194.
  - 10) Verbindung (aus Phenanthroxylenacetessigsäureäthylester). Zers. bei 285° (Soc. 59, 14). — II, 1908.
  - 11) Verbindung (aus  $\beta$ -Benzoylpropionsäure). Sm. 191—192° (A. 299, 61).
  - 12) Verbindung (aus  $\beta$ -Phthalylpropionsäure). Sm. 235—237° (B. 11, 1680). — II, 1875.
- $C_{20}H_{14}O_4$
- 1)  $\beta$ -Dibenzoyl-1,3-Dioxybenzol. Sm. 149° (A. 210, 259). — III, 305.
  - 2)  $\beta$ -Dibenzoyl-1,4-Dioxybenzol. Sm. 207° (A. 210, 264). — III, 305.
  - 3) 3,4-Methylenäther d.  $\gamma$ -Keto- $\gamma$ -[1-Oxy-2-Naphthyl]- $\alpha$ -[3,4-Dioxyphenyl]propen. Sm. 154—155° (B. 31, 707).
  - 4) 2,2'-Bi-1,3-Diketo-2-Methyl-2,3-Dihydroinden. Sm. 203—205° (B. 31, 1163).
  - 5) Naphtochinhydrin (A. 167, 359). — II, 982.
  - 6) Binaphthyldihydrochinon (Binaphtyldichinol). Sm. 176—178° (A. 194, 207; B. 11, 3024; 19, 2492). — III, 397.
  - 7) Isobinaphthyldichinon. Sm. 250—260° u. Zers. (Soc. 47, 104). — III, 397.
  - 8) Diacetat d. Dioxypyren. Sm. 166—167° (M. 4, 322). — II, 1003.
  - 9) Dibensoaat d. 1,2-Dioxybenzol. Sm. 84° (88°) (A. 107, 247; 210, 261; 301, 104). — II, 1149.
  - 10) Dibensoaat d. 1,3-Dioxybenzol. Sm. 117°. + AlCl<sub>3</sub> (A. 138, 78; 210, 256; 301, 104; B. 11, 2269; 26 [2] 492; J. pr. [2] 26, 64, [2] 36, 10; G. 15, 261). — II, 1149.
  - 11) Dibensoaat d. 1,4-Dioxybenzol. Sm. 199° (A. 210, 263; B. 12, 661). — II, 1150.
  - 12) Säure (aus Naphtalin). Pb, Pb<sub>3</sub>, Ag<sub>2</sub> (A. 144, 86). — II, 1912.
  - 13) Säure (aus 2-Oxynaphtalin). Sm. 223—224°. Ba + 2H<sub>2</sub>O (M. 10, 120). — II, 1912.
  - 14)  $\alpha$ , $2$ -Lakton d.  $\alpha$ -Oxy- $\alpha$ -[2,4-Dioxyphenyl]- $\alpha$ -Diphenylmethan-2-Carbonsäure (Benzolresorcinphthalin). Sm. 175—176°. + CHCl<sub>3</sub>. Sm. 113—114° (B. 14, 1860). — II, 1956.
  - 15)  $\alpha$ , $2$ -Lakton d.  $\alpha$ -Oxy- $\alpha$ -[ $\beta$ -Oxytriphenyl]methan-2-Carbonsäure (Phenolphthalein). Sm. 100° (amorph); 253—255° (krystal.) (A. 202, 68; B. 16, 319; 29, 131; G. 25 [2] 142). — II, 1982.
  - 16) Isophenolphthalein. Sm. 69—70° (B. 28, 108, 431).
  - 17) Phenolphthalein. Sm. 212° (A. 202, 100). — III, 260.
  - 18) Coralliphthalein (B. 11, 1427; A. 194, 140). — II, 1121.
  - 19) Acetyllderivat d. Säure  $C_{18}H_{14}O_4$  (aus Dehydrobenzoylessigsäure). Sm. 145—150° (Soc. 47, 290). — II, 1906.
  - 20) Phenylester d. 6-Oxy-3-Benzoylbenzol-1-Carbonsäure. Sm. 84° (A. 290, 168).
  - 21) Diphenylester d. Benzol-1,2-Dicarbonsäure. Sm. 70° (B. 7, 705; 13, 419; 28, 108, 431). — II, 1794.
  - 22) Diphenylester d. Benzol-1,3-Dicarbonsäure. Sm. 120° (B. 7, 708). — II, 1826.
  - 23) Diphenylester d. Benzol-1,4-Dicarbonsäure. Sm. 191° (B. 7, 707; A. 121, 89). — II, 1832.
- $C_{20}H_{14}O_5$
- C 71,8 — II 4,2 — O 23,9 — M. G. 334.
  - 1) Di[3,4-Dioxy-1-Naphthyl]äther. Sm. 138° (B. 30, 2201).
  - 2) Methyläther d. 2-Oxy-2-Methyl-2,2-Bi-1,3-Diketo-2,3-Dihydroinden. Sm. 214—216° (B. 31, 1174).
  - 3) Fluorescein. Sm. 125—127° (A. 183, 26; M. 13, 423). — II, 2037.
  - 4) Hydrochinonphtalin. Sm. 202—203°. + C<sub>6</sub>H<sub>6</sub> (B. 11, 716). — II, 2038.
  - 5) Benzoalpyrogallolphthalein. Sm. 189—190°. + 1 Molec. Essigäsäure (B. 14, 1864). — II, 2037.
  - 6) 2-[2-Acetoxylnaphthoyl]benzol-1-Carbonsäure. Sm. 170° (B. 16, 302). — II, 1909.
  - 7) Aurincarbonsäure. C<sub>18</sub> (B. 25, 948). — II, 2037.
  - 8) Diphenylester d. 2-Oxybenzol-1,3-Dicarbonsäure. Sm. 99°. Na (J. pr. [2] 44, 10). — II, 1936.

- $C_{20}H_{14}O_5$  9) Dibenzozat d. 1,2,3-Trioxobenzol. Sm. 106° (A. 301, 106).  
 $C_{20}H_{14}O_6$  C 68,6 — H 4,0 — O 27,4 — M. G. 350.  
 1) Dimethyläther d. 2,2'-Bi-2-Oxy-1,3-Diketo-2,3-Dihydroinden. Sm. 175—180° (B. 31, 1169).  
 2) Acetat d. Calycin. Sm. 178° (B. pr. [2] 58, 540).  
 3) Diacetat d. 1,3-Diketo-2-[3,4-Dioxobenzyliden]-2,3-Dihydroinden. Sm. 186° (B. 30, 1185).  
 7) 1,3-Phenylester d. 2-Oxybenzol-1-Carbonsäure. Sm. 111° (B. 26, 79). — II, 1493.  
 8) 1,4-Phenylester d. 2-Oxybenzol-1-Carbonsäure. Sm. 148° (B. 26, 81). — II, 1493.  
 $C_{20}H_{14}O_7$  C 65,6 — H 3,8 — O 30,6 — M. G. 366.  
 1) Hydrat d. 4,4'-Di 1,2-Naphthochinon]oxyd (B. 30, 2200).  
 2) Gallin (A. 209, 268). — II, 2086.  
 3) Phloroglucinphthalin (B. 13, 1653). — II, 2086.  
 4) Resorcinphthalin (B. 10, 1305; 14, 2563). — II, 937.  
 $C_{20}H_{14}O_8$  C 62,8 — H 3,7 — O 33,5 — M. G. 382.  
 1) 3,4-Methylenäther-7,8-Diacetat d. 7,8-Dioxy-2-[3,4-Dioxophenyl]-1,4-Benzpyron (B. 29, 2435).  
 2) Triacetat d. 1,2,3-Trioxo-9,10-Anthrachinon. Sm. 181—182° (B. 10, 40; Soc. 63, 1170). — III, 433.  
 3) Triacetat d. 1,2,4-Trioxo-9,10-Anthrachinon. Sm. 192—193° (198 bis 200°) (A. 153, 192; B. 10, 553). — III, 434.  
 4) Triacetat d. 1,2,5-P-Trioxo-9,10-Anthrachinon. Sm. 205° (192 bis 193°) (B. 12, 1289; A. 183, 192; 280, 17). — III, 435.  
 5) Triacetat d. 1,2,6-Trioxo-9,10-Anthrachinon. Sm. 195—196° (B. 10, 1822). — III, 435.  
 6) Triacetat d. 1,2,7-Trioxoanthrachinon. Sm. 220° (J. 1873, 452; A. 280, 15). — II, 436.  
 7) Säure (aus 1-Oxynaphthalin). Sm. 246°. Br. (B. 21, 1614). — II, 2087.  
 $C_{20}H_{14}O_9$  C 60,3 — H 3,5 — O 36,2 — M. G. 398.  
 1) Psoromsäure (Parellsäure). Sm. 263—264°. Ag (G. 12, 431; A. 284, 129; 288, 59; 295, 226). — II, 2093, 2112.  
 2) Benzoat d. Sordidin. Sm. 222—223° (G. 24 [2] 330). — II, 2059.  
 3) Verbindung (aus d. Glykosid  $C_{22}H_{34}O_9$ ). Sm. 250—255° (J. 1876, 852). — III, 576.  
 $C_{20}H_{14}O_{11}$  C 45,6 — H 2,7 — O 51,7 — M. G. 526.  
 $C_{20}H_{14}N_2$  1) Anhydrid d. Prehnomalsäure. Sm. 210° (B. 4, 275).  
 C 85,1 — H 5,0 — N 9,9 — M. G. 282.  
 1) P-Diimidio-1,1'-Binaphthyl. 2HCl (B. 19, 2551). — IV, 1073.  
 2) 1,1'-Azonaphthalin. Sm. 190° (B. 18, 298, 3252; 30, 81). — IV, 1389.  
 3) 1,2'-Azonaphthalin. Sm. 136° (B. 20, 612). — IV, 1389.  
 4) 2,2'-Azonaphthalin. Sm. 204° (B. 30, 82). — IV, 1389.  
 5)  $\alpha$ -[2-Chinolyl]- $\beta$ -[6-Chinolyl]äthen. Sm. 146—147° (B. 22, 287). — IV, 1078.  
 6)  $\alpha$ -[2-Chinolyl]- $\beta$ -[7-Chinolyl]äthen. Fl. (B. 23, 3650). — IV, 1078.  
 7) 2,4-Diphenyl-1,3-Benzodiazin. Sm. 119—120°. (2HCl, PtCl<sub>4</sub>), Pikrat (B. 25, 3091). — IV, 1079.  
 8) 2,3-Diphenyl-1,4-Benzodiazin (Diphenylchinoxalin). Sm. 124° (126°). HCl (B. 24, 720; 27, 2181; J. pr. [2] 57, 546). — IV, 1079.  
 9) Dihydrophenanthrophenezin. HCl (A. 292, 264). — IV, 1080.  
 10) Dihydrochrysopazin. Sm. 132—133° (Soc. 63, 1289). — IV, 1080.  
 $C_{20}H_{14}N_4$  C 77,4 — H 4,5 — N 18,1 — M. G. 310.  
 1) Verbindung (aus 2,2'-Azobenzol-1-Diazochlorid). Sm. 202—204° (B. 20, 2901). — IV, 1542.  
 2) Verbindung (aus Aposafranin u.  $\alpha\beta$ -Diamidoäthan) (B. 30, 2492). — IV, 1279.  
 3) Azinverbindung (aus 1,2,4,5-Tetraamidobenzol u. Penanthrenchinon) (B. 20, 338). — IV, 1244.  
 $C_{20}H_{14}Cl_4$  1) 1,4-Di[ $\alpha\alpha$ -Dichlorbenzyl]benzol. Sm. 91—92° (B. 9, 311). — III, 305.

- C<sub>20</sub>H<sub>14</sub>S**
- 1) **1,1'-Dinaphthylsulfid.** Sm. 110°; Sd. 290°<sub>15</sub> (197—198°) (B. 7, 407; **22**, 823; **23**, 3046; **28**, 2330; **29**, 1327; J. pr. [2] 41, 217). — **II**, 867.
  - 2) **1,2'-Dinaphthylsulfid.** Sm. 60—61°; Sd. 290—291°<sub>15</sub> (B. 23, 2368; **28**, 2330). — **II**, 887.
  - 3) **2,2'-Dinaphthylsulfid.** Sm. 151°; Sd. 295—296°<sub>15</sub> (201—202°) (B. **22**, 825; **26**, 2816; **28**, 2330; **29**, 1327). — **II**, 887.
- C<sub>20</sub>H<sub>14</sub>S<sub>2</sub>**
- 1) **1,1'-Dinaphthyldisulfid.** Sm. 91° (85°) (A. **132**, 94; J. pr. [2] 47, 97). — **II**, 868.
  - 2) **2,2'-Dinaphthyldisulfid.** Sm. 139° (132°) (Z. **1869**, 711; B. **8**, 463; **21**, 1100; J. pr. [2] 47, 98; [2] **49**, 387; [2] **58**, 181, 189). — **II**, 888.
- C<sub>20</sub>H<sub>14</sub>As<sub>2</sub>**
- 1) **1-Arsenonaphthalin.** Sm. 221° (B. **14**, 913; **15**, 1954). — **IV**, 1693.
- C<sub>20</sub>H<sub>14</sub>Hg**
- 1) **Quecksilberdi[1-Naphthyl].** Sm. 243° (A. **147**, 166; **154**, 188; B. **12**, 564; **27**, 249; **31**, 1530). — **IV**, 1712.
  - 2) **Quecksilberdi[2-Naphthyl].** Sm. 238° (B. **27**, 251; Soc. **65**, 878). — **IV**, 1712.
- C<sub>20</sub>H<sub>14</sub>Se**
- 1) **2,2'-Dinaphthylselenid.** Sm. 138,5°; Sd. 298°<sub>15</sub>; (B. **27**, 1767).
  - C 89,2 — H 5,6 — N 5,2 — M. G. 269.
- C<sub>20</sub>H<sub>15</sub>N**
- 1) **1,1'-Dinaphthylamin.** Sm. 113° (111°); Sd. 310—315°<sub>15</sub>. Pikrat (Bl. **18**, 68; B. **11**, 639; **15**, 615; **16**, 14, 17). — **II**, 600.
  - 2) **1,2'-Dinaphthylamin.** Sm. 110—111°. Pikrat (B. **16**, 17). — **II**, 604.
  - 3) **2,2'-Dinaphthylamin.** Sm. 170,5°; Sd. 471°. HCl, Pikrat (A. **211**, 43; **279**, 108; B. **13**, 1300; **14**, 1791, 2343; **15**, 611; **16**, 10; **18**, 1586; **19**, 2016; **20**, 2619; **23**, 1541; C. **1896** [1] 997). — **II**, 603.
  - 4) **1,2-Diphenylinadol.** Sd. oberh. 360° (A. **239**, 223). — **IV**, 413.
  - 5) **2,3-Diphenylinadol.** Sm. 123—124°; Sd. 290—296°<sub>15</sub>. Pikrat + Aceton (A. **236**, 136; M. **14**, 282; **15**, 402; B. **26**, 1341; Soc. **65**, 892). — **IV**, 469.
  - 6) **3-Methyl-5-Phenylakridin.** Sm. 135—136°. HJ, H<sub>2</sub>SO<sub>4</sub>, Pikrat (A. **239**, 60). — **IV**, 469.
  - 7) **Nitril d. Triphenylmethan- $\alpha$ -Carbonsäure.** Sm. 127,5° (A. **194**, 260; J. **1881**, 518; Bl. [3] 9, 374). — **II**, 1481.
  - 8) **polym. Nitril d. Triphenylmethan- $\alpha$ -Carbonsäure.** Sm. 210° (A. **194**, 262). — **II**, 1481.
  - 9) **Nitril d. Triphenylmethan-2-Carbonsäure.** Sm. 89°; Sd. 270—285°<sub>15—25</sub> (B. **24**, 2572). — **II**, 1481.
  - 10) **Nitril d. Triphenylmethan-4-Carbonsäure.** Sm. 90° (B. **26**, 3089). — **II**, 1482.
- C<sub>20</sub>H<sub>15</sub>N<sub>3</sub>**
- C 80,8 — H 5,0 — N 14,1 — M. G. 297.
  - 1) **1-[1-Naphthyl]amidodiazonaphthalin ( $\alpha$ -Diazomidonaphthalin) (Z. **1866**, 137). — **IV**, 1574.**
  - 2) **2-[2-Naphthyl]amidodiazonaphthalin.** Sm. 156° (B. **19**, 1282; Soc. **51**, 191). — **IV**, 1574.
  - 3) **4-Amido-1-1-Naphthylazo]naphthalin.** Sm. 173—175°. HCl, 2HCl, H<sub>2</sub>SO<sub>4</sub> (Z. **1866**, 138, 331, 568; A. **129**, 108; B. **7**, 1291; **17**, 477; **18**, 297; **22**, 590; **28**, 2198; Soc. **51**, 190). — **IV**, 1390.
  - 4)  **$\alpha$ -Amido- $\beta$ -Azonaphthalin.** Sm. 152° (B. **20**, 612). — **IV**, 1390.
  - 5)  **$\beta$ -Amido- $\beta$ -Azonaphthalin.** HCl, H<sub>2</sub>SO<sub>4</sub> (B. **20**, 2900; **28**, 2202; Soc. **59**, 608). — **IV**, 1390.
  - 6) **isom. Amido- $\beta$ -Azonaphthalin.** Sm. 149° (B. **18**, 2422). — **IV**, 1391.
  - 7) **1,3,5-Triphenyl-1,2,4-Triazol.** Sm. 104°; Sd. oberh. 360°. HCl (J. pr. [2] **54**, 152). — **IV**, 1187.
  - 8) **1,3,4-Triphenyl-1,2,5-Triazol.** Sm. 122° (B. **21**, 2806; **25**, 2599). — **IV**, 785.
  - 9) **6-Amido-2,3-Diphenyl-1,4-Benzodiazin.** Sm. 175°. HCl (A. **292**, 254). — **IV**, 1213.
  - 10) **5-Phenylhydrazonmethylakridin.** H<sub>2</sub>SO<sub>4</sub> (B. **20**, 1549). — **IV**, 422.
- C<sub>20</sub>H<sub>15</sub>N<sub>5</sub>**
- C 73,9 — H 4,6 — N 21,5 — M. G. 325.
  - 1)  **$\beta$ -Phenylazo- $\beta$ -[2-Naphthyl]azopyrrol.** Sm. 151° (B. **19**, 2256). — **IV**, 1483.
  - 2) **Phenylhydrazon d. 3-Benzoyl-1,2,4-Benstriazin.** Sm. 185° (B. **26**, 2789). — **IV**, 1166.
- C<sub>20</sub>H<sub>15</sub>Cl**
- 1)  **$\beta$ -Chlor- $\alpha\beta$ -Triphenyläthen.** Sm. 117° (C. **1897** [2] 662).
- C<sub>20</sub>H<sub>15</sub>Br**
- 1)  **$\beta$ -Brom- $\alpha\beta$ -Triphenyläthen.** Sm. 115° (C. **1897** [2] 662).

$C_{20}H_{16}O$ 

C 88,2 — H 5,9 — O 5,9 — M. G. 272.  
 1)  $\beta$ -Oxy- $\alpha\beta$ -Triphenyläthen. Sm. 136°; Sd. 270—280°<sub>40</sub>. Na (Bl. [3] 13, 858; [3] 15, 22; B. 26, 1957; 29, 2080; 32, 654; A. 275, 88; 296, 242; C. 1897 [2] 660). — II, 1094; III, 258.

2)  $\alpha\beta$ -Triphenyläthanoxyd. Sm. 105° (C. 1897 [2] 662).

3)  $\alpha$ -Keto- $\beta$ -Phenyl- $\alpha$ -Biphenyläthen (Biphenylbenzylketon). Sm. 150°; Sd. oberh. 360° (B. 21, 1339). — III, 258.

4) 4-Benzoyldiphenylmethan. Sm. 157° (Bl. [3] 15, 948).

5) Benzylacenaphthylketon. Sm. 114° (B. 21, 1342). — III, 258.

6) Aldehyd d. Triphenylmethan-4-Carbonsäure. Sd. 190—195°<sub>40</sub>. + NaHSO<sub>3</sub> (B. 10, 2028). — III, 64.

7) Verbindung (aus Zinnmaldehyd) (A. 34, 160). — III, 58.

 $C_{20}H_{16}O_2$ 

C 83,3 — H 5,5 — O 11,1 — M. G. 288.  
 1)  $\alpha$ -Oxy- $\beta$ -Keto- $\alpha\beta$ -Triphenyläthen. Sm. 84° (Bl. [3] 13, 860; C. 1897 [2] 661; B. 32, 655). — III, 258.

2)  $\beta$ -Keto- $\alpha\beta$ -Diphenyl- $\alpha$ -[4-Oxyphenyl]äthen (p-Desylphenol). Sm. 133°; Nd. 309—314°<sub>40</sub> (Soc. 57, 965). — III, 258.

3) Triphenylessigsäure (Triphenylmethan- $\alpha$ -Carbonsäure). Sm. 264° u. Zers. (255—258° u. Zers.). Ag (A. 194, 261; Bl. [3] 1, 778; J. 1881, 853; J. pr. [2] 32, 624; B. 26, 2225; 28, 2782). — II, 1481.

4) Triphenylmethan-2-Carbonsäure. Sm. 162°. Ag (A. 202, 52; 234, 242; B. 14, 1866; 24, 2573; Bl. [3] 17, 979). — II, 1481.

5) Triphenylmethan-4-Carbonsäure. Sm. 161° (B. 26, 3079). — II, 1482.

6) 1-[ $P$ -Phenylbenzyl]benzol-2-Carbonsäure. Sm. 184—185°. Ag (J. pr. [2] 41, 150). — II, 1482.

7) Benzoat d.  $\alpha$ -Oxydiphenylmethan. Sm. 87,5—89° (A. 133, 20). — II, 1144.

8) Benzoat d. 4-Oxydiphenylmethan. Sm. 86° (G. 3, 254; J. 1873, 440). — II, 1149.

C 78,9 — H 5,2 — O 15,8 — M. G. 304.

1) 9, $P$ -Dioxy-10-Oxyphenyl-9,10-Dihydroanthracen (A. 202, 98). — II, 1116.

2) Methylaurin + H<sub>2</sub>O. 2 + H<sub>2</sub>SO<sub>4</sub> (A. 194, 133; 202, 201; M. 3, 485; 16, 362). — II, 1121.

3) Rosolsäure (A. 179, 184; 196, 91; B. 10, 1201; J. pr. [1] 100, 49). — II, 1121.

4) Isorosolsäure (A. 243, 162). — II, 1028.

5)  $\alpha$ -Oxytriphenylmethan-3-Carbonsäure. Sm. 160—162° (B. 16, 2369). — II, 1723.

6)  $\sigma$ -Oxytriphenylmethan-4-Carbonsäure. Sm. 200°. Ba + 7H<sub>2</sub>O (B. 7, 1210; 19, 2029; 26, 3081). — II, 1723.

7) 2'-Oxytriphenylmethan-4 $\beta$ -Carbonsäure. Sm. 210° (B. 13, 1616). — II, 1724.

8) Laktон d.  $\alpha$ -Aethoxyl- $\alpha$ -Phenyl- $\alpha$ -[2-Oxy-1-Naphtyl]essigsäure. Sm. 145° (B. 31, 2824).

9) Aethylester d.  $\gamma$ -[9-Keto-9,10-Dihydro-10-Phenanthrylen]propen- $\gamma$ -Carbonsäure ( $\alpha$ -Phenanthroxylenacetonäure). Sm. 124° (B. 16, 278; Soc. 58, 8). — II, 1721.

C 75,0 — H 5,0 — O 20,0 — M. G. 320.

1) Phenolcorallin (B. 11, 1427; A. 194, 140). — II, 1121.

2) Farbstoff (aus Corallin) + H<sub>2</sub>O (M. 16, 378, 394).

3) Resorcinphylacein. Sm. 266—268° (J. pr. [2] 48, 397). — II, 1123.

4) Aethylderivat d. 3-Benzoyl-4-Keto-6-Phenyl-3,4-Dihydro-1,2-Pyron. Sm. 159° (Soc. 47, 283). — II, 1909.

5) Acetat d. 5-Oxy-1,3-Diketo-2-Methyl-2,4-Diphenyl-2,3-Dihydro-R-Penten. Sm. 111—112° (A. 284, 268). — III, 321.

6) Diacetat d. 1,3-Dioxy-2-Phenylnaphthalin. Sm. 136—137,5° (A. 296, 17).

7) Diacetat d. 1,4-Dioxy- $P$ -Phenylnaphthalin. Sm. 151,5—152,5° (A. 226, 31). — III, 460.

8)  $P$ -Dioxytriphenylmethan-2-Carbonsäure. Sm. 225° (A. 202, 80). — II, 1910.

9)  $P$ -Dioxytriphenylmethan- $P$ -Carbonsäure. Sm. 184° (B. 14, 1862). — II, 1911.

- $C_{26}H_{16}O_4$  10) Dimethylester d. 1-Phenylnaphthalin-2,3-Dicarbonsäure. Sm. 118 bis 120° (Am. 20, 95).  
 11) Aethylester d. 2-[2-Oxynaphthoxy]benzol-1-Carbonsäure. Sm. 206° (B. 16, 302). — II, 1909.  
 12) Aethylester d. 4,6-Diphenyl-2-Pyron-5-Carbonsäure. Sm. 120 bis 121° (Soc. 75, 253).  
 13) Aethylester d. 9-Ketophenanthen-10-[Acetylmethylenearbonsäure] (Ac. d. Phenanthroxylenacetessigsäure). Sm. 184,5—185,5° u. Zers. (Soc. 43, 28; 59, 14). — II, 1908.  
 14) Aethylester d. Isophenanthroxylenacetessigsäure. Sm. 177° (Soc. 59, 3). — II, 1908.  
 15) Diphenylester d. 1,2-Dihydrobenzol-3,6-Dicarbonsäure. Sm. 175° (A. 258, 26). — II, 1759.  
 16) Diphenylester d. cis, trans-1,4-Dihydrobenzol-1,4-Dicarbonsäure. Sm. 146° (A. 258, 17). — II, 1761.  
 17) Diphenylester d. 1,4-Dihydrobenzol-2,5-Dicarbonsäure. Sm. 191° (A. 258, 31). — II, 1760.
- $C_{20}H_{16}O_5$  C 71,4 — H 4,8 — O 23,8 — M. G. 336.  
 1) 3,4-Methylenäther-2-Acetat d.  $\gamma$ -Keto- $\delta$ -[2-Oxyphenyl]- $\alpha$ -[3,4-Dioxophenyl]- $\alpha$ - $\delta$ -Pentadien. Sm. 144—145° (B. 31, 720).  
 2) Anhydrid d.  $\alpha\beta\beta$ -Tri[1,3-Dioxophenyl]äthan (A. 243, 171). — II, 1045.  
 3)  $\alpha$ -[ $\beta$ -Trioxophenyl]- $\alpha\alpha$ -Diphenylmethan-2'-Carbonsäure (B. 14, 1865). — II, 1986.  
 4)  $\alpha$ -Oxy- $\alpha$ -[2,4-Dioxophenyl]- $\alpha\alpha$ -Diphenylmethan-2'-Carbonsäure (B. 14, 1860). — II, 1986.  
 5)  $\alpha\gamma$ -Lakton d.  $\alpha\delta$ -Dioxy- $\alpha\delta$ -Diphenylbutan- $\beta\gamma$ -Dicarbonsäure- $\beta$ -Monäthylester. Sm. 64—68° (A. 293, 85).  
 6) Dimethylester d. Pulvinsäure. Sm. 141° (138—139°). Piperidinverbindung (B. 13, 1634; A. 282, 40). — II, 2030.  
 7) Monäthylester d. Pulvinsäure. Sm. 127—128° (125—127°) (B. 13, 1633; A. 210, 14; 282, 14; 284, 116, 123). — II, 2030.  
 8) Verbindung (aus Corallin) +  $2\frac{1}{2}$  H<sub>2</sub>O (M. 16, 393). C 68,1 — H 4,5 — O 27,3 — M. G. 352.  
 $C_{20}H_{16}O_6$  1) Gallol (B. 4, 556; A. 209, 264). — II, 1124.  
 2) Pterocarpin. Sm. 152° (Bl. 23, 97; 48, 88; A. ch. [6] 17, 124). — III, 672.  
 3) 2,5-Dimethyläther-3,6-Diphenyläther d. 2,3,5,6-Tetraoxy-1,4-Benzochinon. Sm. 171° (Am. 17, 650). — III, 355.  
 4) Diacetat d.  $\alpha\beta$ -Dioxy- $\gamma\delta$ -Diketo- $\alpha\delta$ -Diphenyl- $\alpha$ -Buten. Sm. 158° (isom. Form. Sm. 124—125°) (B. 27, 719). — III, 317.  
 5) Diacetat d. 3,5-Dioxy-1,7-Dimethyl-9,10-Anthrachinon. Sm. 236 bis 237° (A. 240, 277). — III, 457.  
 6) Diacetat d. Dimethylanthraflavinsäure. Sm. 223° (A. 240, 278). — III, 457.  
 7) Diacetat d. Dimethylbenzdioxyanthrachinon. Sm. 188° (A. 240, 278). — III, 457.  
 8) Triacetat d. 1,2,9-Trioxanthracen. Sm. 188° (B. 14, 1263). — II, 1115.  
 9) Trifacetat d. Verb.  $C_{11}H_{10}O_9$ . Sm. 165° (B. 21, 446). — III, 430.  
 10)  $\alpha\delta$ -Dibenzoyl- $\beta$ -Buten- $\beta\gamma$ -Dicarbonsäure (Diphenacylfumarsäure?). Zers. bei 130°. Ag<sub>2</sub> (A. 299, 58).  
 11) Dehydroanisolessigsäure (C. 1897 [2] 616).  
 12) Dimethylester d. Oxypulvinsäure. Sm. 117° (J. pr. [2] 57, 314).  
 13) Monoäthylester d. Oxypulvinsäure. Sm. 130° (J. pr. [2] 57, 315).  
 14) Verbindung (aus  $\alpha\alpha\beta$ -Tri[1,2-Dioxophenyl]äthan) (A. 243, 183). — II, 1045.  
 15) Verbindung (aus  $\alpha\alpha\beta$ -Tri[1,3-Dioxophenyl]äthan) (A. 243, 177). — II, 1045.  
 16) Verbindung (aus  $\alpha\alpha\beta$ -Tri[1,4-Dioxophenyl]äthan) (A. 243, 187). — II, 1046.  
 $C_{20}H_{16}O_7$  C 65,2 — H 4,3 — O 30,4 — M. G. 368.  
 1) Hydrochinonphthalinsäure (B. 6, 507). — II, 2065.  
 2) Anhydrid d. Diphenylessigweinsäure. Sm. 117,5° (A. ch. [7] 3, 484). — II, 1310.

- $C_{20}H_{16}O_7$  — 3) Diacetylphycion. Sm. 183° (A. 284, 182). — III, 641.  
 4) Diacetat d.  $\beta$ -Trioxy- $\beta$ -Methyl-9,10-Anthrachinonmonomethyläther. Sm. 148° (Soc. 65, 862). — III, 455.  
 5) Diacetat d. Emodinmonomethyläther. Sm. 185—186° (Soc. 65, 932). — III, 454.
- $C_{20}H_{16}O_8$  C 62,5 — H 4,2 — O 33,3 — M. G. 384.  
 1) Lakton d. 2'-Oxy-2,4,4'-Triacetoxydiphenylessigsäure. Sm. 152° (160,5°) (Soc. 69, 1267; 71, 1087).  
 2)  $\alpha$ , $\beta$ -Dilaktion d.  $\alpha$ -Dioxy- $\alpha$ - $\beta$ -Di[5,6-Dimethoxyphenyl]äthen-2,2'-Dicarbonsäure (Tetramethoxylphthalyl). Sm. noch nicht bei 300° (M. 12, 53). — II, 2099.  
 3) Diacetat d. Maleinfluorescein. Sm. 157° (B. 18, 2865). — II, 2050.  
 4) Diacetat d. Kämpferid. Sm. 188—189° (B. 14, 2388). — III, 632.  
 5) Verbindung (aus 1,3-Dioxybenzol). Sm. 210° (Am. 9, 136). — II, 919.  
 6) Verbindung (aus Scoparin) +  $1\frac{1}{2}$  H<sub>2</sub>O. Sm. 297° (M. 15, 351). — III, 648.
- $C_{20}H_{16}O_9$  C 60,0 — H 4,0 — O 36,0 — M. G. 400.  
 1) Purpurogallin (siehe  $C_{18}H_{14}O_9$ ). Na<sub>4</sub>, Ba<sub>2</sub> (J. 1882, 682). — III, 346.  
 2) Triacetylphlobaphen (A. 202, 277). — III, 588.  
 3) Rheumsäure (Z. 1868, 308). — III, 591.
- $C_{20}H_{16}O_{11}$  C 55,6 — H 3,7 — O 40,7 — M. G. 432.  
 1) Acetyl derivat d. Dipyragallolessigsäure + H<sub>2</sub>O (C. 1895 [1] 530).
- $C_{20}H_{16}O_{12}$  C 51,7 — H 3,4 — O 44,8 — M. G. 464.  
 1) Granatgerbsäure (A. 143, 285). — III, 590.
- $C_{20}H_{16}N_2$  C 84,5 — H 5,6 — N 9,9 — M. G. 284.  
 1) 1,2-Di[Benzylidenamido]benzol. Sm. 106° (B. 29, 1499). — IV, 563.  
 2) 1,4-Di[Benzylidenamido]benzol. Sm. 138—140° (B. 11, 599). — IV, 596.  
 3) 4-Amido-1-[1-Naphtyl]amidonaphthalin (A. 243, 303). — IV, 922.  
 4)  $\rho$ -Diamido-1,1-Binaphtyl. 2HCl (B. 19, 2551). — IV, 1073.  
 5)  $\rho$ -Diamidobinaphtyl ( $\alpha$ -Naphtidin). Sm. 198°. 2HCl, (2HCl, PtCl<sub>4</sub>, H<sub>2</sub>SO<sub>4</sub>) (B. 18, 3254). — IV, 1073.  
 6)  $\rho$ -Diamido- $\rho$ -Binaphtyl (Dinaphtylin). Sm. 273°. (2HCl, PtCl<sub>4</sub>) (B. 18, 3257). — IV, 1073.  
 7)  $\alpha$ -Di[1-Naphtyl]hydrazin. Sm. 275° (B. 18, 3253). — IV, 1503.  
 8)  $\alpha$ -Di[2-Naphtyl]hydrazin. Sm. 162—164° (B. 30, 82). — IV, 1504.  
 9)  $\alpha$ -Benzyliden- $\beta$ -Diphenylmethylenhydrazin. Sm. 75° (J. pr. [2] 44, 204). — III, 187.  
 10) 2-Phenyl-1-Benzylbenzimidazol (Phenylbenzaldehydin). Sm. 133 bis 134°. HCl, (2HCl, PtCl<sub>4</sub>, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>) (B. 11, 1653; 29, 1499). — IV, 563.  
 11) 2,2'-Dimethyl-3,3'-Bichinolyl + H<sub>2</sub>O. Sm. 104—105° (144° wasserfrei). (2HCl, PtCl<sub>4</sub>) (B. 25, 1757). — IV, 1073.  
 12) 8,8'-Dimethyl-5,5'-Bichinolyl. Sm. 188°; Sd. 250°. 2HCl, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O). — IV, 1074.  
 13) 2,2'-Dimethyl-8,6'-Bichinolyl (Dichinaldin). Sm. 206—207°; Sd. oberh. 360°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), 2HNO<sub>3</sub>, H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> (A. 242, 326). — IV, 1073.  
 14)  $\alpha$ - $\beta$ -Di[6-Chinolyl]äthan. Sm. 124°. 2HCl + 4H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>, (2HCl, AuCl<sub>3</sub>) (B. 23, 1115). — IV, 1074.  
 15)  $\alpha$ -[2-Chinolyl]- $\beta$ -[6-Chinolyl]äthan. Sm. 106,5° (B. 22, 289). — IV, 1074.  
 16) 2,3-Diphenyl-1,2-Dihydro-1,4-Benzodiazin (Diphenyldihydrochinoxalin). Sm. 146° (148—149°) (HCl, SnCl<sub>4</sub>) (B. 24, 720; 27, 2181). — IV, 1074.  
 17) 1-Phenylamido-3-Methyl- $\beta$ -Naphtochinolin. Sm. 168° (B. 25, 2708). — IV, 1016.  
 18) 2-Phenylamido-5-Methylakridin. Sm. 215—216° (B. 24, 2044). — IV, 1015.  
 19) Tetrahydrochinoxalin. Sm. 272° (B. 29, 83). — IV, 1075.  
 20) Tetrahydrophenanthrochinoxalin. Sm. 202—204° (A. 295, 221). — IV, 482.  
 21) Nitrit d.  $\alpha$ -Phenylamido- $\alpha$ - $\alpha$ -Diphenylessigsäure. Sm. 146,5° (B. 25, 2056). — II, 1465.

$C_{20}H_{16}N_4$ 

- C 76,9 — H 5,1 — N 17,9 — M. G. 312.  
 1) 1,8-Diamidoazonaphtalin. HCl (B. 13, 717). — IV, 1391.  
 2) 8,8'-Dimethyl-5,5'-Asochinolin. Sm. 260° (B. 23, 3677). — IV, 1486.  
 3) 5,7-Diamido-2,3-Diphenyl-1,4-Benzodiazin. Sm. 260° (B. 30, 541). — IV, 1243.  
 4) 6,7-Diamido-2,3-Diphenyl-1,4-Benzodiazin. Sm. 245° (B. 22, 446). — IV, 1244.  
 5) Phenylsazone d. Phenylglyoxal. Sm. 152° (A. 243, 247; J. pr. [2] 49, 406).  
 6) Triphenyldicarbimid. Sm. 70—74°. HCl, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub> + 2H<sub>2</sub>O (B. 23, 1670). — III, 352.  
 $C_{20}H_{17}N$   
 C 88,6 — H 6,3 — N 5,1 — M. G. 271.  
 1)  $\alpha$ -[4-Methylphenyl]imidodiphenylmethan. Sd. oberh. 360° (A. 187, 214). — III, 188.  
 2)  $\alpha$ -Benzylimidodiphenylmethan. Sm. 64° (B. 30, 3007).  
 3)  $\alpha$ -Benzylidenamidodiphenylmethan (Benzylidenbenzhydrylamin). Sm. 98—99° (B. 26, 2169). — III, 31.  
 4) 10-Methyl-5-Phenyl-5,10-Dihydroakridin. Sm. 104° (B. 16, 1815). — IV, 465.

 $C_{20}H_{17}N_3$ 

- C 80,3 — H 5,7 — N 14,0 — M. G. 299.  
 1) 4-Benzylidenamido-1-Phenylhydrazonmethylbensol. Sm. 140° (J. pr. [2] 56, 105). — IV, 753.  
 2)  $\alpha$ -Amido- $\alpha$ -Cinnamylidenhydrazone-[2-Naphthyl]methan (Cinnamyl- $\beta$ -Naphthylhydrazidin). Sm. 170°. Pikrat (A. 298, 37; B. 30, 1880). — IV, 1168.  
 3)  $\alpha$ -Azodibenzylanilin. Sm. 226° (B. 25, 3578). — IV, 1385.  
 4) 5[oder 6]-Amido-2-Phenyl-1-Benzylbenzimidazol (Amidebenzaldchin). Sm. 121°. 2HCl (B. 29, 1502). — IV, 1181.  
 5) 5-Amido-2-Phenyl-1-[2-Methylphenyl]benzimidazol. Sm. 145° (Bl. [3] 17, 870). — IV, 1180.  
 6) 5-Amido-2-Phenyl-1-[4-Methylphenyl]benzimidazol. Sm. 193° (Bl. [3] 17, 870). — IV, 1180.  
 7) 2-[4-Amidophenyl]-1-[4-Methylphenyl]benzimidazol. Sm. 187—188°. +  $\frac{1}{2}$ , C<sub>2</sub>H<sub>6</sub>O, HCl +  $\frac{1}{2}$ , H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + H<sub>2</sub>O (Bl. [3] 19, 28; A. ch. [7] 14, 426). — IV, 1181.  
 8) 5-Phenylamido-2-Methyl-1-Phenylbenzimidazol. Sm. 162—164°. + C<sub>2</sub>H<sub>6</sub>O, HCl, (2HCl, PtCl<sub>4</sub>) (B. 25, 2720). — IV, 1150.  
 9) 6-Phenylamido-2-Methyl-1-Phenylbenzimidazol. Sm. 115° (A. 286, 180). — IV, 1150.  
 10) 1-Phenylhydrazido-3-Methyl- $\beta$ -Naphtochinolin. Sm. 189° (B. 25, 2708). — IV, 1185.

 $C_{20}H_{17}Cl$ 

- 1)  $\beta$ -Chloro- $\alpha$ - $\beta$ -Triphenyläthan. Sm. 84° (A. ch. [6] 12, 272). — II, 289. C 87,6 — H 6,6 — O 5,8 — M. G. 274.  
 2)  $\alpha$ -Oxy- $\alpha$ - $\beta$ -Triphenyläthan. Sm. 87° (C. 1897 [2] 661).  
 3)  $\alpha$ -Oxy- $\beta$ -Methyltriphenylmethan. Sm. 150° (A. 104, 283). — II, 1089.  
 4) 2-Keto- $\beta$ -Dibenzyliden-1-Methyl-R-Pentamethylen. Sm. 149—151° (B. 29, 1601).  
 $C_{20}H_{18}O_2$   
 C 82,8 — H 6,2 — O 11,0 — M. G. 290.

- 1)  $\beta$ -Di[ $\alpha$ -Oxybenzyl]benzol. Sm. 171° (B. 9, 310). — II, 1103.  
 2)  $\alpha$ - $\beta$ -Dioxy- $\alpha$ - $\beta$ -Triphenyläthan. Sm. 164° (C. 1897 [2] 662).  
 3)  $\beta$ -Oxy- $\alpha$ - $\beta$ -Diphenyl- $\alpha$ -[4-Oxyphenyl]äthan. Sm. 161—162° (Soc. 57, 970). — II, 1112.  
 4) Dibensyläther d. 1,2-Dioxybenzol. Sm. 61° (A. 221, 378). — II, 1050.  
 5) Dibensyläther d. 1,3-Dioxybenzol. Sm. 76° (A. 221, 376). — II, 1050.  
 6) Dibensyläther d. 1,4-Dioxybenzol. Sm. 123° (130°) (Bl. [3] 1, 347; A. 221, 370). — II, 940, 1050.  
 7) Säure (aus Polyporsäure). Sm. 156°. Ag<sub>2</sub> (A. 195, 368). — II, 1907. C 78,4 — H 5,9 — O 15,7 — M. G. 306.  
 $C_{20}H_{18}O_3$   
 1) Methyleukaurin (A. 202, 210). — II, 1121.

- $C_{20}H_{18}O_2$
- 2)  $\alpha\alpha\beta$ -Tri[ $\beta$ -Oxyphenyl]äthan. Erweicht bei  $140^\circ$  (*A.* 243, 153). — *II*, 1028.
  - 3) Di[ $\beta$ -Oxyphenyl]-[ $\beta$ -Oxy- $\alpha$ -Methylphenyl]methan (*A.* 179, 198). — *II*, 1028.
  - 4) Phenolphthalol (Dioxidiphenyl-Oxymethylphenylmethan). Sm.  $190^\circ$  (*A.* 202, 87). — *II*, 1115.
  - 5) Triphenyläther d.  $\alpha\alpha\alpha$ -Trioxyäthan (Orthoessigsäure-triphenyläther). Sm. 98—98,5° (*B.* 24, 3678). — *II*, 655.
  - 6) Dibenzoylmesityloxyd? Sm.  $213^\circ$  (*A.* 278, 138).
  - 7) Dehydriodiacetonphenanthrenchinon. Sm.  $179—181^\circ$  (*B.* 17, 2827). — *III*, 448.
  - 8)  $\alpha\gamma$ -Laktон d.  $\alpha$ -Oxy- $\alpha\gamma$ -Diphenyl- $\gamma$ -Heptan- $\delta$ -Oxyd- $\gamma$ -Carbonsäure (Diphenyldibutolakton). Sm. 83—84° (*A.* 288, 193). C 74,5 — H 5,6 — O 19,9 — M. G. 322.
- $C_{20}H_{18}O_4$
- 1) 3, 4-Methylenäther -2-Asthyläther d.  $\gamma$ -Keto- $\alpha$ -[2-Oxyphenyl]- $\alpha$ -[3, 4-Dioxyphenyl]- $\delta$ -Pentadien. Sm.  $100^\circ$  (*B.* 31, 730).
  - 2)  $\beta\epsilon$ -Diketo- $\gamma\delta$ -Dibenzoylhexan. Sm.  $173—175^\circ$  (*B.* 18, 2133). — *III*, 325.
  - 3)  $\alpha\beta\gamma$ -Tetraketo- $\alpha\delta$ -Di[2, 4-Dimethylphenyl]butan. Sm.  $180^\circ$  (*B.* 25, 3475). — *III*, 325.
  - 4)  $\alpha$ -Aethoxyl- $\alpha$ -Phenyl- $\alpha$ -[2-Oxy-1-Naphthyl]essigsäure. Ba (*B.* 31, 2825).
  - 5) Dimethylester d. Polyporsäure. Sm.  $187^\circ$  (*A.* 187, 193). — *II*, 1907.
  - 6) Aethylester d. 1, 3-Diketo-5-Methyl-2-Phenyl-2, 3-Dihydroinden-2-Methylcarbonsäure. Sm. 95—96° (*B.* 29, 2378).
  - 7) Aethylester d. 1, 3-Diketo-2-[3-Methylphenyl]-2, 3-Dihydroinden-2-Methylcarbonsäure. Sm.  $116—118^\circ$  (*B.* 28, 1391). — *II*, 1906.
  - 8) Diphenylester d. cis-1, 2, 3, 4-Tetrahydrobenzol-1, 4-Dicarbonsäure. Sm.  $107^\circ$  (*A.* 258, 39). — *II*, 1733.
  - 9) Diphenylester d. 1, 2, 3, 4-Tetrahydrobenzol-2, 5-Dicarbonsäure. Sm.  $145^\circ$  (*A.* 258, 32). — *II*, 1833.
  - 10) Verbindung (aus Aethyloxanthranol). Sm.  $84^\circ$  (*A.* 212, 92). — *III*, 244.
  - 11) Leukoverbindung d. Farbstoffes  $C_{16}H_{14}O_4$  (aus Corallin) (*M.* 16, 379). C 71,0 — H 5,3 — O 23,7 — M. G. 335.
- $C_{20}H_{18}O_5$
- 1) Tetramethyläther d. Dehydrobrasilin. Sm.  $136—139^\circ$  (*M.* 16, 914). — *III*, 655.
  - 2) Säure (aus d. Verbindung  $C_{20}H_{20}O_4$ ). Sm. 203° u. Zers.  $Ag_2 + H_2O$  (*Soc.* 59, 20). — *II*, 1981.
  - 3) Anhydrid d.  $\beta$ -Benzoylpropionsäure. Fl. (*Bl.* [3] 19, 390).
  - 4) Aethylester d.  $\alpha$ -Benzoyl- $\beta$ -Acetoxy- $\beta$ -Phenylakrylsäure. Fl. (*A.* 282, 184). — *II*, 1896.
  - 5) Aethylester d.  $\beta$ -Keto- $\alpha\alpha$ -Dibenzoylpropan- $\alpha$ -Carbonsäure (Ac. d. Dibenzoylacetessigsäure). Fl. (*A.* 258, 273; 266, 100; 282, 184). — *II*, 1981.
  - 6) Aethylester d. 4[oder 5]-Benzoxyl-1, 6[oder 1, 3]Dimethylbenzofuran-2-Carbonsäure. Sm.  $94—95^\circ$  (*A.* 283, 256). — *III*, 732.
  - 7)  $\alpha$ -Acetat- $\beta$ -Aethyläther d.  $\alpha\beta$ -Dioxy- $\gamma\delta$ -Diketo- $\alpha$ -Diphenyl- $\alpha$ -Buten. Sm.  $121—122^\circ$  (*B.* 25, 3472; 27, 713). — *III*, 317.
  - 8)  $\beta$ -Acetat- $\alpha$ -Aethyläther d.  $\alpha\beta$ -Dioxy- $\gamma\delta$ -Diketo- $\alpha$ -Diphenyl- $\alpha$ -Buten. Sm.  $114—115^\circ$  (*B.* 27, 718). — *III*, 317.
  - 9) Verbindung (aus Cubelin). Sm. 78° (*M.* 8, 469). — *II*, 1114. C 67,8 — H 5,1 — O 27,1 — M. G. 354.
- $C_{20}H_{18}O_6$
- 1)  $\alpha\alpha\beta$ -Tri[1, 2-Dioxyphenyl]äthan (*A.* 243, 181). — *II*, 1044.
  - 2)  $\alpha\alpha\beta$ -Tri[1, 3-Dioxyphenyl]äthan (*A.* 243, 173). — *II*, 1045.
  - 3)  $\alpha\alpha\beta$ -Tri[1, 4-Dioxyphenyl]äthan (*A.* 243, 185). — *II*, 1045.
  - 4) Tetramethyläther d. Dehydrohämatoxilin. Sm.  $202—206^\circ$  (*M.* 16, 910). — *III*, 664.
  - 5) Tri[3-Oxyphenyläther] d.  $\alpha\alpha\alpha$ -Trioxyäthan. Sm.  $155—159^\circ$  u. Zers. (*B.* 24, 3684). — *II*, 917.
  - 6)  $\alpha^{24}$ -Methylenäther- $\gamma^1$ -Aethyläther- $\gamma^2$ -Acetat d.  $\gamma$ -Keto- $\gamma$ -[2, 4-Dioxyphenyl]- $\alpha$ -[3, 4-Dioxyphenyl]propen. Sm.  $100—101^\circ$  (*B.* 31, 704).
  - 7) Hydromethylumbelliferon (oder  $C_{10}H_{10}O_3$ ). Sm.  $257—259^\circ$  (*Am.* 5, 436). — *II*, 1780.
  - 8) Opiaurin (*B.* 20, 873). — *II*, 1942.

- C<sub>20</sub>H<sub>18</sub>O<sub>6</sub>** 9)  $\alpha$ ,2-Laktone d.  $\alpha$ -Oxydiphenylmethan- $\alpha$ ,2'-Tricarbonsäure- $\alpha$ ,2'-Diäthylester. Sm. 108° (A. 242, 234). — II, 2055.  
 10) Diäthylester d. Diphtalylsäure. Sm. 154—155° (A. 242, 225; B. 31, 2650). — II, 2029.  
**C<sub>20</sub>H<sub>18</sub>O<sub>7</sub>** C 64,9 — H 4,8 — O 30,3 — M. G. 370.  
 1) Hydronasäure. Sm. 168—169° (B. 23 [2] 492; 26 [2] 1006). — II, 2055.  
 2) Dibenzat d. Glykogen (J. r. 23, 379). — II, 1143.  
 3) Verbindung (aus Filiksäure) (B. 21, 2066). — II, 1967.
- C<sub>20</sub>H<sub>18</sub>O<sub>8</sub>** C 62,2 — H 4,7 — O 33,1 — M. G. 386.  
 1) Ratanhiaroth (J. 1880, 1060). — III, 591.  
 2) Phloroglucinvanillein (Methyläther d. Oktooxytriphenylmethan) (M. 3, 641). — II, 1046.  
 3) Pyrogallolvanillein (Methyläther d. Oktooxytriphenylmethan) (M. 3, 639). — II, 1046.  
 4) Diacetyl- $\alpha$ -Dikresoldicarbonsäure. Zers. bei 163° (B. 21, 1640). — II, 2023.  
 5) Methylester d. Succinyl-2-Oxybenzol-1-Carbonsäure (A. 89, 362). — II, 1497.  
 6) Dimethylester d. Dibenzoylweinsäure. Sm. 132° (135,5°) (B. 15, 2243; Bl. [3] II, 473; Soc. 69, 1585). — II, 1155.  
 7) Tetramethylester d. 1-Phenylbenzol-2,3,5,6-Tetracarbonsäure. Sm. 130—133° (Am. 20, 105).  
 8) Tetramethylester d. 1-Phenylbenzol- $\beta$ -Tetracarbonsäure. Fl. (Am. 20, 109).  
 9) Tetracetat d. Sappanin (B. 5, 574). — II, 1038.  
 10) Tetracetat d. 1,3,1',3'-Tetraoxibiphenyl. Sm. 157—159° (M. 5, 178; II, 420). — II, 1036.  
 11) Verbindung (aus 1,3-Dioxybenzol) (Am. 9, 136). — II, 919.  
**C<sub>20</sub>H<sub>18</sub>O<sub>9</sub>** C 59,7 — H 4,5 — O 35,8 — M. G. 402.  
 1) Dibenzoylglykuronsäure. Sm. 107° (H. 13, 275). — II, 1155.  
 2)  $\alpha$ ,2-Laktone d.  $\alpha\beta$ -Dioxy- $\alpha\beta$ -Di[5,6-Dimethoxyphenyl]äthen-2,2'-Dicarbonsäure (Tetramethoxydiphtalylaktonssäure). Sm. 284—292° u. Zers. Cu (M. 14, 133). — II, 2099.  
 3) Anhydrid d. Opiansäure. Sm. 234° (A. Spl. 7, 65; M. 4, 262; B. 19, 2286). — II, 1941.  
 4) Monacetat d. Irigenin. Sm. 169° (B. 26, 2014). — III, 596.  
 5) Triacetat d. Baptigenin. Sm. 214—215° (C. 1897 [2] 429, 430).  
**C<sub>20</sub>H<sub>18</sub>O<sub>10</sub>** C 57,4 — H 4,3 — O 38,3 — M. G. 418.  
 1) Hemlockgerbsäure (B. 17, 1041). — III, 634.  
 2)  $\alpha\beta$ -Diketo- $\alpha\beta$ -Di[5,6-Dimethoxyphenyl]äthan-2,2'-Dicarbonsäure (Tetramethoxydiphtalylsäure). Sm. 270° u. Zers. Ba + 3H<sub>2</sub>O (M. 12, 68). — II, 2100.  
**C<sub>20</sub>H<sub>18</sub>N<sub>2</sub>** C 83,9 — H 6,3 — N 9,8 — M. G. 286.  
 1) 2-Benzylidenamido-1-Phenylamidomethylbenzol. Sm. 107—108° (B. 27, 3241). — IV, 637.  
 2) 4-Benzylidenamido-1-[4-Methylphenyl]amidobenzol. Sm. 139° (A. 255, 167). — IV, 596.  
 3)  $\alpha$ -Phenylimido- $\alpha$ -Diphenylamidoäthan (Triphenyläthanamidin) (J. 1865, 415). — II, 347.  
 4)  $\beta$ -Phenylimido- $\beta$ -Phenylamido- $\alpha$ -Phenyläthan. Sm. 107—108°. (2HCl, PtCl<sub>4</sub>) (B. 17, 1427). — IV, 850.  
 5)  $\alpha$ -Benzylimido- $\alpha$ -Phenylamido- $\alpha$ -Phenylmethan. Sm. 100° (B. 23, 3337; 30, 1787; A. 273, 9). — IV, 843.  
 6)  $\alpha$ -[4-Methylphenylimido- $\alpha$ -Phenylamido- $\alpha$ -Phenylmethan. Sm. 133°. HCl, HNO<sub>3</sub>, Pikr. (B. 27, 1701; 28, 871; A. 288, 356). — IV, 844.  
 7)  $\alpha$ -Phenylimido- $\alpha$ -[2-Methylphenyl]amido- $\alpha$ -Phenylmethan. Sm. 110° (A. 273, 10). — IV, 844.  
 8)  $\alpha$ -Phenylimido- $\alpha$ -Phenylamido- $\alpha$ -[4-Methylphenyl]methan. Sm. 168° (B. 21, 2656). — IV, 851.  
 9)  $\alpha$ -Methylimido- $\alpha$ -Diphenylamido- $\alpha$ -Phenylmethan. Fl. HCl, (2HCl, PtCl<sub>4</sub>), Nitrat (A. 192, 16). — IV, 843.  
 10)  $\beta$ -Benzyliden- $\alpha$ -Phenyl- $\alpha$ -Benzylhydrazin. Sm. 111° (A. 252, 289). — IV, 812.

- C<sub>20</sub>H<sub>15</sub>N<sub>2</sub>**
- 11)  $\alpha$ -Diphenylhydrazone- $\alpha$ -Phenyläthan. Sm. 97—98° (A. 239, 222). — IV, 771.
  - 12)  $\beta$ -Phenylhydrazone- $\alpha\alpha$ -Diphenyläthan (A. 248, 102). — IV, 755.
  - 13)  $\alpha$ -Phenylhydrazone- $\alpha\beta$ -Diphenyläthan. Sm. 116° (106°; 135°) (A. 236, 135; 305, 173; Am. 16, 111). — IV, 777.
  - 14)  $\alpha$ -Phenylhydrazone-4-Methyldiphenylmethan. Sm. 109° (B. 26, 26). — IV, 777.
  - 15)  $\alpha$ -Phenyl- $\alpha$ -Biphenylhydrazone[4]äthan(Acetophenonhydrazonbiphenyl). Sm. 148° (B. 27, 3107). — IV, 970.
  - 16) Dilepidin. Fl. HNO<sub>3</sub>. (J. 1878, 891). — IV, 1065.
  - 17) 2,3-[Methylisopropylbiphenylen]-1,4-Diazin (Methylisopropylphenanthrapiazin). Sm. 110—111° (Soc. 63, 1288). — IV, 1064.
  - 18)  $\alpha$ -2,3-Diphenyl-1,2,3,4-Tetrahydro-1,4-Benzodiazin. Sm. 105—106°. HCl (B. 27, 2183). — IV, 1065.
  - 19)  $\beta$ -2,3-Diphenyl-1,2,3,4-Tetrahydro-1,4-Benzodiazin. Sm. 142,5°. HCl (B. 27, 2184). — IV, 1065.
  - 20) Tetrahydrophenanthrothiophydrochinoxalin. Sm. 145,5° (A. 295, 219). — IV, 482.
  - 21) Verbindung (aus d. Verb. C<sub>14</sub>H<sub>11</sub>N<sub>2</sub>). Sm. 114—115° (Am. 21, 57). C 76,4 — H 5,7 — N 17,8 — M. G. 314.
- C<sub>20</sub>H<sub>15</sub>N<sub>4</sub>**
- 1) 1,4-Di[4-Amidobenzylidenamido]benzol. Sm. bei 190° (B. 31, 2254).
  - 2)  $\alpha\beta$ -Di[Phenylhydrazone- $\alpha$ -Phenyläthan]. Sm. 152° (148°) (B. 21, 2496; 22, 2558; A. 243, 247). — IV, 761.
  - 3) Dibenzylglykosin. Sm. 145° (Soc. 51, 555). — II, 523.
  - 4) III-2-Methylformazylbenzol. Sm. 154—155° (B. 31, 1756).
  - 5)  $\alpha$ -Phenylazo- $\alpha$ -[4-Methylphenyl]hydrazone- $\alpha$ -Phenylmethan. Sm. 155° (B. 27, 1691). — IV, 1261.
  - 6)  $\alpha$ -[4-Methylphenyl]azo- $\alpha$ -Phenylhydrazone- $\alpha$ -Phenylmethan. Sm. 155,5° (B. 27, 1690). — IV, 1261.
  - 7) Tetraamidoisobinaphthyl. Sm. 164—167° u. Zers. (Soc. 47, 106). — IV, 1299.
  - 8) 5,5'-Dimethyl-1,1'-Diphenyl-3,3'-Bipyrazol. Sm. 142° (A. 278, 295). — IV, 1262.
  - 9) 5-Amido-2-[4-Amidophenyl]-1-[4-Methylphenyl]benzimidazol. Sm. 252—253°. H<sub>2</sub>SO<sub>4</sub> + 4H<sub>2</sub>O (Bl. [3] 19, 29). — IV, 1288.
  - 10) P-Diamido-2-Phenyl-1-[4-Methylphenyl]benzimidazol. Sm. 213° (Bl. [3] 17, 873). — IV, 1299.
  - 11)  $\alpha$ -Ethylphenosafranin. (2HCl, PtCl<sub>4</sub>, HNO<sub>3</sub> (B. 19, 151). — IV, 1283.
  - 12)  $\beta$ -Ethylphenosafranin. (2HCl, PtCl<sub>4</sub>, HNO<sub>3</sub> (B. 19, 152). — IV, 1283.
  - 13) Dimethylphenosafranin. HCl, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> (Bl. 48, 637). — IV, 1283.
  - 14) Dimethylsafranin. HCl (A. 263, 337). — IV, 1288.
  - 15) Parasafranin. HCl, HJ, HNO<sub>3</sub> (Soc. 35, 728). — IV, 1299.
  - 16) Nitril d. Tri[4-Amidophenyl]methan- $\alpha$ -Carbonsäure (Hydrocyanosafanilin). 3HCl, + HgCl<sub>2</sub> (A. 194, 274; Z. 1866, 2; B. 28, 1698, 1706). — II, 1481.
  - 17) isom. Hydrocyanosafanilin. + Hg(CN)<sub>2</sub>, 2 + Hg(CN)<sub>2</sub> (B. 28, 1705).
  - 18) Safraninfarbstoff. HCl (B. 28, 273). — IV, 1286.
  - 19) Verbindung (aus Aposafranin u.  $\alpha\beta$ -Diamidoäthan) (B. 30, 2491). — IV, 1279.
- C<sub>20</sub>H<sub>15</sub>N<sub>6</sub>**
- 1)  $\alpha$ -Phenylazo- $\alpha$ -[4-Methylphenyl]azo- $\alpha$ -Phenylhydrazonemethan. Sm. 174—175° (B. 27, 1689). — IV, 1492.
  - 2)  $\alpha\alpha$ -Diphenylazo- $\alpha$ -[4-Methylphenyl]hydrazonemethan. Sm. 173—174° (B. 27, 1689). — IV, 1493.
- C<sub>20</sub>H<sub>15</sub>S<sub>3</sub>**
- 1) Triphenyläther d.  $\alpha\alpha\alpha$ -Trimerkaptoäthan. Sm. 71° (B. 25, 353). — II, 784.
  - 2) Triphenyläther d.  $\alpha\alpha\beta$ -Trimerkaptoäthan. Sd. über 300° u. Zers. (B. 27, 3056).
- C<sub>20</sub>H<sub>15</sub>N<sub>8</sub>**
- 1)  $\alpha$ -Methylamidotriphenylmethan. Sm. 73°. (2HCl, PtCl<sub>4</sub> + 6H<sub>2</sub>O) (B. 17, 745). — II, 642.
  - 2) Methylphenylamidotriphenylmethan (B. 15, 1581).
  - 3)  $\beta$ -Amido- $\alpha\alpha\alpha$ -Triphenyläthan. Sm. 116°. HCl (B. 17, 700; A. 296, 254). — II, 643.

- C<sub>20</sub>H<sub>19</sub>N** 4) **Phenyldibenzylamin.** Sm. 67° (70%). HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), Pikrat (B. 20, 1611; 31, 2674; 32, 522). — II, 521.  
C 79,7 — H 6,3 — N 13,9 — M. G. 301.
- C<sub>19</sub>H<sub>19</sub>N<sub>3</sub>** 1) **Phenylimidodi[Phenylamido]äthan** (Acetylentriphenyltriaimin). Sm. 190°. (4HCl, 3HgCl<sub>2</sub>, (2HCl, PtCl<sub>4</sub>) (A. 178, 125; J. r. 6, 148). — II, 348.  
2) **5-Amido-1-Phenylimido-4-[4-Methylphenyl]imido-2-Methyl-1,4-Dihydrobenzol.** Sm. 204° (B. 26, 2781). — III, 359.  
3) **α-Phenylhydrazon-α-[4-Amidophenyl]-α-[4-Methylphenyl]methan.** Sm. 163° (A. 286, 330). — IV, 777.  
4) **Diphenyl-2-Methylphenylguanidin.** Sm. 112°. (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> (A. 286, 367).  
5) **Diphenyl-4-Methylphenylguanidin.** Sm. 128—129°. HCl, (2HCl, PtCl<sub>4</sub>) (B. 2, 459; 19, 2412; A. 286, 357). — II, 488.  
6) **α-Amidotetrahydroazonapthalin.** Sm. 135° (B. 22, 627). — IV, 1389.  
C 72,9 — H 5,8 — N 21,3 — M. G. 329.
- C<sub>20</sub>H<sub>19</sub>N<sub>5</sub>** 1) **Triphenylbiguanid.** Sm. 137—138°. HCl, (2HCl, PtCl<sub>4</sub>) (B. 23, 1672). — II, 353.  
2) **1-[4-Methylphenylazo-4-Methylphenyl]amidodiazobenzol.** Zers. bei 76° (B. 28, 170). — IV, 1572.  
3) **6-[2-Naphtyl]amidoazo-1,2,5-Trimethylbenzimidazol.** Sm. 254 bis 257° u. Zers. (B. 31, 2518). — IV, 1582.  
4) **7-[2-Naphthyl]amidoazo-1,2,5-Trimethylbenzimidazol.** Sm. 258 bis 259° (B. 31, 2521). — IV, 1583.
- C<sub>20</sub>H<sub>19</sub>P** 1) **Phenyldi[4-Methylphenyl]phosphin.** Sm. 57° (B. 21, 1512). — IV, 1671.
- C<sub>20</sub>H<sub>20</sub>O** 1) **Keton** (aus  $\beta\beta'$ -Diketo- $\delta\delta'$ -Diphenylkutan). Sm. 87°; Sd. 330—335° (B. 29, 386). — III, 253.
- C<sub>20</sub>H<sub>20</sub>O<sub>2</sub>** C 82,2 — H 6,8 — O 10,9 — M. G. 292.
- 1) **α'-Phenyl-α<sup>2</sup>o<sup>2</sup>-Di[4-Methylphenyl]methan-α'2-Carbonsäure.** Sm. 172°. Ba + 2*/*H<sub>2</sub>O (Bl. [3] 17, 972).
- C<sub>20</sub>H<sub>20</sub>O<sub>3</sub>** C 77,9 — H 6,4 — O 15,8 — M. G. 308.
- 1) **Propyläther d. Thebenol** (Prothebenol). Sm. 103—105° (B. 32, 187). C 74,1 — H 6,2 — O 19,7 — M. G. 324.
- 1) **Diisosafrol.** Sm. 145° (G. 24 [2] 127). — II, 977.  
2) **Diacetonphenanthrenchinoxin.** Sm. 187° u. Zers. (B. 17, 2826). — III, 448.
- 3) **β-Oxy-αγδ-Triketo-αδ-Di[2,4-Dimethylphenyl]butan** (1,3,4-Xyloyl-formoin). Sm. 155° (B. 25, 3475). — III, 320.
- 4) **β-Oxy-αγδ-Triketo-αδ-Di[2,5-Dimethylphenyl]butan** (1,4,2-Xyloyl-formoin). Sm. 164—168° (B. 27, 602). — III, 321.
- 5) **β-Oxy-αγδ-Triketo-αδ-Di[3,4-Dimethylphenyl]butan** (1,2,4-Xyloyl-formoin). Sm. 140° (B. 27, 659). — III, 321.
- 6) **Bisäthylbenzoylcarbinol.** Sm. 190—192° (B. 28, 3032).
- 7) **β-Aethyläther d. αβ-Dioxy-γδ-Diketo-αδ-[4-Methylphenyl]-α-Buten.** Sm. 140—146° (B. 27, 716). — III, 320.
- 8) **Diäthyläther d. αβ-Dioxy-γδ-Diketo-αδ-Diphenyl-α-Buten.** Sm. 83 bis 84° (B. 27, 717). — III, 317.
- 9) **Monoisoamyläther d. Chrysin.** Sm. 125° (B. 10, 177). — III, 628.
- 10) **o-Kresochinon.** Sm. 64° (C. 1898 [1] 887).
- 11) **p-Kresochinon.** Sm. 62° (C. 1898 [1] 887).
- 12) **Diphenyloxetoncarbonsäure.** Sm. 145—148° u. Zers. Ca, Ba, Ag (A. 288, 198).
- 13) **γ-Polyphenylcrotonsäure.** Sm. 179°. Ca, Ag (A. 227, 258; 228, 177; 256, 74). — II, 1425.
- 14) **Dimethylester d. β-Cocasäure.** Fl. (A. 271, 204). — II, 1404.
- 15) **Dimethylester d. β-Isoatropsäure.** Sm. 91° (B. 21, 2349). — II, 1404.
- 16) **Dimethylester d. α-Truxillsäure.** Sm. 174°; Sd. bei 300° (B. 22, 127). — II, 1901.
- 17) **Dimethylester d. β-Truxillsäure.** Sm. 76° (B. 21, 2348; 22, 2247; Ph. Ch. 10, 421). — II, 1902.
- 18) **Dimethylester d. γ-Truxillsäure.** Sm. 126° (B. 22, 127). — II, 1903.
- 19) **Dimethylester d. δ-Truxillsäure.** Sm. 77° (B. 22, 2250). — II, 1903.

- $C_{20}H_{20}O_4$  20) Monäthylester d.  $\gamma$ -Truxillsäure. Sm. 171—172°. Ag (B. 22, 2243). — II, 1903.  
 21) Monäthylester d.  $\alpha$ -Isoatropasäure. Sm. 186°. Ba (B. 28, 140). — II, 1403.  
 22) Äthylester d.  $\alpha\beta$ -Diketo- $\alpha\beta$ -Diphenylpentan- $\gamma$ -Carbonsäure. Sm. 64° (B. 26, 914). — II, 1900.  
 23) Monäthylester d.  $\alpha\alpha$ -Diphenyl- $\alpha$ -Buten- $\beta\gamma$ -Dicarbonsäure. Sm. 143,5 bis 144,5° (B. 28, 3193).  
 24) Monoäthylester d.  $\beta\delta$ -Diphenyl- $\alpha$ -Buten- $\alpha\gamma$ -Dicarbonsäure. Sm. 98° (Soc. 75, 250).  
 25) Diäthylester d.  $\alpha\beta$ -Diphenyläthen- $\alpha\beta$ -Dicarbonsäure (D. d. Diphenylmaleinsäure) (B. 13, 745). — II, 1897.  
 26) Diäthylester d.  $\alpha\beta$ -Diphenyläthen-2,2'-Dicarbonsäure. Sm. 79—80° (A. 243, 258). — II, 1896.  
 27) Diäthylester d. Säure  $C_{10}H_{10}O_4$ . Fl. (B. 27, 212). — II, 1899.  
 28) Diphenylester d. trans-Hexahydrobenzol-1,4-Dicarbonsäure. Sm. 151° (A. 258, 43). — II, 1834.
- $C_{20}H_{20}O_5$  C 70,6 — H 5,9 — O 23,5 — M. G. 340.  
 1)  $\beta\beta$ -Dioxy- $\alpha\beta\delta$ -Triketo- $\alpha$ -Di[2,5-Dimethylphenyl]butan (1,4,2-Dixylyltetraketon). Sm. 109—110° (B. 27, 662). — III, 325.  
 2)  $\beta\beta$ -Dioxy- $\alpha\beta\delta$ -Triketo- $\alpha$ -Di[3,4-Dimethylphenyl]butan (1,2,4-Dixylyltetraketon). Sm. 108° u. Zers. (B. 27, 660). — III, 325.  
 3)  $\gamma^2$ -Acetat- $\alpha^4$ -Methyläther- $\gamma^4$ -Aethyläther d.  $\gamma$ -Keto- $\gamma$ -[2,4-Dioxyphenyl]- $\alpha$ -[4-Oxyphenyl]propan. Sm. 75° (B. 32, 323).  
 $C_{20}H_{20}O_6$  C 67,4 — H 5,6 — O 27,0 — M. G. 356.  
 1) Pseudocubebin. Sm. 122° (C. 1898 [2] 127).  
 2) Chinhydrondimethyläther (A. 200, 255; B. 12, 1501). — III, 344.  
 3) Guajakblau (C. 1897 [1] 168).  
 4) Bim.  $\beta$ -[2-Methoxyphenyl]akrylsäure (bimere  $\beta$ -Cumarmethyläthersäure). Sm. 260—262° (J. pr. [2] 51, 323). — II, 1629.  
 5) Methylester d. 1- $\alpha\beta$ -Di[Phenacetoxy]propionsäure. Sd. 266—270° (Soc. 69, 111).  
 6) Propylester d. d- $\alpha\beta$ -Dibenzoxylpropionsäure. Sd. 267—269° (Soc. 69, 110).  
 $C_{20}H_{20}O_7$  C 64,5 — H 5,3 — O 30,1 — M. G. 372.  
 1) Guajakgelb. Sm. 115° (C. 1897 [1] 167).  
 2) Dibenzoat d. Dulcitan (BERTHELOT, Chim. org. synth. 2, 193). — II, 1142.  
 3) Dibenzoat d. Mannitan (BERTHELOT, Chim. org. synth. 2, 193). — II, 1142.  
 4) Verbindung (aus 5-Oxy-1,4-Naphthochinon) (B. 18, 474). — III, 380.  
 $C_{20}H_{20}O_8$  C 61,8 — H 5,1 — O 33,0 — M. G. 388.  
 1) Benzoylhelicin (A. 96, 379; 154, 24). — III, 68.  
 2) Triäthyläther d. 1,2,3,5,6,7-Hexaoxy-9,10-Anthrachinon. Sm. 195° (B. 21, 1171; Ph. Ch. 18, 560). — III, 439.  
 3) Diacetat d. 3,4,2',4',6'-Pentaoxydiphenylketontrimethyläther. Sm. 126—127° (B. 25, 1131). — III, 208.  
 4)  $\alpha$ -2-Lakton d.  $\alpha$ -Oxy- $\alpha\beta$ -Di[5,6-Dimethoxyphenyl]äthan-2,2'-Dicarbonsäure (Tetramethoxyldihydrodiphtalylaktionsäure). Sm. 186—187° (M. 14, 137). — II, 2091.  
 $C_{20}H_{20}O_9$  C 59,4 — H 4,9 — O 35,6 — M. G. 404.  
 1) Eichengerbäsure. Sm. 140° (M. 4, 523). — III, 588.  
 2) Ratanhiagerbsäure. Pb (J. 1854, 656; 1880, 1060; A. 143, 274). — III, 590.  
 3) Diacetat d. Barbaloïn (C. 1897 [2] 525).  
 $C_{20}H_{20}O_{10}$  C 57,1 — H 4,8 — O 38,1 — M. G. 420.  
 1) Hydrat d. 4,4'-Di[1,2-Naphthochinon]oxyd (B. 30, 2200).  
 2) Scoparin + 5H<sub>2</sub>O. Sm. 202—219° u. Zers. Ba + 2H<sub>2</sub>O (A. 78, 16; 138, 190; M. 14, 202; 15, 342). — III, 648.  
 3) isom. Scoparin (A. 78, 17). — III, 648.  
 4) Verbindung (Weintraubenzufarbstoff) (Bl. [3] 7, 823).  
 $C_{20}H_{20}O_{11}$  C 55,0 — H 4,6 — O 40,4 — M. G. 436.  
 1)  $\alpha$ -Oxy- $\alpha\alpha$ -Di[5,6-Dimethoxyphenyl]methan- $\alpha$ ,2,2'-Tricarbonsäure. Sm. 140°. Ba<sub>2</sub> + 5H<sub>2</sub>O (M. 12, 72). — II, 2102.  
 2) Verbindung (aus Pyrogallol) (Bl. [3] 19, 829).

- C<sub>20</sub>H<sub>20</sub>O<sub>12</sub>** C 53,1 — H 4,4 — O 42,5 — M. G. 452.  
 1) **Luteinsäure.** Sm. 273—274° (*J. 1870*, 873). — **II, 2107.**
- C<sub>20</sub>H<sub>20</sub>O<sub>14</sub>** C 49,6 — H 4,1 — O 46,3 — M. G. 484.  
 1) **Pentacetylpyrogallolcarbonsäure** (*A. 245*, 39). — **II, 1918.**
- C<sub>20</sub>H<sub>20</sub>O<sub>16</sub>** C 46,5 — H 3,9 — O 49,6 — M. G. 516.  
 1) **Verbindung** (aus Pyrogalol) (*Bl. [3] 19*, 829).
- C<sub>20</sub>H<sub>20</sub>N<sub>2</sub>** C 83,3 — H 6,9 — N 9,7 — M. G. 288.  
 1)  $\alpha\beta$ -Di[ $\gamma$ -Phenylallylideneamido]ethan. Sm. 109—110° (*B. 20*, 271). — **III, 60.**  
 2) **1,2-Di[Phenylamidomethyl]benzol.** Sm. 114° (*B. 17*, 1825; *31*, 1708 Anm.). — **IV, 641.**  
 3) **1,4-Di[2-Methylphenylamido]benzol.** Sm. 135°; Sd. bei 420° (i. H-Strom). 2HCl (*J. pr. [2] 34*, 65). — **IV, 585.**  
 4) **1,3-Di[4-Methylphenylamido]benzol.** Sm. 138—139°. 2HCl (*J. pr. [2] 33*, 219; [2] 51, 333). — **IV, 572.**  
 5) **1,4-Di[4-Methylphenylamido]benzol.** Sm. 182°. 2HCl (*B. 18*, 2810; *J. pr. [2] 33*, 230). — **IV, 586.**  
 6) **4-Amido-1-Benzylamidobenzol** (4-Amidophenyldibenzylamin). Sm. 89—90°. + Benzaldehyd (*B. 20*, 1614). — **IV, 586.**  
 7) **2-Benzylamido-1-Phenylamidomethylbenzol.** Sm. 88°. 2HCl (*B. 27*, 3241). — **IV, 627.**  
 8) **2,5-Diethyl-3,6-Diphenyl-1,4-Diazin.** Sm. 140°. (2HCl, PtCl<sub>4</sub>) (*Bl. [3] 17*, 76). — **IV, 1045.**  
 9) **1-Aethyl-3-[4-Methylphenyl]-2,3-Dihydro- $\alpha$ -Naphthimidazol.** Sm. 175—178° (*B. 27*, 2778). — **IV, 918.**  
 10) **2,3-Diphenyl-5,6,7,8,9,10-Hexahydro-1,4-Benzodiazin.** Sm. 167 bis 169° (*A. 295*, 217). — **IV, 482.**  
 11)  $\alpha\alpha$ -Di[2-Methyl-1-Indolyl]ethan (Aethylidenemethylketol). Sm. 191 (*A. 242*, 376). — **IV, 1046.**  
 12) **2,3-[ $\beta$ -Methylisopropylbiphenyl]-1,4-Dihydro-1,4-Diazin** (1,4-Dihydromethylisopropylphenanthriapiazin). Sm. 77—79° (*Soc. 63*, 1288). — **IV, 1045.**  
 13) **Verbindung** (aus Biacenaphtylidonen) (*A. 290*, 203).  
**C<sub>20</sub>H<sub>20</sub>N<sub>4</sub>** C 76,0 — H 6,3 — N 17,7 — M. G. 316.  
 1) **P-Diamidotetrahydroazonaphtalin.** Sm. 226° u. Zers. (*B. 22*, 959). — **IV, 1401.**  
 2) **Verbindung** (aus Succinazon). Sm. 184—185° u. Zers. (*B. 23*, 1784). — **IV, 758.**  
**C<sub>20</sub>H<sub>20</sub>N<sub>6</sub>** C 69,7 — H 5,8 — N 24,4 — M. G. 344.  
 1)  $\alpha\beta\gamma$ -Tri[Phenylhydrazon]propan. Sm. 166° (*B. 24*, 3258; *27*, 221).  
 2) **5,5'-Diethyl-1,1'-Diphenyl-3,3'-Bi-1,2,4-Triazol.** Sm. 186,5—187°. 2HCl (*B. 22*, 3115). — **IV, 1331.**  
 3) **5,5'-Dimethyl-1,1'-Di[4-Methylphenyl]-3,3'-Bi-1,2,4-Triazol.** Sm. 259—260° (*B. 22*, 3116). — **IV, 1331.**  
 4) **Verbindung** (aus Benzylidenauidoacetone) (*B. 25*, 1566). — **II, 1194.**  
**C<sub>20</sub>H<sub>21</sub>N<sub>5</sub>** C 79,2 — H 6,9 — N 13,9 — M. G. 303.  
 1) **4 $\mathbf{I}$ , 4 $\mathbf{I}'$ , 4 $\mathbf{I}''$ -Triamido-P-Methyltriphenoylemethan** (Leukanilin). Sm. 100°. 3HCl + H<sub>2</sub>O, (6HCl, 3PtCl<sub>4</sub>), 3HNO<sub>3</sub> (*J. 1862*, 349; *A. ch. [6] 2*, 441). — **IV, 1197.**  
 2) **Phenylid[2-Amidobenzyl]amin.** Sm. 187°. (6HCl, SnCl<sub>4</sub>) (*B. 25*, 3584). — **IV, 628.**  
 3)  **$\alpha$ -Phenyl- $\alpha$ -[2-Benzylamidobenzyl]hydrazin.** Sm. 110° (*B. 27*, 3243). — **IV, 1130.**  
**C<sub>20</sub>H<sub>21</sub>N<sub>5</sub>** C 71,5 — H 6,6 — N 21,9 — M. G. 319.  
 1) **P-Di-4-Methylphenylazo-1-Aethylpyrrol.** Sm. 180° (*B. 19*, 2254). — **IV, 1453.**
- C<sub>20</sub>H<sub>22</sub>O** C 86,3 — H 7,9 — O 5,7 — M. G. 278.  
 1) **Propyläther d. 10-Oxy-9-Propylanthracen.** Sm. 72°. Pikrat (*B. 22*, 1070). — **II, 902.**  
 2) **10-Keto-9,9-Dipropyl-9,10-Dihydroanthracen.** Sm. 124° (*B. 22*, 1069). — **III, 250.**  
 3) **Keton** (aus Methyl-o-Xylylketon). Sm. 113° (*J. pr. [2] 41*, 411). — **III, 250.**

$C_{20}H_{22}O_2$ 

- C 81,6 — H 7,5 — O 10,9 — M. G. 294.  
 1)  $\alpha\beta$ -Diketo- $\alpha\beta$ -Diphenyloktan. Sm. 83—85° (C. 1896 [2] 1091).  
 2)  $\beta\gamma$ -Diketo- $\alpha\beta$ -Diphenyloktan. Sm. 161°; Sd. 335—340° (B. 29, 384, 2121). — III, 301.  
 3)  $\alpha\delta$ -Diketo- $\alpha\delta$ -Di[2,4-Dimethylphenyl]butan. Sm. 125° (B. 20, 1375). — III, 301.  
 4)  $\alpha\delta$ -Diketo- $\alpha\delta$ -Di[2,4-Dimethylphenyl]butan. Sm. 123° (B. 20, 1378). — III, 302.  
 5)  $\alpha\beta$ -Diketo- $\alpha\beta$ -Di[4(?)-Isopropylphenyl]äthan. Sm. 84° (B. 14, 325, 610; A. 84, 103; 128, 300). — III, 301.  
 6)  $\alpha$ -Dipropylcarbenzonsäure. Sm. 139° (A. 184, 167). — II, 1477.  
 7)  $\beta$ -Dipropylcarbenzonsäure. Sm. 90° (A. 184, 167). — II, 1477.  
 8) Aethylester d. Diäthylecarbenzonsäure. Sd. 207—209° (A. 184, 166; 261, 300). — II, 1476.  
 C 77,4 — H 7,1 — O 15,5 — M. G. 310.

 $C_{20}H_{22}O_3$ 

- 1) Anhydrid d. 3,4-Dioxy-1-Allylbenzol-3-Methyläther (A. 131, 281). — II, 973.  
 2) Anhydrid d. 1-Isopropylbenzol-4-Carbonsäure. Fl. (A. 87, 77). — II, 1385.  
 3) Aethylester d. Dibenzylacetessigsäure. Sm. 57° (A. 268, 123). — II, 1717.  
 4) Eugenolester d. 1-Isopropylbenzol-4-Carbonsäure (A. 108, 323). — II, 1385.

 $C_{20}H_{22}O_4$ 

- C 73,6 — H 6,7 — O 19,6 — M. G. 326.  
 1) Chekenon. Sm. 204—205° (B. 21 [2] 481). — III, 627.  
 2) Diäthylester d.  $\alpha\delta$ -Diketo- $\alpha\delta$ -Di[4-Oxyphenyl]butan. Sm. 132° (R. 10, 220). — III, 298.  
 3)  $\alpha\beta$ -Diphenylhexan- $\beta\beta$ -Dicarbonsäure (Dibenzyladipinsäure).  $\alpha$ -Modif. Sm. 211—213°. Ag.  $\beta$ -Modif. Sm. 132°. Ag, (Soc. 65, 1021). — II, 1895.  
 4) Superoxyd d. 1-Isopropylbenzol-4-Carbonsäure (J. 1863, 317). — II, 1385.  
 5) Dimethylester d. Hydropolyporsäure (A. 195, 368). — II, 1907.  
 6) Diäthylester d.  $\alpha\alpha$ -Diphenyläthan- $\beta\beta$ -Dicarbonsäure. Sm. 54° (Soc. 59, 731). — II, 1892.  
 7) Diäthylester d.  $\alpha\beta$ -Diphenyläthan- $\alpha\alpha$ -Dicarbonsäure. Sm. 140—141° (136°) (B. 14, 1804; 28, 2448; A. 259, 72). — II, 1891.  
 8) Diäthylester d. Isom.  $\beta\alpha\beta$ -Diphenyläthan- $\alpha\alpha$ -Dicarbonsäure. Sm. 48 bis 49°; Sd. 224° (B. 28, 816). — II, 1890.  
 9) Diäthylester d.  $\alpha\beta$ -Diphenyläthan- $\alpha\beta$ -Dicarbonsäure. Sm. 84—85° (B. 14, 1804; 28, 2449). — II, 1890.  
 10) Diäthylester d.  $\alpha\beta$ -Diphenyläthan-2,2'-Dicarbonsäure. Sm. 69—71° (A. 239, 68). — II, 1889.

 $C_{20}H_{22}O_5$ 

- 11) Acetat d. Ostruthin. Sm. 81° (A. 183, 330). — III, 639.  
 C 70,2 — H 6,4 — O 23,4 — M. G. 342.  
 1) Mangostin. Sm. 190° (A. 93, 83). — III, 637.  
 2) Tetramethyläther d. Brasillin. Sm. 138—139,5° (66—69° amorph) (B. 27, 524; M. 15, 140). — III, 653.  
 3) Anhydrid d. 2-Oxy-1-Isopropylbenzol-4-Carbonsäure (B. 11, 1576). — II, 1582.

 $C_{20}H_{22}O_6$ 

- 4) Diäthylester d.  $\alpha$ -Oxy- $\alpha\beta$ -Diphenyläthan-2,2'-Dicarbonsäure (D. d. Hydrodiphtalylsäure). Fl. (A. 243, 256). — II, 1974.  
 5) Diacetat d. Verb.  $C_{18}H_{18}O_5$  (aus Anethol). Fl. (B. 13, 147). — II, 852.  
 C 67,0 — H 6,1 — O 26,8 — M. G. 358.  
 1)  $\beta\gamma\gamma$ -Tetraoxy- $\alpha\delta$ -Diketo- $\alpha\delta$ -Di[2,4-Dimethylphenyl]butan (B. 25, 347,3). — III, 325.  
 2) Dibenzylidenduretin. Sm. 215—220° (B. 27, 1534). — III, 9.  
 3) Dibenzylidensorbit. Sm. 162° (A. ch. [6] 22, 424). — III, 9.  
 4) Dimethyläther d.  $\alpha$ -Di[2,5-Dioxy-1-Methyl]- $\beta$ -Biphenyldiacetat. Sm. 123° (B. 23, 3249). — II, 956.  
 5) Tetramethyläther d. Hämatoxylin. Sm. 139—140° (M. 15, 143). — III, 664.  
 6) Acetat d. Peruresinotannol (B. 27 [2] 312).  
 7) Dibenzoat d. Mannit. Sm. 132° (B. 21 [2] 737). — II, 1142.

- C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>** 8) kryst. Physodaëure. Sm. 190—192° u. Zers. Pb (*B.* **30**, 1987; *J. pr.* [2] **57**, 416).  
9) amorphe Physodaëure (*J. pr.* [2] **57**, 421).  
10) Diäthylester d. 2-Oxybensoläthylenäther-1-Carbonsäure. Sm. 96 bis 97° (*J. pr.* [2] **21**, 128). — II, **1494**.  
11) Verbindung (aus d. Glykosid C<sub>20</sub>H<sub>22</sub>O<sub>11</sub>). Sm. 70° (*R.* **5**, 127). — III, **600**. C 64,2 — H 5,9 — O 29,9 — M. G. 374.
- C<sub>20</sub>H<sub>22</sub>O<sub>7</sub>** 1) Coccelsäure. Sm. 178° (*A.* **284**, 175; **300**, 356; *J. pr.* [2] **58**, 472). — II, **2059**.  
2) Diäthylester d. 1-Keto-5-Methyl-3-[3,4-Dioxyphenyl]-1,2,3,4-Tetrahydrobenzol-3,4-Methylenäther-2,4-Dicarbonsäure. Sm. 102° (*A.* **303**, 230). C 61,5 — H 5,6 — O 32,8 — M. G. 390.
- C<sub>20</sub>H<sub>22</sub>O<sub>8</sub>** 1) Coccoignin (*Z.* **1870**, 681). — III, **628**.  
2) Populin + 2H<sub>2</sub>O (Benzosat d. Salicin). Sm. 180° (wasserfrei) (*Berz. J.* **11**, 286; *J.* **1852**, 179; *A.* **96**, 375; **101**, 372; **119**, 92; **154**, 5; *B.* **6**, 890; **12**, 1848). — III, **608**.  
3) Hexamethyläther d.  $\alpha\beta$ -Diketo- $\alpha\beta$ -Di[3,4,5-Trioxypheyl]äthan (Hexamethoxybenzil). Sm. 189° (*A.* **263**, 253). — III, **296**.  
4) Diacetat d.  $\alpha$ -Hexaoxybiphenyltetramethyläther. Sm. 217—225° (*A.* **169**, 236). — II, **1041**.  
5) Dibenzosat d. Mannit. Sm. 178° (*A.* **301**, 102).  
6) isom. Dibenzosat d. Mannit. Sm. 132° (*C. r.* **107**, 326). C 56,9 — H 5,2 — O 37,9 — M. G. 422.
- C<sub>20</sub>H<sub>22</sub>O<sub>10</sub>** 1) Erythrin + H<sub>2</sub>O (Zweifach orsellinsaurer Erythrit). Sm. 148° (wasserfrei). Pb, Pb<sub>2</sub>, Pb<sub>3</sub> + 3H<sub>2</sub>O, Pb<sub>5</sub> (*A.* **81**, 64; **68**, 72; **117**, 304; **134**, 255; **139**, 29; **149**, 290; *J. pr.* [2] **57**, 257). — II, **1752**. C 54,8 — H 5,0 — O 40,2 — M. G. 438.
- C<sub>20</sub>H<sub>22</sub>O<sub>11</sub>** 1) Assamar (*A.* **85**, 74; *J.* **1860**, 506). — I, **1107**. C 52,9 — H 4,8 — O 42,3 — M. G. 454.
- C<sub>20</sub>H<sub>22</sub>O<sub>12</sub>** 1) Thujin (*J.* **1858**, 513). — III, **614**.  
2) Diäthylester d. Tetracetoxybenzol-1,4-Dicarbonsäure. Sm. 202° (*B.* **20**, 2798). — II, **2068**.
- C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>** C 52,8 — H 7,6 — N 9,6 — M. G. 290.  
1) Diallylidendi[4-Methylphenyl]diamin. (2HCl, PtCl<sub>4</sub>) (*A.* **140**, 96). — II, **511**.  
2) 2,3,5,6-Tetramethyl-1,4-Dihydro-1,4-Diazin. Sm. 107—108; Sd. 281° (*B.* **20**, 429). — IV, **530**.  
3) 2-Phenyl-1-Benzylhexahydrobenzimidazol. Sm. 132,5° (*B.* **20**, 965; *A.* **295**, 217). — IV, **452**.  
4) Base (aus d. Chlorid C<sub>20</sub>H<sub>16</sub>N<sub>2</sub>Cl). Sd. 260°. (2HCl, PtCl<sub>4</sub>) (*Bl.* [3] **11**, 1037). C 75,5 — H 6,9 — N 17,6 — M. G. 318.
- C<sub>20</sub>H<sub>22</sub>N<sub>4</sub>** 1) 4,4'-Bi[1-Phenyl-3-Methyl-4,5-Dihydropyrazol]. Sd. bei 300°<sub>100</sub> (*B.* **28**, 714).  
2) 5,5'-Bi[1-Phenyl-3-Methyl-4,5-Dihydropyrazol]. Sm. 275—278° (*B.* **26**, 102). — IV, **937**.  
3) 3,6-Di[4-Isopropylphenyl]-1,2,4,5-Tetrasin. Sm. 156—157° (*B.* **30**, 2011). — IV, **1295**.
- C<sub>20</sub>H<sub>22</sub>Cl<sub>2</sub>** 1)  $\beta\beta$ -Dichlor- $\alpha\alpha$ -Di[1,2,4-Trimethylphenyl]äthen. Sm. 118° (*J. pr.* [2] **47**, 48). — II, **255**. C 86,6 — H 8,3 — N 5,0 — M. G. 277.
- C<sub>20</sub>H<sub>22</sub>N** 1)  $\beta$ -Amyl- $\beta$ -Hoxyl-1,2,3,4-Tetrahydrochinolin. Sd. 270—310° (*B.* **17**, 1720). — IV, **211**.  
2) Nitril d.  $\alpha$ -Phenyl- $\alpha$ -Benzyl- $\delta$ -Methylpentan- $\alpha$ -Carbonsäure. Sm. 74°; Sd. 330—350° (*B.* **22**, 1236). — II, **1472**. C 78,7 — H 7,5 — N 13,8 — M. G. 305.
- C<sub>20</sub>H<sub>22</sub>N<sub>5</sub>** 1) 5-Amidooktohydroazonaphtalin. Sm. 141° (*B.* **23**, 1134). — IV, **1389**.  
2) 2,5-Di[4-Isopropylphenyl]-1,3,4-Triazol. Sm. 210° (*B.* **30**, 2011). — IV, **1189**.  
3) 4-Phenylazo-3-Methylolktohydro- $\beta$ -Naphtochinolin. Sm. 97,5—98° (*B.* **24**, 2664). — IV, **1581**.  
4) 5-Phenylazo-3-Methyl-1,2,3,4,7,8,9,10-Oktahydro- $\beta$ -Naphtochinolin (*B.* **24**, 2665). — IV, **1485**.

- C<sub>20</sub>H<sub>23</sub>Cl<sub>3</sub>** 1)  $\beta\beta\beta$ -Trichlor- $\alpha\alpha$ -Di[1, 2, 4-Trimethylphenyl]äthan. Sm. 143° (J. pr. [2] 47, 48). — II, 242.
- C<sub>20</sub>H<sub>23</sub>Br<sub>2</sub>** 1)  $\alpha\beta$ -Dibrom- $\alpha$ -[1, 2, 4-Trimethylphenyl]- $\beta$ -[ $\beta$ -Brom-1, 2, 4-Trimethylphenyl]äthan. Sm. bei 250° (J. pr. [2] 47, 53). — II, 243.
- C<sub>20</sub>H<sub>24</sub>O** 1)  $\alpha$ -Keto- $\alpha\beta$ -Diphenyloktan (Hexyldeoxybenzoin). Sm. 59°; Sd. 344 bis 346° (B. 22, 347). — III, 239.
- 2)  $\alpha$ -Keto- $\alpha\beta$ -Di[4-Isopropylphenyl]äthan. Sm. 58° (B. 14, 325). — III, 239.
- C<sub>20</sub>H<sub>24</sub>O<sub>2</sub>** C 81,0 — H 8,1 — O 10,8 — M. G. 296.
- 1)  $\beta$ -Oxy- $\alpha\alpha$ -Keto- $\alpha\beta$ -Di[4-Isopropylphenyl]äthan (Cuminoïn). Sm. 101° (98°) (B. 14, 324, 609). — III, 239.
- 2) isom. Cuminoïn. Sm. 138° (B. 10, 55). — III, 239.
- 3)  $\alpha$ -Naphtholecampher. Fl. (Bl. [3] 4, 726). — III, 487.
- 4) Benzozat d.  $\delta$ -[4-Oxyphenyl]heptan. Sm. 29,5—30° (J. r. 23, 542). — II, 1148.
- C<sub>20</sub>H<sub>24</sub>O<sub>3</sub>** C 76,9 — H 7,7 — O 15,4 — M. G. 312.
- 1)  $\alpha$ -Oxy- $\alpha\alpha$ -Di[4-Isopropylphenyl]essigsäure (Cuminilsäure). Sm. 119 bis 120°. Ba (B. 14, 326). — II, 1702.
- 2) Disoucugenol. Sm. 180—181° (B. 24, 2875; G. 23 [1] 556). — II, 980.
- 3) Aethyläther d. Resitannol (B. 26 [2] 679). — III, 554.
- 4) Bidiurochinon. Sm. 202—203° (B. 29, 2180).
- 5) Bithymochinon. Sm. 200—201° (B. 10, 2177; 18, 3195; 27, 958). — III, 365.
- 6) Guajakharzsäure (oder C<sub>20</sub>H<sub>26</sub>O<sub>4</sub>). Sm. 86° (C. 1897 [1] 167; M. 18, 719).
- 7) Verbindung (aus Tiglinaldehyd, Guajaköl u. Kreosol) (C. 1897 [1] 168). C 69,8 — H 7,0 — O 23,2 — M. G. 344.
- 1) Physiol. Sm. 145° (J. pr. [2] 57, 415).
- 2) Guajakonsäure. Sm. 74—76° (C. 1897 [1] 167).
- C<sub>20</sub>H<sub>24</sub>O<sub>4</sub>** C 66,7 — H 6,7 — O 26,6 — M. G. 360.
- 1) Tetraäthyläther d. Tetraoxybiphenylchinon + HNO<sub>3</sub> (B. 11, 801; M. 2, 216). — II, 1042.
- 2) Dimethylester d. Dicampherylsäure. Sm. 226—227° (Soc. 75, 182).
- 3) Dimethylester d. Säure C<sub>11</sub>H<sub>20</sub>O<sub>4</sub> (B. 27 [2] 594).
- 4) Diäthylester d. 1-Keto-5-Methyl-3-[2-Methoxylphenyl]-1, 2, 3, 4-Tetrahydrobenzol-2, 4-Dicarbonsäure. Sm. 113° (A. 303, 252).
- 5) Diäthylester d. 1-Keto-5-Methyl-3-[4-Methoxylphenyl]-1, 2, 3, 4-Tetrahydrobenzol-2, 4-Dicarbonsäure. Sm. 103° (A. 303, 248). C 63,8 — H 6,4 — O 29,8 — M. G. 376.
- C<sub>20</sub>H<sub>24</sub>O<sub>5</sub>** 1) Hexamethyläther d. Hexaoxydesoxybenzoïn. Sm. 161—162° (A. 263, 255). — III, 227.
- C<sub>20</sub>H<sub>24</sub>O<sub>6</sub>** C 61,2 — H 6,1 — O 32,7 — M. G. 392.
- 1) Diäthylester d.  $\beta$ -Diketo- $\delta$ -[3, 4-Dioxyphenyl]heptan-3, 4-Methylenäther- $\gamma$ -Dicarbonsäure. Sm. 146—147° (A. 303, 228). C 58,8 — H 5,9 — O 35,3 — M. G. 408.
- 1) Podophyllsäure. Sm. 158—160° (B. 15 [2] 378; 24 [2] 646). — III, 645.
- 2)  $\alpha$ -Oxy- $\alpha$ -Di[ $\beta$ -Trimethoxyphenyl]essigsäure (Hexamethoxylbenzilsäure). Sm. 175° u. Zers. (A. 263, 255). — II, 2090.
- C<sub>20</sub>H<sub>24</sub>O<sub>10</sub>** C 56,6 — H 5,6 — O 37,7 — M. G. 424.
- 1) Tetracetat d. Phenolyglykosid (Am. 5, 171). — II, 656.
- C<sub>20</sub>H<sub>24</sub>O<sub>12</sub>** C 52,6 — H 5,3 — O 42,1 — M. G. 456.
- 1) Tetracetat d. Inulinanhärid (A. 160, 86). — I, 1096.
- C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>** 1) Di[2, 4, 5-Trimethylbenzyliden]hydrazin. Sm. 181° (Bl. [3] 17, 370).
- 2) Di[2, 4, 6-Trimethylbenzyliden]hydrazin. Sm. 171° (Bl. [3] 17, 372).
- 3) Methylidesoxycinchonidin. Sm. 64—65°. (2HCl, PtCl<sub>4</sub>) (B. 31, 2355). C 75,0 — H 7,5 — N 17,5 — M. G. 320.
- 1) Dialyldi[4-Methylphenyl]tetraxon. Sm. 104° (B. 26, 2180). — IV, 1309.
- C<sub>20</sub>H<sub>24</sub>Cl<sub>2</sub>** 1)  $\alpha\beta$ -Dichlor- $\alpha\beta$ -Di[4-Isopropylphenyl]äthan. Sm. 184—185° (B. 10, 54). — II, 242.
- C<sub>20</sub>H<sub>24</sub>Br<sub>2</sub>** 1)  $\alpha\beta$ -Dibrom- $\alpha\beta$ -Di[1, 2, 4-Trimethylphenyl]äthan. Sm. 238—243° u. Zers. (J. pr. [2] 47, 52). — II, 242.

- C<sub>20</sub>H<sub>21</sub>Br<sub>4</sub>** 1) Tetrabromditerebthalen (*Bd.* 50, 420; 51, 119). — II. 220.  
**C<sub>20</sub>H<sub>21</sub>Br<sub>6</sub>** 1) Hexabromditerebthalyl (*Soc.* 54, 161). — II. 176.  
**C<sub>20</sub>H<sub>21</sub>O<sub>26</sub>** 1) Eupatorin = (C<sub>20</sub>H<sub>21</sub>O<sub>26</sub>)x. Zers. bei 250°. HNO<sub>3</sub> (*Am.* 14, 224). — III. 631.  
**C<sub>20</sub>H<sub>21</sub>Br** 1)  $\alpha$ -Brom- $\alpha$ - $\beta$ -Di[1,2,4-Trimethylphenyl]äthan. Sm. 177° (*J. pr.* [2] 47, 52). — II. 242.  
**C<sub>20</sub>H<sub>20</sub>O** C 85,1 — H 9,2 — O 5,7 — M. G. 282.  
 1) 4-Isopropylbenzylidencampher. Sd. 62°; Sd. 230—237°<sub>20</sub> (*B.* 24 [2] 732). — III. 514.  
 2) Di[4-Isopropylbenzyl]äther (Cuminäther). Sd. bei 350° u. Zers. (*G.* 14, 500). — II. 1066.  
**C<sub>20</sub>H<sub>20</sub>O<sub>2</sub>** C 80,5 — H 8,7 — O 10,7 — M. G. 298.  
 1)  $\delta$ -Dioxy- $\delta$ -Diphenyloktan. Sm. 64° (*B.* 6, 499). — II. 1103.  
 2)  $\beta$ -Di[P-Oxyphenyl]oktan. Sm. 83,5° (*J. r.* 23, 503). — II. 996.  
 3)  $\gamma$ -Dioxy- $\delta$ -Diphenyl- $\beta$ -Dimethylhexan. Sm. 96° (*J. pr.* [2] 46, 481). — II. 1103.  
 4)  $\alpha$ -Dioxy- $\alpha$ - $\beta$ -Di[4-Isopropylphenyl]äthan (Hydrocumoin). Sm. 135° (*A.* 137, 104; *B.* 8, 1152; 10, 54; 14, 324; 19, 256). — II. 1103.  
 5) 2,2'-Dioxy-4,4'-Dipropyl-1,1'-Dimethyl-P-Biphenyl. Sm. 154° (*J. r.* 14, 141). — II. 997.  
 6) 3,3'-Dioxy-4,4'-Dipropyl-1,1'-Dimethyl-P-Biphenyl + H<sub>2</sub>O. Sm. 165,5° (160°) (*J. r.* 14, 135; *B.* 23, 2761). — II. 996.  
 7) Dimethyläther d. 5,5'-Dioxy-1,2,4,1',2',4'-Hexamethyl-P-Biphenyl. Sm. 126° (*B.* 17, 2983; 18, 2659). — II. 996.  
 8) Diäthyläther d. 4,4'-Dioxy-3,3'-Diäthylbiphenyl. Sm. 120° (*B.* 17, 475). — II. 996.  
 9) Dipropyläther d. 4,4'-Dioxy-3,3'-Dimethylbiphenyl. Sm. 115° (*B.* 21, 1068). — II. 993.  
 10) Diphenyläther d.  $\alpha$ - $\eta$ -Dioxyoktan. Sd. 240—250°<sub>20</sub>—<sub>25</sub> (*C.* 1899 [1] 26).  
 11) Diphenyläther d.  $\alpha$ - $\eta$ -Dioxyoktan. Sm. 83,5—84° (*C.* 1899 [1] 26).  
**C<sub>20</sub>H<sub>20</sub>O<sub>3</sub>** C 76,4 — H 8,3 — O 15,3 — M. G. 314.  
 1) Toxigenon (*B.* 31, 2459, 2462).  
 2) Acetat d. Cannabinol. Sm. 75° (*C.* 1898 [1] 850).  
**C<sub>20</sub>H<sub>20</sub>O<sub>4</sub>** C 72,7 — H 7,9 — O 19,4 — M. G. 330.  
 1) Tetraäthyläther d. 1,3,1',3'-Tetraoxybiphenyl. Sm. 110° (*B.* 20, 1143). — II. 1036.  
 2) Guajakharzsäure (oder C<sub>20</sub>H<sub>21</sub>O<sub>4</sub>). Sm. 75—80° (83—85%). Na<sub>2</sub> + 2H<sub>2</sub>O, Na + H<sub>2</sub>O, K<sub>2</sub> + 2H<sub>2</sub>O, K + H<sub>2</sub>O, Ba, Pb<sub>2</sub> (*A.* 112, 183; 119, 226; *J.* 1862, 466; *M.* 3, 822; 18, 719; 19, 102; *C.* 1897 [1] 167; *B.* 30, 378). — II. 1877.  
 3) Aethyl-Geraniolester d. Benzol-1,2-Dicarbonsäure (Aethylester d. Rhodinolphatsäure). *Pl.* (*J. pr.* [2] 56, 23).  
**C<sub>20</sub>H<sub>20</sub>O<sub>5</sub>** C 69,3 — H 7,5 — O 23,1 — M. G. 346.  
 1) Opiansäurepseudoester d. Geranol (O. d. Rhodinol). Sm. 48,5° (*B.* 31, 358).  
**C<sub>20</sub>H<sub>20</sub>O<sub>6</sub>** C 66,3 — H 7,2 — O 26,5 — M. G. 362.  
 1) Tetraäthyläther d.  $\alpha$ -Hexaoxybiphenyl. Sm. 176° u. Zers. (*B.* 11, 802). — II. 1041.  
**C<sub>20</sub>H<sub>20</sub>O<sub>7</sub>** C 63,5 — H 6,9 — O 29,6 — M. G. 378.  
 1) Laktonanhydrid d. trans- $\pi$ -Oxycamphersäure. Sm. 205—206° (*Soc.* 69, 942).  
 2) Anhydrid d. cis- $\pi$ -Camphansäure. Sm. 164—165° (*C.* 1896 [2] 248; *Soc.* 69, 946).  
 3) Anhydrid d. trans- $\pi$ -Camphansäure (*C.* 1896 [2] 248; *Soc.* 69, 933).  
 4) Diäthylester d.  $\beta$ -Diketo- $\delta$ -[2-Methoxylphenyl]heptan- $\gamma$ -Dicarbonsäure. Sm. 125° (*A.* 303, 250).  
 5) Diäthylester d.  $\beta$ -Diketo- $\delta$ -[4-Methoxylphenyl]heptan- $\gamma$ -Dicarbonsäure. Sm. 173° (*A.* 303, 247).  
 6) Triäthylester d.  $\delta$ -Keto- $\beta$ -Phenylpentan- $\alpha$ - $\gamma$ -Tricarbonsäure (Tr. d. Malonsäurebenzylidenacetessigsäure). Sm. 148° (*B.* 27, 2330). — II. 2048.  
**C<sub>20</sub>H<sub>20</sub>O<sub>10</sub>** C 56,3 — H 6,1 — O 37,6 — M. G. 426.  
 1) Tetraäthylester d. 3,6-Dioxybenzoldimethyläther-1,2,4,5-Tetracarbonsäure. Sm. 95° (*Am.* 11, 12). — II. 2095.

- C<sub>20</sub>H<sub>26</sub>O<sub>10</sub>**
- Säure (aus Muskatnussöl) + 2H<sub>2</sub>O (B. 6, 149). — III, 543.
- C<sub>20</sub>H<sub>26</sub>N<sub>2</sub>**
- 2,2'-Dimethyl-5,5'-Diisopropylasobenzol (Azocymol). Sm. 86° (J. 1864, 532; J. r. 19, 118). — IV, 1389.
  - 1-Dibenzylamidomethylhexahydrotryptin. Sm. 101—102° (Bl. [3] 13, 158). — IV, 21.
  - $\alpha$ -[2,4-Dimethylphenyl]imido- $\gamma$ -[2,4-Dimethylphenyl]amidobutan. Sm. 147° (B. 29, 1467).
- C<sub>20</sub>H<sub>26</sub>N<sub>4</sub>**
- $\beta$ -Di[Phenylhydrazon]oktan. Sm. 117—118° (G. 28 [2] 265, 283; J. pr. [2] 58, 364, 402).
  - $\delta$ -Di[Phenylhydrazon]oktan. Sm. 96—97° (G. 28 [2] 265; J. pr. [2] 58, 364).
  - $\delta$ -Di[Phenylhydrazon]oktan. Sm. 138° (B. 31, 1219).
  - $\epsilon$ -Di[Phenylhydrazon]- $\beta$ -Methylheptan. Sm. 114° (115°) (B. 22, 2124; G. 28 [2] 266). — IV, 782.
  - $\beta$ -Di[Methylphenylhydrazon]hexan. Sm. 143—144° (G. 253, 23). — IV, 782.
  - bimeres-4-Amido-1-Isopropylbenzolcyanid (A. 66, 145). — II, 550.
  - Di[4-Isopropylbenzonyl]hydrazin. Sm. 193° (B. 30, 2011). — IV, 1289.
  - 4-Dimethylamido-4'-[1-Piperidyl]methylasobenzol. Sm. 109° (A. 259, 44). — IV, 1386.
- C<sub>20</sub>H<sub>26</sub>S<sub>2</sub>**
- Di[2-Methyl-5-Isopropylphenyl]disulfid. Fl. (B. 6, 480). — II, 828.
- C<sub>20</sub>H<sub>26</sub>Hg**
- Quecksilberdi[2-Methyl-5-Isopropylphenyl]. Sm. 134° (B. 10, 1749; 28, 592). — IV, 1712.
- C<sub>20</sub>H<sub>27</sub>N**
- C 85,4 — H 9,6 — N 5,0 — M. G. 281.
  - Di[4-Isobutylphenyl]amin. Sd. 305—315°. (2HCl, PtCl<sub>4</sub>) (B. 20, 1256). — II, 557.
  - Di[2-Methyl-5-Isopropylphenyl]amin. Sd. 344—348°. HCl, (2HCl, PtCl<sub>4</sub>) (B. 20, 1262). — II, 559.
  - Di[3-Methyl-6-Isopropylphenyl]amin. Sd. 340—345°. (2HCl, PtCl<sub>4</sub>) (B. 20, 1260). — II, 560.
  - Di[4-Isopropylbenzyl]amin. Sm. 168°; Sd. 280—300°<sub>100</sub>. HCl, (2HCl, PtCl<sub>4</sub>) (A. SpI. 1, 143; A. 245, 309). — II, 560.
  - C 84,5 — H 9,8 — O 5,6 — M. G. 284.
- C<sub>20</sub>H<sub>26</sub>O**
- 4-Isopropylbenzylcamphor. Sd. 225—230°<sub>100</sub> (B. 24 [2] 732). — III, 514.
- C<sub>20</sub>H<sub>26</sub>O<sub>2</sub>**
- Dicamphochinon. Sm. 128—130°; Sd. 320—325° (G. 23 [2] 316; 27, [1] 182). — III, 501.
  - Dicamphanhexan-1,4-dion. Sm. 192—193°; Sd. 332—335° (G. 27 [1] 169, 203).
  - C 76,0 — H 8,8 — O 15,2 — M. G. 316.
- C<sub>20</sub>H<sub>26</sub>O<sub>3</sub>**
- Oxycopaiwasäure. Pb, Ag (A. 40, 111). — III, 554.
  - Verbindung (aus Harzesenz) (B. 13, 1606). — III, 563.
- C<sub>20</sub>H<sub>26</sub>O<sub>4</sub>**
- Absinthiin +  $\frac{1}{3}$ H<sub>2</sub>O. Sm. 120—125° (J. 1861, 745). — III, 616.
- C<sub>20</sub>H<sub>26</sub>O<sub>5</sub>**
- Elaterin. Sm. 200° (A. 2, 366; 43, 359; J. 1875, 829; Fr. 17, 500; 24, 156; Bl. [3] 17, 85). — III, 630.
  - Diäthylester d.  $\gamma$ -Keto- $\eta$ -Phenyl- $\beta$ -Methylheptan- $\epsilon$ -Dicarbonsäure (D.  $\beta$ -Benzoyl- $\alpha$ -Isomylisobornsteinsäure). Fl. (B. 23, 1500). — II, 1968.
  - C 65,9 — H 7,7 — O 26,4 — M. G. 364.
- C<sub>20</sub>H<sub>26</sub>O<sub>6</sub>**
- Triäthylester d.  $\alpha$ -Phenylpentan- $\beta$  $\beta$  $\gamma$ -Tricarbonsäure. Sd. 336,1° (B. 22, 1818; 23, 654). — II, 2016.
  - Triäthylester d.  $\beta$ -Phenyl- $\beta$ -Methylbutan- $\beta$  $\gamma$  $\gamma$ -Tricarbonsäure. Sd. 336,0° (B. 23, 655, 1943; 24, 1063; Ph. Ch. 10, 575). — II, 2016.
- C<sub>20</sub>H<sub>26</sub>O<sub>15</sub>**
- Amydalinäsäure. Ba (A. 22, 11; 154, 337). — II, 2108.
  - C 48,8 — H 5,7 — O 55,5 — M. G. 492.
- C<sub>20</sub>H<sub>26</sub>O<sub>14</sub>**
- Tetraacetylarabin (Z. 1869, 265). — I, 1101.
  - Tetraacetylinulin (A. 160, 84). — I, 1096.

- C<sub>30</sub>H<sub>38</sub>N<sub>2</sub>** C 81,1 — H 9,4 — N 9,4 — M. G. 296.  
 1) 4,4'-Di[Dialkylamido]biphenyl. Sm. 85°. (2HCl, PtCl<sub>4</sub>) (A. 115, 366; B. 14, 2166). — IV, 963.
- C<sub>30</sub>H<sub>38</sub>N<sub>4</sub>** 2) Dicamphexanazin. Sm. 201—202°. HCl, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>), Pikrat, + HgCl<sub>2</sub> (G. 27 [1] 172).
- C 74,1 — H 8,6 — N 17,3 — M. G. 324.
- C<sub>30</sub>H<sub>38</sub>N** 1) 4,4'-Di[Dialkylamido]azobensol. Sm. 170°. (2HCl, PtCl<sub>4</sub>), 2 + 6J, (4HCN, F:[CN]<sub>3</sub>), Pikrat (M. 3, 710; 4, 285). — IV, 1362.
- 2) Diisobutylphenyltetrasol. Sm. 106—107° (A. 252, 284). — IV, 1308.
- 3) Verbindung (Base aus Chlorhydrinimid). (2HCl, PtCl<sub>4</sub>) (B. 8, 245). C 84,8 — H 10,2 — N 4,9 — M. G. 283.
- C<sub>30</sub>H<sub>38</sub>O** 1) 3-Amyl-2-Hexylchinolin. Sd. 355°. (2HCl, PtCl<sub>4</sub>), Pikrat (B. 17, 1719; 28, 2820). — IV, 343.
- C<sub>30</sub>H<sub>38</sub>O<sub>2</sub>** C 83,9 — H 10,5 — O 5,6 — M. G. 286.
- 1) Verbindung (aus Sandelöl). Sd. 240° (Bl. 37, 303). — III, 549.
- 2) Verbindung (aus Pinakonen). Sm. bei 70° (A. 292, 22).
- C<sub>30</sub>H<sub>38</sub>O<sub>3</sub>** C 79,5 — H 9,9 — O 10,6 — M. G. 302.
- 1)  $\beta\beta$ -Dicampher (Dicamphoryl; Dicamphan-1,4-dion). Sm. 165—166°; Sd. oberh. 350° (G. 23 [2] 327; 27 [1] 159). — III, 501.
- 2) d- $\alpha$ -Dicarvelon. Sm. 148—149° (A. 279, 390; 305, 225; B. 31, 1807). — III, 505.
- 3) 1- $\alpha$ -Dicarvelon. Sm. 148—149° (A. 279, 380; 305, 225). — III, 505.
- 4) 1- $\alpha$ -Dicarvelon. Sm. 120—121° (A. 305, 226).
- 5) d- $\beta$ -Dicarvelon. Sm. 207° (A. 305, 229).
- 6) 1- $\beta$ -Dicarvelon. Sm. 207° (A. 305, 229).
- 7) i- $\beta$ -Dicarvelon. Sm. 168° (A. 305, 229).
- 8) d- $\gamma$ -Dicarvelon. Sm. 126° (A. 305, 230).
- 9) l- $\gamma$ -Dicarvelon. Sm. 126° (A. 305, 230).
- 10) i- $\gamma$ -Dicarvelon. Sm. 112° (A. 305, 231).
- 11) Dieucarvelon. Sm. 172° (A. 305, 236).
- 12) isom. Dieucarvelon. Sm. 128° (A. 305, 236).
- 13) Copaiwasäure. Ca, Pb, Ag (A. 13, 177; 40, 310; J. 1867, 727; M. 2, 516). — II, 1437.
- 14) Metacopaiwasäure. Sm. 126—129° (M. 2, 516). — III, 559.
- 15) Dextropimarsäure. Sm. 210—211°. NH<sub>3</sub>, Na + 5H<sub>2</sub>O, K, Ca + H<sub>2</sub>O, Ba + 9H<sub>2</sub>O, Pb, Ag (A. 34, 272; 148, 143; J. 1869, 510; Bl. 21, 387; B. 11, 447; 17, 1885; 18, 2167, 3331; 19, 2167; 20, 3252; C. 1869 [1] 756). — II, 1437.
- 16) Lävopimarsäure. Sm. 140—150° (B. 20, 3248). — II, 1438.
- 17) Sylvinäsäure. Sm. 162° (129°; 145°) (A. 148, 147; 161, 115; J. 1847/48, 572; 1859, 506; 1861, 390; B. 17, 1885; 18, 2166). — II, 1438.
- 18) Säure (aus Terpentinöl) (J. 1854, 589). — III, 517.
- 19) Isosylvinsäure. Sm. 60,5—62,5° (B. 23, 1921). — II, 1438.
- 20) Verbindung (aus Bromcampher). Sm. 150° (G. 23 [1] 76).
- 21) Verbindung (aus  $\alpha$ -n-Dibromcampher). Sm. 248° (C. 1896 [1] 1168). C 75,5 — H 9,4 — O 15,1 — M. G. 318.
- C<sub>30</sub>H<sub>38</sub>O<sub>5</sub>** 1) Camphanoncamfersäure. Sm. 224—225°. Na, Ag (G. 27 [1] 183).  
 2) Säure (aus Colophonium). Ca, Ba + 2H<sub>2</sub>O, Cu, Ag (J. r. 20, 477). — II, 1674.
- 3) Anhydrid d. Camphoresäure. Sm. 84—85° (C. 1896 [1] 306; Soc. 69, 53).
- 4) Anhydrid d.  $\alpha$ -Dicamphandisäure. Sm. 143—144° (G. 27 [1] 193).
- 5) Anhydrid d.  $\beta$ -cis-Dicamphandisäure. Sm. 162° (G. 27 [1] 191). C 71,8 — H 9,0 — O 19,2 — M. G. 334.
- 1) Arnici (J. 1859, 584; 1860, 544; 1861, 753). — III, 619.
- 2) Prophetherin (Prophetein) (J. 1859, 566).
- 3) Diacetat d. 1,3-Dioxy- $\beta$ -Diisocamylbenzol. Sm. 89° (B. 25, 2653). — II, 972.
- 4) Diacetat d. 1,4-Dioxy- $\beta$ -Diisocamylbenzol. Sm. 116° (B. 25, 2650). — II, 972.
- C<sub>30</sub>H<sub>38</sub>O<sub>6</sub>** C 68,6 — H 8,6 — O 22,8 — M. G. 350.
- 1) Säure (aus Onoketon). Sm. 75—80°. Ag (B. 29, 2990).
- C<sub>30</sub>H<sub>38</sub>O<sub>8</sub>** C 65,6 — H 8,2 — O 26,2 — M. G. 366.
- 1) Attractylin (J. 1873, 846). — II, 2109.

- C<sub>20</sub>H<sub>30</sub>O<sub>8</sub>** C 90,2 — H 7,5 — O 32,2 — M. G. 398.  
1) **Eudesmin.** Sm. 99° (C. 1897 [1] 170).
- C<sub>20</sub>H<sub>30</sub>O<sub>10</sub>** C 55,8 — H 7,0 — O 37,2 — M. G. 430.  
1) **Ciliensäure.** Sm. 242°. Ag<sub>2</sub> (B. 32, 686).  
2) **Tetraäthylester d. β,β'-Diketo-δ-Methylheptan-αγετ-Tetracarbon-säure.** (T. d. Aethylidenbisacetondicarbonsäure). Sm. 115° (A. 288, 356).  
3) **Pentaäthylester d. α-Penten-αβγετ-Pentacarbonsäure.** Sd. 240 bis 250°; (B. 31, 50).  
4) **Farbstoff** (aus *Lithospermum erythrorhizon*). Ba (Soc. 35, 22). — III, 667.
- C<sub>20</sub>H<sub>30</sub>O<sub>12</sub>** C 52,0 — H 6,5 — O 41,5 — M. G. 462.  
1) **Gentiopikrin.** Sm. 120—125° (J. 1862, 483). — III, 585.  
2) **Hexaäthylester d. Aethanhexacarbonsäure.** Sm. 101° (Am. 15, 527; 16, 574).  
C 48,6 — H 6,1 — O 45,3 — M. G. 494.
- C<sub>20</sub>H<sub>30</sub>O<sub>14</sub>** 1) **Tetraäthylester d. Succinylweinsäure.** Fl. (A. Spl. 5, 281). — I, 797.
- C<sub>20</sub>H<sub>30</sub>O<sub>15</sub>** C 47,1 — H 5,9 — O 47,0 — M. G. 510.  
1) **Tracetat d. Milchzucker** (Bl. 12, 209). — I, 1064.  
2) **Tracetat d. Rohrzucker** (Bl. 12, 207). — I, 1069.
- C<sub>20</sub>H<sub>30</sub>N<sub>2</sub>** C 80,5 — H 10,1 — N 9,4 — M. G. 298.  
1) **7-Amido-3-Amyl-2-Hexylchinolin.** Sm. 68—69°. (2HCl, PtCl<sub>4</sub>+4H<sub>2</sub>O), Pikrat (B. 24, 1738). — IV, 944.  
2) **Dicamphandihydropyridinasin** (Dicamphanazin). Sm. 155—156°. HCl, (HCl, AuCl<sub>3</sub>), Pikrat (G. 27 [1] 164).
- C<sub>20</sub>H<sub>30</sub>Br<sub>2</sub>** 1) **Diterpenbenthylidibromid** (Soc. 54, 161). — II, 176.  
2) **Dibrompinakonan.** Sm. 157° (B. 27, 2350; A. 292, 20).
- C<sub>20</sub>H<sub>30</sub>S** 1) **Verbindung** (aus Asphalt). — III, 565.
- C<sub>20</sub>H<sub>30</sub>Cl** 1) **Chlorcampherpinanakanon.** Sm. 75° (B. 27, 2349; A. 292, 6).  
2) **Verbindung** (aus Pinen). Sd. 180—185° (i. V.) (Soc. 55, 47). — III, 519.
- C<sub>20</sub>H<sub>30</sub>Br** 1) **Bromcampherpinanakanon.** Sm. 103° (B. 27, 2349; A. 292, 8).  
C 83,3 — H 11,1 — O 5,6 — M. G. 288.
- C<sub>20</sub>H<sub>30</sub>O** 1) **Cerin.** Sm. 250° (J. 1884, 1461). — III, 627.  
2) **Fluavil.** Sm. 42° (J. 1852, 644; 1859, 518). — III, 552.  
3) **Hämosterin.** Sm. 37—42° (C. 1896 [1] 562).  
4) **Oxycampherpinanakanon.** Sm. 120° (B. 27, 2349; A. 292, 15).  
C 79,0 — H 10,5 — O 10,5 — M. G. 304.
- C<sub>20</sub>H<sub>30</sub>O<sub>2</sub>** 1) **Caryophyllin.** subl. bei 280° (Berl. J. 22, 452; J. 1850, 510; B. 13, 800). — III, 626.  
2) **Laktucerin.** Sm. 210° (HESSE, N. Handwör. d. Ch. 4, 8; J. 1847/48, 824; A. 234, 243). — III, 634.  
3) **Vitin.** Sm. 250—255° u. Zers. NH<sub>4</sub>, Ca, Pb, Cu, Ag (M. 14, 719). — III, 649.  
4) **Glykol d. Kohlenw.** C<sub>20</sub>H<sub>30</sub> (aus Campher). Sm. 150° (B. 27, 2350).  
5) **Phenylester d. Myristinsäure.** Sm. 36°; Sd. 230°<sub>15</sub> (B. 17, 1379). — II, 662.
- C<sub>20</sub>H<sub>30</sub>O<sub>4</sub>** 6) **Verbindung** (aus Terpentinöl) (J. 1854, 589).  
C 71,4 — H 9,5 — O 19,1 — M. G. 336.  
1) **α-Dicamphandisäure.** Ag<sub>2</sub> (G. 27 [1] 194).  
2) **β-cis-Dicamphandisäure.** Sm. 178—180° (G. 27 [1] 191).  
3) **β-trans-Dicamphandisäure.** Sm. 205—206°. K, Ag<sub>2</sub> (G. 27 [1] 188).  
4) **d-Monoborneolester d. Campfersäure.** Sm. 176—177° (B. 23 [2] 284). — III, 471.  
5) **l-Monoborneolester d. Campfersäure.** Sm. 164—166° (B. 23 [2] 284). — III, 471.
- C<sub>20</sub>H<sub>30</sub>O<sub>5</sub>** 6) **Monogeraniolester d. Campfersäure** (J. pr. [2] 53, 44).  
7) **Acetat d. Ammoresitannol** (B. 29 [2] 37).  
8) **Verbindung** (aus Bisabolharz) (C. 1897 [2] 420).  
C 68,2 — H 9,2 — O 22,7 — M. G. 352.
- C<sub>20</sub>H<sub>30</sub>O<sub>6</sub>** 1) **Verbindung** (aus Terpentinöl). Fl. (J. 1854, 589). — III, 517.  
C 65,2 — H 8,7 — O 26,1 — M. G. 368.  
1) **α-Condurangin.** Sm. 60—61° (G. 22 [1] 239). — III, 577.  
2) **Caryophyllinsäure.** Na<sub>2</sub>, Ba + 1½H<sub>2</sub>O, Ag<sub>2</sub> (B. 6, 1053). — III, 626.  
C 62,5 — H 8,3 — O 29,2 — M. G. 384.
- C<sub>20</sub>H<sub>30</sub>O<sub>7</sub>** 1) **Senegenin** (G. 19, 32). — III, 610.

- C<sub>20</sub>H<sub>32</sub>N<sub>2</sub>** C 80,0 — H 10,7 — N 9,3 — M. G. 300.  
 1) Lepamin. Sd. 275°, 2HCl, (2HCl, PtCl<sub>4</sub>) (*J. 1863*, 430). — IV, 314.
- C<sub>20</sub>H<sub>32</sub>S<sub>4</sub>** 1) Thiram aus für d. Dekahydrochinolin. Sm. 80—81° (*B. 23*, 1152). — IV, 56.
- C<sub>20</sub>H<sub>32</sub>O<sub>7</sub>** 1) Melanthin = (C<sub>20</sub>H<sub>32</sub>O<sub>7</sub>)<sub>x</sub> (*J. 1880*, 1077). — III, 597.  
 C 82,7 — H 11,7 — O 5,5 — M. G. 290.
- C<sub>20</sub>H<sub>32</sub>O<sub>10</sub>** 1) Cinchol + H<sub>2</sub>O. Sm. 139° (wasserfrei) (*A. 228*, 294). — II, 1069.  
 2) Cupreol + H<sub>2</sub>O. Sm. 140° (*A. 228*, 291). — II, 1068.
- C<sub>20</sub>H<sub>34</sub>O** 1) Quebrachol + H<sub>2</sub>O. Sm. 125° (*A. 211*, 272). — II, 1063.  
 2) d-Borneoläther. Sd. 285—290° (*B. 11*, 456). — III, 470.  
 3) 1-Bornyläther. Sm. 90—91°; Sd. 322° (*Bl. [3] 11*, 902). — III, 473.  
 4) Geraniöläther. Sm. 187—190° (*A. 157*, 238). — III, 477.  
 5) d-Licarholodäther. Sm. 145—150° (*Bl. [3] 17*, 591).  
 6) 1-Linaloxyd. Sd. bei 320° (*Bl. [3] 9*, 806). — III, 478.  
 7) Verbindung (aus Citronellal). Sd. 185°<sub>10</sub> (*C. 1897* [2], 305).  
 8) Verbindung (aus Onodaphne californica). Sd. 167—168° (*B. 13*, 630). — III, 548.
- C<sub>20</sub>H<sub>34</sub>O<sub>2</sub>** C 78,4 — H 11,1 — O 10,5 — M. G. 306.  
 1) Dibornyl. Sm. 164—166° (*G. 23* [2] 329). — III, 501.  
 2) Dimethylolyl. Sm. 90°; Sd. 330—335° u. Zers. (*Bl. [3] 11*, 616).  
 3) d-Campherpinakon. Sm. 157—158° (*B. 22*, 912; *27*, 234S; *A. 292*, 1; *G. 27* [1] 206).  
 4) 1-Campherpinakon (*A. 292*, 25).  
 5) Isobutyläther d. Benzoressinol. Sm. 210° (*B. 26* [2] 679). — III, 554.  
 6) Verbindung (aus Chlorameisensäureäthylester). Sd. 249° u. Zers. (*J. pr. [2] 6*, 168). — I, 609.  
 7) Verbindung (aus d. Keton C<sub>10</sub>H<sub>16</sub>O aus Isolauronolsäure). Sm. 120° (*C. 1897* [1] 814).
- C<sub>20</sub>H<sub>34</sub>O<sub>3</sub>** C 74,5 — H 10,6 — O 14,9 — M. G. 322.  
 1) Asclepion. Sm. 104° (*A. 69*, 125). — III, 619.  
 2) Pyrolithofellinsäure (*A. 44*, 290). — I, 629.  
 3) Dichromatinsäure. Ba (*H. 4*, 194; *5*, 75; *A. 284*, 92). — I, 629.  
 4) Divalerylendivaleriansäure. Sm. 125,5—128,5°; Sd. 295°. Na, Pb, Zn, Ag (*Z. 1866*, 462; *B. 20*, 2339). — I, 629.  
 5) Anhydrid d. Campholsäure. Sm. 56°; Sd. 209—210°<sub>10</sub> (*Bl. [3] 11*, 610).  
 6) Lakton d. Lithofellinsäure. Sd. 245—248°<sub>10</sub> (*B. 28*, 3047).  
 C 71,0 — H 10,0 — O 18,9 — M. G. 338.
- C<sub>20</sub>H<sub>34</sub>O<sub>4</sub>** 1) Methylester d. Lichesterinsäure. Sm. 96—97° (*C. 1898* [2] 964).  
 2) Monäthylester d. Camphotheticischen Säure. Sd. 135—140°<sub>10</sub> (*Soc. 63*, 504).
- C<sub>20</sub>H<sub>34</sub>O<sub>5</sub>** C 64,9 — H 9,2 — O 25,9 — M. G. 370.  
 1) Norrangiformsäure + H<sub>2</sub>O. Sm. 119° (wasserfrei). Ba<sub>2</sub> (*J. pr. [2] 57*, 279).  
 C 62,2 — H 8,8 — O 29,0 — M. G. 386.
- C<sub>20</sub>H<sub>34</sub>O<sub>7</sub>** 1) Gratiolin (*J. 1858*, 518). — III, 592.  
 C 59,7 — H 8,4 — O 31,8 — M. G. 402.
- C<sub>20</sub>H<sub>34</sub>O<sub>8</sub>** 1) Tetraäthylester d. Oktan- $\alpha\alpha\beta\beta$ -Tetracarbonsäure. Sd. 277—280°<sub>10</sub> (*Soc. 65*, 600).  
 2) Tetraäthylester d. Oktan- $\gamma\gamma\gamma\gamma$ -Tetracarbonsäure. Sm. 93—94° (*Soc. 65*, 1007).  
 3) Tetraäthylester d.  $\beta$ -Methylheptan- $\alpha\alpha\gamma\gamma$ -Tetracarbonsäure. Sd. 273 bis 276°<sub>10</sub> (*Soc. 53*, 201). — I, 562.  
 4) Diäthylester d. Dicaproylweinsäure. Fl. (*Bl. [3] 11*, 314).  
 5) Dipropylester d. norm. Divalerylweinsäure. Sd. 223°<sub>10</sub>, (*Bl. [3] 11*, 313).  
 6) Dipropylester d. Diisovalerylweinsäure. Fl. (*Bl. [3] 11*, 369).  
 7) norm. Dibutylester d. Dibutyrylweinsäure. Sd. 232—234°<sub>10</sub> (*B. 25* [2] 859; *Bl. [3] 9*, 683; *[3] 11*, 312).  
 8) Diisobutylester d. Dibutrylweinsäure. Sd. 221—223°<sub>10</sub> (*B. 25* [2] 859; *Bl. [3] 11*, 367).  
 9) Diisobutylester d. Diisobutyrylweinsäure. Fl. (*Bl. [3] 11*, 369).  
 C 55,3 — H 7,8 — O 36,9 — M. G. 434.
- C<sub>20</sub>H<sub>34</sub>O<sub>10</sub>** 1) Cyclamin. Sm. 236° (*J. 1857*, 518; *1887*, 2305; *A. 185*, 214; *Bl. 32*, 417). — III, 579.
- C<sub>20</sub>H<sub>34</sub>S** 1) Geraniolsulfid. Fl. (*A. 157*, 238). — III, 477.

- C<sub>20</sub>H<sub>35</sub>N** C 83,0 — H 12,1 — N 4,8 — M. G. 289.  
 1) **Dibornylamin.** Sm. 43—44°; Sd. 180—181<sup>15</sup>; HCl, (2HCl, PtCl<sub>4</sub>), (HBr, Br<sub>2</sub>), HNO<sub>3</sub> (A. 269, 354; B. 22, 1851). — **IV**, 56.  
 2) **2,6-Dimethyl-4-Tridekylpyridin.** Sd. 215—217<sup>15</sup>; (2HCl, PtCl<sub>4</sub>) (B. 22, 1758). — **IV**, 140.
- C<sub>20</sub>H<sub>36</sub>O** C 82,2 — H 12,3 — O 5,5 — M. G. 292.  
 1) **Euphorbon.** Sm. 67—68° (J. 1886, 1821). — **III**, 631.
- C<sub>20</sub>H<sub>36</sub>O<sub>2</sub>** C 77,9 — H 11,7 — O 10,4 — M. G. 308.  
 1) **Gallocerin** (B. 28 [2] 613).  
 2) **Alkohol** (aus Dicampholyl). Sm. 50° (Bl. [3] 11, 617).  
 3) **Nonadekin- $\alpha$ -Carbonsäure.** Sm. 69°; Sd. 270<sup>15</sup> (B. 27, 3404).  
 4) **Aethylester d. Leinölsäure.** Sd. 270—275<sup>15</sup> (J. pr. [2] 41, 534). — **I**, 536.
- C<sub>20</sub>H<sub>36</sub>O<sub>4</sub>** C 70,5 — H 10,6 — O 18,8 — M. G. 340.  
 1) **Lithofellinsäure.** Sm. 204—205°; Na, Ba + 10H<sub>2</sub>O, Ag (A. 39, 242; 41, 150; 44, 289; 67, 53; J. 1863, 655; 1880, 831; J. Th. 1879, 241; B. 12, 1925; 28, 3045). — **I**, 695.  
 2) **Acetylricinolsäure.** Fl. (J. pr. [2] 39, 339). — **I**, 613.  
 3) **Diisovalerat d.  $\alpha$ -Dioxy- $\omega$ -Deken.** Sd. 270—280° u. Zers. (B. 12, 318; 24, 1275; 31, 1222; G. 25 [2] 57, 132). — **I**, 429.  
 C 67,4 — H 10,1 — O 22,5 — M. G. 356.
- C<sub>20</sub>H<sub>36</sub>O<sub>5</sub>** 1)  **$\beta$ -Keto- $\delta$ -Acetoxyheptadekan- $\alpha$ -Carbonsäure** (Ketosacetoxystearinsäure). Fl. (B. 27, 3124).  
 C 59,4 — H 8,9 — O 31,7 — M. G. 404.
- C<sub>20</sub>H<sub>36</sub>O<sub>6</sub>** 1) **Convallamaretin** (J. 1868, 519). — **III**, 575.  
 2) **Trilisoamylester d.  $\alpha\beta$ -Dioxyäthan- $\alpha\alpha\beta$ -Tricarbonsäure** (Tr. d. Desoxalsäure) (Z. 1865, 50). — **I**, 857.
- C<sub>20</sub>H<sub>36</sub>Cl<sub>4</sub>** 1) **Bisabolentetrahydrochlorid.** Sm. 79,3° (C. 1897 [2] 428).  
 2) **Tetrahydrochlorid d. Copavabalsamöl.** Sm. 77° (54°) (A. 7, 158; 34, 321). — **III**, 539.
- C<sub>20</sub>H<sub>36</sub>O** C 81,6 — H 12,9 — O 5,4 — M. G. 294.  
 1) **Verbindung** (aus d. Säure C<sub>10</sub>H<sub>18</sub>O<sub>2</sub> aus Petroleum) (B. 24, 1813). — **I**, 523.  
 C 77,4 — H 12,3 — O 10,3 — M. G. 310.
- C<sub>20</sub>H<sub>36</sub>O<sub>2</sub>** 1) **Menthonpinakon.** Sm. 94° (J. pr. [2] 55, 23).  
 2) **x-Nonadekin- $\alpha$ -Carbonsäure?** Sm. 50°; Sd. 267<sup>15</sup>; Na, Ba, Ag (B. 27, 3403).  
 3) **Aethylester d. Oelsäure** (A. 28, 256). — **I**, 526.  
 4) **Aethylester d. Elaidinsäure.** Sd. über 370° u. Zers. (A. 28, 255). — **I**, 527.  
 C 73,6 — H 11,6 — O 14,7 — M. G. 326.
- C<sub>20</sub>H<sub>36</sub>O<sub>3</sub>** 1) **Aethylester d.  $\delta$ -Ketoheptadekan- $\alpha$ -Carbonsäure** (Ae. d. Ketostearinsäure). Sm. 41° (B. 27, 174).  
 2) **Aethylester d.  $\beta$ -Keto- $\gamma$ -Heptyldekan- $\gamma$ -Carbonsäure** (Aethylester d. norm. Diheptylacetasigsäure). Sm. 331—333° (A. 200, 114). — **I**, 613.  
 3) **Aethylester d. Ricinolsäure.** Fl. (A. 64, 123). — **I**, 613.  
 4) **Aethylester d. Pseudoricinolsäure** (C. 1897 [1] 662).  
 5) **Aethylester d. Ricinelaidinsäure.** Sm. 16° (A. 60, 324). — **I**, 613.  
 6) **Bryoidin.** Sm. 135—136° (J. 1875, 860). — **III**, 557.  
 7) **Verbindung** (aus Isovaleraldehyd). Sd. 260—290° (B. 5, 481; 6, 982; 16, 1038). — **I**, 950.  
 C 70,2 — H 11,1 — O 18,7 — M. G. 342.
- C<sub>20</sub>H<sub>36</sub>O<sub>4</sub>** 1) **Aethylester d.  $\delta$ -Keto- $\delta$ -Oxyheptadekan- $\alpha$ -Carbonsäure** (Ae. d. Keto-oxystearinsäure). Sm. 54,5° (B. 27, 3124).  
 2) **Aethylester d. Acetyljalapinolsäure.** Sd. 224—225<sup>15</sup> (J. pr. [2] 57, 451).  
 3) **Diisoamylester d. Oktan- $\alpha$ -Dicarbonsäure** (Diisoamylester d. Sebacinsäure). Sd. über 360° (J. 1876, 577). — **I**, 686.  
 4) **Diacetat d. Cetenglykol.** Sm. 55—56° (B. 23, 2353; A. 143, 270). — **I**, 414.  
 5) **Verbindung** (aus Isobuttersäurealdehyd). Sd. 223—225° (Soc. 43, 95; M. 10, 374). — **I**, 947.

- C<sub>20</sub>H<sub>36</sub>N<sub>2</sub>** C 78,4 — H 12,4 — N 9,1 — M. G. 306.  
 1) **Menthylhydrazonmenthon.** Sm. 92—93°. HCl (*J. pr.* [2] **52**, 424; *J. r.* 27, 544). — **IV**, 486.
- C<sub>20</sub>H<sub>36</sub>Cl<sub>2</sub>** 1) **Dichloreikosen** (Eikosylenchlorid) (*B.* **12**, 72). — **I**, 137.
- C<sub>20</sub>H<sub>36</sub>Br<sub>2</sub>** 1) **Dibromeikosen** (Eikosylenbromid) (*B.* **12**, 73). — **I**, 137.
- C<sub>20</sub>H<sub>36</sub>Cl** 1) **Eikosylenhydrochlorid.** Sd. 225—230° (*B.* **12**, 71). — **I**, 137.
- C<sub>20</sub>H<sub>40</sub>O** 1) **η-Ketoseikosan** (Hexyltridekylketon). Sm. 210—211°<sub>11</sub> (*B.* **15**, 1717). — **I**, 1005.  
 C 76,9 — H 12,8 — O 10,3 — M. G. 312.
- C<sub>20</sub>H<sub>40</sub>O<sub>2</sub>** 1) **Arachinsäure.** Sm. 77° (73,5%). K, Ba, Sr, Cu, Ag (*P.* **90**, 146; *A.* **89**, 1; **97**, 257; **101**, 97; *J. 1857*, 729; **1854**, 1193; *Z.* **1867**, 256; *B.* **16**, 1104; **26**, 644; *J. pr.* [2] **48**, 328, 487; *M.* **16**, 877; **17**, 528). — **I**, 447.  
 2) **Säure** (aus Onoketon). Sm. 73—74° (*B.* **29**, 2990).  
 3) **Aethylester d. Stearinäsure.** Sm. 32,9° (33,7%); Sd. 224° u. Zers. (*A.* **84**, 302; **88**, 292; **91**, 154; *J. 1858*, 301; *C.* **1868** [2] 757). — **I**, 445.  
 4) **Aethylester d. Neurostearinäsure** (*J. pr.* [2] **25**, 27). — **I**, 447.  
 5) **Aethylester d. Dityklossigsäure.** Sd. 275—280°<sub>100</sub> (*A.* **204**, 13). — **I**, 447.  
 6) **Cetylester d. Buttersäure.** Sm. 20°; Sd. 260—270°<sub>100,5</sub> (*A.* **131**, 285). — **I**, 422.  
 7) **Oktadekylester d. Essigsäure.** Sm. 31°; Sd. 222—223°<sub>15</sub> (*B.* **16**, 1722). — **I**, 411.
- C<sub>20</sub>H<sub>40</sub>O<sub>3</sub>** C 73,2 — H 12,2 — O 14,6 — M. G. 328.  
 1) **α-Oxyarachinsäure.** Sm. 91—92°. Na, Ba (*M.* **17**, 534).  
 2) **Aethylester d. β-Oxyheptadekan-α-Carbonsäure** (Ae. d. β-Oxystearinsäure). Sm. 44° (*J. r.* **18**, 44). — **I**, 579.  
 C 69,8 — H 11,6 — O 18,6 — M. G. 344.
- C<sub>20</sub>H<sub>40</sub>O<sub>4</sub>** 1) **Dracoalbar** (*C.* **1898** [2] 713).  
 2) **Aethylester d. d-9-β-Dioxyheptadekan-α-Carbonsäure.** Sm. 128 bis 130° (*Bl.* [3] **13**, 1054).  
 3) **Aethylester d. l-9-β-Dioxyheptadekan-α-Carbonsäure.** Sm. 98—99° (*Bl.* [3] **13**, 1054).  
 4) **Aethylester d. i-9-β-Dioxyheptadekan-α-Carbonsäure** (Ae. d. Dioxystearinäsure). Sm. 98,8—100° (104—106°) (*J. pr.* [2] **40**, 244; *Bl.* [3] **13**, 239). — **I**, 636.
- C<sub>20</sub>H<sub>40</sub>Cl<sub>2</sub>** 1) **Dichloreikosan** (*B.* **12**, 71, 72). — **I**, 137.
- C<sub>20</sub>H<sub>41</sub>O** 2) **Dichloreikosan** (aus d. Kohienw. C<sub>20</sub>H<sub>41</sub>) (*B.* **12**, 73).  
 C 80,5 — H 14,1 — O 5,4 — M. G. 298.
- C<sub>20</sub>H<sub>42</sub>O<sub>2</sub>** 1) **Medicagol.** Sm. 80°; Sd. 395° (*B.* **25** [2] 286). — **I**, 240.  
 C 76,4 — H 13,4 — O 10,2 — M. G. 314.
- C<sub>20</sub>H<sub>42</sub>O<sub>3</sub>** 1) **Verbindung** (aus Dammarharz). Sm. 62° (*B.* **22** [2] 345). — **III**, 555.  
 C 66,3 — H 11,6 — O 22,1 — M. G. 362.
- C<sub>20</sub>H<sub>42</sub>O<sub>5</sub>** 1) **Verbindung** (aus Isovaleraldehyd). Sm. 70° (*B.* **6**, 983, 984). — **I**, 950.  
 C 46,0 — H 8,0 — O 46,0 — M. G. 522.
- C<sub>20</sub>H<sub>43</sub>N** 1) **Panaquilon** (*A.* **90**, 231). — **III**, 639.
- C<sub>20</sub>H<sub>43</sub>N** 1) **α-Diäthylaminodihexadekan** (Cetylidiäthylamin). Sm. 6—8°; Sd. 355°. (2HCl, PtCl<sub>4</sub>) (*B.* **22**, 814). — **I**, 1138.
- C<sub>20</sub>H<sub>44</sub>O<sub>29</sub>** 1) **Säure** (aus Jute). Ba (*Soc.* **41**, 92). — **I**, 1080.
- C<sub>20</sub>H<sub>44</sub>Sb<sub>2</sub>** 1) **Antimontetraisoamyl.** Fl. (*A.* **97**, 321). — **I**, 1516.
- C<sub>20</sub>H<sub>44</sub>Sn** 1) **Zinntetraisoamyl.** Fl. (*A.* **92**, 394). — **I**, 1529.
- C<sub>20</sub>O<sub>4</sub>Cl<sub>3</sub>** 1) **Perchlordisoamylester d. Hexadekachloroktan-α-9-Dicarbonsäure** (P. d. Perchlorsebacinsäure). Sm. 179° (*Soc.* **52**, 802). — **I**, 687.

### C<sub>20</sub>-Gruppe mit drei Elementen.

- C<sub>20</sub>H<sub>4</sub>O<sub>3</sub>Cl<sub>6</sub>** 1) **Tetrachlorfluoresceindichlorid.** Sm. 250° (*A.* **238**, 336). — **II**, 2063.  
**C<sub>20</sub>H<sub>4</sub>O<sub>3</sub>Cl<sub>4</sub>** 1) **Tetrachlorgallein** (*A.* **238**, 337). — **II**, 2088.  
**C<sub>20</sub>H<sub>4</sub>O<sub>5</sub>Br<sub>3</sub>** 1) **Pentabromhydrochinonphthalin.** Sm. über 300° (*B.* **11**, 715; **28**, 2962). — **II**, 2066.

- $C_{20}H_7O_6Br_5$  1) Pentabromresorcinoxalein-anhydrid. Ba (B. 14, 2568). — II, 937.  
 $C_{20}H_7O_6Br_9$  1) Bromderivat d. Verbindung  $C_{20}H_{16}O_6$  (aus  $\alpha\alpha\beta$ -Tri[2,5-Dioxophenyl]-athan) (A. 243, 188). — II, 1046.
- $C_{20}H_7O_{15}N_5$  C 45,7 — H 1,3 — O 39,6 — N 13,3 — M. G. 525.
- $C_{20}H_7NBr_8$  1) Pentanitrofluoran. Sm. noch nicht bei 335° (B. 31, 1744).
- $C_{20}H_7NBr_8$  1) Oktobrom-2,2'-Dinaphthylamin. Sm. oberh. 300° (B. 20, 2621). — II, 603.
- $C_{20}H_7N_2Br_5$  1) Pentabromdinaphthasin. Sm. oberh. 320° (B. 10, 576). — IV, 1084.
- $C_{20}H_8OBr_4$  1) Tetrabrom- $\beta$ -Binaphthylenoxyd (Soc. 59, 1100). — II, 1006.
- $C_{20}H_8O_2N_4$  C 71,4 — H 2,4 — O 9,5 — N 16,7 — M. G. 336.
- $C_{20}H_8O_2Cl_{10}$  1) Nitril d. Triphendioxasindicarbonsäure (B. 30, 998). — IV, 1083.
- $C_{20}H_8O_2Cl_{10}$  1) Verbindung (aus 1, 1, 3, 4-Tetrachlor-2-Keto-1, 2-Dihydronaphthalin u. 1, 1, 3, 3, 4, 4-Hexachlor-2-Keto-1, 2, 3, 4-Tetrahydronaphthalin). Sm. 86—87° (B. 22, 1032). — III, 172.
- $C_{20}H_8O_4Cl_6$  1) Di[2,4,6-Trichlorphenylester] d. Benzol-1,2-Dicarbonsäure. Sm. 193 bis 194° (B. 18, 1164). — II, 1794.
- $C_{20}H_8O_4Cl_4$  1) Tetrachlorfluorescein (A. 238, 333, 360). — II, 2062.
- $C_{20}H_8O_5Cl_{10}$  1) Anhydrid d. 2-Trichloracetylphenyldichloressigsäure. Sm. 224° (A. 300, 200).
- $C_{20}H_8O_5Br_4$  1) Tetrabromfluorescein (Eosin). Salze meist bek. (A. 183, 38; 238, 360; J. 1878, 1185; B. 28, 312, 1576; 29, 2623). — II, 2063.
- $C_{20}H_8O_6N_2$  C 64,5 — H 2,1 — O 25,8 — N 7,5 — M. G. 372.
- $C_{20}H_8O_6N_2$  1) 1,6-Anhydrid d. 3,4-Dimethoxyl-6-Diazobenzol-1,2-Dicarbonsäure. Zers. bei 140—150° (B. 19, 2302). — IV, 1558.
- $C_{20}H_8O_6Br_2$  1) Dibromgallein (A. 209, 205). — II, 2088.
- $C_{20}H_8O_6S_4$  1) Verbindung (aus Trioxophenylendisulfid). Sm. 185° (Bl. [3] 15, 1045).
- $C_{20}H_8O_6J_4$  1) Verbindung (aus Phenol). Sm. 180° (B. 27 [2] 82).
- $C_{20}H_8O_6N_4$  C 53,6 — H 1,8 — O 32,1 — N 12,5 — M. G. 448.
- $C_{20}H_8O_6N_4$  1) Tetranitro- $\beta$ -Binaphthylenoxyd. Sm. 250° u. Zers. (Soc. 59, 1100). — II, 1006.
- $C_{20}H_8O_{15}N_4$  C 46,9 — H 1,6 — O 40,6 — N 10,9 — M. G. 512.
- $C_{20}H_8O_{15}N_4$  1) Tetranitrofluorescein (A. 183, 33; B. 30, 334; M. 19, 150). — II, 2064.
- $C_{20}H_8O_{15}N_6$  C 44,4 — H 1,5 — O 38,5 — N 15,6 — M. G. 540.
- $C_{20}H_8O_{15}N_6$  1) P-Hexanitro-2,2'-Dinaphthyläther. Zers. bei 270° (B. 28, 253). — II, 884.
- $C_{20}H_8O_{14}N_4$  C 45,4 — H 1,5 — O 42,4 — N 10,6 — M. G. 528.
- $C_{20}H_8O_9N_3$  1) Tetranitroresorcinoxalein-anhydrid (B. 14, 2569). — II, 937.
- $C_{20}H_8O_9N_3$  C 55,2 — H 2,1 — O 33,1 — N 10,6 — M. G. 435.
- $C_{20}H_8O_9N_3$  1) Trinitrofluoran. Sm. 250° (B. 31, 1743).
- $C_{20}H_8O_9N_3$  C 51,8 — H 1,9 — O 31,2 — N 15,1 — M. G. 463.
- $C_{20}H_8O_9N_3$  1) Trinitrooxychinakridon. Zers. bei 270—280° (B. 29, 80). — IV, 1087.
- $C_{20}H_9O_{12}N_7$  C 44,5 — H 1,7 — O 35,6 — N 18,2 — M. G. 539.
- $C_{20}H_9O_{12}N_7$  1) P-Hexanitro-2,2'-Dinaphthylamin. K, Ba (B. 20, 2624). — II, 604.
- $C_{20}H_9Cl_4Br_3$  1)  $\alpha$ -Tetrachlortribromdinaphthalin. Sm. 74—76° (A. 160, 69). — II, 193.
- $C_{20}H_9Cl_4Br_3$  2)  $\beta$ -Tetrachlortribromdinaphthalin. Sm. 71—73° (A. 160, 71). — II, 193.
- $C_{20}H_{10}OCl_2$  1) Dichlor- $\alpha$ -Binaphthylenoxyd. Sm. 150—151° (A. 209, 136). — II, 1005.
- $C_{20}H_{10}OCl_2$  2) Dichlor-2,6-[ $\beta$ ]-Binaphthylenoxyd. Sm. 245° (A. 209, 140). — II, 1006.
- $C_{20}H_{10}OBr_2$  1) Dibrom- $\alpha$ -Binaphthylenoxyd. Sm. 257° (A. 209, 137). — II, 1005.
- $C_{20}H_{10}OBr_2$  2) Dibrom-2,6-[ $\beta$ ]-Binaphthylenoxyd. Sm. 247° (B. 26, 833; A. 209, 140). — II, 1006.
- $C_{20}H_{10}O_2Cl_2$  1) Verbindung (aus 2, 4-Dichlor-1-Oxynaphthalin). subl. (B. 21, 891). — II, 859.
- $C_{20}H_{10}O_2Cl_2$  1) Chlorid d. Fluorescein. Sm. 252° (A. 183, 18). — II, 2061.
- $C_{20}H_{10}O_2Br$  1) Dibromfluoran. Sm. 255—258° (A. 212, 350). — II, 1984.
- $C_{20}H_{10}O_2Br_4$  1) P-Tetrabrom-9,9-Dioxy-10-Oxyphenylanthracen (A. 202, 93). — II, 1116.
- $C_{20}H_{10}O_4Cl_4$  1) Dibenzoat d. 2,3,5,6-Tetrachlor-1,4-Dioxybenzol. Sm. 232° (A. 210, 150). — II, 1150.
- $C_{20}H_{10}O_4Cl_4$  2) Di[2,4-Dichlorphenylester] d. Benzol-1,2-Dicarbonsäure. Sm. 108° (J. 1887, 1301). — II, 1794.
- $C_{20}H_{10}O_4Br_4$  1) Tetrabromphenolphthalein. Sm. 220—230° u. Zers. (A. 202, 77). — II, 1984.
- $C_{20}H_{10}O_4Br_4$  2) Tetrabromphenolphthalein. Sm. oberh. 280° (A. 202, 106). — III, 261.
- $C_{20}H_{10}O_4J_4$  1) Tetrajodphenolphthalein. Zers. bei 220° (B. 28, 1606). — II, 1984.

- $C_{20}H_{10}O_2N_2$  C 67,0 — H 2,8 — O 22,3 — N 7,8 — M. G. 358.  
 1) Dinitro- $\alpha$ -Binaphthyleneoxyd. Sm. 270° (A. 209, 137). — II, 1005.  
 2) Dinitro-2,6-[ $\beta$ ]Binaphthyleneoxyd. Sun. 221° (A. 209, 140). — II, 1006.
- $C_{20}H_{10}O_2Cl_2$  1) Dichlorfluorescein (A. 238, 357). — II, 2062.  
 $C_{20}H_{10}O_2Br_2$  1) Dibromfluorescein. Sm. 260—270° (A. 183, 38). — II, 2063.
- $C_{20}H_{10}O_2Cl_4$  1) Tetrachlorfluoresceinsäure (A. 238, 333). — II, 2062.
- $C_{20}H_{10}O_2Br_4$  1) Tetrabromfluoresceinsäure (A. 183, 55). — II, 2063.
- $C_{20}H_{10}O_2Br_6$  1) Hexabromderivat d. Verbindung  $C_{20}H_{10}O_6$  (aus  $\alpha\alpha\beta$ -Tri[1,2-Dioxyphenyl]ithan) (A. 243, 184). — II, 1045.
- 2) Hexabromderivat d. Verbindung  $C_{20}H_{10}O_6$  (aus  $\alpha\alpha\beta$ -Tri[1,3-Dioxyphenyl]ithan) (A. 243, 180). — II, 1045.
- $C_{20}H_{10}O_7N_2$  C 61,5 — H 2,6 — O 28,7 — N 7,2 — M. G. 390.
- 1) 2,7-Dinitrofluoran. Sm. 261—264° (B. 31, 1741).
- $C_{20}H_{10}O_8N_4$  C 55,3 — H 2,3 — O 29,5 — N 12,9 — M. G. 434.  
 1) Tetranitro-1,1'-Binaphthyl (A. 144, 83). — II, 295.  
 2) Tetranitro-2,2'-Binaphthyl. Sm. 150° u. Zers. (Soc. 47, 105). — II, 296.
- $C_{20}H_{10}O_9N_2$  C 56,9 — H 2,4 — O 34,1 — N 6,6 — M. G. 422.
- 1) Dinitrofluorescein (A. 183, 30; B. 30, 332; M. 19, 149). — II, 2064.
- $C_{20}H_{10}O_9N_4$  C 48,2 — H 2,0 — O 38,5 — N 11,2 — M. G. 498.  
 1) Tetranitrophenolphthalein. Sm. 244—245° (B. 27 [2] 593). — II, 1985.  
 2) Tetranitrococaralliphthalein (B. 11, 1428). — II, 1121.
- $C_{20}H_{10}N_2Br_2$  1) Dibromphenanthrenophenazin. Sm. 286° (M. 11, 340). — IV, 1086.
- $C_{20}H_{11}O_5N_3$  C 73,8 — H 3,4 — O 9,8 — N 12,9 — M. G. 325.  
 1) Nitrophenanthrenophenazin. Sm. 251° (B. 21, 2306). — IV, 1086.
- $C_{20}H_{11}O_5N$  C 76,7 — H 3,5 — O 15,3 — N 4,5 — M. G. 313.  
 1) Dinaphthoresorufin (Oxiketodinaphthoizinin). HCl (B. 28, 358). — IV, 476.
- $C_{20}H_{11}O_4Cl_5$  1) Dibenzoz d. Trichlor-1,3-Dioxybenzol. Sm. 133° (J. pr. [2] 17, 340). — II, 1150.  
 2) Dibenzoz d. Trichlor-1,4-Dioxybenzol. Sm. 174° (A. 210, 153). — II, 1150.
- $C_{20}H_{11}O_4Br$  1) 3,4-Methylenäther d.  $\beta$ -Brom-2-Keto-1-[3,4-Dioxybenzyliden]- $\alpha$ -Naphtofuran (B. 30, 1470).
- $C_{20}H_{11}O_4Br_2$  1) Pentabromoresorcinphthalacetin (J. pr. [2] 48, 402). — II, 1123.
- $C_{20}H_{11}O_5N_3$  C 57,0 — H 2,6 — O 30,4 — N 10,0 — M. G. 421.  
 1) Dinitrofluoresceingelb. Na, (B. 30, 332).
- $C_{20}H_{11}O_6N_5$  C 53,4 — H 2,4 — O 28,5 — N 15,6 — M. G. 449.  
 1)  $\beta$ -Tetranitro-2,2'-Dinaphthylamin. Sm. 285—286° (B. 17, 198; 20, 2624). — II, 603.  
 2) 2,4-Diketo-1-[2,4,6-Trinitrophenyl]-3-Phenyl-1,2,3,4-Tetrahydro-1,3-Benzodiazin. Sm. 237—238° (J. pr. [2] 49, 319).
- $C_{20}H_{11}O_6N_3$  C 53,0 — H 2,4 — O 35,3 — N 9,3 — M. G. 506.  
 1) Di[3-Nitrobenzoat] d. 4-Nitro-1,3-Dioxybenzol. Sm. 123° (G. 15, 269). — II, 1150.
- $C_{20}H_{11}ONBr_4$  1) Di[ $\beta$ -Dibrom-2-Naphthylamin. Sm. 245—246° (B. 20, 2621). — II, 603.
- $C_{20}H_{11}ON_4$  C 81,1 — H 4,1 — O 5,4 — N 9,4 — M. G. 296.  
 1)  $\alpha$ -Oxy- $\alpha$ - $\beta$ -Naphthazin. Sm. noch nicht bei 380° (B. 29, 2088). — IV, 1084.  
 2) Oxy- $\alpha$ - $\beta$ -Dinaphthazin (A. 272, 349). — IV, 1084.
- 3) Oxyphenanthrenophenazin. Sm. oberh. 300° (B. 25, 497). — IV, 1086.
- $C_{20}H_{11}OCl_2$  1)  $\beta$ -Chlor-10-Oxy-8-[ $\beta$ -Chlorophenyl]anthracen. Sm. 170° (A. 202, 95). — II, 1094.  
 2) 1,1'Dichlor-2,2'-Dinaphthyläther. Sm. 128° (B. 26, 252). — II, 878.
- $C_{20}H_{11}OBr_2$  1)  $\beta$ -Dibrom-1,1'-Dinaphthyläther. Sm. 158° (B. 26, 254). — II, 860.  
 2)  $\beta$ -Dibrom-2,2'-Dinaphthyläther. Sm. 132°. (+ 3C<sub>6</sub>H<sub>6</sub> Sm. 89°) (B. 26, 252). — II, 880.
- $C_{20}H_{11}O_2N_2$  C 76,9 — H 3,8 — O 10,3 — N 9,0 — M. G. 312.  
 1) 2,3-Difuranyl-1,4-Naphthoisodiazin. Sm. 147° (B. 25, 2844). — IV, 1087.
- $C_{20}H_{11}O_2Cl_2$  1) Phenolphthalideinchlorid. Sm. 156° (A. 202, 109). — III, 261.  
 2) Verbindung (aus Phenolphthalein). Sm. 155—156° (A. 202, 76). — II, 1983.
- $C_{20}H_{11}O_2S$  1) Verbindung (aus Di[2-Oxy- $\beta$ -Naphthyl]sulfid). Sm. 164° (B. 23, 3358). — II, 956.

- $C_{20}H_{12}O_8S$  2) Verbindung (aus Di[2-Oxy- $\alpha$ -Naphthyl]sulfid). Sm. 155° (159–160°) (B. 27, 3000, 3448).
- $C_{20}H_{12}O_8N_2$  C 73,2 – H 3,7 – O 14,6 – N 8,5 – M. G. 328. •  
1) Oxychinakridon. Zers. bei 410° (B. 29, 78). — IV, 1087.  
2) 3-[2-Naphthyl]azo-2-Oxy-1,4-Naphtochinon. Zers. bei 247–248° (B. 30, 2130). — IV, 1481.
- $C_{20}H_{12}O_8Cl_2$  1) Anhydroy- $\beta$ -Dichlor- $\beta$ -Dioxytriphenylmethan-2-Carbonsäure. Sm. 226–230° (A. 183, 21; 212, 352). — II, 1911.
- $C_{20}H_{12}O_8Br_2$  1)  $\alpha$ , $\beta$ -Lakton d.  $\beta$ -Dibrom- $\alpha$ -Oxy- $\beta$ -Oxytriphenylmethan-2-Carbonsäure. Sm. 196° (B. 13, 1615). — II, 1910.
- $C_{20}H_{12}O_8Br_4$  1) Tetrabrommethylaurin. HBr + 2H<sub>2</sub>O (M. 3, 472). — II, 1121.  
2) Tetrabromrosoisäure. Ag<sub>2</sub> (A. 179, 201; B. 17, 1627). — II, 1122.
- $C_{20}H_{12}O_8N_2$  C 69,7 – H 3,5 – O 18,6 – N 8,1 – M. G. 347.  
1)  $\beta$ -Dinitro-1, $\gamma$ -Binaphthyl. Sm. 280° (B. 19, 2550). — II, 295.
- $C_{20}H_{12}O_8N_4$  C 64,5 – H 3,2 – O 17,2 – N 15,1 – M. G. 372.  
1) Dioxybenzodiphenyldipyrazol. Sm. 150° u. Zers. + 2NH<sub>3</sub>, Phenylhydrazinsalz (B. 22, 1291). — IV, 732.
- $C_{20}H_{12}O_8Cl_2$  1) Dibenzosat d. Dichlor-1,3-Dioxybenzol. Sm. 127° (J. pr. [2] 17, 335). — II, 1150.  
2) Dibenzosat d. 2,3-Dichlor-1,4-Dioxybenzol. Sm. 173–174° (G. 24 [2] 379). — II, 1150.  
3) Dibenzosat d. 2,5-Dichlor-1,4-Dioxybenzol. Sm. 185° (A. 210, 150). — II, 1150.  
4) Dibenzosat d. 2,6-Dichlor-1,4-Dioxybenzol. Sm. 105° (B. 16, 1447). — II, 1150.  
5) Di[2-Chlorphenylester] d. Benzol-1,2-Dicarbonsäure. Sm. 95° (J. 1887, 1301). — II, 1794.  
6) Di[4-Chlorphenylester] d. Benzol-1,4-Dicarbonsäure. Sm. 111° (J. 1887, 1301). — II, 1794.
- $C_{20}H_{12}O_8Br_2$  1)  $\alpha$ , $\beta$ -Lakton d.  $\alpha$ -Oxy- $\alpha$ -[ $\beta$ -Dibrom-2,4-Dioxyphenyl]- $\alpha$ -Diphenylmethan-2-Carbonsäure (Dibrombenzolresorcinphthalein). Sm. 219° (B. 14, 1861). — II, 1986.
- $C_{20}H_{12}O_8Br_4$  1) Tetrabromresorcinphenylacetin. Sm. 236° (J. pr. [2] 48, 400). — II, 1123.  
2)  $\beta$ -Tetrabrom- $\beta$ -Dioxytriphenylmethan-2-Carbonsäure. Sm. 205° (A. 202, 85). — II, 1911.
- $C_{20}H_{12}O_8N_2$  C 66,7 – H 3,3 – O 22,2 – N 7,8 – M. G. 360.  
1)  $\beta$ -Dinitro-2,2'-Binaphyläther. Sm. 145° (B. 26, 253). — II, 884.  
2) Dioxim d. 4,4'-Di[1,2-Naphtochinon]oxyd (B. 30, 2202).
- $C_{20}H_{12}O_8J_4$  1) Tetrajodophenolphthalainsäure (B. 28, 1606). — II, 1984.
- $C_{20}H_{12}O_8N_2$  C 63,8 – H 3,2 – O 25,5 – N 7,4 – M. G. 376.  
1)  $\beta$ -Dinitro-1,3-Dibenzoylbenzol.  $\alpha$ -Modif. Sm. 200°;  $\beta$ -Modif. Sm. 100° (B. 13, 322). — III, 304.  
2) Lakton d.  $\alpha$ -Oxy- $\alpha$ -[ $\beta$ -Dinitrotidophenyl]- $\alpha$ -Phenylimethan- $\alpha$ -2-Carbonsäure (Dinitrotidophenylphthalid). 2 isom. Formen (A. 202, 66). — II, 1722.
- $C_{20}H_{12}O_8Cl_2$  1) Dichlorfluoresceinsäure (A. 238, 357). — II, 2062.
- $C_{20}H_{12}O_8N_2$  C 58,8 – H 2,9 – O 31,4 – N 6,9 – M. G. 408.  
1) Dinitrophenolphthalein. Sm. 196° (197°) (B. 27 [2] 593; G. 28 [1] 265). — II, 1985.
- $C_{20}H_{12}O_8N_4$  C 55,0 – H 2,8 – O 29,3 – N 12,8 – M. G. 436.  
1) 1,4-Benzochinon-2,5[ $\beta$ ]-Di[Nitrosamidobenzol-2-Carbonsäure](B. [3] 13, 740). — III, 343.
- $C_{20}H_{12}O_8Br_8$  1) Tetracetat d. Hexabrom-1,3,1',3'-Tetraoxybiphenyl. Sm. 259° (M. 1, 356). — II, 1037.
- $C_{20}H_{12}O_8S$  1) Fluoresceinsulfonsäure. Ca<sub>3</sub> (B. 18, 1129). — II, 2065.  
2) Fluoresceinsulfat. Sm. 140–150° (A. 183, 27). — II, 2062.
- $C_{20}H_{12}O_8Br_4$  1) Tetrabrompurpurogallin. Sm. 202–204° (J. 1882, 683). — III, 346.
- $C_{20}H_{12}O_8N_2$  C 54,5 – H 2,7 – O 36,4 – N 6,4 – M. G. 440.  
1) Dinitrofluoresceinsäure (A. 183, 31). — II, 2064.
- $C_{20}H_{12}O_8N_4$  C 48,0 – H 2,4 – O 38,4 – N 11,2 – M. G. 500.  
1) Tetraniitroresorcinphenylacetin (J. pr. [2] 48, 403). — II, 1123.
- $C_{20}H_{12}O_8S_4$  1)  $\alpha$ -Binaphthyleneoxydtetrasulfonsäure. Ba<sub>2</sub> + 2H<sub>2</sub>O (A. 209, 138). — II, 1005.

- C<sub>20</sub>H<sub>12</sub>O<sub>13</sub>S<sub>4</sub>** 2) **2,6-[β]Binaphtylenoxydertetrasulfonsäure.** Ba<sub>4</sub> + 2H<sub>2</sub>O (Soc. 59, 1008; A. 209, 141). — II, 1006.
- C<sub>20</sub>H<sub>12</sub>O<sub>15</sub>S<sub>3</sub>** 1) **Resorcinoxaleinanhidridtrisulfonsäure.** Ba<sub>5</sub>, Pb<sub>4</sub>, Pb<sub>3</sub> (B. 14, 2569). — II, 937.
- C<sub>20</sub>H<sub>12</sub>N<sub>2</sub>Br<sub>2</sub>** 1) **Verbindung** (aus Oktobrom-p-Tetrolditolyl) (B. 14, 936). — IV, 1035.
- C<sub>20</sub>H<sub>12</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Phtalylamidothiophenol.** Sm. 112° (B. 13, 1233). — II, 1809.
- C<sub>20</sub>H<sub>12</sub>N<sub>4</sub>Cl<sub>2</sub>** 1) **Tetrazodichlorid** (aus ?-Diaminobinaphthyl). + l'TCl<sub>4</sub> (B. 18, 3256). — IV, 1073.
- C<sub>20</sub>H<sub>12</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **Diazohydrocyan-4-Rosanilinchlorid** + 2H<sub>2</sub>O (A. 194, 275). — IV, 1552.
- C<sub>20</sub>H<sub>12</sub>Cl<sub>2</sub>S<sub>2</sub>** 1) **Di[5-Chlor-1-Naphthyl]disulfid.** Sm. 173—174°. — II, 868.
- 2) **Di[8-Chlor-1-Naphthyl]disulfid.** Sm. 110° (B. 23, 963). — II, 868.
- C<sub>20</sub>H<sub>12</sub>F<sub>2</sub>S<sub>2</sub>** 1) **Di[4-Fluor-1-Naphthyl]disulfid.** Sm. 143°. — II, 868.
- C<sub>20</sub>H<sub>12</sub>ON** C 84,8 — H 4,6 — O 5,6 — N 4,9 — M. G. 283.
- C<sub>20</sub>H<sub>12</sub>O<sub>2</sub>N** 1) **Oxy-2-Dinaphthylamin.** Sm. 301° (B. 19, 2244). — II, 886.
- C 80,3 — H 4,3 — O 10,7 — N 4,7 — M. G. 299.
- 1) **2-Nitro-1,1'-Binaphthyl.** Sm. 188° (B. 19, 2550). — II, 295.
- 2) **3-[3,4-Dioxyphenylmethylenäther]-β-Naphtochinolin** (Piperonyl-β-Naphtochinolin). Sm. 178° (B. 27, 2030).
- 3) **Benzoyl d. 9-Oximidofluoren.** Sm. 179° (A. 252, 36). — III, 240.
- 4) **2-Phenyl-α-Naphtochinolin-4-Carbonsäure.** Sm. 300° u. Zers. Na + 1/2H<sub>2</sub>O, Ca + 4H<sub>2</sub>O, Zn, Pb, Cu, Ag (A. 249, 110). — IV, 471.
- 5) **3-Phenyl-β-Naphtochinolin-1-Carbonsäure.** Sm. 296° u. Zers. Na + 5H<sub>2</sub>O, K + 5H<sub>2</sub>O, Ca + 6H<sub>2</sub>O, Zn + 2H<sub>2</sub>O, Cu + H<sub>2</sub>O, Ag (A. 249, 129). — IV, 471.
- 6) **5-Phenylakridin-3-Carbonsäure.** Sm. 252—255°. Ba, Ag (A. 239, 62). — IV, 471.
- 7) **5-Phenylakridin-5'-Carbonsäure.** Na, HCl (A. 224, 45). — IV, 470.
- 8) **Lakton d. α-Oximido-α'-Phenyl-β'-Biphenylmethan-α'2-Carbon-säure.** Sm. 180° (A. 257, 99). — II, 1726.
- C<sub>20</sub>H<sub>12</sub>O<sub>2</sub>N<sub>3</sub>** C 73,4 — H 4,0 — O 9,8 — N 12,8 — M. G. 327.
- 1) **6-Nitro-2,3-Diphenyl-1,4-Benzodiazin.** Sm. 188° (A. 292, 254). — IV, 1079.
- C<sub>20</sub>H<sub>12</sub>O<sub>2</sub>N** C 76,2 — H 4,1 — O 15,2 — N 4,4 — M. G. 315.
- 1) **3-[1-Naphthyl]amido-2-Oxy-1,4-Diketo-1,4-Dihydronaphtalin.** Sm. 174° (A. 286, 74). — III, 385.
- 2) **3-[2-Naphthyl]amido-2-Oxy-1,4-Diketo-1,4-Dihydronaphtalin.** Sm. 178° (A. 286, 75). — III, 385.
- 3) **3-[2-Oxyphenyl]-β-Naphtochinolin-1-Carbonsäure.** Sm. 226° (B. 27, 2029). — IV, 471.
- 4) **3-Oxy-5-Phenylakridin-5'-Carbonsäure.** Sm. oberh. 250° (B. 24, 2048). — IV, 471.
- 5) **Phenylamidoformiat d. 1-Oxy-9-Ketofluoren.** Sm. 148—149° (B. 31, 3034).
- C<sub>20</sub>H<sub>12</sub>O<sub>4</sub>N** C 72,5 — H 3,9 — O 19,3 — N 4,2 — M. G. 331.
- 1) **Imidohydrochinonphaltein.** Sm. noch nicht bei 310° (B. 28, 2961).
- 2) **Lakton d. Acetyl diphenylketipinsäuremononitril.** Sm. 141—142° (A. 282, 57). — II, 2032.
- 3) **Acetat d. Anhydridoketodihydroindenoxim.** Zers. oberh. 180° (A. 277, 370). — III, 276.
- C<sub>20</sub>H<sub>12</sub>O<sub>4</sub>N<sub>3</sub>** C 66,9 — H 3,6 — O 17,8 — N 11,7 — M. G. 359.
- 1) **2-Dinitro-2,2'-Dinaphthylamin.** Sm. 224—225° (B. 17, 197; 20, 2623). — II, 603.
- 2) **2-Carboxyphenylamid d. 5-Keto-5,10-Dihydro-α-Chinochinolin-3-Carbonsäure.** Sm. 336°. Ba (B. 28, 125). — IV, 1020.
- C<sub>20</sub>H<sub>12</sub>O<sub>4</sub>N<sub>5</sub>** 1) **Verbindung** (aus 4-Nitro-1-Amidonaphthalin) (A. 183, 234). — IV, 1574.
- C<sub>20</sub>H<sub>12</sub>O<sub>5</sub>Cl** 1) **Dibenzot d. 2-Chlor-1,3-Dioxybenzol.** Sm. 98° (J. pr. [2] 17, 327). — II, 1150.
- 2) **Dibenzot d. 2-Chlor-1,4-Dioxybenzol.** Sm. 130° (A. 210, 142; B. 13, 1428). — II, 1150.
- C<sub>20</sub>H<sub>12</sub>O<sub>5</sub>N<sub>5</sub>** C 64,0 — H 3,5 — O 21,3 — N 11,2 — M. G. 375.
- 1) **2-Dinitro-β-Acetyl amidochrysene.** Sm. 160° u. Zers. (B. 24, 952). — II, 643.

- $C_{20}H_{15}O_6N$  C 66,1 — H 3,6 — O 26,4 — N 3,9 — M. G. 363.  
 1) 2,6-Diphenylpyridin-2<sup>1</sup>,3,4-Tricarbonsäure. Sm. 250° u. Zers. Ag (A. 249, 119). — IV, 459.  
 2) Dibenzoat d. 4-Nitro-1,3-Dioxybenzol. Sm. 107° (111°) (B. 16, 872; G. 15, 271). — II, 1150.  
 3) Dibenzoat d. 2-Nitro-1,4-Dioxybenzol. Sm. 140—142° (J. pr. [2] 48, 182). — II, 1150.
- $C_{20}H_{15}O_6N_3$  C 61,4 — H 3,3 — O 24,5 — N 10,7 — M. G. 391.  
 1) 3'-Nitro-4-Benzoxylazobenzol-3-Carbonsäure. Sm. oberh. 240° (A. 251, 189). — IV, 1469.
- $C_{20}H_{15}O_5N_3$  C 59,0 — H 3,2 — O 27,5 — N 10,3 — M. G. 407.  
 1) Phenanthrenpikrat. Sm. 144° (A. 166, 363; 167, 137, 180). — II, 267.
- $C_{20}H_{15}O_7N_7$  C 51,8 — H 2,8 — O 24,2 — N 21,2 — M. G. 463.  
 1) Trinitroderivat d. Verbindung  $C_{20}H_{16}ON_7$ . Sm. 363° (B. 26, 1186). — IV, 1225.
- $C_{20}H_{15}O_8Cl$  1) Verbindung (aus 2-Chlor-1-Ketoinden-3-Carbonsäure). Sm. 245° (A. 283, 353).
- $C_{20}H_{15}NS$  1)  $\alpha$ -Thio- $\beta$ -Dinaphthylamin. Sm. 236°. Pikrat (B. 19, 2241; 21, 2811). — II, 869.  
 2)  $\beta$ -Thio- $\beta$ -Dinaphthylamin. Sm. 280° (u. 307°) (B. 21, 2811). — II, 869.
- $C_{20}H_{15}NS_2$  1) 2-Imidodinaphthyldisulfid. Sm. 205° (B. 21, 2808). — II, 870.  
 2) isom. 2-Imidodinaphthyldisulfid. Sm. 220° (B. 21, 2808). — II, 870.
- $C_{20}H_{15}N_4Cl$  1) 2,2'-Azonaphthalin-1-Diazochlorid (B. 20, 2901). — IV, 1542.  
 $C_{20}H_{14}ON_2$  1) 2-Nitroso-1,1'-Dinaphthylamin. Sm. 169° (A. 243, 301). — II, 600.  
 2) 1,1'-Dinaphthylnitrosamin. Sm. 260—262° u. Zers. (B. 11, 641). — II, 600.  
 3) 2,2'-Dinaphthylnitrosamin. Sm. 139—140° (B. 20, 2621). — II, 603.  
 4) Phenylhydrazone d. Phenanthrenchinon. Sm. 165° (B. 16, 1564). — IV, 795.  
 5) 1,1'-Azoxy-naphthalin (J. 1864, 532). — IV, 1341.  
 6) 2-Oxy-1,1'-Azonaphthalin. Sm. 228—229° (B. 31, 1531; Soc. 65, 837). — IV, 1438.  
 7) 4-Oxy-1,1'-Azonaphthalin (Soc. 37, 752). — IV, 1438.  
 8) 2-Oxy-1,2'-Azonaphthalin. Sm. 176° (B. 19, 1282). — IV, 1438.  
 9) 6-Oxy-4-Phenyl-2-[2-Naphthyl]-1,3-Diazin. Sm. 265° (B. 25, 1427). — IV, 1080.  
 10) 2-Phenyl-3-Phenylimido-1-Keto-1,3-Dihydroisoindol. Sm. 152 bis 153° (B. 13, 420). — II, 1559.  
 11) 6-Oxy-2,3-Diphenyl-1,4-Benzodiazin. Sm. 251° (B. 25, 495). — IV, 1079.  
 12) 2-Benzoylbenzol-1-Carbonsäurephenylhydrazone. Sm. 180—182° (B. 18, 805). — IV, 698.
- $C_{20}H_{14}OCl_2$  1) Hydrogenophthalimidinchlorid (?-Chlor-9-[?-Chlorophenyl]-10-Oxy-9,10-Dihydroanthracen). Sm. 56° (A. 202, 97). — II, 1094.
- $C_{20}H_{14}OS$  1) 1,1'-Dinaphthylsulfoxid. Sm. 164,5° (162,5°) (B. 17, 2603; 23, 2367; J. pr. [2] 38, 142). — II, 868, 871.
- $C_{20}H_{14}O_2N_2$  C 76,4 — H 4,5 — O 10,2 — N 8,9 — M. G. 314.  
 1) 4-Phtalylamido-1-Phenylamidobenzol. Sm. 270° (A. 255, 191). — IV, 595.  
 2)  $\beta$ -Phtalyl- $\alpha$ -Diphenylhydrazin. Sm. 154—155° (J. pr. [2] 35, 271). — IV, 710.  
 3) 1-[2-Naphthyl]azo-2,7-Dioxynaphthalin. Sm. 202° (B. 23, 524). — IV, 1450.  
 4) 2-Benzoyl-3-Keto-1-Phenyl-2,3-Dihydroindazol. Sm. 89° (B. 32, 789).  
 5) 2,4-Diketo-1,3-Diphenyl-1,2,3,4-Tetrahydro-1,3-Benzodiazin. Sm. 234—235° (J. pr. [2] 49, 319).  
 6) Acetat d. ?-Oxy-2,3'-Bichinolyl. Sm. 156—157° (M. 7, 316). — IV, 1068.  
 7) 9-Phenylhydrazonefluoren-4-Carbonsäure. Sm. 205° (A. 247, 281). — IV, 699.  
 8) Phenylamidoimid d. Biphenyl-2,2'-Dicarbonsäure. Sm. 150° (A. 247, 274). — IV, 712.

- $C_{20}H_{14}O_2N_4$  C 70,2 — H 4,1 — O 9,3 — N 16,4 — M. G. 342.  
 1)  $\beta$ -Di[Phenylamido]benzodioxazol. Sm. oberh. 270° u. Zers. Pikrat (B. 22, 3239). — II, 930.  
 2) Dichiniminohydrobenzolblau (B. 17, 2056). — IV, 724.
- $C_{20}H_{14}O_2Cl_2$  1)  $\beta$ -Dichlortrifenyimethan-2-Carbonsäure. Sm. 205—206° (A. 202, 84). — II, 1481.
- $C_{20}H_{14}O_2S$  1) Di[2-Oxy- $\beta$ -Naphthyl]sulfid. Sm. 152°. Pb (B. 27, 3000).  
 2) Di[2-Oxy- $\beta$ -Naphthyl]sulfid. Sm. 215°(211°).  $Na_2 + 6H_2O$ , Pb (G. 17, 94; B. 21, 261, 3559; 23, 3356; 27, 2996, 2998). — II, 985.  
 3) 1,1'-Dinaphthylsulfon. Sm. 187°(123°) (A. 28, 39; 100, 216; B. 9, 683; 23, 2368; J. pr. [2] 41, 218). — II, 868.  
 4) 1,2'-Dinaphthylsulfon. Sm. 122,5—123° (B. 23, 2369). — II, 887.  
 5) 2,2'-Dinaphthylsulfon. Sm. 177°; Sd. 245° (B. 9, 684; 23, 2366; 29, 1327; Bl. 25, 25). — II, 887.
- $C_{20}H_{14}O_2S_2$  1) Di[2-Oxy- $\beta$ -Naphthyl]disulfid. Sm. 169° (166°). Pb (B. 21, 262; 23, 3363; 27, 2998). — II, 986.  
 2) 1,1'-Dinaphthyldisulfoxyd. Sm. 104—106° (J. pr. [2] 47, 97). — II, 871.  
 3) 2,2'-Dinaphthyldisulfoxyd. Sm. 106—108° (J. pr. [2] 47, 97). — II, 887.
- $C_{20}H_{14}O_2S_3$  1) Di[1-Oxy- $\beta$ -Naphthyl]trisulfid. Zers. bei 190° (B. 23, 3368). — II, 986.
- $C_{20}H_{14}O_2S_4$  1) Di[2-Oxy- $\beta$ -Naphthyl]tetrasulfid. Sm. 141°. Pb (B. 27, 2997).
- $C_{20}H_{14}O_2Se$  1) Di[2-Oxynaphthalin]selenid. Sm. 186° (B. 30, 2825).
- $C_{20}H_{14}O_2N_2$  1) 4-Nitroso-1-Dibenzoylamidobensol. Sm. 142° (A. 288, 153).  
 2) 2,7-Diamidoquinu. Sm. 280—282° (B. 31, 1742).  
 3) Acetylalsafanol. Sm. 265—268° (B. 30, 401). — IV, 1003.  
 4) Inneres Anhydrid d. 2-[3,4-Dimethoxyphenyl]- $\alpha$  oder  $\beta$ -Naphthimidol-2-Carbonsäure. Sm. 191—192° (B. 25, 1986). — IV, 1066.  
 5) Nitril d. Acetylidphenylketipinsäure. Sm. 208—209,5°.  $Na + 3H_2O$ , Ag (A. 282, 54). — II, 2032.  
 6) Acetylphenylamidoim d. Naphthalin-1,8-Dicarbonsäure. Sm. 230° (B. 28, 363). — IV, 712.
- $C_{20}H_{14}O_3Br_4$  1)  $\beta$ -Tetrabrom- $\alpha$ -[Dioxydiphenyl]- $\alpha$ -[Oxy- $\beta$ -Methylphenyl]methan (A. 179, 202). — II, 1028.
- $C_{20}H_{14}O_3S$  1) 2,2'-Binaphthyl- $\alpha$ -Sulfonsäure (J. 1877, 391). — II, 296.  
 2) 2,2'-Binaphthyl- $\beta$ -Sulfonsäure.  $Ca + 2H_2O$ , Ba + 2H<sub>2</sub>O (J. 1877, 391; Soc. 39, 551). — II, 296.
- $C_{20}H_{14}O_4N_2$  C 69,4 — H 4,0 — O 18,5 — N 8,1 — M. G. 346.  
 1)  $\beta$ -Nitro-2-[1,2-Phtalyl]methyl-6-Dimethylchinolin (Nitro-o-p-Dimethylchinophthalon) (B. 28, 1512). — IV, 459.  
 2) N-Diacetylindigo (B. 24, 4130). — II, 1621.  
 3) Diacetat d. 5,6-Dioxy- $\beta$ -Naphthophenazin (D. d.  $\alpha\beta$ -Oxynaphteurhodol). Sm. 208° (A. 286, 78). — IV, 1058.
- $C_{20}H_{14}O_4N_4$  C 64,2 — H 3,7 — O 17,1 — N 15,0 — M. G. 374.  
 1) 2-Di[4-Nitrobenzyliden]amidobensol. Sm. 222° (B. 27, 2191). — IV, 563.  
 2) 5, $\beta$ -Dinitro-2-Phenyl-1-[4-Methylphenyl]benzimidazol. Sm. 192° (Bl. [3] 17, 872). — IV, 562.  
 3) 5-Nitro-1-[4-Methylphenyl]-2-[3-Nitrophenyl]benzimidazol. Sm. 213—215° (Bl. [3] 18, 519). — IV, 1008.  
 4) 5-Nitro-1-[4-Methylphenyl]-2-[4-Nitrophenyl]benzimidazol. Sm. 250° (Bl. [3] 17, 1030). — IV, 1008.  
 5) 1-[4-Nitrobenzyl]-2-[4-Nitrophenyl]benzimidazol. Sm. 212,5° (B. 27, 2192). — IV, 1006.  
 6)  $\beta$ -Diphenylazobensol-1,4-Dicarbonsäure. Sm. oberh. 250°. Ag, (B. 24, 2694). — IV, 1475.
- $C_{20}H_{14}O_4Cl_2$  1) Dibenzyläther d. 3,6-Dichlor-2,5-Dioxy-1,4-Benzochinon. Sm. 142° (Am. 18, 12). — III, 351.
- $C_{20}H_{14}O_5N_4$  C 61,5 — H 3,6 — O 20,5 — N 14,4 — M. G. 390.  
 1)  $\beta$ -[2,4-Dinitrophenylhydrason]- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan. Sm. 183 bis 184° (G. 21 [1] 571). — IV, 784.
- $C_{20}H_{14}O_5N_6$  C 57,4 — H 3,3 — O 19,1 — N 20,1 — M. G. 418.  
 1) Dinitroderivat d. Verb.  $C_{20}H_{14}ON_4$ . Sm. 253° (B. 26, 1186). — IV, 1225.

- $C_{20}H_{14}O_6N_2$  C 63,5 — H 3,7 — O 25,4 — N 7,4 — M. G. 378.  
 1) 1,4-Benzochinondi[Amidobenzol-2-Carbonsäure].  $K_2 + 2H_2O$  (*Bl.* [3] 13, 746; [3] 15, 1025). — **III, 343.**  
 2) 1,4-Benzochinondi[Amidobenzol-3-Carbonsäure] (*Bl.* [3] 15, 1027).  
 3) 1,4-Benzochinondi[Amidobenzol-4-Carbonsäure] (*Bl.* [3] 15, 1027).  
 4) Base (aus Tarkonin). 4 + 3HBr,  $H_2SO_4$  (*Soc.* 32, 535). — **III, 921.**
- $C_{20}H_{14}O_6N_4$  C 59,1 — H 3,4 — O 23,6 — N 13,8 — M. G. 406.  
 1)  $\alpha$ -Dinitro-1,4-Di[Formylphenylamido]benzol. Sm. 215° (*B.* 25, 2722). — **IV, 588.**  
 2) Anthracen + 2,4,6-Trinitro-1-Amidobenzol. Sm. 165—170° (*B.* 8, 378). — **II, 319.**  
 3) Di[2-Nitrophenylamid] d. Benzol-1,2-Dicarbonsäure. Sm. 180—184° (*B.* 28, 1120). — **II, 1807.**  
 4) Di[4-Nitrophenylamid] d. Benzol-1,2-Dicarbonsäure. Sm. 232—234° (*B.* 28, 1120). — **II, 1808.**
- $C_{20}H_{14}O_6S$  1) 4-Methylsulfonfluorescein +  $H_2O$  (*Am.* 17, 563). — **III, 212.**  
 2) 2-[ $\beta$ -Sulfonylbenzoyl]benzol-1-Carbonsäure.  $Ba + 2H_2O$  (*J. pr.* [2] 41, 146). — **II, 1726.**
- $C_{20}H_{14}O_6S_2$  1) 2,2'-Binaphthyl- $\alpha$ -Disulfonsäure. Ba (*Soc.* 39, 553). — **II, 296.**  
 2) 2,2'-Binaphthyl- $\beta$ -Disulfonsäure. Ba (*Soc.* 39, 553). — **II, 296.**
- $C_{20}H_{14}O_6S_4$  1) 1,1'-Dinaphthyldisulfid- $\beta$ -Disulfonsäure.  $K_2$  (*J. pr.* [2] 41, 219). — **II, 875.**  
 2) 2,2'-Dinaphthyldisulfid- $\beta$ -Disulfonsäure.  $K_2$  (*J. pr.* [2] 41, 223). — **II, 892.**
- $C_{20}H_{14}O_6Br_4$  1) Diacetat d. Dibrombrasilein + 1½ $H_2O$  (*B.* 23, 1428). — **III, 655.**
- $C_{20}H_{14}O_6S_2$  1) 2,2'-Dinaphthyläther-6,6'-Disulfonsäure.  $K_2$  (*B.* 14, 1482). — **II, 891.**  
 2) 6-Sulfo-2-Naphthylester d. 2-Oxynapthalin-6-Sulfonsäure.  $K$  (*B.* 14, 1481). — **II, 890.**
- $C_{20}H_{14}O_6Br_4$  1) Tetracetat d.  $\beta$ -Tetra brom- $\beta$ -Tetraoxybiphenyl. Sm. 195° (*M.* 1, 353). — **II, 1037.**
- $C_{20}H_{14}O_6Br_4$  1) Tetra bromhemlockgerbsäure (*B.* 17, 1041). — **III, 684.**
- $C_{20}H_{14}O_6S_4$  1) 2,2'-Binaphthyltetrasulfonsäure.  $Pb_2 + 6H_2O$  (*Soc.* 39, 553). — **II, 296.**
- $C_{20}H_{14}N_2J$  1) Jodmethylat d. meso-Phenylcarbazosakridin (*G.* 20, 409). — **IV, 472.**  
 2) Jodmethylat d. Pyrenolin. Sm. 212° (*M.* 8, 447). — **IV, 472.**
- $C_{20}H_{14}N_2Br_2$  1)  $\alpha$ - $\beta$ -Dibrom-a-[2-Chinolyl]- $\beta$ -(6-Chinolyl)äthan. Sm. noch nicht bei 300° (*B.* 22, 288). — **IV, 1074.**
- $C_{20}H_{15}ON$  C 84,2 — H 5,3 — O 5,6 — N 4,9 — M. G. 285.  
 1)  $\beta$ -Phenylimido- $\alpha$ -Keto- $\alpha$ - $\beta$ -Diphenyläthan (Anilbeuzil). Sm. 105° (*M.* 9, 687; *J. pr.* [2] 34, 24). — **III, 284.**  
 2) Acetyl amido chrysene. Sm. 285° (*B.* 24, 951). — **II, 643.**  
 3) 9-Keto-10-Benzyl-9,10-Dihydrophenanthridin. Sm. 115° (112,5°) (*B.* 26, 1967; *A.* 276, 253). — **IV, 408.**  
 4) 3-[2-Methoxyphenyl]- $\beta$ -Naphtochinolin. Sm. 184° (*B.* 27, 2029). C 76,7 — H 4,8 — O 5,1 — N 13,4 — M. G. 313.
- $C_{20}H_{15}ON_3$  1) Carbonyltriphenylguanidin. Sm. 134°. +  $H_2O$  (Sm. 141°) (*B.* 14, 2181). — **II, 351.**  
 2) isom. Carbonyltriphenylguanidin.  $HCl$ ,  $HNO_3$  (*J. pr.* [2] 32, 23). — **II, 351.**  
 3) 2-Phenylimido-3,5-Diphenyl-2,3-Dihydro-1,3,4-Oxiazol.  $HCl$  (Sm. 106°) (*B.* 26, 2872). — **IV, 675.**  
 4) 6-Phenylformylamido-1-Phenylbenzimidazol. Sm. 124° (*A.* 286, 179). — **IV, 1147.**  
 5) 5- oder 6-Benzoylamido-2-Phenylbenzimidazol +  $H_2O$ . Sm. 125 bis 214° (?).  $HCl$  (*B.* 14, 2653). — **IV, 1180.**  
 6) 2-Phenylimido-4-Keto-3-Phenyl-1,2,3,4-Tetrahydro-1,3-Benzodiazin. Sm. 163° (*B.* 30, 1093, 1682, 1687; *Am.* 21, 143). — **IV, 1158.**  
 7) 1-Nitroso-2,3-Diphenyl-1,2-Dihydro-1,4-Benzodiazin (Nitrosodiphenyl-dihydrochinazalin). Sm. 138° (*B.* 27, 2182). — **IV, 1074.**  
 8) 8-Keto-7-Phenyl-5-[4-Methylphenyl]-7,8-Dihydro-1,6,7-Benstriazin. Sm. 247°. (2HCl, PtCl<sub>4</sub>) (*M.* 18, 456). — **IV, 799.**  
 9) N-Aethyltriphenoxyazoxazin. Sm. 229° (*B.* 31, 499). — **IV, 1213.**  
 10) Acetyl aposafranin.  $HCl$  (*B.* 21, 1590; *J. r.* 29, 542). — **IV, 1177.**
- $C_{20}H_{15}OCl$  1)  $\alpha$ -Chlor- $\beta$ -Keto- $\alpha\alpha\beta$ -Triphenyläthan.  $Fl.$  (*C.* 1897 [2] 661).

- $C_{20}H_{15}O_2Br$  1)  $\alpha$ -Brom- $\beta$ -Keto- $\alpha\alpha\beta$ -Triphenyläthan. Sm. 97° (Bl. [3] 13, 861; C. 1897 [2], 661). — III, 258.
- $C_{20}H_{15}O_2N$  C 79,7 — H 5,0 — O 10,6 — N 4,6 — M. G. 301.
- 1) 2-Benzoylamidodiphenylketon. Sm. 80,5° (B. 25, 3090). — III, 182.
  - 2) 4-Benzoylamidodiphenylketon. Sm. 152° (Soc. 41, 133; A. 210, 271; B. 14, 1438). — III, 184.
  - 3) 3-Benzoyl-1-[ $\alpha$ -Oximidobenzyl]benzol. Sm. 201° (B. 19, 146). — III, 304.
  - 4) 4-Benzoyl-1-[ $\alpha$ -Oximidobenzyl]benzol. Sm. 212—213° (B. 19, 147). — III, 305.
  - 5) 2-Keto-3,3-Diphenyl-5-[2-Pyrrol]furan (Anhydro- $\alpha\alpha$ -Diphenyl- $\beta$ -Pyrrolylpropionsäure). Sm. 184° (B. 23, 1355). — IV, 90.
  - 6) 2-[1,2-Phtalyl]methyl-6,8-Dimethylchinolin (o-p-Dimethylchinophthalon). Sm. 282° (B. 28, 1512). — IV, 459.
  - 7) 4-Diphenylmethylenamidobenzol-1-Carbonsäure. Sm. 240° (B. 24, 3522). — III, 188.
  - 8) 5-Phenyl- $\beta$ -Dihydroakridin-5 $\beta$ -Carbonsäure. Sm. 160—165° u. Zers. (A. 234, 49). — IV, 471.
  - 9) Phenylimid d. Benzolcarbonsäure. Sm. 161° (155°) u. 136° (J. 1856, 501; A. 178, 235; B. 6, 176; 26, 2852; Soc. 41, 133; Am. 19, 153). — II, 1171.
- $C_{20}H_{15}O_2N_3$  C 73,0 — H 4,5 — O 9,7 — N 12,8 — M. G. 329.
- 1) 6-Phenylhydrazin-5-Oxy-3-Methyl-1-Phenylbenzoxazol. Sm. 169 bis 170°. HCl (M. 19, 500). — IV, 1448.
  - 2) 1-[4-Methylphenyl]-2-[4-Nitrophenyl]benzimidazol. Sm. 176° (Bl. [3] 17, 1029). — IV, 1008.
  - 3) 5-Nitro-2-Phenyl-1-[2-Methylphenyl]benzimidazol. Sm. 172—173° (Bl. [3] 17, 860). — IV, 562.
  - 4) 5-Nitro-2-Phenyl-1-[4-Methylphenyl]benzimidazol. Sm. 177—178° (Bl. [3] 17, 869). — IV, 562.
  - 5) Acetylsafranin (Acetylamidobenzolindon). Sm. oberh. 280° (B. 30, 400). — IV, 1179.
  - 6) Acetat d. 3-Oxy-5-Phenyl-1-[2-Naphthyl]-1,2,4-Triazol. Sm. 142 bis 143° (Soc. 73, 371). — IV, 1158.
- $C_{20}H_{15}O_2P$  1) Di[1-Naphthyl]phosphinsäure. Sm. 202—204° (B. 11, 1502). — IV, 1681.
- $C_{20}H_{15}O_2N$  C 75,7 — H 4,7 — O 15,1 — N 4,4 — M. G. 317.
- 1) 2-Keto-3,3-Di[ $\beta$ -Oxyphenyl]-2,3-Dihydroindol (Phenolisatin). Sm. 220° (B. 18, 2641). — II, 1618.
  - 2) 1-Keto-2,3-Di[4-Oxyphenyl]-1,3-Dihydroisoindol. Sm. 252—256° (B. 26, 176; M. 17, 436; 20, 363). — II, 1986.
  - 3) 1-Keto-3,3-Di[4-Oxyphenyl]-1,3-Dihydroisoindol (Imidophenolphthalein). Sm. 262° u. Zers. (G. 24 [1] 71). — II, 1985.
  - 4) 3-[2-Naphthylamido]-2-Oxy-1,4-Diketo-1,2,3,4-Tetrahydronapthalin (A. 286, 73). — III, 382.
  - 5) Benzoat d. 2-Benzoylamido-1-Oxybenzol. Sm. 182° (176°) (A. 210, 387; B. 16, 1828). — II, 1176.
  - 6) Benzoat d. 3-Benzoylamido-1-Oxybenzol. Sm. 153° (Am. 15, 43). — II, 1177.
  - 7) Benzoat d. 4-Benzoylamido-1-Oxybenzol. Sm. 231° (234°) (B. 9, 1520; 27, 3358; 29, 1484). — II, 1177.
  - 8) Benzoat d. Benzoylphenylhydroxylamin. Sm. 118—119° (J. pr. [2] 56, 87).
  - 9) Diphenylmonamid d. Benzol-1,2-Dicarbonsäure (Diphenylphtalamidsäure). Sm. 147—148°. Ag (A. 227, 190). — II, 1797.
  - 10) Verbindung (aus Phenolphthalein). Sm. bei 260° (A. 202, 120). — III, 261.
- $C_{20}H_{15}O_2N_3$  C 69,6 — H 4,3 — O 13,9 — N 12,2 — M. G. 345.
- 1)  $\alpha$ -Benzoyl- $\alpha$ -Phenyl- $\beta$ -[2-Nitrobenzyliden]hydrazin. Sm. 166—167° (J. pr. [2] 53, 462). — IV, 752.
  - 2)  $\alpha$ -Benzoyl- $\alpha$ -Phenyl- $\beta$ -[3-Nitrobenzyliden]hydrazin. Sm. 197° (J. pr. [2] 53, 457). — IV, 752.
  - 3)  $\alpha$ -Benzoyl- $\alpha$ -Phenyl- $\beta$ -[4-Nitrobenzyliden]hydrazin. Sm. 169° (J. pr. [2] 53, 459). — IV, 752.

- $C_{20}H_{15}O_3N_5$  4)  $\beta$ -[3-Nitrophenylhydrazon]- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan. Sm. 158° (B. 22, 2814). — IV, 784.  
     5) Verbindung (aus 1,5-Diamidonaphthalin) (Z. 1865, 558). — IV, 1541.
- $C_{20}H_{15}O_3N_5$  C 64,3 — H 4,0 — O 12,9 — N 18,8 — M. G. 373.  
     1) Mononitroderivat d. Verb.  $C_{20}H_{15}ON_4$ . Sm. 197,5°; Sd. 272° u. Zers. (B. 26, 1184). — IV, 1225.
- $C_{20}H_{15}O_3Cl$  1) Verbindung (aus Phenanthroxyleneacetogsäureäthylester). Sm. 145 bis 146° (Soc. 59, 22). — II, 1908.
- $C_{20}H_{15}O_3Br$  1) Aethyläther d. 2-Brom- $\rho$ -Oxy-1,1'-Diketo-2,3-Dihydro-2,2'-Binden. Sm. 173—174° u. Zers. (Soc. 71, 247).
- $C_{20}H_{15}O_3Br_3$  1) Tri[4-Bromphenyläther] d.  $\alpha\alpha\alpha$ -Trioxyäthan. Sm. 132—133° (B. 24, 3680). — II, 672.
- $C_{20}H_{15}O_4N$  C 72,1 — H 4,5 — O 19,2 — N 4,2 — M. G. 333.  
     1) Sanguinarin +  $H_2O$ . Sm. 213°.  $HCl + H_2O$ . ( $2HCl, PtCl_3$ ) ( $HCl, AuCl_3$ ),  $HNO_3 + H_2O$  (Berl. J. 9, 221; J. 1855, 566; Z. 1870, 119; A. 43, 233; Soc. 58, 62). — III, 805.
- 2) Phenolphaleinoxim. Sm. 212° u. Zers.  $HCl$  (B. 26, 174). — II, 1985.  
     3) Phenylester d. 2-[Phenylamidoformyl]oxybenzol-1-Carbonsäure. Sm. 241° (B. 26, 1466). — II, 1496.  
     4) Acetat d.  $\rho$ -Oxy- $\rho$ -Phenyl-1,4-Naphtoquinonacetylimid. Sm. 200 bis 201° (A. 226, 39). — III, 460.  
     5) Phenyl-3-Oxyphenylmonamid d. Benzol-1,2-Dicarbonsäure. Sm. 191—192°. Ag (B. 31, 1331).  
     6) Phenyl-4-Oxyphenylmonamid d. Benzol-1,2-Dicarbonsäure. Sm. 191—192°. Cu +  $4H_2O$ , Ag +  $3H_2O$  (B. 31, 1329).
- $C_{20}H_{15}O_4N_5$  C 66,5 — H 4,1 — O 17,7 — N 11,6 — M. G. 361.  
     1)  $\rho$ -Nitro-1,3-Di[Benzoylamido]benzol. Sm. 222° (235—236°) (B. 14, 2653; A. 273, 351). — IV, 578.  
     2)  $\beta$ -Dibenzoyl- $\eta$ -[3-Nitrophenyl]hydrazin. Sm. 153° (B. 22, 2811). — IV, 670.
- $C_{20}H_{15}O_4N_5$  C 61,6 — H 3,9 — O 16,4 — N 18,0 — M. G. 389.  
     1) III-3-Nitroformazylbenzol-II-3-Carbonsäure. Sm. 185° (B. 31, 1756). — IV, 1261.
- $C_{20}H_{15}O_4P$  1) 2,2'-Dinaphthylester d. Phosphorsäure. Sm. 142° (147—148°) (B. 27, 2865; 30, 2377). — II, 877.
- $C_{20}H_{15}O_5N_5$  C 63,7 — H 4,0 — O 21,2 — N 11,1 — M. G. 377.  
     1)  $\rho$ -Nitro-2,4-Di[Benzoylamido]-1-Oxybenzol. Sm. 167—170° (A. 205, 70). — II, 1178.  
     2)  $\rho$ -Nitro-2,6-Di[Benzoylamido]-1-Oxybenzol. Sm. 201—202° (A. 205, 84). — II, 1178.  
     3) 4'-Benzoyl-3'-Methyläther d. 3-Nitro-3',4'-Dioxyazobenzol. Sm. 135—136° (Soc. 69, 1333). — IV, 1441.  
     4) Dinitroderivat d. Phenyl- $\rho$ -Methylphenyl]amid d. Benzolcarbonsäure (A. 132, 293). — II, 1165.
- $C_{20}H_{15}O_5Br$  1) Diacetat d. 6-Brom-1-Keto-2-[3,4-Dioxybenzyliden]-2,3-Dihydroinden. Sm. 153° (B. 31, 724).
- $C_{20}H_{15}O_6N$  C 65,8 — H 4,1 — O 26,3 — N 3,8 — M. G. 365.  
     1) Acetat d. 1-Diacetylamilido-2-Oxy-9,10-Anthrachinon. Sm. 181° (B. 28, 1423). — III, 420.
- $C_{20}H_{15}O_6Br$  1) Brompterocarpin (A. ch. [6] 17, 127). — III, 672.
- $C_{20}H_{15}O_6N$  C 63,0 — H 3,9 — O 20,4 — N 3,7 — M. G. 381.  
     1) Verbindung (aus d. Methyläther d. 7-Amino-6-Oxy-1,2-Benzpyron) (G. 27 [2] 353).
- $C_{20}H_{15}O_6N$  C 60,5 — H 3,8 — O 32,2 — N 3,5 — M. G. 397.  
     1) Berilsäure. Sm. 198—200° u. Zers. Ag (Soc. 57, 1091). — III, 803.
- $C_{20}H_{15}O_6N_5$  C 54,4 — H 3,4 — O 32,6 — N 9,5 — M. G. 441.  
     1) Tri[2-Nitrophenyläther] d.  $\alpha\alpha\alpha$ -Trioxyäthan. Sm. 167—168° (B. 24, 3680). — II, 680.  
     2) Verbindung (aus Azoopiansäure). Sm. noch nicht bei 280° (J. pr. [2] 55, 184).
- $C_{20}H_{15}NS$  1)  $\alpha$ -Rhodantriphenylmethan. Sm. 137° (B. 17, 700). — II, 1089.
- $C_{20}H_{15}N_5S$  1) 1-Phenylamidophenylimidomethylbenzthiazol. Sm. 129°. ( $2HCl, 2AuCl_3$ ) (B. 20, 2255). — II, 799.

- C<sub>20</sub>H<sub>15</sub>N<sub>3</sub>S** 2) Verbindung (aus Anilidodiphenylthiobiazolin). Sm. oberh. 280° u. Zers. (B. 30, 853). — IV, 686.
- C<sub>20</sub>H<sub>15</sub>N<sub>3</sub>S** 1) 2-Phenylimido-5-Phenylazo-3-Phenyl-2,3-Dihydro-1,3,4-Thiodiasol. Sm. 180—181° (B. 26, 2874). — IV, 687.
- C<sub>20</sub>H<sub>15</sub>N<sub>4</sub>Cl<sub>3</sub>** 1) Diazoleukanilinchlorid. + 3AuCl<sub>3</sub> + H<sub>2</sub>O (A. 194, 281). — IV, 1544.
- C<sub>20</sub>H<sub>16</sub>ON<sub>2</sub>** 1)  $\alpha$ -Oximido- $\beta$ -Phenylimido- $\alpha$ -Diphenyläthan (Benzoximani). Sm. 211 bis 212° (B. 25, 2597; B. 26, 794). — III, 290.
- 2)  $\alpha$ -Phenylimido- $\alpha$ -Benzoylamidophenylmethan (Phenylbenzoylbenzamidin). Sm. 143° (A. 296, 286; Am. 20, 573). — IV, 848.
- 3) 4-Benzylidenhydrazidodiphenylketon. Sm. 188° (Soc. 55, 615). — III, 186.
- 4)  $\alpha$ -Benzoyl- $\beta$ -Diphenylmethylenehydrazin. Sm. 116,5° (J. pr. [2] 44, 197). — III, 187.
- 5)  $\alpha$ -Benzoyl- $\alpha$ -Phenyl- $\beta$ -Benzylidenhydrazin. Sm. 122° (114°) (B. 20, 1717; J. pr. [2] 53, 463). — IV, 750.
- 6) Phenylhydrazon d. Acetylphenylenoxyd. Sm. 131—133° u. Zers. (A. 264, 191). — IV, 777.
- 7)  $\beta$ -Phenylhydrazon- $\alpha$ -Keto- $\alpha$ - $\beta$ -Diphenyläthan. Sm. 134° (128—129°) (A. 236, 197; B. 26, 793). — IV, 784.
- 8)  $\beta$ -Phenylazo- $\alpha$ -Keto- $\alpha$ - $\beta$ -Diphenyläthan (Benzolazodesoxybenzoïn). Sm. 159° (J. pr. [2] 55, 319). — IV, 1479.
- 9) 3-Keto-2-[ $\beta$ -Phenyläthan]-1,2,3,4-Tetrahydro-1,4-Benzodiazin. Sm. 174° (B. 25, 955). — IV, 1075.
- C<sub>20</sub>H<sub>16</sub>ON<sub>4</sub>** C 73,2 — H 4,8 — O 4,8 — N 17,1 — M. G. 328.
- 1)  $\beta$ -Phenylazo- $\beta$ -Phenylhydrazon- $\alpha$ -Keto- $\alpha$ -Phenyläthan (Formazylphenylketon). Sm. 141—142°. Na, Ag (B. 26, 2787). — IV, 1230.
- 2) 2,2'-Diamido-1,l'-Azoxynaphthalin. Sm. 121—122° (A. 265, 160). — IV, 1341.
- 3) 8,8'-Dimethyl-5,5'-Asoxychinolin. Sm. 201° (B. 23, 3679). — IV, 1345.
- 4) Verbindung (aus d. Verb. C<sub>20</sub>H<sub>15</sub>O<sub>4</sub>N<sub>4</sub>). Sm. 161°. Pikrat (B. 26, 1185). — IV, 1224.
- C<sub>20</sub>H<sub>16</sub>O<sub>4</sub>N<sub>2</sub>** C 75,9 — H 5,1 — O 10,1 — N 8,9 — M. G. 316.
- 1)  $\alpha\beta$ -Di[2-Acetylaminophenyl]butadien. Sm. 231° (B. 15, 61). — IV, 1039.
- 2)  $\beta$ -Diamido-1,3-Dibenzoylbenzol. 2 Modif.;  $\beta$ -Modif. Zers. bei 70° (B. 13, 322). — III, 304.
- 3) 1,2-Di Benzoylamido]benzol. Sm. 301° (B. 23, 1878; A. 254, 254; 273, 346). — IV, 562.
- 4) 1,3-Di[Benzoylamido]benzol. Sm. 240° (B. 14, 2652; A. 293, 385). — IV, 578.
- 5) 1,4-Di[Benzoylamido]benzol. Sm. oberh. 300° (A. 254, 254). — IV, 594.
- 6) 1,4-Di[Formylphenylamido]benzol. Sm. 168° (B. 25, 2722). — IV, 588.
- 7)  $\beta$ -Phenylnitrosamido- $\alpha$ -Keto- $\alpha$ - $\beta$ -Diphenyläthan. Sm. 140° u. Zers. (J. pr. [2] 34, 7). — III, 220.
- 8) 2-[4-Nitrobenzyliden]amidodiphenylmethan. Sm. 105° (B. 27, 2787). — III, 31.
- 9) 4,4'-Diamido-1,l'-Dioxy-2,2'-Binaphthyl. 2HCl + 3H<sub>2</sub>O, (2HCl, SnCl<sub>4</sub>) (B. 30, 2662).
- 10) 1,3-Di[ $\alpha$ -Oximidobenzyl]benzol. Sm. 70—75° (B. 19, 1849). — III, 304.
- 11) 1,4-Di[ $\alpha$ -Oximidobenzyl]benzol. Sm. 235° (B. 19, 1847). — III, 305.
- 12)  $\alpha\beta$ -Dibenzoyl- $\alpha$ -Phenylhydrazin. Sm. 177—178°. Na (A. 190, 128; B. 18, 1740; 20, 46, 1713). — IV, 669.
- 13) Benzoat d. 4-Oxy-3-Methylazobenzol. Sm. 110—111° (B. 17, 364). — IV, 1420.
- 14) Benzoat d. 6-Oxy-3-Methylazobenzol. Sm. 113° (B. 17, 353). — IV, 1420.
- 15) 6-Methyläther d. 6-Oxy-2-[2-Oxyphenyl]-1-Phenylbenzimidazol. Sm. 123° (B. 29, 2082).
- 16) 2-Phtalyl-4-Methyl-6,6'-Dihydro-peri-Chinolinazol (B. 24, 2052). — IV, 862.
- 17) Aethyläther d. Safranol. Sm. 265° u. Zers. (A. 286, 212; B. 30, 401). — IV, 1003.
- 18) 2,2'-Dioxy-4,4'-Dimethyl-6,6'-Bichinolyl. Sm. oberh. 300° (M. 19, 705).

- $C_{10}H_{14}O_2N$ , 19) Phenylamidoformic d.  $\alpha$ -Oximidodiphenylmethan. Sm. 176° (B. 22, 3108). — III. 189.  
 20) 1-Diphenylhydrazonmethylbenzol-2-Carbonsäure. Sm. 187°. Ca (B. 24, 2340). — IV. 696.  
 21) 3-Phenyl- $\alpha$ -Naphtimidazol-2-[Aethyl- $\beta$ -Carbonsäure]. Sm. 180—181°. Ag, HCl, Pikrat (B. 27, 2774). — IV. 997.  
 22) Dithiophenylphthalein. Sm. 265—266° (A. 202, 112; G. 24 [1] 75). — II. 1985.  
 23) Lakton d.  $\alpha$ -Oxy- $\alpha'$ -Diamidodiphenyl- $\alpha''$ -Phenylmethan- $\alpha''$ -Carbonsäure (Diamidodiphenylphthalid). 2 isom. Formen. I) Sm. 179—180°; II) Sm. 205° (A. 202, 66, 67). — II. 1722.  
 24) Lakton d. 1- $\alpha$ -Diphenylhydrazido]oxymethylbenzol-2-Carbonsäure (Phthalidylhydrazobenzol). Sm. 202—203° u. Zers. (B. 24, 2350). — IV. 696.  
 25) Oximbenzoat d. Benzenylphenylamidoxim. Sm. 116° (B. 19, 1670). — II. 1208.  
 26)  $\beta$ -[1-Naphyl]amidoäthylimid d. Benzol-1,2-Dicarbonsäure. Sm. 158° (B. 24, 2198). — II. 1800.  
 27)  $\beta$ -[2-Naphyl]amidoäthylimid d. Benzol-1,2-Dicarbonsäure. Sm. 141° (B. 24, 2199). — II. 1800.  
 28) Di[Phenylamid] d. Benzol-1,2-Dicarbonsäure. Sm. 231° u. Zers. (251 bis 252°) (B. 30, 1442; R. 15, 345 Aum.).  
 29) Di[Phenylamid] d. Benzol-1,3-Dicarbonsäure. Sm. 250° (C. 1895 [2] 217).  
 $C_9H_{14}O_2N_4$ . 1) Diechinisinohydrobenzol. Zers. oberh. 300° (B. 17, 2055). — IV. 723.  
 2) Pyramolblau (A. 238, 171; B. 25, 765). — IV. 1271.  
 3) Formarylbenzol-II-3-Carbonsäure. Sm. 202° (B. 31, 1755). — IV. 1261.  
 4) Acetat d. 4-Oxy-1,3-Di-Diphenylasobenzol. Sm. 116° (B. 17, 369; 25, 1334). — IV. 1416.  
 5) Diacetyllderivat d. Base  $C_{14}H_{16}N_4$  (aus d. Verb.  $C_{14}H_8O_2N_4$ ). Sm. 176 bis 177° (A. 255, 330). — IV. 1171.  
 $C_9H_{14}O_2Br$ . 1)  $\alpha$ -Bromo- $\beta$ -Hexabrom- $\gamma$ -Diketo- $\delta$ -Diphenyloktan. Sm. 190—191° (B. 29, 2126).  
 $C_9H_{14}O_2S_2$ . 1) 3,4-Methylenäther-1,1-Diphenyläther d. 3,4-Dioxy-1-Dimerkapto-methylbenzol. Sm. 48 (B. 18, 886). — III. 102.  
 2)  $\alpha$ -Dimerkapto-phenylessig/diphenyläthersäure. Sm. 143°. K+H<sub>2</sub>O (R. 18, 84; 19, 1759). — II. 1523.  
 $C_9H_{14}O_2N_2$ . 1) 3,4-Di-Benzoylamido-1-Oxybenzol. Sm. 187—188° (A. 205, 68). — II. 177.  
 2) 2,6-Di-Benzoylamido-1-Oxybenzol. Sm. 209—213° (A. 205, 59). — II. 177.  
 3) Phenyl-2-Nitrobenzylamid d. Benzolcarbonsäure. Sm. 101° (B. 19, 148). — II. 1146.  
 4) Phenyl-4-Nitrobenzylamid d. Benzolcarbonsäure. Sm. 144° (B. 19, 38). — II. 1146.  
 5) Benzol d.  $\alpha$ -Oxy-4-Diphenylbarstoff. Sm. 10° (J. pr. B. 58, 5).  
 6) Monobenzocat d. 2,5-Dioxy-4-Methylasobenzol. Sm. 115—116° (B. 26, 111). — IV. 1447.  
 7) Phenylamidoformic d. Benzoylphenylhydrazin. Sm. 127° (J. pr. B. 56, 5).  
 8) Monacetridenrat d. Verb.  $C_9H_8O_2N_2$  (aus Diacetat d. Salicylsäure). Sm. 110—111° (J. pr. B. 56, 5).  
 Phenylmonohydrazin d. Diphenyl-2,2-Dicarbonsäure. Sm. 174° (A. 241, 17). — IV. 121.  
 $C_9H_14O_2N_4$ . 1)  $\alpha$ -N<sub>2</sub> — H<sub>2</sub> — O — N<sub>2</sub> — N.G. 184.  
 2) Di- $\beta$ -Nitrobenzyl benzol. Sm. 15° (B. 15, 27). — II. 158.  
 3) Di-4-Nitrobenzyl benzol. Sm. 14° (B. 16, 11). — II. 158.  
 4) Di- $\beta$ -Acetylbenzylbeweiss. Sm. 21° (B. 21, 44). — II. 158.  
 5) Di- $\beta$ -Acetylbenzylbeweiss. Sm. 24° (B. 24, 11). — II. 158.  
 6) Di- $\beta$ -Acetylbenzylbeweiss. Sm. 25° (B. 25, 11). — II. 158.  
 Coronasebenzol. Sm. 18° (B. 28, 52). — IV. 148.

- $C_{20}H_{16}O_4N_2$  7) 3-Acetat d. Phenylacetylhydrazon-3-Oxy-1-Keto-1,4-Dihydro-naphthalin. Sm. 123° (A. 286, 87).  
 8) Diacetat d. 1-Phenylazo-2,4-Dioxynaphthalin. Sm. 122—123° (B. 22, 3167). — IV, 1449.  
 9) Diacetat d. 1-Phenylazo-3,4-Dioxynaphthalin. Sm. 153° (A. 286, 83). — IV, 1449.  
 10) 2-[3,4-Dimethoxyphenyl]- $\alpha$  oder  $\beta$ -Naphtimidazol-2 $\beta$ -Carbonsäure. Sm. 242° u. Zers. (B. 25, 1980). — IV, 1066.  
 11) 1,2-Phenylenester d. Phenylamidoameisensäure. Sm. 165° (B. 18, 2429). — II, 910.  
 12) 1,3-Phenylenester d. Phenylamidoameisensäure. Sm. 164° (B. 18, 2429). — II, 918.  
 13) 1,4-Phenylenester d. Phenylamidoameisensäure. Sm. 205—207° (B. 18, 2429). — II, 941.  
 14) Di[Phenylimid] d. h-Butan- $\alpha\beta\gamma\delta$ -Tetracarbonsäure. Sm. 210—230° (B. 28, 889).  
 15) Di[Phenylimid] d. n-Butan- $\alpha\beta\gamma\delta$ -Tetracarbonsäure. Sm. 194—197° (B. 28, 886).  
 16) Verbindung (aus Furfurin). Sm. 174° (B. 22, 2305). — III, 722.
- $C_{20}H_{16}O_4N_4$  1) Monacetat d. 2,4-Diphenylazo-1,3,5-Trioxobenzol. Sm. 222—223° u. Zers. (Soc. 71, 190). — IV, 1450.
- $C_{20}H_{16}O_4N_6$  C 59,4 — H 4,0 — O 15,8 — N 20,8 — M. G. 404.  
 1) Dimethylester d. 4,4'-Biphenyleni[Hydrasocyanessigsäure]. Sm. 270° u. Zers. (Bl. [3] 19, 1034). — IV, 1276, 1457.
- $C_{20}H_{16}O_4Cl_2$  1) 1,4-Dibenzyläther d. 3,6-Dichlor-1,2,4,5-Tetraoxobenzol. Sm. 122 bis 123° (Am. 18, 13).
- $C_{20}H_{16}O_5S$  1)  $\beta$ -Keto- $\alpha\beta$ -Diphenyl- $\alpha$ -[4-Oxyphenyl]äthan- $\beta$ -Sulfonsäure. Ca + 7H<sub>2</sub>O (Soc. 57, 967). — III, 258.  
 2)  $\alpha$ ,3-Lakton d.  $\alpha$ -Oxy- $\alpha\alpha$ -Di[ $\beta$ -Oxyphenyl]- $\alpha$ -[4-Methylphenyl]methan-3-Sulfonsäure + 3H<sub>2</sub>O (4-Methylphenolsulfonphalein) (Am. 16, 514).
- $C_{20}H_{16}O_6N_2$  1) Nartinsäure. Zers. unterh. 200°. HCl, 2HCl, H<sub>2</sub>SO<sub>4</sub>, Ba (A. 212, 70; B. 14, 313). — III, 920.  
 2) 1,2-Lakton d. 6-Nitro-3,4-Dioxy-1-[2-Naphtyl]amidooxymethylbenzol-3,4-Dimethyläther-2-Carbonsäure (Nitrooipiansäure- $\beta$ -Naphylamid). Sm. 232° u. Zers. (B. 29, 2033).  
 3) Diacetat d. Dioxydihydroindigotin (J. pr. [2] 58, 104).  
 $C_{20}H_{16}O_6N_4$  1) 2,5-Di[2-Nitro-4-Methylphenylamido]-1,4-Benzochinon. Zers. bei 140° (B. 23, 2795). — III, 340.
- $C_{20}H_{16}O_6N_6$  C 55,0 — H 3,7 — O 22,0 — N 19,3 — M. G. 436.  
 1) Verbindung (aus  $\gamma$ -Benzööphenylhydrazon). Sm. 137° u. Zers. + 3Br (Am. 21, 50).
- $C_{20}H_{16}O_7N_2$  C 60,6 — H 4,0 — O 28,3 — N 7,1 — M. G. 396.  
 1) Verbindung (aus Essigsäureanhydrid u. Dibenzoylglyoximsperoxyd). Sm. 149° (B. 21, 2839). — III, 298.
- $C_{20}H_{16}O_7Br_2$  1) Diacetat d. Dibrombrasillin. Sm. 249° (B. 27, 528). — III, 654.
- $C_{20}H_{16}O_8N_4$  C 54,5 — H 3,6 — O 29,1 — N 12,7 — M. G. 440.  
 1) 2,3,2',3'-Diimid d. 4,5,4',5'-Tetraoxazobenzoltetramethyläther-2,3,2',3'-Tetracarbonsäure (Imid d. Azohemipinsäure). Sm. 250° u. Zers. (J. pr. [2] 55, 180).
- $C_{20}H_{16}O_8N_6$  C 51,3 — H 3,4 — O 27,3 — N 18,0 — M. G. 468.  
 1) 1,4-Di[P-Dinitro-4-Methylphenylamido]benzol. Sm. oberh. 300° (B. 25, 3007). — IV, 586.
- $C_{20}H_{16}O_8Br_2$  1)  $\alpha$ , $\beta$ - $\beta$ , $\beta$ -Dilakton d.  $\alpha\beta$ -Dibrom- $\alpha\beta$ -Dioxy- $\alpha\beta$ -Di[5,6-Dimethoxyphenyl]äthan-2,2'-Dicarbonsäure (Tetramethoxydiphtalyldibromid). Sm. 260° u. Zers. (M. 14, 142). — II, 2096.
- $C_{20}H_{16}O_8S$  1) Methyläther d. 4-Oxysulfofluorescein (Am. 20, 295).
- $C_{20}H_{16}O_8N_4$  C 52,6 — H 3,5 — O 31,6 — N 12,3 — M. G. 456.  
 1) Verbindung + H<sub>2</sub>O (aus 4-Hydrazidophenoxylessigsäure). Sm. 242° (B. 30, 2104). — IV, 815.
- $C_{20}H_{16}O_9S$  1) 4-Methylsulfongallein (Am. 16, 526).

- C<sub>20</sub>H<sub>14</sub>O<sub>10</sub>N<sub>4</sub>** C 50,8 — H 3,4 — O 33,9 — N 11,9 — M. G. 472.  
 1) Bis-Nitro-m-Oindololon. Sm. noch nicht bei 325° (B. 31, 934).
- C<sub>20</sub>H<sub>14</sub>O<sub>10</sub>S** 1) Tetraacetat d. 1,3,1',3'-Tetraoxypyrenyl-P-Disulfon. Sm. 256° (M. 14, 3). — II, 1037.
- C<sub>20</sub>H<sub>14</sub>NCI** 1) Chlorbenzylat d.  $\beta$ -Naphtochinolin + 2H<sub>2</sub>O. Sm. 196° (J. pr. [2] 57, 53).
- C<sub>20</sub>H<sub>14</sub>NJ** 1) Jodmethylat d. 5-Phenylakridin (A. 224, 20; B. 19, 426). — IV, 467.
- C<sub>20</sub>H<sub>14</sub>N<sub>2</sub>S** 1)  $\alpha$ -Methylehraysylthioharnstoff. Sm. 231° (B. 24, 957). — II, 643.
- C<sub>20</sub>H<sub>14</sub>N<sub>2</sub>S<sub>2</sub>** 1) Di[2-Amido-1-Naphyl]disulfid. HCl (B. 26, 2367). — II, 869.  
 2) Di[5-Amido-1-Naphyl]disulfid. Sm. 192—193°. 2HCl (B. 23, 1121). — II, 869.  
 3) Di[1-Amido-2-Naphyl]disulfid. Sm. 131—132° (B. 20, 1900). — II, 888.  
 4) Di[5-Amido-2-Naphyl]disulfid. Sm. 166°. 2HCl, 2HJ (B. 24, 332). — II, 889.  
 5) 2,2'-Di[4-Methylchinolyl]disulfid. Sm. 167° (B. 21, 627). — IV, 318.
- C<sub>20</sub>H<sub>14</sub>N<sub>4</sub>S** 1) 2-Phenylimido-5-Phenylamido-3-Phenyl-2,3-Dihydro-1,3,4-Thiodiazol. Sm. 154°. HCl (B. 26, 2873). — IV, 687.
- C<sub>20</sub>H<sub>14</sub>N<sub>4</sub>S<sub>2</sub>** 1) 4,4'-Biphenylenphenylthiosemicarbazid. Sm. 220—230° u. Zers. (B. 27, 1560). — IV, 965.
- C<sub>20</sub>H<sub>14</sub>ON** C 53,6 — H 5,9 — O 5,6 — N 4,9 — M. G. 287.  
 1)  $\alpha$ -[2-Oxybenzyliden]amidodiphenylmethan. Sm. 131° (B. 26, 2170). — III, 73.  
 2) 2-[4-Oxybenzyliden]amidodiphenylmethan. Sm. 110° (B. 27, 2787).  
 3) 2-Benzylamidodiphenylmethan. Sm. 116° (B. 27, 2786). — II, 1169.  
 4) Benzyläther d.  $\alpha$ -Oximodiphenylmethan. Sm. 55—56° (M. 5, 205). — III, 189.  
 5)  $\beta$ -Phenylamido- $\alpha$ -Keto- $\alpha$ -Diphenyläthan (Anilbenzoin; Desylanilid). Sm. 97—98°. HCl (J. pr. [2] 34, 2; M. 14, 280; B. 26, 1337). — III, 220.  
 6) Methoxydhydrat d. 5-Phenylakridin. Sm. 140°. Jodid (A. 224, 20; B. 19, 426; B. 25, 1747; J. pr. [2] 45, 197). — IV, 467.  
 7) Benzyloxydhydrat d.  $\beta$ -Naphtochinolin. Chlorid + 2H<sub>2</sub>O, Bichromat + 2H<sub>2</sub>O (J. pr. [2] 57, 53).  
 8) Phenylamid d. Diphenylessigsäure. Sm. 180° (A. 275, 84). — II, 1464.  
 9) Diphenylamid d. Phenylessigsäure. Sm. 72° (B. 22, 324). — II, 1311.  
 10) Diphenylamid d. 1-Methylbenzol-4-Carbonsäure. Sm. 153—155° (B. 20, 2118). — II, 1341.  
 11) Phenylbenzylamid d. Benzolcarbonsäure. Sm. 104° (A. 138, 229). — II, 1166.  
 12) Phenyl[ $\beta$ -Methylphenyl]amid d. Benzolcarbonsäure (A. 132, 293). — II, 1165.
- C<sub>20</sub>H<sub>17</sub>ON<sub>3</sub>** C 76,2 — H 5,4 — O 5,1 — N 13,3 — M. G. 315.  
 1)  $\alpha$ -Phenyl- $\beta$ -[ $\alpha$ -Benzoylamidobenzyliden]hydrazin. Sm. 105°. HCl (A. 296, 290, 293). — IV, 1137.  
 2) 4-[2-Oxybenzyliden]amido-1-Phenylhydrazonmethylbenzol. Sm. 173—174° (J. pr. [2] 58, 106). — IV, 759.  
 3) 4-Benzoylamido-1-Phenylhydrazonmethylbenzol. Sm. 159—160° (J. pr. [2] 58, 104). — IV, 753.  
 4)  $\alpha$ -Oximido- $\beta$ -Phenylhydrazon- $\alpha$ - $\beta$ -Diphenyläthan. Sm. 173—174° (B. 28, 792). — IV, 785.  
 5) 1-[4-Methylphenylbenzoylamido]diazobenzol. Sm. 124—125° (B. 28, 875). — IV, 1570.  
 6) 5-Aethylacetylaminido- $\beta$ -Naphthophenazin (B. 23, 3805). — IV, 1204.  
 7) Phenylamid d. Phenylimidophenylamidoessigsäure. Sm. 134—135° (A. 184, 281; B. 28, 62). — II, 407.  
 C 70,0 — H 4,9 — O 4,7 — N 20,4 — M. G. 343.
- C<sub>20</sub>H<sub>17</sub>ON<sub>5</sub>** 1) 4-Phenylazo-1-[4-Acetylaminodiphenylazo]benzol (Acetylaminodisazo-benzol). Sm. 227° (B. 21, 2144). — IV, 1371.
- C<sub>20</sub>H<sub>17</sub>O<sub>5</sub>N** C 79,2 — H 5,2 — O 10,6 — N 4,6 — M. G. 303.  
 1)  $\alpha$ -Oxy-4-Benzoylamidodiphenylmethan. Sm. 145° (B. 30, 1138).  
 2)  $\beta$ -Oximido- $\alpha$ -Oxy- $\alpha$ - $\alpha$ - $\beta$ -Triphenyläthan. Sm. 153,5° (Bl. [3] 13, 861). — III, 258.  
 3) Benzoylmethyl- $\beta$ -Naphthomorpholin. Sm. 183,5° (B. 31, 760).

- C<sub>20</sub>H<sub>17</sub>O<sub>2</sub>N**
- 4)  $\alpha$ -Phenylamidodiphenylessigsäure. Sm. 168° u. Zers. (B. 22, 1213). — II, 1465.
  - 5) Lakton d. 1-[ $\alpha$ -Oxy- $\beta$ -(6,8-Dimethyl-2-Chinolyl)äthyl]benzol-2-Carbonsäure (Monophthalidyl-*o*-Dimethylchinolindin). Sm. 116° (B. 29, 190). — IV, 451.
  - 6) 4-Methylphenylester d. Diphenylamidoameisensäure. Sm. 81° (B. 24, 2111). — II, 750.
  - 7) 1-Naphtylester d. 1,2,3,4-Tetrahydrochinolin-1-Carbonsäure. Sm. 73° (Bl. [3] 21, 13).
  - 8) 2-Naphtylester d. 1,2,3,4-Tetrahydrochinolin-1-Carbonsäure. Sm. 118—119° (Bl. [3] 21, 13).
  - 9) Benzot d.  $\alpha$ -Amido-2-Oxydiphenylmethan. Sm. 208° (M. 15, 664).
  - 10) Phenylamid d. 2-Oxydiphenylessigsäure. Sm. 143—146° (B. 31, 2815). C 72,5 — H 5,1 — O 9,7 — N 12,7 — M. G. 331.
- C<sub>20</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>**
- 1) 2-[2-Nitrobenzylidenamido]-1-Phenylamidomethylbenzol. Sm. 132 bis 134° (B. 27, 3247). — IV, 638.
  - 2) 4-[4-Nitrobenzylidenamido-1-(4-Methylphenyl)amidobenzol. Sm. 130° (A. 255, 168). — IV, 596.
  - 3)  $\alpha$ -Phenylimido- $\alpha$ -[Methyl-3-Nitrophenyl]amido- $\alpha$ -Phenylmethan. Sm. 97,5°. HJ (B. 30, 1787). — IV, 843.
  - 4)  $\alpha$ -[3-Nitrophenyl]imido- $\alpha$ -Methylphenylamido- $\alpha$ -Phenylmethan. Sm. 107,5°. HJ (B. 30, 1786). — IV, 843.
  - 5)  $\alpha$ -Phenylimido- $\alpha$ -[4-Methylphenyl]amido- $\alpha$ -[4-Nitrophenyl]methan. Sm. 260° (B. 25, 1084). — IV, 844.
  - 6)  $\alpha$ -Benzoylamido- $\alpha$ - $\beta$ -Diphenylharnstoff. Sm. 156° (B. 27, 1518). — IV, 675.
  - 7)  $\alpha$ -Triphenylbiuret. Sm. 147° (B. 4, 250; 21, 504). — II, 383.
  - 8)  $\beta$ -Triphenylbiuret. Sm. 105° (B. 3, 651). — II, 383.
  - 9)  $\alpha$ -Phenylhydrazon- $\alpha$ -[4-Nitrophenyl]- $\alpha$ -[4-Methylphenyl]methan. Sm. 154° (A. 286, 329). — IV, 777.
  - 10)  $\alpha$ -Phenyl- $\alpha$ -Benzyl- $\beta$ -[3-Nitrobenzyliden]hydrazin. Sm. 140—141° (G. 27 [2] 238). — IV, 812.
  - 11) Phenylamid d.  $\alpha$ - $\beta$ -Diphenylharnstoff-2-Carbonsäure. Sm. 218° (J. pr. [2] 32, 292). — II, 1251.
- C<sub>20</sub>H<sub>17</sub>O<sub>2</sub>N<sub>3</sub>**
- 1)  $\alpha$ -[4-Nitrophenyl]azo- $\alpha$ -Methylphenylhydrazon- $\alpha$ -Phenylmethan. Sm. 201—202° (B. 29, 1387). — IV, 1260.
  - 2) Rubazonsäure. Sm. 181° (A. 238, 192). — IV, 1325.
- C<sub>20</sub>H<sub>17</sub>O<sub>2</sub>P**
- 1) Triphenylphosphidooxigassäureanhydrid (Triphenylphosphorbetain). Sm. 124—126° (2HCl, PtCl<sub>4</sub>) (B. 27, 274). — IV, 1661.
- C<sub>20</sub>H<sub>17</sub>O<sub>3</sub>N**
- 1)  $\alpha\alpha$ -Diphenyl- $\beta$ -[2-Pyrrolyl]propionsäure. Sm. 216°. Ag (B. 23, 1355). — IV, 90.
  - 2) 1-Naphtylamid d.  $\alpha$ -Benzoxylpropionsäure. Sm. 155° (A. 279, 97).
  - 3) 2-Naphtylamid d.  $\alpha$ -Benzoxylpropionsäure. Sm. 177° (A. 279, 99). — II, 1154.
- C<sub>20</sub>H<sub>17</sub>O<sub>3</sub>N<sub>5</sub>**
- 1)  $\alpha$ - $\beta$ -Diphenyl- $\beta$ -[2-Nitrobenzyl]harnstoff. Sm. 124—125° (B. 24, 1158; 27, 330). — II, 526.
  - 2)  $\alpha\alpha$ -Diphenyl- $\beta$ -[2-Nitro-4-Methylphenyl]harnstoff. Sm. 138—139,5° (B. 20, 2121). — II, 495.
  - 3) 4-Nitro-2-Benzoylamido-1-[2-Methylphenyl]amidobenzol. Sm. 164 bis 165° (Bl. [3] 17, 867). — IV, 562.
  - 4) 4-Nitro-2-Benzoylamido-1-[4-Methylphenyl]amidobenzol. Sm. 210 bis 211° (Bl. [3] 17, 866). — IV, 562.
  - 5) Acetat d. 3-Oxybenzolazo-1-Acetylaminonaphthalin. Sm. 226° (B. 27, [2] 596).
  - 6) Gallocyaninanilid (B. 21, 1741; 25, 2995). — III, 677.
- C<sub>20</sub>H<sub>17</sub>O<sub>3</sub>N<sub>5</sub>**
- 1)  $\alpha$ -Phenyl- $\beta$ -[4-Methylphenyl]azo- $\beta$ -[3-Nitrophenyl]harnstoff. Sm. 96° (B. 21, 2574). — IV, 1572.
  - 2)  $\alpha$ -Phenylhydrazon- $\alpha$ -[4-Methoxyphenyl]azo- $\alpha$ -[4-Nitrophenyl]methan. Sm. 199° (B. 31, 475). — IV, 1419.
- C<sub>20</sub>H<sub>17</sub>O<sub>3</sub>Br**
- 1) Bromdiphenyldibutolakton. Sm. 109° (A. 288, 196).

- $C_{20}H_{11}O_5Br$  2) isom. Bromdiphenyldibutolakton. Sm. 150—151° (*A. 288*, 196).  
 $C_{20}H_{11}O_4N$  C 71,6 — H 5,1 — O 19,1 — N 4,2 — M. G. 335.  
 1) Berberin +  $H_2O$ . Sm. 145° (wasserfrei). Salze meist bek. Lit. bedeutend. — *III*, 798.
- 2) Opianylchinaldin +  $H_2O$ . Sm. 103° (174—175° wasserfrei). HCl, (2HCl,  $PtCl_4$  + 4 $H_2O$ ) (*B. 27*, 1978; *29*, 188). — *IV*, 309.
- 3) Dibenzyläther d. 2-Nitro-1,4-Dioxybenzol. Sm. 83° (78%) (*A. 221*, 374; *Bl. [3]*, 1, 348). — *II*, 1050.
- 4) Acetat d. 1-Diacetylamido-2-Oxyanthraeen. Sm. 164° (*B. 28*, 1423).
- 5) Acetat d. Phenoldichroin (*B. 21*, 250). — *III*, 679.
- 6) 3,4-Dioxy-1-[2-Naphthyl]imidomethylbenzoldimethyläther-2-Carbonsäure. Sm. 195—200° Na (*B. 29*, 181).
- 7) 1-Aethyl-2,5-Diphenylpyrrol-2,5'-Dicarbonsäure. Sm. 220°. Ag (*B. 20*, 1488). — *IV*, 452.
- 8) 1,2-Lakton d. 3,4-Dioxy-1-[1-Naphthylamido]oxymethylbenzoldimethyläther-2-Carbonsäure (Opiansäure- $\alpha$ -Naphthylamid). Sm. 212° u. Zera. (*B. 29*, 180).
- 9) 1,2-Lakton d. 3,4-Dioxy-1-[2-Naphthylamido]oxymethylbenzoldimethyläther-2-Carbonsäure (Opiansäure- $\beta$ -Naphthylamid). Sm. 213° (207—207,5°) (*B. 29*, 181, 203; *M. 13*, 114).
- 10) Methylester d.  $\beta$ -Cyan- $\alpha$ -Dibenzoylpropan- $\beta$ -Carbonsäure. Sm. 195° (*B. 27* [2] 666).
- 11) Dimethylmonamid d. Pulvinsäure. Sm. 211°. Dimethylaminsalz (*A. 282*, 31). — *II*, 2031.
- $C_{20}H_{11}O_4N_3$  C 60,1 — H 4,7 — O 17,6 — N 11,6 — M. G. 363.
- 1) Phenylid-2-Nitrobenzylamin. Sm. 206° (*B. 19*, 1608). — *II*, 521.
- 2) Phenylid-4-Nitrobenzylamin. Sm. 169° (*B. 30*, 69).
- $C_{20}H_{11}O_5N$  C 68,4 — H 4,8 — O 22,8 — N 4,0 — M. G. 351.
- 1) Protopin (Maclein) oder  $C_{19}H_{19}O_5N$ . Sm. 207°. HCl, (2HCl,  $PtCl_4$  + 4 $H_2O$ ), (HCl,  $AgCl$ , +  $H_2O$ ),  $HNO_3$ ,  $H_2Cr_2O_7$  (*A. Spt. 8*, 318; *R. 3*, 182; *B. 23* [2] 698; *M. 19*, 183). — *III*, 806.
- 2) Oxyberberin. Sm. 198—200°. Acetat (*Soc. 57*, 1065). — *III*, 802.
- 3) Hydrastiphthalimid. Sm. 226° (*B. 23*, 2914). — *II*, 2054.
- 4) Acetat d. Phenoloxychroin (*B. 21*, 251). — *III*, 679.
- 5)  $\alpha$ -Aethylester-2-Benzylester d.  $\beta$ -Cyan- $\alpha$ -Keto- $\alpha$ -Phenyläthan- $\beta$ -2-Dicarbonsäure. Sm. 74° (*A. ch. [7]* 1, 496). — *II*, 1962.
- $C_{20}H_{11}O_5N_2$  C 63,3 — H 4,5 — O 21,1 — N 11,1 — M. G. 379.
- 1) 2-Nitrobenzyläther d. 3-[2-Nitrobenzyl]amido-1-Oxybenzol. Sm. 190° (*B. 25*, 3583). — *II*, 1058.
- $C_{20}H_{11}O_6N$  C 65,4 — H 4,6 — O 26,2 — N 3,8 — M. G. 367.
- 1) Dioxyberberin (*Soc. 57*, 1087). — *III*, 803.
- 2) 3-Aethylester d. 4,5-Diketo-1,2-Diphenyltetrahydropyrrol-1 $\beta$ ,3-Dicarbonsäure. Sm. 230° (*B. 30*, 604). — *IV*, 369.
- 3) Aethylimid d.  $\alpha$ - $\beta$ -Dibenzoxyläthan- $\alpha$ - $\beta$ -Dicarbonsäure. Sm. 159—160° (*B. 30*, 3040).
- 4) Verbindung (aus d. Jodmethylat d. Dioxyethylhydrastimid). Sm. 184 bis 185° (*A. 271*, 395).
- $C_{20}H_{11}O_5N$  C 62,7 — H 4,4 — O 29,2 — N 3,7 — M. G. 383.
- 1) Berberal. Sm. 148—150° (*Soc. 55*, 81; *57*, 1062). — *III*, 802.
- 2) Isoberberal. Sm. 185° (*Soc. 57*, 1081). — *III*, 802.
- 3) Pelagin (*C. 1895* [2] 870; *1896* [1] 113).
- 4) Tetramethoxydiphtalylimid. Zera, oberh. 200° (*M. 14*, 144). — *II*, 2100.
- $C_{20}H_{11}O_5N_2$  C 58,4 — H 4,1 — O 27,2 — N 10,2 — M. G. 411.
- 1) Verbindung (aus d. Methylenäther d. 3,4-Dioxyphenyl-Isonitrosodimethylketon). Sm. 112° (*G. 22* [2] 466). — *II*, 978.
- $C_{20}H_{11}O_6N$  C 60,2 — H 4,3 — O 32,0 — N 3,5 — M. G. 399.
- 1) Anhydrid d. Berberilsäure. Sm. 236—237°. Cu + 2 $H_2O$ , Ag (*Soc. 55*, 78; *57*, 1037). — *III*, 801.
- $C_{20}H_{11}N_2Cl$  1) 2-Benzyldienamido-1-[4-Chlorphenylamido]methylbenzol. Sm. 115 bis 116° (*J. pr. [2]* 52, 383). — *IV*, 627.
- 2) 5-Chlorphenylat d. 2,8-Dimethyl-5,10-Naphtiazin (Dimethylphenylphenazoniumchlorid). +  $FeCl_3$ , 2 +  $PtCl_4$  (*B. 31*, 975). — *IV*, 1016.
- $C_{20}H_{11}N_2Br$  1) 2-Benzyldienamido-1-[4-Bromphenylamido]methylbenzol. Sm. 122° (*J. pr. [2]* 52, 390). — *IV*, 637.

- C<sub>20</sub>H<sub>17</sub>N<sub>2</sub>J**
- 1) Jodmethylat d. **4-Methyl-2,6'-Bichinolyl** (*B. 19*, 1037). — **IV**, 1072.
  - 2) Jodäthylat d. **2,3'-Bichinolyl** (*B. 17*, 2769). — **IV**, 1067.
  - 3) Jodäthylat d. **2,7'-Bichinolyl** (*B. 19*, 2472). — **IV**, 1069.
- C<sub>20</sub>H<sub>17</sub>N<sub>2</sub>S**
- 1)  $\alpha$ -Benzylidenamido- $\alpha$ -Diphenylthioharnstoff. Sm. 182° (*B. 27*, 1514). — **IV**, 750.
  - 2) **5-Phenylamido-2,3-Diphenyl-2,3-Dihydro-1,3,4-Thiodiazol.** Sm. 105—106°. HCl (*B. 30*, 852). — **IV**, 686.
- C<sub>20</sub>H<sub>17</sub>N<sub>2</sub>Cl**
- 1) **2-Chlor-1,4-Diphenyl-2-[4-Methylphenyl]-1,2-Dihydro-1,2,3,5-Tetrazol.** Sm. 229°. + C<sub>2</sub>H<sub>6</sub>O (*B. 27*, 2930). — **IV**, 1268.
- C<sub>20</sub>H<sub>17</sub>N<sub>2</sub>Br**
- 1)  $\alpha$ - $\beta$ -Di[Phenylhydrazeno]- $\alpha$ -[4-Bromophenyl]äthan. Sm. 178—179°. — **IV**, 761.
- C<sub>20</sub>H<sub>18</sub>ON<sub>2</sub>**
- 1) **2-[2-Oxybenzylidenamido]-1-Phenylamidomethylbenzol.** Sm. 124° (*B. 27*, 3247). — **IV**, 638.
  - 2) **4-[2-Oxybenzylidenamido-1-[4-Methylphenyl]amidobenzol.** Sm. 142° (*A. 255*, 167). — **IV**, 597.
  - 3) **2-Amido-1-Benzoylphenylamidomethylbenzol.** Sm. 119° (115°) (*B. 19*, 1608; *B. 23*, 2193; *B. 27*, 3324). — **IV**, 631.
  - 4) **2-Benzoylamido-1-Phenylamidomethylbenzol** (*o*-Benzamidobenzyl-anilin). Sm. 113—114° (*B. 27*, 3324). — **IV**, 631.
  - 5) **4-Acetylaminotriphenylamin.** Sm. 197° (*B. 23*, 2538). — **IV**, 585.
  - 6)  $\alpha$ -Diphenyl- $\beta$ -[4-Methylphenyl]harnstoff. Sm. 130° (*B. 9*, 713). — **II**, 495.
  - 7) **4-Nitrosophenyldibenzylamin.** Sm. 91—92° (*B. 20*, 1616). — **II**, 521.
  - 8)  **$\beta$ -Hydrazon- $\alpha$ -Oxy- $\alpha$  $\beta$ -Triphenyläthan.** Sm. 167—168° (*B. 32*, 656).
  - 9)  **$\alpha$ -Phenylhydrazeno- $\beta$ -Oxy- $\alpha$  $\beta$ -Diphenyläthan** (Phenylhydrazen d. Benzoin). Sm. 158—159° (155°) (*Am. 16*, 113; *B. 21*, 47; *A. 232*, 220). — **IV**, 777.
  - 10) isom. **Benzoindiphenylhydrazen** ( $\beta$ -Modif.). Sm. 106° (*Am. 16*, 113; *B. 21*, 49). — **IV**, 777.
  - 11) isom. **Benzoindiphenylhydrazen** ( $\gamma$ -Modif.). Sm. 162° (*Am. 21*, 45).
  - 12) **Phenyläther d.  $\alpha$ -Phenylhydrazeno- $\beta$ -Oxy- $\alpha$ -Phenyläthan.** Sm. 85 bis 87° (*B. 28*, 3031). — **IV**, 772.
  - 13)  **$\beta$ -Benzoyl- $\alpha$ -Phenyl- $\alpha$ -Benzylhydrazin.** Sm. 139—140° (*G. 22* [2] 223). — **IV**, 812.
  - 14)  **$\alpha$ -Phenyl- $\alpha$ -Benzyl- $\beta$ -[2-Oxybenzyliden]hydrazin.** Sm. 117,5° (*G. 27* [2] 239). — **IV**, 812.
  - 15) **Methyläther d.  $\alpha$ -Phenylhydrazeno-4-Oxydiphenylmethan.** Sm. 132° (*B. 24*, 3526; *B. 26*, 21). — **IV**, 776.
  - 16) **Methyläther d. isom.  $\alpha$ -Phenylhydrazeno-4-Oxydiphenylmethan.** Sm. 90° (*B. 24*, 3526; *B. 26*, 21). — **IV**, 776.
  - 17)  **$\alpha$ -Benzoyloxyamido- $\alpha$ -Phenylimido- $\alpha$ -Phenylmethan.** Sm. 148°. Cu (*B. 31*, 243).
  - 18) **O-Benzyläther d. Benzenylphenylamidoxim.** Sm. 76—77° (*B. 31*, 241).
  - 19) **Benzyläther d. 4'-Oxy-4-Methylenobenzol.** Sm. 128° (*A. 287*, 162). — **IV**, 1413.
  - 20) **5-Phenoxyhydrat d. 2,8-Dimethyl-5,10-Naphtiazin.** Chlorid, Chlorid + FeCl<sub>3</sub>, 2 Chlorid + PtCl<sub>6</sub>, Nitrat (*B. 31*, 975). — **IV**, 1016.
  - 21) **Phenylamid d. 1-Phenylamidomethylbenzol-4-Carbonsäure.** Sm. 183° (*B. 28*, 1144).
  - 22) **Phenylhydrazid d. Diphenylessigsäure.** Sm. 168° (*A. 275*, 85). — **IV**, 671.
  - 23)  **$\beta\beta$ -Diphenylhydrazid d. Phenylessigsäure.** Sm. 188° (*B. 25*, 1553). — **IV**, 670.
- C<sub>20</sub>H<sub>18</sub>ON<sub>4</sub>**
- 1)  $\alpha$ -Phenyl- $\beta$ -Phenylazo- $\beta$ '-4-Methylphenyl]harnstoff. Sm. 126° (*B. 21*, 2563). — **IV**, 1570.
  - 2)  $\alpha$ -Phenyl- $\beta$ -Phenylazo- $\beta$ -Benzylharnstoff. Sm. 119° (*B. 21*, 1021). — **IV**, 1573.
  - 3) **2,4-Di[2-Methylphenylazo]-1-Oxybenzol.** Sm. 146° (116—117°) (*B. 23*, 3257; *B. 24*, 366). — **IV**, 1416.
  - 4) **2,4-Di[4-Methylphenylazo]-1-Oxybenzol.** Sm. 170° (*B. 25*, 1334). — **IV**, 1416.

- $C_{20}H_{18}ON_4$  5) Methyläther d.  $\alpha$ -Phenylhydrazon- $\alpha$ -[4-Oxyphenyl]aso- $\alpha$ -Phenylmethan (M. d. 4 Oxyformylbenzol). Sm. 154° (B. 29, 1850). — IV, 1261.  
 6) 4-Methylphenylamidoformyldiazoamidobenzol. Sm. 134° (B. 21, 2561). — IV, 1561.  
 7) 3-Methyl-2-[4-Acetylaminodiphenyl]-2,3-Dihydro-1,2,4-Naphthisotriazin. Sm. 161—162° (Soc. 59, 712). — IV, 1396.
- $C_{20}H_{18}O_2N_2$
- 1) 4-Nitrophenyldibenzylamin. Sm. 130° (B. 20, 1613). — II, 521.
  - 2) 3-Acetylamido-1-[Acetyl-2-Naphthyl]amidobenzol. Sm. 147—148° (B. 26, 979). — IV, 573.
  - 3)  $\rho$ -Acetylamido-1-[ $\rho$ -Acetylaminodiphenyl]naphthalin. Sm. 285° (B. 26, 144). — IV, 1033.
  - 4) 1,4-Diacetyl-2,3-Diphenyl-1,4-Dihydro-1,4-Diazin. Sm. 132—133° (Soc. 63, 1293). — III, 284.
  - 5) 3,6-Di[Phenylamido]-2,5-Dimethyl-1,4-Benzochinon. Sm. 264° (A. 255, 171). — III, 364.
  - 6) Methyläther d.  $\rho$ -Phenylamido- $\rho$ -Oxy-2-Methyl-1,4-Benzochinon-phenylimid. Sm. 131° (B. 16, 1561). — III, 361.
  - 7) Aethyläther d. 5-Phenylamido-2-Oxy-1,4-Benzochinonphenylimid. Sm. 134° (137°) (B. 18, 788; 21, 676). — III, 347.
  - 8) 3-Phenylhydrazon-2,4-Diketooktohydrophenanthren. Sm. 156° (B. 31, 1902). — IV, 1480.
  - 9) 6-Methyläther d. 6-Oxy-2-[2-Oxyphenyl]-1-Phenyl-2,3-Dihydrobenzimidazol. Sm. 132° (B. 29, 2682).
  - 10) Diäthylamidophenonaphthoxazon. Sm. 205° (A. 289, 126). — IV, 1061.
  - 11) Däthyllindigo (B. 16, 2202). — II, 1621.
  - 12) Phenylharnstoff d. Methyl- $\beta$ -Naphthomorpholin. Sm. 180° (B. 31, 760).
  - 13) Aethylester d. 3-[ $\beta$ -Phenyläthenyl]-1-Phenylpyrazol-5-Carbonsäure. Sm. 120° (B. 31, 1309). — IV, 988.
  - 14)  $\alpha\beta$ -Diacetyl- $\alpha$ -Phenyl- $\beta$ -[1-Naphthyl]hydrazin. Sm. 264° (B. 26, 144). — IV, 1504.
  - 15) Benzoz d. 6-Oxy-3-Methyl- $\alpha$ -Diphenylhydrazin. Sm. 151—152° (B. 24, 2305). — IV, 1506.
  - 16)  $\alpha$ -Benzoyl- $\alpha$ -Phenyl- $\beta$ -[4-Oxy-3-Methylphenyl]hydrazin. Sm. 142° (B. 25, 1331). — IV, 1505.
- $C_{20}H_{18}O_2N_4$
- 1) 2-Benzylnitrosamido-1-Phenylnitrosamidomethylbenzol. Sm. 124° (B. 27, 3243). — IV, 628.
  - 2) 1,3-Di[4-Methylphenylnitrosamido]benzol. Zers. bei 150° (J. pr. [2] 33, 223). — IV, 573.
  - 3) 1,4-Di[2-Methylphenylnitrosamido]benzol. Sm. 140° (J. pr. [2] 34, 69). — IV, 585.
  - 4) 1,4-Di[4-Methylphenylnitrosamido]benzol. Sm. 152° u. Zers. (J. pr. [2] 33, 234). — IV, 586.
  - 5)  $\alpha$ -Diphenyl-1,3-Phenylendiarnstoff (B. 18, 1478). — IV, 575.
  - 6) 3,5-Dioxy-1,2-Di[Phenylhydrazonmethyl]benzol. Sm. 230° u. Zers. (A. 248, 105; B. 24, 3652). — IV, 764.
  - 7)  $\rho$ -Di[2-Methylphenylazo]-1,3-Dioxybenzol. Sm. 194—195° (B. 15, 2825). — IV, 1445.
  - 8) isom.  $\rho$ -Di[2-Methylphenylazo]-1,3-Dioxybenzol (B. 15, 2825). — IV, 1445.
  - 9)  $\rho$ -Di[4-Methylphenylazo]-1,3-Dioxybenzol. Sm. 255—256° (B. 15, 2825). — IV, 1445.
  - 10) isom.  $\rho$ -Di[4-Methylphenylazo]-1,3-Dioxybenzol. Sm. 202—203° (B. 15, 2825). — IV, 1445.
  - 11) 4-Aethyläther d. 2-Phenylazo-4-[4-Oxyphenyl]aso-1-Oxybenzol. Sm. 142° (B. 32, 125).
  - 12) 3,3'-Diketo-5,5'-Dimethyl-2,2'-Diphenyl-2,3,2',3'-Tetrahydro-4,4'-Bipyratzol (B. 16, 2597; 17, 2044, 2059; 20, 2749; 22, 160; 29, 1658; Soc. 59, 339; A. 238, 168; J. pr. [2] 54, 185). — IV, 1262.
  - 13) Di[Phenylhydrazid] d. Benzol-1,2-Dicarbonsäure. Sm. 191° (J. pr. [2] 35, 282). — IV, 711.
  - 14)  $\alpha$ -Di[Cinnamylidenhydrazid] d. Oxalsäure (J. pr. [2] 51, 196). — III, 62.

- C<sub>20</sub>H<sub>18</sub>O<sub>2</sub>N<sub>4</sub>** 15) Verbindung (aus Benzaldoxim u. Diazobenzolchlorid). Sm. 125° u. Zers. (B. 25, 1688). — IV, 754.
- C<sub>20</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>** C 71,8 — H 5,4 — O 14,4 — N 8,4 — M. G. 334.
- 1) Phenylhydrazon d. Oreoselon. Sm. 194° (C. 1899 [1] 432).
  - 2) 2-Methylphenylamido-2-Methylphenylimid d. Akonitsäure. Sm. 214° (Soc. 55, 239). — II, 468.
- C<sub>20</sub>H<sub>18</sub>O<sub>3</sub>N<sub>4</sub>** C 66,6 — H 5,0 — O 13,2 — N 15,5 — M. G. 362.
- 1) 3,5-Di[4-Methylphenylnitrosamido]-1-Oxybenzol. Zers. bei 230° (G. 20 [1] 321). — II, 724.
  - 2) 2,4-Di[4-Methylphenylazo]-1,3,5-Trioxypyridin. Sm. 214° (B. 12, 227). — IV, 1451.
  - 3) Phenylhydrazoneoxydehydracetsäure. Sm. 105° u. Zers. (B. 25, 325). — IV, 716.
  - 4) Amid d. 3-[2-Methylphenyl]imido-5-[2-Methylphenyl]amido-2-Keto-6-Oxy-2,3-Dihydropyridin-4-Carbonsäure (B. 27, 3449). — IV, 1140.
- C<sub>20</sub>H<sub>18</sub>O<sub>4</sub>N<sub>2</sub>** C 68,6 — H 5,1 — O 18,3 — N 8,0 — M. G. 350.
- 1) 5,5'-Diketo-3,3'-Dimethyl-1,1'-Diphenyl-4,5,4',5'-Tetrahydro-4,4'-Bipyrazol (Am. 16, 584).
  - 2) Diacetat d. 1-Phenylhydrazido-3,4-Dioxynaphthalin. Sm. 178° (A. 286, 84). — IV, 1449.
  - 3)  $\alpha$ -Lakton d.  $\gamma$ -Phenylhydrazone- $\alpha$ -Oxy- $\alpha$ -Phenyl- $\alpha$ -Buten- $\beta$ -2-Dicarbonyl- $\beta$ -Acetyl ester. Sm. 238—239° (A. 236, 189). — IV, 725.
  - 4) Verbindung (aus Isosafrrol). Sm. 180° (G. 22 [2] 483). — II, 979.
  - 5) Verbindung (aus 1,4-Benzochinon u. 2-Amido-1-Oxybenzolmethyläther). Sm. 230° (A. 226, 69). — III, 346.
- C<sub>20</sub>H<sub>18</sub>O<sub>4</sub>N<sub>4</sub>** C 63,5 — H 4,7 — O 16,9 — N 14,8 — M. G. 378.
- 1) 1,2-Di[2-Nitrophenylamidomethyl]benzol. Sm. 211—212° (B. 31, 630).
  - 2) 1,3-Di[2-Nitrobenzylamido]benzol. Sm. 134° (B. 25, 3583). — IV, 573.
  - 3) Diacetyltolanharhnstoff. Sm. 266° u. Zers. (G. 19, 564). — III, 285.
  - 4)  $\alpha$ -Phenyl- $\alpha$ -Di[2-Nitrobenzyl]hydrazin. Sm. 128° (B. 25, 2899). — IV, 412.
- C<sub>20</sub>H<sub>18</sub>O<sub>4</sub>Br<sub>2</sub>** 1) Monoisoamyläther d. Dibromchrysin (B. 10, 177). — III, 628.
- C<sub>20</sub>H<sub>18</sub>O<sub>4</sub>S<sub>2</sub>** 1) Disulfid d.  $\beta$ -Merkapto- $\gamma$ -Diketo- $\alpha$ -Phenylbutan (Dithiobenzoyl-aceton). Sm. 117—118°. Na<sub>2</sub>, Fe<sub>2</sub>, Cu, + 2NH<sub>3</sub> (Bl. [3] 19, 835).
- C<sub>20</sub>H<sub>18</sub>O<sub>4</sub>S<sub>4</sub>** 1) Phenyläther d.  $\alpha$ -Diphenylsulfon- $\alpha$ -Merkaptoäthan. Sm. 194° (B. 23, 1416). — II, 784.
- C<sub>20</sub>H<sub>18</sub>O<sub>5</sub>N<sub>2</sub>** C 65,6 — H 4,9 — O 21,9 — N 7,6 — M. G. 366.
- 1) Anhydrid d.  $\alpha\beta$ -Di[Phenylacetyl amido]bernsteinsäure. Sm. 192° (B. 26, 1772). — II, 493.
- C<sub>20</sub>H<sub>18</sub>O<sub>5</sub>Br<sub>4</sub>** 1) Tetramethyläther d. Dibrombrasiliindibromid. + C<sub>3</sub>H<sub>4</sub>O<sub>2</sub> (B. 23, 1432). — III, 653.
- 2) Dibromid (aus Brasilintetramethyläther) (B. 21, 3014). — III, 653.
- C<sub>20</sub>H<sub>18</sub>O<sub>5</sub>S<sub>2</sub>** 1)  $\alpha$ -[4-Methylphenylsulfon- $\gamma$ -[2-Naphthyl]sulfon- $\beta$ -Ketopropan. Sm. 185° u. Zers. (J. pr. [2] 55, 409).
- C<sub>20</sub>H<sub>18</sub>O<sub>6</sub>N<sub>2</sub>** C 62,8 — H 4,7 — O 25,1 — N 7,3 — M. G. 382.
- 1) Cupronin. HCl, HBr (A. 212, 190). — III, 921.
  - 2) Diäthyläther d. 4,5-Di[4-Oxybenzoyl]-1,2,4,6-Dioxiazol (I. d. 4-Dioxydiphenylendisacyl). Sm. 131° (R. 10, 220). — III, 134.
  - 3) Verbindung (aus Opianäure) (B. 26, 536). — II, 1941.
- C<sub>20</sub>H<sub>18</sub>O<sub>6</sub>Br<sub>2</sub>** 1)  $\alpha\beta$ -Methylenäther- $\gamma$ -Aethyläther- $\gamma$ -Acetat d.  $\alpha\beta$ -Dibrom- $\gamma$ -Keto- $\gamma$ -[2,4-Dioxyphenyl]- $\alpha$ -[3,4-Dioxyphenyl]propan. Sm. 130° (B. 31, 705).
- 2) Dibrompseudoecubelin. Sm. 177° (C. 1898 [2] 127).
- C<sub>20</sub>H<sub>18</sub>O<sub>6</sub>S<sub>2</sub>** 1)  $\alpha\alpha\alpha$ -Triphenyltrisulfonäthan. Sm. 182° (B. 25, 353). — II, 784.
- 2)  $\alpha\alpha\beta$ -Triphenyltrisulfonäthan. Sm. 85—86° (B. 24, 1835; 27, 3057). — II, 785.
- C<sub>20</sub>H<sub>18</sub>O<sub>7</sub>N<sub>2</sub>** C 60,3 — H 4,5 — O 28,1 — N 7,0 — M. G. 398.
- 1) Diemetyljin (C. 1895 [1] 163).
  - 2) Diopianhydrazonsäureanhydrid. Sm. 225° (B. 26, 534). — II, 1942.
  - 3) Diacetat d. Gallocyaninmethylether (B. 21, 1744). — III, 677.
  - 4) Amid d. Anhydroberberilsäure. Sm. 203° (Soc. 57, 1046). — III, 802.
- C<sub>20</sub>H<sub>18</sub>O<sub>8</sub>N<sub>2</sub>** C 58,0 — H 4,3 — O 30,9 — N 6,8 — M. G. 414.
- 1) Tetracetat d.  $\beta$ -Tetraoxazobenzol. Sm. 240—242° (C. 1897 [2] 588).

- $C_{20}H_{15}O_1N_2$  C 53,8 — H 4,0 — O 35,9 — N 6,3 — M. G. 446.  
 1) Dinitrocubebin (*C. 1896* [2] 128).  
 2) Dinitropseudocubebin (*C. 1896* [2] 127).  
 3) 2,2'-Dialdehyd d. 4,5,4',5'-Tetraoxazobenzoltetramethyläther-  
   2,3,2',3'-Tetracarbonsäure (Azoopinsäure). Sm. 174° u. Zers.  $N_2 +$   
    $3H_2O$ ,  $K_2 + 6H_2O$ , Pb, Cu (*J. pr.* [2] 55, 173).
- $C_{20}H_{15}O_1S_2$  1) Tetracytlanhydrid d. 1,2,3-Trioxybenzol- $\beta$ -Sulfonsäure (*A. 178*, 187). — II, 1016.
- $C_{20}H_{15}N_2Cl_2$  1) 1,2-Di[2-Chlorphenylamidomethyl]benzol. Sm. 79° (*B. 31*, 1157).  
 2) Chinolinäthylenbromid +  $H_2O$  (*B. 16*, 879). — IV, 252.  
 3) Dichlormethylat d. 2,3'-Bichinolyl +  $6H_2O$ . +  $Cl_2J_2$  (*B. 18*, 597). — IV, 1067.
- $C_{20}H_{15}N_2Br_2$  1) 1,2-Di[2-Bromphenylamidomethyl]benzol. Sm. 132° (*B. 31*, 1157)  
   2) Chinolinäthylenbromid +  $H_2O$  (*B. 16*, 879). — IV, 252.
- $C_{20}H_{15}N_2J$  1) Diiodmethylylat d. 6,6'-Bichinolyl. Sm. oberh. 290° (*M. 5*, 422; *B. 17*, 1819; 2447). — IV, 1069.
- $C_{20}H_{15}N_2S$  1)  $\alpha\beta$ -Diphenyl- $\beta$ -Diphenylimethylthioharnstoff (s-Phenylbenzhydrylthioharnstoff). Sm. 180,5° (*B. 26*, 2170). — II, 635.  
 2)  $\alpha\beta$ -Diphenyl- $\alpha$ -Benzylthioharnstoff. Sm. 103°. Ag (*B. 26* [2] 607). — II, 528.  
 3) Benzyläther d. Diphenylamidoimidomerkaptomethan. Sm. 125°. HCl (*B. 26* [2] 607). — II, 366.  
 4) Benzyläther d.  $\alpha$ -Phenylamido- $\alpha$ -Phenylimiderkaptomethan. Fl. HCl, ( $HgCl_2$ ) (*Soc. 57*, 297). — II, 1054.
- $C_{20}H_{15}N_2Cl$  1) 5-Chlorphenylat d. 3-Amido-2,8-Dimethyl-5,10-Naphthiazin. 2 +  $PtCl_4$  (*B. 31*, 968, 976). — IV, 1185.
- $C_{20}H_{15}N_2S$  1) Dimethylaposafraninchlorid. 2 +  $PtCl_4$  (*B. 30*, 2625). — IV, 1177.  
 2) Triphenylguanylothioharnstoff (Triphenylthiodicyandiamin). Sm. 150° (*B. 12*, 774). — II, 398.  
 3) Thiotetrapyrnidin. Sm. 155°. 2HCl, ( $HgCl_2$ ), (2HCl,  $PtCl_4$ ) (*Bl. 34*, 450). — IV, 859.
- $C_{20}H_{15}N_2S$  1) 1,2-Phenylendi[Phenylthioharnstoff]. Sm. 290° u. Zers. (*A. 228*, 200). — IV, 560.  
 2) 1,3-Phenylendi[Phenylthioharnstoff]. Sm. 160—161° (*A. 228*, 203). — IV, 576.  
 3) 1,4-Phenylendi[Phenylthioharnstoff] (*A. 221*, 28). — IV, 592.
- $C_{20}H_{15}ON$  C 83,0 — H 6,6 — O 5,5 — N 4,8 — M. G. 289.  
 1)  $\beta$ -Phenylamido- $\alpha$ -Oxy- $\alpha\beta$ -Diphenyläther (Hydrobenzoanilid). Sm. 119° (*J. pr.* [2] 34, 13). — III, 220.  
 2)  $\alpha$ -[1-Naphtyl]amidopropylphenylketon. Sm. 137—138° (*Bl. 3* 17, 78).  
 3)  $\alpha$ -[2-Naphtyl]amidopropylphenylketon. Sm. 151—152° (*Bl. 3* 17, 78).  
 4) Benzyläther d. Diphenylmethylhydroxylamin. HCl (*A. 278*, 363). — II, 636.
- $C_{20}H_{15}ON_3$  C 75,7 — H 6,0 — O 5,0 — N 13,3 — M. G. 317.  
 1)  $\alpha$ -Diphenyl- $\beta$ -[2-Amido-4-Methylphenyl]harnstoff. Sm. 135—137° (*B. 20*, 2123). — IV, 614.  
 2)  $\alpha\beta$ -Diphenyl- $\alpha$ -[2-Amidobenzyl]harnstoff. Sm. 177°. HCl, (2HCl,  $PtCl_4$ ), Oxalat, Pikrat (*B. 27*, 40; *J. pr.* [2] 55, 240). — IV, 632.  
 3)  $\beta$ -Phenylbenzylamido- $\alpha$ -Phenylharnstoff. Sm. 163°. — IV, 674.  
 4)  $\alpha$ -Phenyl- $\beta$ -[2-Phenylamidomethylphenyl]harnstoff. Sm. 102° (*B. 27*, 45). — IV, 633.  
 5) 4-Amidophenyläther d.  $\alpha$ -Phenylhydrazone- $\beta$ -Oxy- $\alpha$ -Phenyläther. Sm. 128° (*C. 1897* [1] 411).  
 6) 4-Cinnamylidenamido-3-Keto-1,5-Dimethyl-2-Phenyl-2,3-Dihydropyrazol. Sm. 160° (*A. 293*, 62). — IV, 1109.  
 7) Diäthylamidophenonaphtoxasin +  $H_2O$  (Acetylnilblau). HCl (*A. 289*, 115). — IV, 1209.  
 8) Dimethylaposafranin. 2 Chlorid +  $PtCl_4$ , Nitrat +  $1/2H_2O$ , Bichromat (*B. 30*, 2624). — IV, 1177.
- $C_{20}H_{15}ON_5$  C 69,6 — H 5,5 — O 4,6 — N 20,3 — M. G. 345.  
 1) 6-Dimethylamido-4-Oxy-1,3-Di[Phenylazo]benzol. Sm. 136° (*B. 31*, 490). — IV, 1417.

- C<sub>20</sub>H<sub>19</sub>ON<sub>5</sub>** 2) 4-[4-Dimethylamidophenyl]azo-1-[4-Oxyphenylazo]benzol (*Soc.* **45**, 111). — **IV**, *1416*.
- C<sub>20</sub>H<sub>19</sub>ON<sub>7</sub>** C 64,3 — H 5,1 — O 4,3 — N 26,3 — M. G. 373.
- C<sub>20</sub>H<sub>19</sub>O<sub>2</sub>N** 1) Verbindung (aus Phenylhydrazoncyanaceton u. Phenylhydrazondiacetonitril). Sm. 165° (*J. pr.* [2] **52**, 94). — **IV**, *1477*.
- C<sub>20</sub>H<sub>19</sub>O<sub>2</sub>N<sub>5</sub>** C 78,7 — H 6,2 — O 10,5 — N 4,6 — M. G. 305.
- 1) Isopropyläther d. 4-[4-Methylphenyl]imido-2-Oxy-1-Keto-1,4-Dihydronaphthalin. Sm. 137—139° (*B.* **15**, 1970). — **III**, *394*.
- 2) Aethylester d. 2-Methyl-1,5-Diphenylpyrrol-3-Carbonsäure. Sm. 100° (*B.* **18**, 2595). — **IV**, *357*.
- C<sub>20</sub>H<sub>19</sub>O<sub>2</sub>N<sub>3</sub>** C 72,1 — H 5,7 — O 9,6 — N 12,6 — M. G. 333.
- 1) Di[Phenylamid] d. 2,4-Dimethylpyrrol-3,5-Dicarbonsäure. Sm. 255° (*A.* **238**, 331). — **IV**, *93*.
- C<sub>20</sub>H<sub>19</sub>O<sub>2</sub>N<sub>5</sub>** C 66,5 — H 5,3 — O 8,8 — N 19,4 — M. G. 361.
- 1) 1-[4-Dimethylamidophenyl]azo-4-[2,4-Dioxypyrenylazo]benzol (*Soc.* **45**, 110). — **IV**, *1444*.
- C<sub>20</sub>H<sub>19</sub>O<sub>3</sub>N** C 74,8 — H 5,9 — O 14,9 — N 4,4 — M. G. 321.
- 1) Cusparin (oder C<sub>19</sub>H<sub>17</sub>O<sub>3</sub>N). Sm. 92° (89%). HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 6H<sub>2</sub>O), (HCl, AuCl<sub>4</sub>), HBr, (HBr, Br<sub>2</sub>), HJ, H<sub>2</sub>SO<sub>4</sub> + 7H<sub>2</sub>O (*G.* **13**, 363; *B.* **25** [2] 201; **29** [2] 35; *C.* **1895** [2] 826). — **III**, *777*.
- 2) Aethylapocinchensäure + H<sub>2</sub>O. Sm. 124—126° (161—162° wasserfrei). Ag, (2HCl, PtCl<sub>4</sub>) (*B.* **18**, 2384; **20**, 2680). — **III**, *839*.
- 3) 6-[4-Methylphenyl]amido-4-Keto-2-Phenyl-1,2,3,4-Tetrahydrobenzol-3-Carbonsäure. Sm. 190° u. Zers. (*A.* **294**, 280).
- 4) Cantharidin-1-Naphtylimid. Sm. 230—232° (*G.* **21** [1] 467). — **III**, *623*.
- 5) Verbindung (Säure aus Rosanilin) (*B.* **5**, 144). — **II**, *1090*.
- C<sub>20</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** C 68,8 — H 5,4 — O 13,7 — N 12,0 — M. G. 349.
- 1) Verbindung (aus  $\alpha\beta\gamma\delta$ -Tetraketo- $\alpha\delta$ -Diphenylbutan). Sm. 167° (*B.* **25**, 3473). — **III**, *323*.
- C<sub>20</sub>H<sub>19</sub>O<sub>4</sub>N** C 71,2 — H 5,6 — O 19,0 — N 4,2 — M. G. 337.
- 1) Aethylester d. 4,5-Diketo-2-Phenyl-1-[4-Methylphenyl]tetrahydro-pyrrol-3-Carbonsäure. Sm. 152—153° (*B.* **30**, 603). — **IV**, *969*.
- 2)  $\beta,2'$ -Methylenim d.  $\alpha\beta$ -Diphenylpropan- $\beta,2'$ -Tricarbonsäure-2-Methylester. Sm. 145° (*B.* **27**, 2945). — **II**, *2027*.
- 3)  $\alpha\gamma$ -Phenylimid d.  $\beta$ -Phenylpropan- $\alpha\gamma$ -Tricarbonsäure- $\alpha$ -Aethyl-ester. Sm. 166° (*C.* **1899** [1] 730).
- C<sub>20</sub>H<sub>19</sub>O<sub>4</sub>Br** 1) Diphenylester d. 2-Bromhexahydrobenzol-1,4-Dicarbonsäure. Sm. 127° (*A.* **258**, 33). — **II**, *1835*.
- C<sub>20</sub>H<sub>19</sub>O<sub>4</sub>P** 1) Citronellalphosphorsäure. Sm. 203° (*Am.* **12**, 555). — **III**, *475*.
- C<sub>20</sub>H<sub>19</sub>O<sub>5</sub>N** C 68,0 — H 5,4 — O 22,7 — N 3,9 — M. G. 353.
- 1) Tetramethyläther d. 6,7-Dioxy-1-[3,4-Dioxypyrenyl]isochinolin (Papaveraldin). Sm. 210°. HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O), HNO<sub>3</sub> + 2H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub>, Pikrat (*M.* **6**, 956; *T.* **46**). — **IV**, *442*.
- 2) Hydrocotarnipinaltid. Sm. 193°. (2HCl, PtCl<sub>4</sub>), HJ (*B.* **29**, 186). — **III**, *909*.
- 3) Chelidonin + H<sub>2</sub>O. Sm. 135°. HCl, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), (HCl, AuCl<sub>4</sub>), HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> + 2H<sub>2</sub>O (*A.* **29**, 123, 131; **35**, 113; *R.* **3**, 190; *Bl.* [3] **13**, 446; *Fr.* **24**, 165; *M.* **18**, 387). — **III**, *805*.
- 4) Protopin, siehe C<sub>20</sub>H<sub>17</sub>O<sub>5</sub>N. — **III**, *806*.
- C<sub>20</sub>H<sub>19</sub>O<sub>5</sub>Br<sub>3</sub>** 1) Tetramethyläther d. Brombrasileindibromid. + 2C<sub>2</sub>H<sub>4</sub>O<sub>2</sub> (*B.* **23**, 1432). — **III**, *653*.
- C<sub>20</sub>H<sub>19</sub>O<sub>6</sub>N<sub>2</sub>** C 60,4 — H 4,8 — O 24,2 — N 10,6 — M. G. 397.
- 1) Diäthyläther d. 1-(2,4-Dinitro-3,6-Dioxypyrenyl)amidonaphthalin Sm. 128° (*B.* **24**, 3830). — **II**, *949*.
- C<sub>20</sub>H<sub>19</sub>O<sub>7</sub>N** C 62,3 — H 4,9 — O 29,1 — N 3,6 — M. G. 385.
- 1) Methylnornarkotin (*A. Spt.* **7**, 62). — **III**, *915*.
- 2) Oxim d. Hydrastonsäure. Na (*B.* **26** [2] 1008). — **II**, *2056*.
- 3) 4-Methylphenylamid d. 3,4,5-Triacetoxybenzol-1-Carbonsäure (*Bl.* [3] **11**, 83). — **II**, *1923*.
- 4) Verbindung (aus Berberilsäureanhydrid). Sm. 139—140° (*Soc.* **57**, 1044). — **III**, *802*.
- C<sub>20</sub>H<sub>19</sub>O<sub>6</sub>N** C 59,9 — H 4,7 — O 31,9 — N 3,5 — M. G. 401.
- 1) Opiammon (*A.* **50**, 6). — **II**, *1941*.

- C<sub>26</sub>H<sub>19</sub>O<sub>6</sub>N** C 57,6 — H 4,6 — O 34,5 — N 3,3 — M. G. 417.  
 1) **Berberisäure.** Sm. 177—182°. Ag<sub>2</sub> (Soc. 57, 1048). — **III, 801.**  
 2) **Verbindung** (aus Hemipinsäure u. Amidoäthylpicrylylcabonsäure-anhydrid). Sm. 180° (Soc. 55, 77; 57, 1099). — **II, 1995.**
- C<sub>26</sub>H<sub>18</sub>O<sub>10</sub>Br<sub>2</sub>** 1) **Tribromerythrin + 1½H<sub>2</sub>O.** Sm. 139° (wasserfrei) (A. 117, 310). — **II, 1753.**
- C<sub>26</sub>H<sub>19</sub>O<sub>11</sub>Cl<sub>4</sub>** 1) **Verbindung** (aus Katechin) (Soc. 41, 92). — **III, 685.**
- C<sub>26</sub>H<sub>19</sub>N<sub>3</sub>Cl** 1) **Base** (aus Methylacetanilid). HCl, 2HCl (Bl. [3] 11, 1028). — **IV, 1046.**
- C<sub>26</sub>H<sub>19</sub>N<sub>5</sub>S** 1) **Phenylamidothioformyl-4-Methyl-s-Diphenylhydrasin.** Sm. 152° (A. 303, 371). — **IV, 1502.**  
 2) **β-Phenylbenzylamido-α-Phenylthioharnstoff.** Sm. 150° (A. 252, 289). — **IV, 680.**
- C<sub>26</sub>H<sub>20</sub>ON<sub>2</sub>** C 78,9 — H 6,6 — O 5,3 — N 9,2 — M. G. 304.  
 1) **3,5-Di[4-Methylphenylamido]-1-Oxybensol.** Sm. 120—121° (2HCl, PtCl<sub>4</sub>) (G. 20, 321). — **II, 724.**  
 2) **Methyläther d. β-Diamido-4-Oxytriphenylmethan** (G. 15, 57). — **II, 904.**  
 3) **1-Aethylacetylamido-2-Phenylamidonaphthalin.** Sm. 197—198° (B. 26, 190). — **IV, 918.**  
 4) **Aethyläther d. α-Phenylhydrazon-α-[1-Oxy-2-Naphthyl]äthan.** Sm. 117° (B. 28, 1947). — **IV, 775.**  
 5) **Dehydrochroinin** (B. 20, 2517). — **III, 817.**  
 6) **Chinolinmethoxyd.** Sm. unterh. 50° (B. 15, 195). — **IV, 250.**  
 7) **isom. Chinolinmethoxyd.** Sm. 72—75°. (HCl, AuCl<sub>3</sub>) (B. 18, 595).
- C<sub>26</sub>H<sub>20</sub>ON<sub>4</sub>** C 72,3 — H 6,0 — O 4,8 — N 16,9 — M. G. 332.  
 1) **Acetylaminodiphenylindulin.** Sm. 160° (A. 286, 199).
- C<sub>26</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>** C 75,0 — H 6,2 — O 10,0 — N 8,7 — M. G. 320.  
 1) **Däthyläther d. 4-Oxy-1-[4-Oxyphenyl]azonaphtalin.** Sm. 122—123° (B. 27, 2358). — **IV, 1440.**  
 2) **2'-Aethyläther d. 6-Oxy-4-Methyl-2-[4-Oxyphenyl]-5-Benzyl-1,3-Diazin.** Sm. 242° (B. 23, 2955). — **IV, 1041.**  
 3) **Dimethoxyhydrat d. 6,6'-Bichinolyl.** Jodid, Sulfat + 2H<sub>2</sub>O (B. 17, 2447). — **IV, 1069.**  
 4) **Hydroxyolepinid.** Sm. 280° (B. 19, 3300). — **IV, 317.**  
 5) **Benzoyldihydroharmalin.** Sm. 158—159° (B. 30, 2485).  
 6) **Verbindung** (Base aus Rosanulin). Sm. 176° (B. 5, 144). — **II, 1090.**
- C<sub>26</sub>H<sub>20</sub>O<sub>4</sub>N<sub>4</sub>** C 68,9 — H 5,7 — O 9,2 — N 16,1 — M. G. 348.  
 1) **Phenylhydrasin + αβ-Dioximido-αβ-Diphenyläthan.** Sm. 149—150° (B. 21, 183). — **IV, 785.**  
 2) **1,4-Diacetyl-3,6-Dibenzyl-1,4-Dihydro-1,2,4,5-Tetrazin.** Sm. 93° (B. 30, 1889; A. 298, 23). — **IV, 1290.**  
 3) **Di[Phenylhydrasid] d. Isodehydracettsäure.** Sm. 125° (A. ch. [6] 24, 107). — **IV, 715.**
- C<sub>26</sub>H<sub>20</sub>O<sub>5</sub>N<sub>2</sub>** C 71,4 — H 5,9 — O 14,3 — N 8,3 — M. G. 336.  
 1) **1-Acetyl-3-[4-Methylphenyl]acetylamido-2-Keto-5-Methyl-2,3-Dihydroindol.** Sm. 147° (B. 18, 193). — **II, 1653.**  
 2) **αβ-Di[Phenylimido]-γ-Ketopantan-α-Carbonsäure.** Sm. 146° (Bl. [3] 13, 479).
- C<sub>26</sub>H<sub>20</sub>O<sub>5</sub>N<sub>4</sub>** C 65,9 — H 5,5 — O 13,2 — N 15,4 — M. G. 364.  
 1) **α-Phenylhydrazon-β-Phenylhydrazido-α-[2,3,4-Trioxophenyl]äthan.** Sm. 214—215° (B. 21, 1973; J. r. 25, 123). — **IV, 772, 800.**  
 2) **2-Dimethylalloxanylamidodi[4-Methylphenyl]amin.** Sm. 217—218° u. Zers. (B. 26, 544). — **IV, 616.**
- C<sub>26</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>** C 68,2 — H 5,7 — O 18,2 — N 7,9 — M. G. 352.  
 1) **4,4'-Di[β-Ketobutyrylamido]biphenyl.** Sm. 233—235°. Na<sub>2</sub> (M. 19, 694).  
 2) **4,4'-Di[Diacetylamido]biphenyl.** Sm. 214—215° (176°) (Soc. 65, 56; B. 31, 663).  
 3) **Diacetat d. αβ-Dioximido-αβ-Di[4-Methylphenyl]äthan.** Sm. 133 bis 134° (B. 22, 382). — **III, 299.**  
 4) **Diacetat d. isom. αβ-Dioximido-αβ-Di[4-Methylphenyl]äthan.** Sm. 144° (B. 22, 382). — **III, 299.**  
 5) **Dipropionat d. αβ-Dioximido-αβ-Diphenyläthan** (D. d. α-Benzyl-dioxim). Sm. 103—104° (B. 21, 801). — **III, 294.**

- C<sub>20</sub>H<sub>19</sub>O<sub>4</sub>N<sub>3</sub>** 6) Dipropionat d. isom.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan (D. d.  $\beta$ -Benzidioxim). Sm. 121° (B. 21, 802). — III, 294.  
 7) Dipropionat d. isom.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan (D. d.  $\gamma$ -Benzidioxim). Sm. 86—87° (B. 22, 714). — III, 294.  
 8) Diäthylester d.  $\alpha$ -Diphenylazimethylendicarbonsäure. Sm. 135° (J. pr. [2] 44, 567). — II, 1598.  
 9) 4-Methylphenylimid-4-Methylphenylamidd. Citronensäure. Sm. 205° (B. 19, 2352). — II, 503.
- C<sub>20</sub>H<sub>20</sub>O<sub>4</sub>N<sub>4</sub>** C 63,2 — H 5,2 — O 16,8 — N 14,7 — M. G. 380.  
 1) Diäthylester d. 2,3-Diphenyl-2,3-Dihydro-1,2,3,4-Tetrasin-5,6-Dicarbonsäure. Sm. 143° u. Zers. (B. 28, 66). — IV, 728.  
 2) Phenylhydrazid d. R-Tetramethylen-1,3-Di[Oxymethylene carbonsäure]. Sm. 225—227° (B. 29, 2277). — IV, 724.
- C<sub>20</sub>H<sub>20</sub>O<sub>4</sub>N<sub>6</sub>** C 58,8 — H 4,9 — O 15,7 — N 20,6 — M. G. 408.  
 1) 2,3,7,8-Tetra[Acetylamido]-5,10-Napht diazin (B. 22, 449). — IV, 1244.
- C<sub>20</sub>H<sub>20</sub>O<sub>4</sub>S<sub>2</sub>** 1) Dimerkapto d.  $\alpha\beta$ -Dimerkapto- $\alpha\beta$ -Diphenyläthendimethyläther-2,2'-Dicarbonsäure? Sm. 160—161° (B. 31, 2651).
- C<sub>20</sub>H<sub>20</sub>O<sub>5</sub>N<sub>2</sub>** C 65,2 — H 5,4 — O 21,7 — N 7,6 — M. G. 368.  
 1) 1<sup>a</sup>,1<sup>b</sup>,6,7-Tetramethyläther d. 6,7-Dioxy-1-[ $\alpha$ -Oximido-3,4-Dioxybenzyl]isocholin (Papaveraldoxim). Labile Form, Sm. 235°; stabile Form, Sm. 254°. HCl, HCl + 2H<sub>2</sub>O, HCl + 3(4)H<sub>2</sub>O, HCl + 10H<sub>2</sub>O, 2HCl + 12H<sub>2</sub>O (M. 7, 489; 16, 828). — IV, 442.  
 2) Tetramethyläther d. 6,7-Dioxy-1,3,4-Dioxybenzoylamidoisocholin. Sm. bei 170°. HCl (M. 16, 844). — IV, 442.
- C<sub>20</sub>H<sub>20</sub>O<sub>5</sub>N<sub>6</sub>** C 56,6 — H 4,7 — O 18,9 — N 19,8 — M. G. 424.  
 1) Anhydro- $\beta$ -Oximido- $\alpha$ -Phenylhydrazonebuttersäure. Sm. 185° (B. 30, 1163). — IV, 690.
- C<sub>20</sub>H<sub>20</sub>O<sub>5</sub>Br** 1)  $\gamma^1$ -Acetat- $\alpha^1$ -Methyläther- $\gamma^4$ -Aethyläther d.  $\alpha\beta$ -Dibrom- $\gamma$ -Keto- $\gamma$ -[2,4-Dioxophenyl]- $\alpha$ -[4-Oxophenyl]propan. Sm. 130—131° (B. 32, 323).  
 2) Tetramethyläther d. Dibrombrasiliin. Sm. 215° (B. 23, 1431). — III, 653.
- C<sub>20</sub>H<sub>20</sub>O<sub>6</sub>N<sub>2</sub>** C 62,5 — H 5,2 — O 25,0 — N 7,3 — M. G. 384.  
 1) Tetramethoxyldihydriodiphthalylidimid. Sm. 249° u. Zers. (B. 26, 538). — II, 1941.  
 2)  $\alpha\beta$ -Diacetat-4,4'-Dimethyläther d.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Di[4-Oxophenyl]äthan. Sm. 139° (B. 22, 379). — III, 296.  
 3)  $\alpha\beta$ -Diacetat-4,4'-Dimethyläther d. isom.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Di[4-Oxophenyl]äthan. Sm. 130° (B. 22, 379). — III, 296.  
 4) Nitropapaverin + H<sub>2</sub>O. Sm. 163°. HCl + 1<sup>1/2</sup>H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), HJ, HNO<sub>3</sub> + H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + H<sub>2</sub>O, Dioxalat + 2H<sub>2</sub>O (A. 94, 237; A. Spt. 8, 292). — IV, 440.  
 5)  $\alpha\beta$ -Di[Phenylacetyl amido]bernsteinsäure. Sm. 172—173° u. Zers. Na<sub>2</sub>, Ca, Ag. (B. 26, 1772). — II, 438.  
 6) Dimethylester d. Bis-2-Aldehydophenoxyessigsäurehydrazon. Sm. 159—160° (B. 31, 2810).  
 7) Diäthylester d. Bis-2-Aldehydophenylkohlensäurehydrazon. Sm. 109—110° (B. 31, 2808).  
 8) Diäthylester d. 1,3-Phtalyldi[cyanmethylessigsäure]. Sm. 188° (B. 31, 1098). — II, 2019.  
 9) Dinitro- $\alpha$ -Dipropylcarbobenzosäure. Sm. 176° (A. 184, 171). — II, 1477.  
 10) Diphenylamid d. Diacetylweinsäure. Sm. 214—215° (227°) (B. 24, 2960; A. 279, 138). — II, 422.  
 11) Di[Phenylamid] d. n-Butan- $\alpha\beta\gamma\delta$ -Tetracarbonsäure Sm. 187° (B. 28, 885).  
 12) Di[Phenylamid] d. h-Butan- $\alpha\beta\gamma\delta$ -Tetracarbonsäure. Sm. 167° (B. 28, 889).  
 13) Diacetat d. 3,3'-Di[Acetyl amido]-4,4'-Dioxybiphenyl. Sm. 225° (B. 21, 3332). — II, 989.
- C<sub>20</sub>H<sub>20</sub>O<sub>6</sub>Br<sub>2</sub>** 1) Diacetat d. Dibromhexaoxybiphenyltetramethyläther. Sm. 178° (B. 9, 930). — II, 1042.

- $C_{20}H_{20}O_2N_2$  C 60,0 — H 5,0 — O 28,0 — N 7,0 — M. G. 400.  
 1) **Oxycannabin.** Sm. 175—176° (Z. **1870**, 86; J. **1871**, 786; C. **1898** [1] 849). — **III**, 639.  
 2) **Aethylester d.  $\beta$ -Keto- $\alpha\alpha$ -Di[2-Nitrobenzyl]propan- $\alpha$ -Carbonsäure.** Sm. 103° (B. **29**, 637).
- $C_{20}H_{20}O_2N_2$  C 57,7 — H 4,8 — O 30,8 — N 6,7 — M. G. 416.  
 1) **Di[3,4-Dimethoxybenzyliden]hydrazin- $\alpha\alpha'$ -Dicarbonsäure + H<sub>2</sub>O.** Sm. 184° (Bl. [3] 17, 946).
- $C_{20}H_{20}O_2Cl_2$  1) **Diacetat d. Dichlorhexaoxybiphenyltetramethyläther.** Sm. 172° (B. **9**, 929). — **II**, 1042.
- $C_{20}H_{20}O_2N_2$  C 55,6 — H 4,6 — O 33,3 — N 6,5 — M. G. 432.  
 1) **Azoopiansäure.** Sm. 245° u. Zers. Ag. (B. **20**, 879). — **IV**, 1475.
- $C_{20}H_{20}ONJ$  1) **Joddimethyl d. 3,5-Dibenzylpyridin** (A. **280**, 45).
- $C_{20}H_{20}ONP$  1) **4-Dimethylamidotriphenylphosphin.** Sm. 152° (B. **21**, 1502; A. **280**, 27). — **IV**, 1659.
- $C_{20}H_{20}N_2Cl$  1) **7-Chloräthylat d. 9-Dimethylamido- $\alpha\beta$ -Naphtobernasin.** 2 + PtCl<sub>4</sub> (C. **1898** [2] 920). — **IV**, 1201.
- $C_{20}H_{20}N_2S$  1) **Verbindung** (aus 2,5-Di[2,4-[Dimethylphenylamido]-1,3,4-Thiodiazol]. Sm. 103° (B. **23**, 370). — **IV**, 1237.
- $C_{20}H_{20}N_2S_2$  1) **Dithiocarbonyltri-1,3-Diamidobenzol** (B. **17**, 2657). — **IV**, 576.
- $C_{20}H_{20}JP$  1) **Aethyltriphenylphosphoniumjodid.** Sm. 164—165° (A. **229**, 311). — **IV**, 1661.
- $C_{20}H_{21}ON$  C 82,5 — H 7,2 — O 5,5 — N 4,8 — M. G. 291.  
 1) **6-Aethylphenylamido-4-Keto-2-Phenyl-1,2,3,4-Tetrahydrobenzol.** Sm. 135° (A. **294**, 306).  
 2) **Benzoylderivat d. 2-Methylen-1,3-Dimethyl-3-Aethyl-2,3-Dihydro-indol.** Sm. 119—120° (G. **28** [2] 380).  
 3) **Benzoylderivat d. 2-Methylen-3,3-Dimethyl-1-Aethyl-2,3-Dihydro-indol.** Sm. 140° (G. **29** [1] 87).  
 4) **1-Benzoyl- $\beta$ -Diäthyl-1,2-Dihydrochinolin.** Sm. 74—75° (B. **29**, 2479); — **IV**, 230.  
 5) **3- oder 2-Benzoyl-1,2,4,4- oder 1,3,4,4-Tetramethyl-1,4-Dihydro-chinolin.** Sm. 102° (G. **28** [1] 192).  
 6) **Methyläther d. Apocinchon.** Fl. HCl +  $\frac{1}{2}$ H<sub>2</sub>O (B. **18**, 2380). — **III**, 838.  
 7) **Base** (aus d. Verb.  $C_{18}H_{15}N$ ). HCl, (2HCl, PtCl<sub>4</sub>) (A. **100**, 65). — **II**, 342.  
 $C_{20}H_{21}ON_2$  C 75,2 — H 6,6 — O 5,0 — N 13,2 — M. G. 319.  
 1) **4,4',4"-Triamido- $\alpha$ -Oxy-3'-Methyltriphenylmethan** (Rosanilin). Salze meist bek. Lit. bedeutend. — **II**, 1089.  
 2) **4-Oxy-3-Phenylhydrazon-2,5,6,8-Tetramethylchinolin** (B. **21**, 1976). — **IV**, 373.
- $C_{20}H_{21}ON_3$  C 69,1 — H 6,0 — O 4,6 — N 20,2 — M. G. 347.  
 1) **Di[Phenylhydrazon]tropinon.** Sm. 130° u. Zers. + CHCl<sub>3</sub>, HCl, Acetat (B. **30**, 2708). — **IV**, 798.
- $C_{20}H_{21}O_2N$  C 78,2 — H 6,8 — O 10,4 — N 4,6 — M. G. 307.  
 1) **6-[4-Aethoxyphenyl]amido-4-Keto-2-Phenyl-1,2,3,4-Tetrahydro-benzol.** Sm. 207° (A. **294**, 307).  
 2) **Diäthyläther d. 2,5-Di[4-Oxyphenyl]pyrrol.** Sm. 210° (R. **10**, 220). — **IV**, 439.  
 3) **3-Hexyl- $\beta$ -Naphtobernasin-1-Carbonsäure.** Sm. 291° (B. **27**, 2022). — **IV**, 423.
- $C_{20}H_{21}O_2N_3$  C 71,6 — H 6,3 — O 9,6 — N 12,5 — M. G. 335.  
 1) **1,4-Diacetyl-3,5-Di[4-Methylphenyl]4,5-Dihydro-1,2,4-Triazol.** Sm. 117° (B. **27**, 3290; A. **298**, 19).  
 2) **Acetylinderivat d. Verb.  $C_{18}H_{19}ON_3$ .** Sm. 173° (B. **21**, 1590). — **IV**, 1284.
- $C_{20}H_{21}O_2P$  1)  **$\beta$ -Oxyäthyltriphenylphosphoniumhydrat.** Salze, siehe diese (B. **27**, 276).  
 $C_{20}H_{21}O_2N$  C 74,3 — H 6,5 — O 14,9 — N 4,3 — M. G. 323.  
 1) **Galipein.** Sm. 115,5%. HCl + 4H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>), H<sub>2</sub>SO<sub>4</sub> + 7H<sub>2</sub>O (G. **13**, 363; B. **25** [2] 260). — **III**, 778.
- $C_{20}H_{21}O_2N_3$  C 68,4 — H 6,0 — O 13,7 — N 11,9 — M. G. 351.  
 1) **Codeinecyanid** (A. **77**, 371). — **III**, 903.
- $C_{20}H_{21}O_4N$  C 70,8 — H 6,2 — O 18,9 — N 4,1 — M. G. 339.  
 1) **Canadin.** Sm. 132,5%. HCl, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>), HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> (B. **27** [2] 312; J. **1873**, S19; **1875**, 784). — **III**, 804.

- C<sub>20</sub>H<sub>21</sub>O<sub>4</sub>N** 2) Hydroberberin. Sm. 167°. HCl, (2HCl, PtCl<sub>4</sub>), (HBr, Br<sub>4</sub>), HJ, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> + xH<sub>2</sub>O, + Br<sub>3</sub> (*A. Spt.* 2, 191; *J. 1889*, 1970). — III, 800.  
 3) Tetramethyläther d. **6,7-Dioxy-1-[3,4-Dioxybenzyl]isochinolin** (Papaverin). Sm. 147°. Salze meist bek. Lit. bedeutend. — IV, 439.  
 4) **Phenylamidoflüssigsäure.** Sm. 140° (*B. 21*, 2065). — II, 1968.  
 5) **1,2-Lakton d. 3,4-Dioxy-1-2-Methyl-1,2,3,4-Tetrahydro-1-Chinolyl-oxymethylbenzol-3,4-Dimethyläther-2-Carbonsäure** (Opiansäuretetrahydrochinolid). Sm. 180° (*B. 29*, 182). — IV, 204.  
 6) **Diäthylester d.  $\alpha$ -Phenylimido- $\alpha$ -Phenylthan- $\beta\beta$ -Dicarbonsäure.** Sm. 75° (*B. 18*, 2624). — II, 1850.
- C<sub>20</sub>H<sub>21</sub>O<sub>5</sub>Br** 1) **Tetramethyläther d. Brombrasillin.** Sm. 180–181° (*B. 21*, 3014). — III, 653.
- C<sub>20</sub>H<sub>21</sub>O<sub>5</sub>N** 1) **Dibenzoyleglykosamin.** Sm. 188° u. Zers. (*H. 14*, 363). — II, 1194.
- C<sub>20</sub>H<sub>21</sub>O<sub>10</sub>N** 1) **Verbindung (aus Hemipinsäure u.  $\omega$ -Aminodithiopiperonylcabsonsäure).** Sm. 155–160° u. Zers. (*Soc. 57*, 1062). — II, 1994.
- C<sub>20</sub>H<sub>21</sub>N<sub>2</sub>Cl** 1)  **$\alpha$ -Phenyl- $\alpha\alpha$ -Dibenzylhydrazoniumchlorid.** Sm. 153–154° (*A. 252*, 291). — IV, 811.
- C<sub>20</sub>H<sub>22</sub>ON<sub>2</sub>** 1) **Chinon.** Sm. 81–82°. (2HCl, ZnCl<sub>2</sub> + 2H<sub>2</sub>O) (*B. 17*, 1980; *18*, 1223). — III, 817.  
 2) **Verbindung (aus Anilin, Brenztraubensäure u. Isovaleraldehyd).** Sm. 160° (*A. 242*, 280). — IV, 359.
- C<sub>20</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** 1) **1,2-Di[Benzoylamido]hexahydrobenzol.** Sm. noch nicht bei 280° (*A. 295*, 215).  
 2) **Diäthyläther d. 3-[4-Oxyphenyl]amido-4-Amido-1-Oxynaphthalin.** Sm. 103° (*B. 27*, 2361).  
 3) **2,5-Diketo-1,4-Di[2,5-Dimethylphenyl]hexahydro-1,4-Diazin.** Sm. 203° (*J. pr. [2]* 40, 436). — II, 547.  
 4) **3,6-Diketo-2,5-Diäthyl-1,4-Diphenylhexahydro-1,4-Diazin.** Sm. 268° (*B. 23*, 2014; 2022; 26, 2316; 2924). — II, 434.  
 5) **isom. 3,6-Diketo-2,5-Diäthyl-1,4-Diphenylhexahydro-1,4-Diazin.** Sm. 145° (*B. 23*, 2023; 26, 2317). — II, 434.  
 6) **isom. 3,6-Diketo-2,5-Diäthyl-1,4-Diphenylhexahydro-1,4-Diazin.** Sm. 163° (*B. 23*, 2015). — II, 434.  
 7) **3,6-Diketo-2,5-Dimethyl-1,4-Di[2-Methylphenyl]hexahydro-1,4-Diazin.** Sm. 183–184° (*B. 25*, 2920). — II, 472.  
 8) **isom. 3,6-Diketo-2,5-Dimethyl-1,4-Di[2-Methylphenyl]hexahydro-1,4-Diazin.** Sm. 155–162° (*B. 25*, 2921). — II, 472.  
 9) **3,6-Diketo-2,5-Dimethyl-1,4-Di[4-Methylphenyl]hexahydro-1,4-Diazin.** Sm. 248° (*B. 25*, 2307, 2021). — II, 508.  
 10) **isom. 3,6-Diketo-2,5-Dimethyl-1,4-Di[4-Methylphenyl]hexahydro-1,4-Diazin.** Sm. 191–195° (191–202°) (*B. 25*, 2307, 2021). — II, 508.  
 11)  **$\alpha$ -1,4-Dibenzoyl-2,5-Dimethylhexahydro-1,4-Diazin.** Sm. 224–225° (*B. 30*, 226; *J. pr. [2]* 47, 505). — IV, 483.  
 12)  **$\beta$ -1,4-Dibenzoyl-2,5-Dimethylhexahydro-1,4-Diazin + H<sub>2</sub>O.** Sm. 147 bis 148° (wasserfrei) (*J. pr. [2]* 55, 60). — IV, 483.  
 13) **Diacetyllderivat d. 3-Methyl-2-[3-Amidophenyl]-1,2,3,4-Tetrahydro-*chinolin*.** Sm. 178° (*B. 19*, 535). — IV, 996.  
 14) **Aethylester d.  $\beta$ -[ $\alpha$ -Benzylidenamidobenzyl]amidopropen- $\alpha$ -Carbonsäure.** Sm. 121° (*M. 17*, 347).  
 15) **1-Allylamid-2-[2,4,5-Trimethylphenyl]amid d. Benzol-1,2-Dicarbonsäure.** Sm. 179° u. Zers. (*B. 17*, 1808). — II, 1808.
- C<sub>20</sub>H<sub>22</sub>O<sub>2</sub>N<sub>4</sub>** 16) **4'-Amido-4-Biphenylimid d.  $\beta\gamma$ -Dimethylbutan- $\beta\gamma$ -Dicarbonsäure.** Sm. 196° (*A. 292*, 177). — IV, 965.
- C<sub>20</sub>H<sub>22</sub>O<sub>5</sub>N<sub>4</sub>** C 68,6 — H 6,3 — O 9,1 — N 16,0 — M. G. 350.  
 1) **p-Diacetyliditolenylhydrasidin.** Sm. 185° (*B. 27*, 3282). — IV, 1289.  
 2) **Di[ $\alpha$ -Phenyläthylidenhydrasid] d. Aethan- $\alpha\beta$ -Dicarbonsäure.** Sm. 235° (*J. pr. [2]* 51, 192). — III, 130.
- C<sub>20</sub>H<sub>22</sub>O<sub>5</sub>Br<sub>2</sub>** 1) **dim. Bromanethol.** Sm. bei 200° (*J. pr. [2]* 51, 425).
- C<sub>20</sub>H<sub>22</sub>O<sub>5</sub>N<sub>5</sub>** C 71,0 — H 6,5 — O 14,2 — N 8,3 — M. G. 338.  
 1) **Isoamylfurfurin.** (2HCl, PtCl<sub>4</sub>), HJ (*J. 1855*, 560). — III, 722.

- C<sub>20</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>** 2) Verbindung (aus Benzil u. Propionsäureonitril). Sm. 207° (B. 16, 2652; Soc. 57, 708). — III, 295.
- C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** C 67,8 — H 6,2 — O 18,1 — N 7,9 — M. G. 354.
- 1) **P-Dinitro-2,6-Diisopropyl-9,10-Dihydroanthracen** (G. 14, 282). — II, 255.
  - 2) **Diäthyläther d. 2,5-Diketo-1,4-Di[4-Oxyphenyl]hexahydro-1,4-Diazin.** Sm. 265° (B. 22, 1789). — II, 721.
  - 3) **Tetramethyläther d. 6,7-Dioxy-1-[α-Amido-3,4-Dioxybenzyl]iso-chinolin (Papaveraldylamin).** Sm. 80—85°. HCl (M. 16, 846). — IV, 443.
  - 4) **Acetylcinchotinin.** 2HCl (M. 16, 797). — III, 841.
  - 5) **Di[Benzoylamido]capronsäure (Lysursäure).** Sm. 144—145°. Na + H<sub>2</sub>O, Ba + 1½ H<sub>2</sub>O, Sr, Ag + ½ H<sub>2</sub>O (B. 28, 3190; H. 25, 528). — III, 893.
  - 6) **2,2'-Diisopropylazobenzol-5,5'-Dicarbonsäure.** Sm. 280° u. Zers. Na<sub>2</sub> + H<sub>2</sub>O, K<sub>2</sub> + H<sub>2</sub>O, Ba + 2H<sub>2</sub>O, Ag<sub>2</sub> (J. r. 16, 162; 21, 489). — IV, 1466.
  - 7) **β-Aethylester d. γ-Phenylhydrazone-α-Phenylbutan-α<sup>2</sup>,β-Dicarbonsäure.** Sm. 235° u. Zers. (A. 236, 193). — IV, 718.
  - 8) **Diäthylester d. β-Phenylhydrazone-α-Phenyläthan-αβ-Dicarbonsäure.** Sm. 69—70° (A. 246, 341). — IV, 718.
  - 9) **Di[2-Methylphenylester] d. Hexahydro-1,4-Diazin-1,4-Dicarbonsäure.** Sm. 135° (Bl. [3] 19, 766).
  - 10) **Di[3-Methylphenylester] d. Hexahydro-1,4-Diazin-1,4-Dicarbonsäure.** Sm. 138° (Bl. [3] 19, 766).
  - 11) **Di[4-Methylphenylester] d. Hexahydro-1,4-Diazin-1,4-Dicarbonsäure.** Sm. 238° (Bl. [3] 19, 766)
  - 12) polym. **2-Methylphenylamid d. Acetylameisensäure.** Sm. 177° (A. 270, 317; 278, 84).
  - 13) polym. **4-Methylphenylamid d. Acetylameisensäure.** Sm. 207° (A. 279, 90).
  - 14) **Di[4-Aethoxyphenylamid] d. Fumarsäure.** Sm. 214° (G. 28 [2] 195).
  - 15) **Verbindung (aus d. Verb. C<sub>16</sub>H<sub>12</sub>O<sub>4</sub>N<sub>2</sub>Cl<sub>2</sub>).** Sm. 90,5° (B. 19, 2341). — II, 347.
- C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>N<sub>4</sub>** C 62,8 — H 5,7 — O 16,8 — N 14,7 — M. G. 382.
- 1) **4,4'-Di[Isopropylidenhydrazido]biphenyl-3,3'-Dicarbonsäure.** Sm. 265—267° (B. 31, 2581).
  - 2) **Diäthylester der Di[Phenylhydrazone]äthan - αβ-Dicarbonsäure.** α-Modif. Sm. 120—121°; β-Modif. Sm. 136—137° u. Zers.; γ-Modif. Sm. 173—175° u. Zers. (A. 261, 130; B. 28, 65). — IV, 728.
  - 3) **Diphenylamidoformiat d. βγ-Dioximidopentan.** Sm. 164—170° u. Zers. (B. 22, 3108). — II, 446.
  - 4) **Di[β-Aetyl-α-Phenylhydrazid] d. Bernsteinsäure.** Sm. 219° (B. 26, 2496). — IV, 704.
- C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>Br<sub>4</sub>** 1) **Tetrabromguajakharzsäure** (A. 119, 275). — II, 1878.
- C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** C 64,9 — H 5,9 — O 21,6 — N 7,6 — M. G. 370.
- 1) **Di[4-Methylphenylamid] d. Citronensäure.** Sm. 161° (B. 19, 2353). — II, 503.
  - 2) **isom. Di[4-Methylphenylamid] d. Citronensäure.** Sm. 189°. Ag (B. 22, 957; Soc. 63, 699). — II, 503.
- C<sub>20</sub>H<sub>22</sub>O<sub>5</sub>N<sub>4</sub>** C 60,3 — H 5,5 — O 20,1 — N 14,1 — M. G. 398.
- 1) **Anhydrid d. Succinophenylhydrazinsäure.** Sm. 137° (B. 25, 2750). — IV, 703.
- C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>N<sub>2</sub>** C 62,2 — H 5,7 — O 24,8 — N 7,2 — M. G. 386.
- 1) **2,2'-Di[α-Oxyisopropyl]azobenzol-5,5'-Dicarbonsäure.** Na<sub>2</sub> + 10H<sub>2</sub>O (B. 15, 2550). — IV, 1471.
  - 2) **Diäthylester d. 2,2'-Azophenoxylessigsäure.** Sm. 110—111° (J. pr. [2] 29, 171). — IV, 1405.
  - 3) **Di[2-Methoxyphenylester] d. Hexahydro-1,4-Diazin-1,4-Dicarbonsäure (Guajakolpiperazindiurethan).** Sm. 181° (Bl. [3] 19, 187).
- C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>N<sub>4</sub>** C 58,0 — H 5,3 — O 23,2 — N 13,5 — M. G. 414.
- 1) **Dinitrochininin + H<sub>2</sub>O** (Soc. 39, 470). — III, 815.
  - 2) **3,5,3',5'-Tetra[Acetylamo]-4,4'-Dioxybiphenyl.** Sm. 280° (B. 21, 3532). — II, 989.

- C<sub>20</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 59,7 — H 5,5 — O 27,8 — N 7,0 — M. G. 402.  
 1) Diäthylester d. **2,2'-Aoxophenoxylessigsäure**. Sm. 113—114° (*J. pr.* [2] 29, 160). — **IV**, 1342.  
 2) **Verbindung** (aus Helicin u. 3-Amidobenzol-1-Carbonsäureamid) + 2H<sub>2</sub>O. Sm. 112,5—113° (wasserfrei) (*A.* 218, 192). — **III**, 74.
- C<sub>20</sub>H<sub>22</sub>O<sub>2</sub>N<sub>4</sub>** C 53,8 — H 4,9 — O 28,7 — N 12,6 — M. G. 446.  
 1) **Phenylglykosazon-3-Carbonsäure**. Sm. 206—208° u. Zers. (*A.* 236, 172). — **II**, 1289.
- C<sub>20</sub>H<sub>22</sub>O<sub>2</sub>Cl<sub>2</sub>** 1) **Tetraäthylester** d. **3,6-Dichlor-1,4-Diketo-1,4-Dihydrobenzol-2,5-Di[Methyldicarbonsäure]**. Sm. 132°. Na<sub>2</sub> (*Am.* 13, 38; 17, 598; *B.* 26, 398). — **II**, 2097.
- C<sub>20</sub>H<sub>22</sub>O<sub>2</sub>N<sub>4</sub>** C 41,8 — H 3,8 — O 44,6 — N 9,7 — M. G. 574.  
 1) **Tetraäthylester** d. **2,4,6-Trinitrobenzol-1-Methyldicarbonsäure-3-Nitromethyldicarbonsäure** (T. Trinitrophenylennitrodimalonsäure). Sm. 111° (*A.* 14, 356). — **II**, 2075.
- C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>S** 1) **2,5-Di[4-Isopropylphenyl]-1,3,4-Thiodiazol**. Sm. 45° (*B.* 6, 333). — **II**, 1388.
- C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Di[Allylamid]** d. **Biphenyldi-4,4'-Amidothioameisensäure** (Diallyl-4,4'-Biphenyldithiobarnstoff) (*B.* 11, 833). — **IV**, 965.
- C<sub>20</sub>H<sub>22</sub>O<sub>2</sub>N** C 77,7 — H 7,4 — O 10,4 — N 4,5 — M. G. 309.  
 1) **Di[3-Oxy-1,2,3,4-Tetrahydro-2-Naphthyl]amin**. Sm. 165—166°. (2HCl, PtCl<sub>4</sub>) (*B.* 26, 1838; *A.* 288, 129). — **II**, 855.  
 2) **2-Naphylimid d. β-*e*-Dimethylhexan-γ-Dicarbonsäure**. Sm. 126° (*A.* 292, 174).
- C<sub>20</sub>H<sub>22</sub>O<sub>3</sub>N** C 73,8 — H 7,1 — O 14,8 — N 4,3 — M. G. 325.  
 1) **Protocurin**. Sm. 306° u. Zers. (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> (*C.* 1897 [2] 1079).  
 2) **Aethyläther** d. **Thebenin** (Aethebenin). HCl, HJ + H<sub>2</sub>O (*B.* 32, 182). C 68,0 — H 6,5 — O 13,6 — N 11,9 — M. G. 353.
- C<sub>20</sub>H<sub>22</sub>O<sub>3</sub>N<sub>5</sub>** 1) **4,4',6-Tri[Acetylamido]-3,3'-Dimethylbiphenyl**. Sm. oberfl. 290° (*B.* 25, 1035). — **IV**, 1169.  
 2) **Diäthyläther** d. **6-Acetylamido-5,8-Dioxy-1-Phenyl-1,2-Dihydro-1,4-Benzodiazin**. Sm. 162° (*B.* 24, 3826). — **II**, 950.  
 3) **Verbindung** (aus Acetessigsäureäthylester u. α-Phenylhydrazidoessigsäure-phenylamid). Sm. 147° (*A.* 301, 61).
- C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>N** C 70,4 — H 6,7 — O 11,8 — N 4,1 — M. G. 341.  
 1) **Acetylcodein**. Sm. 133,5°. HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (*Soc.* 27, 1031; *A.* 222, 212). — **III**, 905.  
 2) **Benzoylpellotin**. Fl. (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>) (*B.* 29, 217). — **III**, 778.  
 3) **Diäthyläther d. α-Phenylamido-α-Phenylthan-β-γ-Dicarbonsäure**. Sm. 98—100°. HCl (*B.* 28, 1451; 31, 607). — **II**, 1850.  
 4) **Acetat** d. **Bebesin** (A. d. Bebirin). Sm. 147—148° (*B.* 29, 2057). — **III**, 798.
- C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** C 65,0 — H 6,2 — O 17,3 — N 11,4 — M. G. 309.  
 1) **3,3'-Diisopropylidazooamidobenzol-6,6'-Dicarbonsäure**. Ba, Ag (*A.* 117, 62). — **IV**, 1578.
- C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>N** C 67,2 — H 6,4 — O 22,4 — N 3,9 — M. G. 357.  
 1) **Aethylester** d. **Morphincarbonsäure**. Sm. 113°. Oxalat + 2H<sub>2</sub>O (*B.* 25 [2] 202). — **III**, 900.
- C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>N** C 64,3 — H 6,2 — O 25,7 — N 3,7 — M. G. 373.  
 1) **Helicintoluid** (*A.* 154, 32). — **III**, 69.
- C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>N<sub>2</sub>** C 59,9 — H 5,7 — O 23,9 — N 10,5 — M. G. 401.  
 1) **Diäthylester** d. **6,6'-Dimethoxydiazooamidobenzol-3,3'-Dicarbonsäure**. Sm. noch nicht bei 250° (*A.* 117, 50). — **IV**, 1578.
- C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>P** 1) **Aethylester** d. **Di[α-Acetoxybenzyl]phosphinsäure** (*Bl.* 50, 604). — **IV**, 1664.
- C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>N** C 61,7 — H 5,9 — O 28,8 — N 3,6 — M. G. 389.  
 1) **Diäthylester** d. **1-Oximido-5-Methyl-3-[3,4-Dioxophenyl]-1,2,3,4-Tetrahydrobenzol-3,4-Methylenäther-2,4-Dicarbonsäure**. Sm. 202° u. Zers. (*A.* 303, 229).
- C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>N** C 57,0 — H 5,5 — O 34,2 — N 3,3 — M. G. 421.  
 1) **3-Amidobenzol-1-Carbonsäures** Helicin. Sm. 142° (*B.* 12, 2033). — **III**, 68.
- C<sub>20</sub>H<sub>22</sub>O<sub>12</sub>N** C 51,2 — H 4,9 — O 40,9 — N 3,0 — M. G. 469.  
 1) **Indikanin** (*J.* 1858, 471). — **III**, 596.

- $C_{20}H_{23}O_4N_2$  C 45,4 — H 4,3 — O 42,3 — N 8,0 — M. G. 529.  
 1) Tetraäthylester d. **2,4,6-Trinitrobenzoldi-1,3-[Methyldicarbonäure]** (T. d. s-Trinitrophenylendimalonäure). Sm. 123° (Am. 12, 20). — II, 2075.
- $C_{20}H_{23}N_2Cl$  1) Chloromethylat d. Cinchen. 2 +  $PtCl_4$  (B. 18, 1221). — III, 837.
- $C_{20}H_{23}N_2J$  1) Jodmethylat d. Cinchen. Sm. 186° (B. 18, 1221). — III, 837.  
 2) 1-Jodäthylat d. **2-Methyl-1-Aethyl-4,5-Diphenylimidasol**. Sm. 163° (Soc. 67, 44). — IV, 1032.
- $C_{20}H_{24}ON_2$  C 77,9 — H 7,8 — O 5,2 — N 9,1 — M. G. 308.  
 1) Desoxychinin +  $2\frac{1}{2}H_2O$ . Sm. 52°. (2HCl,  $PtCl_4$ ) (B. 29, 372). — III, 817.  
 2) Desoxyconchinin +  $2H_2O$ . Sm. 80—82° (B. 28, 3147). — III, 825.  
 3) Methylicinchonin. Sm. 74—75°. (2HCl,  $PtCl_4 + H_2O$ ). (2HCl,  $AuCl_4 + H_2O$ ) (B. 13, 2292; 28, 1066; A. 90, 219; J. pr. [2] 3, 151). — III, 832.  
 4) Methylicinchonidin. Sm. 75—76°. (2HCl,  $PtCl_4 + 3H_2O$ ).  $HBr + H_2O$ , (2HJ +  $H_2O$ ) (A. 90, 221; 269, 255; B. 13, 2192; J. 1882, 1109). — III, 851.  
 5) Methylicinchotoxin. Sm. 74—75° (B. 27, 1280; 28, 1066). — III, 846.  
 6) **3-Keto-2-Aethyl-1,4-Di[4-Methylphenyl]hexahydro-1,4-Diasin**. Sm. 98—99,5° (B. 26, 2938). — II, 508.  
 7) **3-Keto-2,2-Dimethyl-1,4-Di[4-Methylphenyl]hexahydro-1,4-Diasin**. Sm. 129—130° (B. 26, 2940). — II, 508.  
 8) **Phenylmonamid d. Diäthyl-1,2,3,4-Tetrahydrochinolin-1-Carbonäure**. Sm. 149—150° (B. 29, 2480). — IV, 210.
- $C_{20}H_{24}O_4N_2$  C 74,1 — H 7,4 — O 9,9 — N 8,6 — M. G. 324.  
 1)  $\alpha\beta$ -Dioximido- $\gamma$ -Diphenyloktan. Sm. 192—193° (C. 1896 [2] 1091).  
 2)  $\beta\eta$ -Dioximido- $\delta\epsilon$ -Diphenyloktan. Sm. 235—237° (B. 29, 385). — III, 301.  
 3)  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Di[2,4-Dimethylphenyl]butan. Sm. 140° (B. 20, 1375). — III, 301.  
 4)  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Di[4(?)Isopropylphenyl]äthan (Cuminildioxim). Sm. 249° (B. 23, 2065). — III, 301.  
 5) isom.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Di[4(?)Isopropylphenyl]äthan. Sm. 227° (B. 23, 2066). — III, 301.  
 6)  $\alpha\gamma$ -Di[Benzoylamido]hexan. Sm. 154—155° (B. 29, 1167).  
 7)  $\beta\epsilon$ -Di[Benzoylamido]hexan. Sm. 238° (B. 28, 383).  
 8) isom.  $\beta\epsilon$ -Di[Benzoylamido]hexan. Sm. 193—198° (B. 28, 385).  
 9) isom.  $\beta\gamma$ -Di[Benzoylamido]hexan. Sm. 125° (H. 17, 547).  
 10)  $\beta\gamma$ -Di[Phenylacetylalamido]butan. Sm. 195—196° (B. 25, 3281). — II, 368.  
 11)  $\alpha\beta$ -Di[Acetyl-2-Methylphenylamido]äthan. Sm. 152—153° (B. 25, 3257). — II, 461.  
 12)  $\alpha\beta$ -Di[Acetyl-4-Methylphenylamido]äthan. Sm. 137—139° (B. 25, 3261). — II, 491.  
 13) **4,4'-Di[Acetylalamido]-3,3'-Diäthylbiphenyl**. Sm. 307° (B. 17, 474). — IV, 985.  
 14) **2,2'-Di[Acetylalamido]-3,5,3',5'-Tetramethylbiphenyl**. Sm. 210° (B. 28, 2802). — IV, 985.  
 15) **Aethyläther d. 8-[4-Acetylaminophenyl]amido-5-Oxy-1,2,3,4-Tetrahydronaphthalin**. Sm. 177—178° (B. 31, 905).  
 16)  $\alpha\beta$ -Di[8-Oxy-1,2,3,4-Tetrahydro-1-Chinolyl]äthan. Sm. 233° (B. 19, 1047). — IV, 200.  
 17) **Pinolnitrol-2-Naphtylamin**. Sm. 194—195° (A. 253, 266). — III, 508.  
 18) Chinin +  $3H_2O$ . Sm. 57° (174,5—175° wasserfrei); subl. 170—180°. Salze meist bekannt. Lit. bedeutend. — III, 807.  
 19) Isochinin. Sm. 185°.  $HCl + 2H_2O$ , 2HCl, (2HCl,  $PtCl_4$ ),  $H_2SO_4 + 10H_2O$ , +  $AgNO_3$  (M. 12, 332; 14, 554). — III, 821.  
 20) Conchinin (Chinidin). Sm. 171,5°. Salze meist bekannt. Lit. bedeutend. — III, 823.  
 21) Isoconchinin. (2HCl,  $PtCl_4 + 3H_2O$ ),  $H_2SO_4 + 8H_2O$  (A. 243, 149). — III, 826.  
 22) Chinicin. Sm. 60°. Salze meist bekannt (Soc. 24, 61; 25, 101; J. 1853, 473; A. 166, 277; 178, 244; 243, 148; M. 10, 227). — III, 827.

- C<sub>10</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>** 23) **Pseudonichin.** Sm. 190—191°. HCl + 1<sup>1/2</sup>H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> + 3H<sub>2</sub>O (*M.* 14, 416). — **III**, 821.  
 24) **Methylcuprein.** Chlorid, Jodid, Sulfat (*A.* 230, 66). — **III**, 822.  
 25) **Aethylester d. 1-Phenyl-4, 5-Camphylpyrazol-3-Carbonsäure.** Sm. 114° (*Am.* 19, 404). — **IV**, 864.  
 26) **Aethylester d. Verb.** C<sub>11</sub>H<sub>12</sub>O<sub>2</sub>N<sub>2</sub> (aus Desoxycinechonin). (2HCl, PtCl<sub>4</sub>) (*B.* 28, 3146). — **III**, 837.  
 27) **Phenylamid d. Hexan- $\alpha\beta$ -Dicarbonsäure.** Sm. 166—167° (*A.* 295, 179).  
 28) **Phenylamid d.  $\beta$ -Methylpentan- $\alpha\beta$ -Dicarbonsäure.** Sm. 136° (*A.* 295, 181).  
 29) **Phenylamid d.  $\gamma$ -Methylpentan- $\alpha\beta$ -Dicarbonsäure.** Sm. 158—159° (*A.* 295, 186).  
 30) **Di[Aethylphenylamid] d. Bernsteinsäure.** Sm. 101—101,5° (*A.* 292, 193).  
 31) **Di[2, 4, 5-Trimethylphenylamid] d. Oxalsäure.** Sm. 230° (*M.* 9, 750). — **II**, 552.  
 32) **Diphenylamid d. Korksäure (Suberanilid).** Sm. 183° (*A.* 68, 30). — **II**, 415.  
 33) **Base (aus Dihydrojodeconchinin).** Sm. 78—79°. (2HCl, PtCl<sub>4</sub>) (*M.* 12, 675). — **III**, 825.  
 34) **Verbindung (aus 1, 4-Dioxybenzol u. 2-Amido-1-Methylbenzol)** (*B.* 15, 1974).  
 35) **Verbindung (aus 1, 4-Dioxybenzol u. 4-Amido-1-Methylbenzol).** Sm. 95 bis 98° (*B.* 15, 1974). — **II**, 939.  
**C<sub>10</sub>H<sub>14</sub>O<sub>2</sub>S<sub>2</sub>** 1) **Aethylester d.  $\beta\beta$ -Dimerkapt- $\alpha$ -Aethylbutterdiphenyläthersäure.** Sm. 70—71° (*A.* 259, 371). — **II**, 789.  
 2) **Aethylester d.  $\beta\beta$ -Dimerkaptobutterdibenzyläthersäure.** Fl. (*B.* 29, 1648).  
**C<sub>10</sub>H<sub>14</sub>O<sub>5</sub>N<sub>2</sub>** C 70,8 — H 7,1 — O 14,1 — N 8,2 — M. G. 340.  
 1) **Aethyläther d. Cinchothenin.** Sm. 210,5°. 2HCl, (2HCl, PtCl<sub>4</sub>) (*M.* 15, 171, 788; *B.* 16, 65). — **III**, 841.  
 2) **Aethyläther d. 6-[4-Acetylamoido-3-Methylphenyl]acetylamido-3-Oxy-1-Methylbenzol.** Sm. 115° (*A.* 287, 206).  
 3) **Aethyläther d. 5-Acetylamoido-2-[4-Methylphenyl]acetylamido-4-Oxy-1-Methylbenzol.** Sm. 165° (*B.* 27, 2709).  
 4) **Diäthyläther d. 2-Keto-1, 4-Di[4-Oxyphenyl]hexahydro-1, 4-Diazin.** Sm. 162° (*B.* 23, 2030). — **II**, 721.  
 5) **Säure (aus 3, 6-Diketo 2, 5-Diäthyl-1, 4-Diphenylhexahydro-1, 4-Diazin).** Sm. 40—80° (*B.* 23, 2023). — **II**, 434.  
 6) **Aethylester d. Phenylazocomphorformencarbonsäure.** Sm. 210° (*Am.* 21, 258).  
 7) **Verbindung (aus  $\alpha\beta$ -Diamido- $\alpha$ -Diphenyläthan u. Oxalsäurediäthylester).** Sm. 242° u. Zers. (*B.* 28, 3179). — **IV**, 975.  
**C<sub>10</sub>H<sub>14</sub>O<sub>5</sub>N<sub>4</sub>** C 65,2 — H 6,5 — O 13,0 — N 15,2 — M. G. 368.  
 1) **Diäthyläther d. 3-Acetylamoido-6-Dimethylamido-1, 4-Dioxyphe nazin.** Sm. 179° (*B.* 24, 3828). — **II**, 949.  
**C<sub>10</sub>H<sub>14</sub>O<sub>5</sub>N<sub>5</sub>** C 67,4 — H 6,7 — O 18,0 — N 7,9 — M. G. 356.  
 1) **Aethylenäther d. Aethylbenzhydroxamsäure.** Fl. (*B.* 29, 1163).  
 2) **Diäthyläther d.  $\alpha\alpha$ -Dibenzoyl- $\beta$ -[ $\beta$ -Dioxyäthyl]hydrazin.** Sm. 125° (*B.* 27, 182). — **II**, 1191.  
 3)  **$\alpha$ -Di[2-Isopropylphenyl]phenylhydrazin-5, 5'-Dicarbonsäure** (*J. r.* 19, 215; *B.* 21, 489). — **IV**, 1508.  
 4) **Diäthylester d. Phenylhydrazonanemonensäure.** Sm. 167° (*M.* 17, 294). — **IV**, 797.  
 5) **Diäthylester d.  $\alpha\beta$ -Di[Phenylamido]bernsteinsäure.** Sm. 152° (150°, 145°) (*B.* 21, 1797; 27, 1604; *B.* 48, 728; *A.* 252, 170). — **II**, 438.  
 6) **Diäthylester d. Aethylenlendiphenyldi[amidoameisensäure].** Sm. 87 bis 88 (*B.* 20, 785). — **II**, 374.  
 7) **Diäthylester d.  $\alpha\beta$ -Di[Phenylamido]äthan-2, 2'-Dicarbonsäure** (D. d. Acetylendianthraniäsure). Sm. 117° (*B.* 28, 1686).  
 8) **Diäthylester d.  $\alpha\beta$ -Phenylhydrazido- $\alpha$ -Phenyläthan- $\beta\beta$ -Dicarbonsäure.** Sm. 79—80°. HCl (*B.* 28, 1451). — **IV**, 741.  
 9) **Diäthylester d. 3, 3'-Dimethyl-4, 4'-Biphenylen diamidoameisensäure.** Sm. 187° (*B.* 21, 1066). — **IV**, 981.  
 10) **Di[4-Aethoxylphenylamid] d. Bernsteinsäure.** Sm. 258° (*C.* 1897 [1]49).

- C<sub>20</sub>H<sub>24</sub>O<sub>4</sub>N<sub>4</sub>** C 62,5 — H 6,2 — O 16,7 — N 14,6 — M. G. 384.  
 1) **Aethylester d. 4-Aethoxylphenylazo-4-Aethoxylphenylhydrazonessigäure.** Sm. 127—129° (*B. 28*, 1691). — **IV**, 1240.  
 2) **Diäthylester d. Diphenyltetrazondiessigäure.** Sm. 117° (*B. 28*, 1226). — **IV**, 1309.
- C<sub>20</sub>H<sub>24</sub>O<sub>5</sub>N<sub>2</sub>** C 64,5 — H 6,4 — O 21,5 — N 7,5 — M. G. 372.  
 1) **Nitrosotetrahydropapaverin.** Sm. 180—182° (*M. 19*, 327).  
 2) **Säure (aus d. 4-Aethoxylphenylamidoessigäure).** Sm. 157° (*B. 22*, 1780). — **II**, 721.
- C<sub>20</sub>H<sub>24</sub>O<sub>6</sub>N<sub>2</sub>** C 61,9 — H 6,2 — O 24,7 — N 7,2 — M. G. 388.  
 1) **Tetramethyläther d. *p*-Diacetylidiamido-1,4,1',4'-Tetraoxybiphenyl.** Sm. 251° (*B. 17*, 2128). — **II**, 1037.  
 2) **Hexamethyläther d. Di[3,4,5-Trioxobenzyliden]hydrazin.** Sm. 263° (*B. 32*, 290).  
 3) **Yohimbinsäure (C. 1899 [1] 529).**  
 4) **4-Methylphenylamid d. Schleimsäure (J. pr. [2] 6, 153).** — **II**, 503.  
 5) **Di[4-Aethoxylphenylamid] d.  $\alpha\beta$ -Dioxyäthan- $\alpha\beta$ -Dicarbonsäure.** Sm. 271° (*C. 1897 [1] 49*). \*
- C<sub>20</sub>H<sub>24</sub>O<sub>6</sub>N<sub>4</sub>** C 57,7 — H 5,8 — O 23,1 — N 13,4 — M. G. 416.  
 1) **Verbindung (aus d. Diäthyläther d. 1,4-Di[4-Oxyphenyl]hexahydro-1,4-Diazin).** Zers. bei 120—130° (*B. 23*, 1980). — **II**, 717.
- C<sub>20</sub>H<sub>24</sub>O<sub>6</sub>S<sub>2</sub>** 1) **Aethylester d.  $\beta\beta$ -Diphenyldisulfon- $\alpha$ -Aethylbuttersäure.** Sm. 111° (*A. 259*, 372). — **II**, 789.
- C<sub>20</sub>H<sub>24</sub>O<sub>7</sub>N<sub>2</sub>** C 59,5 — H 5,7 — O 27,8 — N 6,9 — M. G. 403.  
 1) **Glykovianillinenphenylhydrazon.** Sm. 195° (*B. 18*, 1661). — **IV**, 763.  
 2) **Monacetat d. Dioxim d. Säure C<sub>15</sub>H<sub>20</sub>O<sub>5</sub>.** Sm. 195° (*B. 27* [2] 594).
- C<sub>20</sub>H<sub>24</sub>O<sub>10</sub>N<sub>2</sub>** C 53,1 — H 5,3 — O 35,4 — N 6,1 — M. G. 452.  
 1) **Diäthylester d. Tetracylidiamidohydrochinondicarbonsäure.** Sm. 206° (*B. 21*, 1764). — **II**, 2004.
- C<sub>20</sub>H<sub>24</sub>O<sub>10</sub>Cl<sub>2</sub>** 1) **Tetraäthylester d. 2,5-Dichlor-3,6-Dioxybenzol-1,4-Di[Methyldicarbonsäure].** Sm. 160—161° (*Am. 13*, 39). — **II**, 2096.
- C<sub>20</sub>H<sub>24</sub>O<sub>8</sub>J<sub>2</sub>** 1) **Thymoljodid (C. 1898 [1] 1063).**
- C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **dimolec. Formmesidichlorid.** Sm. 178° (*B. 28*, 750).
- C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>S** 1) **s-Oenanthyldendiphenylthioharnstoff (A. 148, 335).** — **II**, 445.
- C<sub>20</sub>H<sub>25</sub>ON** C 81,4 — H 8,5 — O 5,4 — N 4,7 — M. G. 295.  
 1) **6 [4-Isopropylbenzyliden]amido-3-Oxy-4-Isopropyl-1-Methylbenzol.** Sm. 153—154° (*A. 25* [2] 391). — **III**, 56.  
 2)  **$\alpha$ -Oximido- $\alpha\beta$ -Diphenyloktan.** Sm. 89° (*B. 22*, 347). — **III**, 239.
- C<sub>20</sub>H<sub>25</sub>O<sub>5</sub>N** C 77,2 — H 8,0 — O 10,3 — N 4,5 — M. G. 311.  
 1) **Bensoat d. Pulegenacetoxim.** Sm. 178—179° (*C. 1899 [1] 38*).
- C<sub>20</sub>H<sub>25</sub>O<sub>5</sub>N** C 73,4 — H 7,6 — O 14,7 — N 4,3 — M. G. 327.  
 1) **Aethodein (B. 15, 1486).** — **III**, 904.  
 2) **2-Naphthylmonamid d.  $\beta\beta$ -Dimethylhexan- $\gamma\delta$ -Dicarbonsäure.** Sm. 164° (*A. 292*, 174).
- C<sub>20</sub>H<sub>25</sub>O<sub>5</sub>N<sub>3</sub>** C 67,6 — H 7,0 — O 13,5 — N 11,8 — M. G. 355.  
 1) **1,4-Diäthyläther d. 2-Oximido-1,4-Di[4-Oxyphenyl]hexahydro-1,4-Diazin.** Sm. bei 80° (*B. 23*, 1980). — **II**, 717.
- C<sub>20</sub>H<sub>25</sub>O<sub>4</sub>N** C 69,9 — H 7,3 — O 18,6 — N 4,1 — M. G. 343.  
 1) **Codamin.** Sm. 121°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), HJ + 1½H<sub>2</sub>O (*A. 153*, 56; *282*, 213; *A. Spl. 8*, 280). — **III**, 911.  
 2) **Laudanum.** Sm. 166°. HCl + 6H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), HBr + 2H<sub>2</sub>O, HJ + H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + 4H<sub>2</sub>O, Dioxalat + 6H<sub>2</sub>O, Ditartrat + 3H<sub>2</sub>O (*A. 153*, 53; *176*, 201; *282*, 208; *A. Spl. 8*, 272; *B. 13*, 1074, 1075; *M. 13*, 693). — **III**, 912.  
 3) **Laudanidin.** Sm. 177°. (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O), HJ, Oxalat + 2H<sub>2</sub>O (*A. 282*, 209). — **III**, 912.  
 4) **d-Tetrahydropapaverin.** Sm. 223—224°. d-Bromcamphersulfonat (*Soc. 73*, 898).  
 5) **l-Tetrahydropapaverin.** Sm. 223—224°. d-Chlorcamphersulfonat, d-Bromcamphersulfonat (*Soc. 73*, 897, 901).  
 6) **i-Tetrahydropapaverin.** Sm. 200—201°. + CH<sub>4</sub>O, HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub> + 7H<sub>2</sub>O, H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>, Pikrat, Tartrat + H<sub>2</sub>O (*M. 7*, 495; *19*, 321; *Soc. 73*, 896, 902). — **IV**, 440.

- C<sub>20</sub>H<sub>25</sub>O<sub>4</sub>N** 7) Diäthylester d. 2,6-Dimethyl-4-Benzyl-1,4-Dihydropyridin-3,5-Dicarbonsäure. Sm. 115° (*B. 21*, 1783). — IV, 371.  
**C<sub>20</sub>H<sub>25</sub>O<sub>6</sub>N** C 64,0 — H 6,7 — O 25,6 — N 3,7 — M. G. 375.  
 1) Diäthylester d.  $\alpha$ -Phtalylamidopentan- $\gamma\gamma$ -Dicarbonsäure. Sm. 62° (*B. 23*, 3692). — II, 1812.  
 2) Diäthylester d. 1-Oximido-5-Methyl-3-[2-Methoxyphenyl]-1,2,3,4-Tetrahydrobenzol-2,4-Dicarbonsäure. Sm. 145° (*A. 303*, 251).  
**C<sub>20</sub>H<sub>25</sub>O<sub>6</sub>N<sub>3</sub>** C 59,5 — H 6,2 — O 23,8 — N 10,4 — M. G. 403.  
 1) Trinitroditerbenthylen (*Bd. 50*, 420; 51, 119). — II, 220.  
**C<sub>20</sub>H<sub>25</sub>O<sub>6</sub>Cl** 1) Tetraäthylläther d. Chlorhexaoxybiphenyl. Sm. 129—130° (*B. 31*, 616).  
**C<sub>20</sub>H<sub>25</sub>O<sub>9</sub>N** C 56,7 — H 5,9 — O 34,0 — N 3,3 — M. G. 423.  
 1) Verbindung (aus d. Diäthylläther d. 1,2,3-Trioxybenzol) (*M. 2*, 216).  
**C<sub>20</sub>H<sub>25</sub>O<sub>10</sub>Br<sub>2</sub>** 1) Pentabromiderivat d. Farbstoffe C<sub>20</sub>H<sub>25</sub>O<sub>10</sub> (*Soc. 35*, 22). — III, 667.  
**C<sub>20</sub>H<sub>25</sub>NS<sub>2</sub>** 1) Diphenylläther d. 4,4-Dimerkapto-2,2,6-Trimethylhexahydropyridin. Sm. 87°. HCl (*B. 31*, 3149).  
**C<sub>20</sub>H<sub>25</sub>N<sub>2</sub>J** 1) Jodmethylester d. Desoxycinchonin. Sm. 176° (*B. 31*, 2357).  
 2) Jodmethylester d. Desoxycinchonin. Sm. 167—168° (*B. 31*, 2355).  
**C<sub>20</sub>H<sub>25</sub>ON<sub>2</sub>** C 77,4 — H 8,4 — O 5,2 — N 9,0 — M. G. 310.  
 1) Methylcinchonamin. Sm. 139°. (2HCl, PtCl<sub>4</sub>) (*A. 225*, 230; *A. ch. [6]* 19, 115). — III, 928.  
 2) Di[4-Isopropylbenzyl]nitrosamin (*A. 245*, 310). — II, 560.  
**C<sub>20</sub>H<sub>26</sub>O<sub>2</sub>N<sub>2</sub>** C 73,6 — H 8,0 — O 9,8 — N 8,6 — M. G. 326.  
 1) Hydrochinin + H<sub>2</sub>O. Sm. 172,3° (wasserfrei). Salze meist bek. (*B. 15*, 856; *A. 241*, 257; *Fr. 27*, 561; *M. 18*, 72). — III, 859.  
 2) Hydroconchinin (Hydrochinidin) +  $\frac{1}{2}$ H<sub>2</sub>O. Sm. 166—167°. Salze meist bek. (*B. 14*, 1955; *B. 15*, 520, 855, 1656, 3008; *A. 243*, 146). — III, 827.  
 3) Hydrochinicin. (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O). Oxidat (*A. 241*, 273). — III, 860.  
 4) Diäthylläther d. 1,4-Di[4-Oxyphenyl]hexahydro-1,4-Diazin. Sm. 223° (*B. 22*, 1782; 23, 1979). — II, 717.  
 5) dimolec. Formmesidid. Sm. 285° (*B. 28*, 751).  
**C<sub>20</sub>H<sub>26</sub>O<sub>2</sub>S** 1) Di[2,3,5,6-Tetramethylphenyl]sulfon. Sm. 37° (*B. 18*, 2843). — II, 828.  
 2) Di[3-Oxy-4-Isopropyl-1-Methylphenyl]-P-Sulfid. Sm. 152—153° (*G. 17*, 93). — II, 971.  
**C<sub>20</sub>H<sub>26</sub>O<sub>3</sub>N<sub>2</sub>** C 70,2 — H 7,6 — O 14,0 — N 8,2 — M. G. 342.  
 1) Hydrochinin + H<sub>2</sub>O. Sm. bei 100°. (2HCl, PtCl<sub>4</sub>) (*A. 108*, 347). — III, 815.  
 2) Cupreinmethoxyhydrat. Salze siehe (*A. 230*, 66). — III, 822.  
 3) Äthylester d. Phenylhydrazoncampheroxalsäure. Sm. 212° (*Am. 19*, 402). — IV, 709.  
 4) Verbindung (Base aus Harn) (*B. 25* [2] 755).  
**C<sub>20</sub>H<sub>26</sub>O<sub>4</sub>N<sub>2</sub>** C 67,0 — H 7,3 — O 17,9 — N 7,8 — M. G. 358.  
 1) Tetraäthylläther d. 2,5,2',5'-Tetraoxyazobenzol. Sm. 128° (*A. 215*, 147). — IV, 1446.  
**C<sub>20</sub>H<sub>26</sub>O<sub>4</sub>N<sub>4</sub>** C 62,2 — H 6,7 — O 16,6 — N 14,5 — M. G. 386.  
 1) Di[Methylphenylhydrazon] d. Glykose. Sm. 152° u. Zers. (*B. 22*, 91). — IV, 792.  
 2) Di[2-Methylphenylhydrazon] d. Glykose. Sm. 201° u. Zers. (*A. 239*, 229). — IV, 804.  
 3) Di[4-Methylphenylhydrazon] d. Glykose. Sm. 193—194° (*A. 239*, 229). — IV, 810.  
 4) Harnstoff (aus Acetylphenylsemicarbazid). Sm. 171—172° (*B. 27*, 2207).  
**C<sub>20</sub>H<sub>26</sub>O<sub>4</sub>S** 1) Di[3-Oxy-4-Isopropyl-1-Methylphenyl]-P-Sulfon. Sm. 213—214° (*G. 19*, 348). — II, 971.  
 2) 3-Methyl-6-Isopropylphenylester d. 3-Oxy-4-Isopropyl-1-Methylbenzol-6-Sulfonsäure (*J. pr. [2]* 13, 172). — II, 847.  
**C<sub>20</sub>H<sub>26</sub>O<sub>5</sub>S<sub>2</sub>** 1) Rhamnosebenzylmerkaptal. Sm. 125° (*B. 29*, 552).  
**C<sub>20</sub>H<sub>26</sub>O<sub>5</sub>N<sub>4</sub>** C 59,7 — H 6,5 — O 19,9 — N 13,9 — M. G. 402.  
 1) Di[Phenylhydrazon] d. Rhamnoheptose. Sm. bei 200° u. Zers. (*B. 23*, 3108). — IV, 793.  
**C<sub>20</sub>H<sub>26</sub>O<sub>5</sub>S** 1) Triphenylmethan-a-Carbonsäure-P-Sulfonsäure. Ba + H<sub>2</sub>O (*J. pr. [2]* 32, 624). — II, 1451.  
**C<sub>20</sub>H<sub>26</sub>O<sub>8</sub>S<sub>2</sub>** 1) Glykosebenzylmerkaptal. Sm. 133° (*B. 29*, 551).

- $C_{20}H_{26}O_5S_3$  2) Galaktosebenzylmerkapta. Sm. 130° (*B. 29*, 551).  
3) Di[ $\gamma$ -4-Methylphenylsulfonpropyl]äther. Sm. 79—80° (*B. 24*, 1835; *J. pr.* [2] 51, 297).  
 $C_{20}H_{26}O_6N_3$  C 61,5 — H 6,7 — O 24,6 — N 7,2 — M. G. 390.  
1) m-d-Cocainurethan. Sm. 100—101°. HCl (*B. 27*, 1884). — *III*, 868.  
2) m-l-Cocainurethan. Sm. 143°. HCl, HBr (*B. 27*, 1878). — *III*, 868.  
 $C_{20}H_{26}O_6N_4$  C 57,4 — H 6,2 — O 23,0 — N 13,4 — M. G. 418.  
1) Di[Phenylhydrazon] d.  $\alpha$ -Glykooktose. Sm. 210—212° u. Zers. (*A. 270*, 98). — *IV*, 792.  
2) Di[Phenylhydrazon] d. d-Mannoktose. Sm. bei 223° u. Zers. (*B. 23*, 2235). — *IV*, 794.  
3) Diäthylester d.  $\alpha\beta$ -Di[Phenylhydrazido]- $\alpha\beta$ -Dioxyäthan- $\alpha\beta$ -Dicarbonsäure. Sm. 116—118° u. Z.-rs. (*B. 28*, 67). — *IV*, 728.  
4) Diäthylester d. 1,3-Phtalylid[ $\beta$ -Hydrazonebuttersäure] (D. d. Iso-phthalylhydrazinacetessigäure). Sm. 145° (*J. pr.* [2] 54, 77).  
5) Diäthylester d. 1,4-Phtalylid[ $\beta$ -Hydrazonebuttersäure]. Sm. 240° (*J. pr.* [2] 54, 83).  
6) Verbindung (d. 2-Amidobenzol-1-Carbonsäureamid mit Oxalsäurediäthylester). Sm. 87—90° (*J. pr.* [2] 43, 231). — *II*, 1246.  
 $C_{20}H_{26}O_6N_4$  C 55,3 — H 6,0 — O 25,8 — N 12,9 — M. G. 434.  
1) Verbindung (aus Acetessigsäureäthylester u. Hydroxylamin). Zers. bei 140° (*B. 24*, 500). — *I*, 495.  
 $C_{20}H_{26}O_6N_5$  C 54,8 — H 5,9 — O 32,9 — N 6,4 — M. G. 438.  
1) Verbindung (aus Acetochlorsäureäthylester). Sm. 82° (*A. 278*, 74).  
 $C_{20}H_{26}O_6N_2$  C 52,9 — H 5,7 — O 35,2 — N 6,2 — M. G. 454.  
1) Tetraäthylester d. 3,6-Diamido-1,4-Diketo-1,4-Dihydrobenzol-2,5-Di[Methylidicarbonsäure]. Sm. 159—160° (*Am. 18*, 40). — *II*, 2097.  
 $C_{20}H_{26}N_8$  1) Benzylimidobenzylamidomethylisocamylsulfid (*B. 19*, 2349). — *II*, 529.  
 $C_{20}H_{26}N_4S$  1) Aethylensulfölarumin. Sm. 179° (*J. pr.* [2] 50, 442). — *IV*, 1175.  
 $C_{20}H_{26}N_5S_2$  1) 4,4'-Biphenylenid[Isopropylthioharstoff].  $\alpha$ -Modif. Sm. noch nicht bei 300°;  $\beta$ -Modif. Sm. 170° (*B. 27*, 1559). — *IV*, 965.  
 $C_{20}H_{27}O_5N$  C 76,7 — H 8,6 — O 10,2 — N 4,5 — M. G. 313.  
1) Benzoat d. 1-Oximido-3-Hexyl-5-Methyl-1,2,3,4-Tetrahydrobenzol. Sm. 150—152° (*A. 288*, 345).  
 $C_{20}H_{27}O_5N$  C 73,0 — H 8,2 — O 14,6 — N 4,2 — M. G. 329.  
1) Aethylester d. Propylphenyltetrahydroazindoncarbonsäure. Sm. 150—152°. (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>4</sub>) (*B. 29*, 816). — *IV*, 367.  
 $C_{20}H_{27}O_5N_4$  C 67,2 — H 7,6 — O 13,4 — N 11,8 — M. G. 357.  
1) Nitrosotetrahydrochininin. Fl. HNO<sub>3</sub> (*B. 29*, 803). — *III*, 816.  
2) Nitrosotetrahydrochinidin. Fl. HNO<sub>3</sub> (*B. 29*, 804). — *III*, 826.  
 $C_{20}H_{27}O_5N_5$  C 62,3 — H 7,0 — O 12,5 — N 18,2 — M. G. 385.  
1) Verbindung (aus d. Propionylcyanessigsäureäthylester u. Phenylhydrazin). Sm. 87° (*C. 1895* [2] 83).  
 $C_{20}H_{27}O_4N$  C 69,6 — H 7,8 — O 18,6 — N 4,0 — M. G. 345.  
1) Echitenin. Sm. oberh. 120°. (2HCl, HgCl<sub>2</sub> + 2H<sub>2</sub>O), (2HCl, PtCl<sub>4</sub>) (*A. 203*, 164). — *III*, 881.  
2) Codeinäthyloxyhydrat. Jodid (*A. 88*, 339; *C. r. 93*, 591). — *III*, 904.  
3) Morphinäthyäthermethoxyhydrat. Sm. 132° (*A. ch.* [5] 27, 278). — *III*, 908.  
4) Isobutylester d. Benzoyleconin. Sm. 61—62° (*Am. 10*, 148). — *III*, 867.  
5) Isobutylester d. d-Benzoyleconin. HCl + H<sub>2</sub>O (*B. 23*, 987). — *III*, 867.  
 $C_{20}H_{27}O_4P$  1) Di[3-Methyl-6-Isopropylphenyl]phosphorsäure. Na, Ba + 5H<sub>2</sub>O (*B. 18*, 1705; *G. 18*, 280). — *II*, 770.  
2) Di[ $\alpha$ -Oxy-4-Isopropylbenzyl]phosphinsäure (Dioxycumylphosphinsäure). Sm. bei 140°. Ba + H<sub>2</sub>O (*Bl. [3] 2*, 206). — *IV*, 1680.  
 $C_{20}H_{27}O_5N_8$  C 59,3 — H 6,7 — O 23,7 — N 10,5 — M. G. 405.  
1) Phenylhydrazid d. 4-Methylphenylgalaktosecarbonsäure. Sm. 206° (*B. 27*, 1291). — *IV*, 726.  
2) Phenylhydrazid d. 4-Methylphenylamidoglykosecarbonsäure. Sm. 211—212° (*B. 27*, 1290). — *IV*, 726.  
 $C_{20}H_{27}O_5N_3$  C 53,0 — H 5,0 — O 31,8 — N 9,3 — M. G. 453.  
1) Trinitroditerezethyl (*Soc. 54*, 161). — *II*, 176.

- C<sub>20</sub>H<sub>27</sub>O<sub>11</sub>N** C 52,5 — H 5,9 — O 38,5 — N 3,1 — M. G. 457.  
 1) **Amygdalin** + 3H<sub>2</sub>O. Sm. 200° (wasserfrei). Lit. bedeutend. — **III**, 569.  
 2) **amorphes Amygdalin** (A. 31, 263; *Berz. J.* 20, 428; *J. 1874*, 887). — **III**, 570.
- C<sub>20</sub>H<sub>27</sub>N<sub>2</sub>J** 1) **Jodäthylat d. 1,4-Dibenzylhexahydro-1,4-Diazin.** Sm. 197° (*C. 1898* [1] 381).
- C<sub>20</sub>H<sub>28</sub>ON<sub>2</sub>** C 76,9 — H 9,0 — O 5,1 — N 9,0 — M. G. 312.  
 1) **Tetraäthyldiamidophenyläther.** Sm. 89°. (2HCl, PtCl<sub>4</sub>), Pikrat (B. 21, 2061). — **II**, 657.
- C<sub>20</sub>H<sub>28</sub>O<sub>3</sub>N<sub>2</sub>** C 73,2 — H 8,5 — O 9,8 — N 8,5 — M. G. 328.  
 1) **7-Nitro-3-Amyl-2-Hexylchinolin.** Sm. 53°. Pikrat (B. 24, 1737). — **IV**, 344.  
 2) **Tetrahydrochininin.** HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (M. 16, 631; B. 29, 803). — **III**, 816.  
 3) **Tetrahydrochininidin.** Fl. (B. 29, 804). — **III**, 826.  
 4) **Azocamphanon** (Bicamphanonazin). Sm. bei 222° (217—218°) (G. 24 [2] 47, 319; 26 [2] 292; 27 [2] 118). — **III**, 495.  
 5) **Tetraäthyldiamidophenyldioxid.** Sm. 67° (B. 20, 1640). — **II**, 817.  
 6) **Aethylester d. 1-Phenylhydrazon-3-Isobutyl-5-Methyl-1,2,3,4-Tetrahydrobenzol-2-Carbonsäure.** Sm. 162—163° (A. 288, 335). — **IV**, 693.
- C<sub>20</sub>H<sub>28</sub>O<sub>3</sub>N<sub>2</sub>** C 69,8 — H 8,1 — O 13,9 — N 8,1 — M. G. 344.  
 1) **Anhydrid d. Camphersäuremononitril.** Sm. 172—173° (175—176°) (G. 26 [1] 420; Bl. [3] 15, 986).
- C<sub>20</sub>H<sub>28</sub>O<sub>4</sub>N<sub>2</sub>** C 66,7 — H 7,8 — O 17,7 — N 7,8 — M. G. 360.  
 1) **Tetraäthyläther d. P-Diamido-1,4,1',4'-Tetraoxybiphenyl.** Sm. 129°. 2HCl, (2HCl, PtCl<sub>4</sub>) (B. 12, 40; A. 215, 148). — **II**, 1037.
- C<sub>20</sub>H<sub>28</sub>O<sub>4</sub>Br<sub>4</sub>** 1) **Verbindung** (aus Dammharz). — **III**, 555.
- C<sub>20</sub>H<sub>28</sub>O<sub>5</sub>N<sub>2</sub>** C 63,8 — H 7,4 — O 21,3 — N 7,4 — M. G. 376.
- C<sub>20</sub>H<sub>28</sub>O<sub>6</sub>N<sub>2</sub>** 1) **Anhydropseudotrotcampher.** Sm. 190° u. Zers. (Soc. 73, 996).
- C<sub>20</sub>H<sub>28</sub>O<sub>6</sub>N<sub>4</sub>** C 61,2 — H 7,1 — O 24,5 — N 7,1 — M. G. 392.  
 1) **Acetat d. 2,6-Tetracytlydiamido-3-Oxy-4-Isopropyl-1-Methylbenzol.** Sm. 184—186° (G. 20, 418). — **II**, 773.  
 2) **Triäthylester d. γ-Phenylhydrazonbutan-αβ-Dicarbonsäure-β-Methylcarbonsäure** (Tr. d. Phenylhydrazon-β-Acetricarballylsäure). Sm. 100—101° (B. 21, 3756). — **IV**, 727.
- C<sub>20</sub>H<sub>28</sub>O<sub>6</sub>N<sub>4</sub>** C 57,1 — H 6,7 — O 22,9 — N 13,3 — M. G. 420.  
 1) **Di[Phenylhydrazon] d. Galaktose.** Sm. 220—225° u. Zers. (A. 288, 151). — **IV**, 794.
- C<sub>20</sub>H<sub>28</sub>O<sub>7</sub>N<sub>2</sub>** C 58,8 — H 6,9 — O 27,4 — N 6,9 — M. G. 408.  
 1) **Diäthylester d. 1-Oxamido-5-Oximido-3-[4-Methoxyphenyl]-1-Methylhexahydrobenzol-2,4-Dicarbonsäure.** Sm. 195° (A. 303, 248).
- C<sub>20</sub>H<sub>28</sub>O<sub>10</sub>Cl<sub>2</sub>** 1) **Dichlorlderivat d. Farbstoff C<sub>20</sub>H<sub>28</sub>O<sub>10</sub>** (Soc. 35, 22). — **III**, 667.
- C<sub>20</sub>H<sub>28</sub>N<sub>2</sub>J<sub>2</sub>** 1) **Jodmethylat d. Base C<sub>18</sub>H<sub>22</sub>N<sub>2</sub>** (aus Di-o-Xylyleudiimin) (B. 24, 2406). — **IV**, 996.
- C<sub>20</sub>H<sub>28</sub>N<sub>2</sub>S** 1) **α-Tetraäthyldiamidodiphenylsulfid.** Sm. 53° (79,5—80%). 2HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub>, Pikrat (B. 21, 2059; 23, 556). — **II**, 804.
- C<sub>20</sub>H<sub>28</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Tetraäthyldiamidodiphenyldisulfid.** Sm. 72°. (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O), Pikrat (B. 20, 1637). — **II**, 817.
- C<sub>20</sub>H<sub>28</sub>N<sub>2</sub>Aa<sub>2</sub>** 1) **Di[4-Diäthylaminodiphenyl]diarsenid.** Sm. 180° (A. 270, 147). — **IV**, 1686.
- C<sub>20</sub>H<sub>28</sub>N<sub>2</sub>Hg** 1) **Quecksilberdi[4-Diäthylaminodiphenyl].** Sm. 160,5° (G. 23 [2] 541). — **IV**, 1707.
- C<sub>20</sub>H<sub>28</sub>N<sub>2</sub>Se** 1) **Tetraäthyldiamidodiphenylelenid.** Sm. 83°. 2HCl, Pikrat (B. 24, 766). — **II**, 819.
- C<sub>20</sub>H<sub>28</sub>OCl** 1) **Chlorid d. Dextropimarsäure.** Sm. 64—66° (B. 19, 2172). — **II**, 1437.
- C<sub>20</sub>H<sub>28</sub>N<sub>2</sub>Cl** 1) **Chlormethylat d. ββ-Di[4-Dimethylaminodiphenyl]propan.** 2 + PtCl<sub>4</sub> (B. 6, 350). — **IV**, 984.
- C<sub>20</sub>H<sub>28</sub>N<sub>2</sub>J** 1) **Jodmethylat d. ββ-Di[4-Dimethylaminodiphenyl]propan** (B. 6, 349). — **IV**, 984.
- C<sub>20</sub>H<sub>28</sub>ON<sub>2</sub>** C 76,4 — H 9,6 — O 5,1 — N 8,9 — M. G. 314.  
 1) **Methoxyhydrat d. ββ-Di[4-Dimethylaminodiphenyl]propan.** Chlorid, Jodid (B. 6, 349). — **IV**, 984.

- $C_{20}H_{30}O_2N_4$  C 67,0 — H 8,4 — O 8,9 — N 15,6 — M. G. 358.  
 1) **Aethylenäther d. 6-Oxy-5-Methyl-2,4-Diäthyl-1,3-Diazin.** Sm. 153,5°.  
 (2HCl, PtCl<sub>4</sub>) (J. pr. [2] 26, 351). — IV, 829.
- $C_{20}H_{30}O_2Br_2$  1) **Dibromcampher.** Sm. 128—129° (G. 27 [2] 127).
- $C_{20}H_{30}O_2S$  1) **Ditereobenthylsulfonsäure** (Soc. 54, 162). — II, 176.
- $C_{20}H_{30}O_2N_2$  C 66,2 — H 8,3 — O 17,7 — N 7,7 — M. G. 362.  
 1) **d-Bisnitrosocaron.** Zers. bei 112—118° (B. 28, 641, 652). — III, 502.  
 2) **i-Bisnitrosocaron.** Sm. 145° u. Zers. (B. 28, 642). — III, 503.  
 3) **Bisnitrosocarveol.** Sm. 133° u. Zers. (B. 28, 646). — III, 504.  
 4) **Bintroposopogen** (B. 28, 654; 29, 1080). — III, 510.  
 5) **2,5-Dimethylhexahydro-1,4-Diazin + 2 Molec. Guajakol.** Sm. 66 bis 67° (Bl. [3] 19, 620).
- $C_{20}H_{30}O_2N_6$  C 46,7 — H 5,8 — O 31,1 — N 16,3 — M. G. 514.  
 1) **Säure (aus Fleisch)** (B. 26 [2] 897).
- $C_{20}H_{30}O_2Cl_2$  1) **Diäthylester d. 3,6-Dichlor-2,5-Diäthoxy-1,4-Benzochinondiäthyl-acetaldicarbonsäure.** Sm. 122° (Am. 17, 645). — III, 351.
- $C_{20}H_{30}N_2Cl_2$  1) **Tetramethylid[4-Methylphenyläthylenediammoniumchlorid.** + PtCl<sub>4</sub>, + 2HgCl<sub>2</sub> (A. 224, 338). — II, 487.
- $C_{20}H_{30}N_2Br_2$  1) **Tetramethylid[4-Methylphenyläthylenediammoniumbromid** (A. 224, 337). — II, 487.
- $C_{20}H_{30}N_4S$  1) **Di[2-Amido-5-Diäthylamidophenyl]disulfid.** Fl. Pikrat (A. 251, 57). — II, 817.
- $C_{20}H_{30}O_2N$  C 75,7 — H 9,8 — O 10,1 — N 4,4 — M. G. 317.  
 1) **Dicamphorylimid.** Sm. 160° (B. 13, 1405). — III, 497.
- $C_{20}H_{30}O_2Cl$  1) **Verbindung (aus Dammarharz).** — III, 555.
- $C_{20}H_{30}ON$  C 76,0 — H 10,1 — O 5,1 — N 8,8 — M. G. 316.  
 1) **Verbindung (aus Isodammar).** Sm. 165—166° (G. 27 [1] 168).
- $C_{20}H_{30}O_2N_2$  C 72,3 — H 9,6 — O 9,6 — N 8,4 — M. G. 332.  
 1) **Bisnitrincaron.** Sm. 120—130° (B. 28, 644). — III, 503.  
 2) **Dioxim d. 1-a-Dicarvelon.** Sm. 223° (A. 305, 227).  
 3) **Dioxim d. 1-a-Dicarvelon.** Sm. 287° u. Zers. (A. 305, 227).  
 4) **Verbindung (aus Camphoroxim).** Sm. 100—105° (G. 28 [2] 513).  
 $C_{20}H_{30}O_2N_4$  C 61,9 — H 8,2 — O 8,2 — N 21,6 — M. G. 388.  
 1) **2,3,5,6-Tetramethyl-1,4-Diazin + β-Dioximidobutan.** Sm. 178° (A. 264, 244). — IV, 827.
- $C_{20}H_{30}O_2Br_2$  1) **1-a-Dicarvelonlhydrobromid.** Sm. 165° (A. 305, 228).
- $C_{20}H_{30}O_2Hg$  1) **Myristinat d. Quecksilberphenyloxydhydrat** (J. pr. [2] 1, 185). — IV, 1705.
- $C_{20}H_{30}O_2N_2$  C 65,9 — H 8,8 — O 17,6 — N 7,7 — M. G. 364.  
 1) **Caronbisnitroson** (B. 28, 645, 1602).  
 2) **Succinyltropein.** HBr (C. 1895 [1] 434).
- $C_{20}H_{30}O_2N_2$  C 63,2 — H 8,4 — O 21,0 — N 7,4 — M. G. 380.  
 1) **Malyltropein.** (HCl, AuCl<sub>4</sub>). HBr (C. 1895 [1] 434).
- $C_{20}H_{30}O_2P_2$  1) **Anhydrid d. α-Camphenophosphorsäure.** Sm. 184° (Soc. 65, 37). — IV, 1681.
- $C_{20}H_{30}O_2N_2$  C 60,6 — H 8,1 — O 24,2 — N 7,1 — M. G. 396.  
 1) **Tartryltropein.** (HCl, AuCl<sub>4</sub>). HBr (C. 1895 [1] 434).  
 2) **Tetraäthyläther d. Di[β-Dioxyäthylamid] d. Benzol-1,2-Dicarbon-säure (Phthalylamidoacetal).** Sm. 90° (B. 27, 3102). — II, 1813.  
 3) **Tetraäthyläther d. Di[β-Dioxyäthylamid] d. Benzol-1,3-Dicarbon-säure.** Sm. bei 75° (B. 27, 3105). — II, 1827.  
 4) **Tetraäthyläther d. Di[β-Dioxyäthylamid] d. Benzol-1,4-Dicarbon-säure (Terephthalylamidoacetal).** Sm. 165° (B. 27, 3103). — II, 1832.
- $C_{20}H_{30}O_2N_2$  C 58,2 — H 7,8 — O 27,2 — N 6,8 — M. G. 412.  
 1) **Camphenitrat.** Fl. (A. 159, 283). — III, 487.
- $C_{20}H_{30}O_2N_2$  C 47,2 — H 6,3 — O 40,9 — N 5,5 — M. G. 508.  
 1) **Triacetylchitosan** (H. 20, 503). — III, 576.
- $C_{20}H_{30}O_2S$  1) **Stärkeschwefelsäure** (A. 55, 13). — I, 1087.
- $C_{20}H_{30}ON$  C 79,2 — H 10,9 — O 5,3 — N 4,6 — M. G. 303.  
 1) **Phenylamid d. Myristinsäure.** Sm. 84° (A. 202, 174; J. pr. [2] 52, 60). — II, 370.
- $C_{20}H_{30}OCl$  1) **Verbindung (aus Pinen).** Fl. (Soc. 55, 47). — III, 519.
- $C_{20}H_{30}O_2N$  C 75,2 — H 10,3 — O 10,0 — N 4,4 — M. G. 319.  
 1) **Phenylamidostearinsäure.** Sm. 143° (B. 22, 1748). — II, 436.

- $C_{20}H_{33}O_2N$  2)  $\beta$ -Disoamylamidoisopropylester d. Benzolcarbonsäure. Oxalat (A. ch. [6] 13, 439). — II, 1140.
- $C_{20}H_{34}ON_2$  C 75,5 — H 10,7 — O 5,0 — N 8,8 — M. G. 318.
- 1) Humulennitropiperidin. Sm. 153°. HCl, (2HCl, PtCl<sub>4</sub>) (Soc. 67, 62, 780). — IV, 23.
  - 2) Caryophyllennitropiperidin. Sm. 141—143° (A. 279, 392). — III, 538.
- $C_{20}H_{34}OBr_2$  1) Dibromexcretin (A. 166, 215). — III, 631.
- $C_{20}H_{34}O_2S_2$  1) Diamyläther d.  $\alpha$ -[2-Methylphenyl]sulfon- $\beta\gamma$ -Dimerkaptopropan. Fl. (J. pr. [2] 56, 463).
- 2) Diamyläther d.  $\alpha$ -[4-Methylphenyl]sulfon- $\beta\gamma$ -Dimerkaptopropan. Fl. (J. pr. [2] 56, 459).
- $C_{20}H_{34}O_4N_2$  C 65,6 — H 9,3 — O 17,5 — N 7,6 — M. G. 366.
- 1) tert. Nitrosomenthon (3-Keto-4-Nitroso-1-Methyl-4-Propylhexahydrobenzol; Bisnitrosomenthon). Sm. 112,5° (B. 27, 1915; 28, 1586). — III, 480.
  - 2) act. Bisnitrotetrahydrocarvon. Sm. 119° (B. 29, 33). — III, 484.
- $C_{20}H_{34}O_8S_3$  1)  $\beta\gamma$ -Diamylsulfon- $\alpha$ -[4-Methylphenyl]sulfonpropan. Sm. 112—113° (J. pr. [2] 56, 460).
- $C_{20}H_{34}N_2J_2$  1) Di[Jodmethylat] d. 1,2-Di[1-Piperidylmethyl]benzol. Sm. 234° (B. 31, 427).
- $C_{20}H_{35}N_2Cl$  1) Verbindung (Base aus Iso-l-Menthonoxim). Sm. 59—60°. 2HCl, 2IIJ (A. 278, 305). — III, 479.
- $C_{20}H_{36}O_2Br_2$  1) Verbindung (aus Cincol) (A. 230, 228). — III, 474.
- $C_{20}H_{36}N_2Cl_2$  1) Dichlorisoamylat d. Nikotin. + PtCl<sub>4</sub> (A. 90, 226). — IV, 857.
- $C_{20}H_{36}N_2J_2$  1) Diiodisoamylat d. Nikotin (A. 90, 226). — IV, 857.
- $C_{20}H_{37}O_1N_3$  C 50,1 — H 7,7 — O 33,4 — N 8,8 — M. G. 479.
- 1) Trinitrodracoalban (C. 1896 [2] 713).
- $C_{20}H_{38}ON_2$  C 74,5 — H 11,8 — O 5,0 — N 8,7 — M. G. 322.
- 1) s-Campheylcampholyharnstoff. Sm. 259—260° (G. 22 [2] 113). — I, 1301.
  - 2) C 44,0 — H 6,0 — O 44,0 — N 5,1 — M. G. 546.
- $C_{20}H_{38}O_{15}N_2$  1) Achillein (A. 58, 27; 155, 153). — III, 772.
- $C_{20}H_{38}N_2Cl_2$  1) Dichloräthylat d. 1,2-Di[Diäthylamidomethyl]benzol. + PtCl<sub>4</sub> (B. 31, 594).
- $C_{20}H_{36}N_2Br_2$  1) Dibromäthylat d. 1,2-[Diäthylamidomethyl]benzol (B. 31, 593).
- $C_{20}H_{39}OCl$  1) Chlorid d. Arachinsäure. Sm. 66—67° (B. 11, 2031). — I, 460.
- $C_{20}H_{39}O_2Br$  1)  $\alpha$ -Bromarachinsäure. Sm. 62—64°. Na, Ca, Cu, Ag (M. 17, 530).
- 2) Aethylester d.  $\alpha$ -Bromstearinsäure. Sm. 35—36° (33—34,5°) (B. 24, 2227, 2391). — I, 488.
- $C_{20}H_{39}O_4J$  1)  $\alpha$ -Jodarachinsäure. Sm. 70° (M. 17, 533).
- $C_{20}H_{39}O_4N$  C 67,2 — H 10,9 — O 17,9 — N 3,9 — M. G. 357.
- 1) Nitroarachinsäure. Sm. 70° (B. 11, 2031). — I, 498.
- $C_{20}H_{40}O_2N_3$  C 70,6 — H 11,8 — O 9,4 — N 8,2 — M. G. 340.
- 1) sym. Nonyldekoxyharnstoff. Sm. 101° (B. 15, 761). — I, 1304.
  - 2) Dinonylamid d. Oxalsäure. Sm. 92° (B. 24, 3358). — I, 1366.
- $C_{20}H_{41}ON$  C 77,1 — H 13,2 — O 5,1 — N 4,5 — M. G. 311.
- 1) Palmitinimidooctyläther. HCl (Sm. 73°) (B. 26, 2841).
  - 2) Stearinimidooctyläther. HCl (Sm. 85° u. Zers.). — I, 1459.
  - 3) Amid d. Arachinsäure. Sm. 108° (A. 97, 262; J. pr. [2] 48, 330; M. 17, 545). — I, 1249.
- $C_{20}H_{41}O_2N$  C 73,4 — H 12,5 — O 9,8 — N 4,3 — M. G. 327.
- 1)  $\alpha$ -Amidoarachinsäure. Sm. 212—214° u. Zers. Na, Ca (M. 17, 539).
  - 2) isom. Amidoarachinsäure. Sm. 59° (B. 11, 2031). — I, 1205.
  - 3) Aethylester d. Heptadekylamidoameisensäure. Sm. 62° (B. 21, 2491). — I, 1255.
- $C_{20}H_{43}O_4N_3$  C 61,7 — H 11,0 — O 16,4 — N 10,8 — M. G. 389.
- 1) Triamidodracoalban (C. 1896 [2] 713).
- $C_{20}H_{44}O_2Si$  1) Kieselsäuretetraisoamylester. Sd. 322—325° (A. 57, 344). — I, 347.
- $C_{20}H_{44}O_2P_2$  1) Unterphosphorsäuretetraisoamylester (A. 232, 13). — I, 339.
- $C_{20}H_{44}NCl$  1) Tetraisoamylammoniumchlorid. 2 + PtCl<sub>4</sub> (J. 1867, 491). — I, 1135.
- $C_{20}H_{44}NJ$  1) Aethyltrihexylammoniumjodid (A. 101, 313; 102, 313). — I, 1136.
- 2) Tetraisoamylammoniumjodid (A. 79, 24; J. 1867, 491). — I, 1135.
- $C_{20}H_{44}N_4Br_4$  1) Hexaäthylentetraäthyltetraammoniumbromid (J. 1861, 521). — I, 1166.

- $C_{20}H_{14}JP$  1) Tetraisoamylphosphoniumjodid (*B.* 6, 299). — I, 1505.  
 $C_{20}H_{15}ON$  C 76,2 — H 14,3 — O 5,1 — N 4,4 — M. G. 315.  
     1) Tetraisoamylammoniumhydrat. Salze siehe (*A.* 79, 24; *J.* 1867, 491). — I, 1135.  
 $C_{20}H_{16}N_4Br_4$  1) Pentaäthylenpentaäthyltetrammoniumbromid (*J.* 1861, 521). — I, 1166.  
 $C_{20}H_{16}N_4J_4$  1) Pentaäthylenpentaäthyltetrammoniumjodid (*J.* 1861, 522). — I, 1166.

### $C_{20}$ -Gruppe mit vier Elementen.

- $C_{20}H_{16}O_2Cl_2Br_4$  1) Verbindung (aus Tetrabromfluorescein) (*A.* 183, 54). — II, 2064.  
 $C_{20}H_{16}O_2Cl_2Br_4$  1) Dichlortetrabromfluorescein.  $K_2$  (*A.* 238, 358). — II, 2064.  
 $C_{20}H_{16}O_2N_2Cl_7$  1) Trichlordinitrodinaphthalin. Sm. 104—106° (*A.* 160, 72).  
 $C_{20}H_{16}O_2NS$  1) Nitrosoderivat d. 2-Oxynaphthalin-7-Sulfonsäure.  $Na + 2H_2O$  (*B.* 20, 2908). — II, 890.  
 $C_{20}H_{16}O_2Cl_2Br_2$  1) Di[2,4-Dichlor-6-Bromphenylester] d. Benzol-1,2-Dicarbon-  
säure. Sm. 216—217° (*G.* 17, 501). — II, 1794.  
 $C_{20}H_{16}O_2Cl_2J_4$  1) Dichlortetradifluoresceinsäure.  $Na, K$  (*A.* 238, 359). — II, 2064.  
 $C_{20}H_{16}O_2N_2Br_2$  1) Dibromdinitrofluorescein (*A.* 183, 62). — II, 2065.  
 $C_{20}H_{16}O_2N_2NCl$  1) 1,4-Naphtochinonchlorimid. Sm. 85° (*B.* 13, 1910). — III, 371.  
 $C_{20}H_{16}O_2N_2Cl_2$  1)  $P$ -Dichlordinitro-2,2'-Dinaphthyläther. Sm. 76° (*B.* 26, 253). — II, 884.  
 $C_{20}H_{16}O_2N_2Br_2$  1)  $P$ -Dibrom- $P$ -Dinitro-2,2'-Dinaphthyläther. Sm. 87° (*B.* 26, 253). — II, 884.  
 $C_{20}H_{16}O_2N_2Br_2$  1)  $\alpha,2^2$ -Lakton d. 5',5'-Dibrom-3',3'-Dinitro- $\alpha,4',4^2$ -Trioxypyridinmethan-2'-Carbonsäure (Dibromdinitrophenoiphalein). Sm. 235—236° (*G.* 26 [1] 266).  
 $C_{20}H_{16}O_2N_2S_2$  1) Di[4,6-Dinitro-2-Naphthyl]disulfid. Sm. 272—276° u. Zers. — II, 888.  
 $C_{20}H_{16}O_2NS$  1) 1-[1,3-Diketo-2,3-Dihydroindenyl-2]- $\alpha$ -Naphthiazol (*B.* 21, 2630). — III, 278.  
 $C_{20}H_{16}O_2NBr_4$  1) 1-Keto-3,3-Di[ $P$ -Dibrom- $P$ -Oxyphenyl]-1,3-Dihydroisoindol (Tetrabromimidophenoiphalein). Sm. 310° u. Zers. (*G.* 24 [1] 77). — II, 1935.  
 $C_{20}H_{16}O_2NBr_4$  1) Tetrabromphenolphaleinoxim (*B.* 26, 2260). — II, 1986.  
 $C_{20}H_{16}N_2Cl_2Br_2$  1) 1-Chlor-4-Brom-2-[1-Chlor-4-Brom-2-Naphthyl]amidodiosonaphthalin. Sm. 205—210° (*Soc.* 67, 911). — IV, 1574.  
 $C_{20}H_{16}O_2N_2Br_4$  1) Tetrabromimidophenoiphalein. Sm. über 280° (*A.* 202, 114). — II, 1985.  
 $C_{20}H_{16}O_2Cl_2S$  1) Verbindung (aus Methylsulfonfluorescein) (*Am.* 17, 565). — III, 212.  
 $C_{20}H_{16}O_2N_2S$  1) Di[ $P$ -Nitro-1-Naphthyl]sulfid. Sm. 230—231° (*J. pr.* [2] 38, 143). — II, 868.  
 $C_{20}H_{16}O_2N_2S_2$  1) Di[4-Nitro-1-Naphthyl]disulfid. Sm. 186° (*B.* 23, 960). — II, 868.  
     2) Di[5-Nitro-1-Naphthyl]disulfid. Sm. 167° (*B.* 20, 1535). — II, 868.  
     3) Di[4-Nitro-2-Naphthyl]disulfid. Sm. 124° (*B.* 20, 1536). — II, 869.  
     4) Di[5-Nitro-2-Naphthyl]disulfid. Sm. 180° (*B.* 20, 1535). — II, 868.  
     5) Di[8-Nitro-2-Naphthyl]disulfid. Sm. 173° (*B.* 20, 1536). — II, 869.  
 $C_{20}H_{16}O_2N_2S$  1)  $P$ -Dinitro-1,1-Dinaphthylsulfoxid. Sm. 230—231° (*B.* 17, 2604). — II, 868.  
 $C_{20}H_{16}O_2N_2Cl_2$  1) 3,6-Dichlor-1,4-Benzochinondi[Amidobenzol-2-Carbonsäure]. Zers. bei 320° (*Bl.* [3] 15, 1028).  
 $C_{20}H_{16}O_2N_2S$  1) 3-[1-Naphthyl]azo-2-Oxy-1,4-Naphtochinon-3'-Sulfonsäure.  $Na$  (*B.* 30, 2129). — IV, 1481.  
 $C_{20}H_{16}O_2N_2Cl$  1) Chlortrinitrobenzol + Phenanthren. Sm. 88° (*B.* 8, 378). — II, 267.  
 $C_{20}H_{16}O_2N_2Br_2$  1) Dibromdinitroimidophenoiphalein (*A.* 202, 116). — II, 1985.  
 $C_{20}H_{16}O_2Cl_2S_4$  1) Di[1-Chlor-2-Naphthyl]disulfid-7,7'-Disulfonsäure.  $K_2 + \frac{1}{2}H_2O$  (*C.* 1895 [2] 121).  
 $C_{20}H_{16}O_2Br_2S$  1) Methylsulfondibromfluorescein +  $2H_2O$  (*Am.* 17, 566). — III, 212.  
 $C_{20}H_{16}ON_2Cl$  1) 5-Chlor-6-Oxy-2,3-Diphenyl-1,4-Benzodiazin (Luteol). Sm. 246° (*C.* 1895 [1] 854).  
 $C_{20}H_{16}ON_2Br_2$  1) 2-Phenylindol + 3,5-Dibrom-4-Oxydiazobenzol. Sm. 198° u. Zers. (*B.* 15, 2492). — IV, 414.

- $C_{20}H_{18}ON_2S$  1) 4-Thionylamido-1-[1-Naphthyl]azonaphtalin. Sm. 156—157° (B. 28, 2199). — IV. 1390.  
 $C_{20}H_{18}ON_2Br_3$  1) Tribromlderivat d. Verbindung  $C_{20}H_{18}ON_4$ . Sm. 227° (B. 28, 1186). — IV. 1225.  
 $C_{20}H_{18}O_2NS$  1) Phenylamid d. 9,10-Anthrachinon-2-Sulfonsäure. Sm. 193° (B. 13, 692). — III. 415.  
 $C_{20}H_{18}O_2N_2Cl$  1) 1-Chlor-2,4-Dinitrobenzol + Phenanthren. Sm. 44° (B. 11, 604). — II. 267.  
 $C_{20}H_{18}O_2Cl_2P$  1) Di[1-Chlor-2-Naphthylester]d. Phosphorsäure. Sm. 251° (B. 30, 2379).  
 $C_{20}H_{18}O_2NS$  1) 4-[4-Sulfo-1-Naphthyl]amido-2-Oxy-1-Ketonaphtalin (B. 27, 27).  
 $C_{20}H_{18}O_2NS$  1) Verbindung (aus Resorcin u. Phthalimid).  $Na + 7H_2O$  (M. 11, 425). — II. 1807.  
 $C_{20}H_{18}O_2NS_2$  1) Verbindung (aus 2-Oxynaphtalin-6-Sulfosäure) +  $H_2O$  (B. 30, 188). — IV. 1427.  
 $C_{20}H_{18}N_2Cl_2Br_3$  1) 2-Phenylindol + 2,4,6-Tribromdiazobenzol. Sm. 149—150°. HCl (B. 15, 2491). — IV. 414.  
 $C_{20}H_{18}ONBr$  1) Acetylamido- $\beta$ -Bromchrysén (B. 24, 952). — II. 643.  
 $C_{20}H_{18}ON_2Cl_2$  1)  $\beta$ -Phenylhydrazin- $\alpha$ -Keto- $\alpha\beta$ -Di[3-Chlorphenyl]ethan. Sm. 104 bis 105°. — IV. 785.  
 $C_{20}H_{18}ON_2S$  1) 4-Thionylamido-1-[1-Naphthyl]amidonaphtalin. Sm. 120° (B. 31, 2182).  
 $C_{20}H_{18}ON_2Cl_4$  1) Verbindung (aus Chloralbenzamid). Sm. 131° (J. 1879, 552). — II. 1194.  
 $C_{20}H_{18}O_2N_2S$  1) Phenylfluorovinylsulfon. Sm. oberh. 340° (B. 29, 787). — IV. 1293.  
 $C_{20}H_{18}O_2NBr$  1) Benzoat d. 2-Brom-4-Benzoylamido-1-Oxybenzol. Sm. 192° (B. 27, 1931). — II. 1177.  
 $C_{20}H_{18}O_2N_2Br_2$  1)  $\alpha$ , $2^2$ -Lakton d. 5', 5'-Dibrom-3', 3'-Diamido- $\alpha$ , 4', 4'-Trioxy-triphenylmethan-2'-Carbonsäure (Dibromdiamidophenolphthalein). 2HCl (G. 26 [1] 269).  
 $C_{20}H_{18}O_4N_2S$  1) 2-Oxy-1,1'-Azonaphtalin-4'-Sulfosäure. Ba (B. 11, 2199; 13, 268; Soc. 51, 197). — IV. 1438.  
 $C_{20}H_{18}O_2N_2S$  1) Verbindung +  $H_2O$  (aus 4-Amido-1-Oxynaphtalin-2-Sulfosäure) (B. 25, 429). — II. 875.  
 $C_{20}H_{18}O_2N_2Cl$  1) Stilben + 1-Chlor-2,4,6-Trinitrobenzol. Sm. 70—71° (B. 8, 378). — II. 248.  
 $C_{20}H_{18}O_2N_2S_2$  1) 1,1'-Azoxynaphtalin-4,4'-Disulfosäure?  $Na + 2H_2O$ ,  $K_2 + H_2O$ ,  $Ca + 2H_2O$ ,  $Ba + H_2O$ ,  $Pb + 2H_2O$  (Bl. 45, 184). — IV. 1341.  
2) 2-Oxy-1,1'-Azonaphtalin-2',7'-Disulfosäure.  $Ba + 7H_2O$ . — IV. 1439.  
 $C_{20}H_{18}ON_2S$  1)  $\alpha$ -Phenyl- $\beta$ -4-[ $\alpha$ -Cyan- $\beta$ -Furanyläthenyl]phenylthioharnstoff. Sm. 159—160° (B. 23, 2856). — III. 713.  
 $C_{20}H_{18}ON_2Cl$  1) 2-Chlorophenyl d. 4-Benzoyl-1-Phenyl-1,2,3,5-Tetrazol. Sm. 220—225° (B. 30, 2498). — IV. 1242.  
 $C_{20}H_{18}ON_2S$  1) 2-Phenylimido-5-Phenylnitrosamido-3-Phenyl-2,3-Dihydro-1,3,4-Thiodiazol. Zers. bei 110° (B. 26, 2873). — IV. 687.  
 $C_{20}H_{18}ON_2Cl_3$  1) Diazorossanilinchlorid. + 3AuCl<sub>3</sub> (Z. 1866, 511; A. 194, 279). — IV. 1552.  
 $C_{20}H_{18}O_2NS$  1) Phenylamid d. Anthracen-2-Sulfosäure. Sm. 201° (B. 28, 2259).  
2) 1-Naphthylamid d. Naphtalin-1-Sulfosäure. Sm. 82° (Bl. 27, 360). — II. 613.  
3) 1-Naphthylamid d. Naphtalin-2-Sulfosäure. Sm. 177,5° (Bl. 27, 360). — II. 613.  
 $C_{20}H_{18}O_2N_2Cl$  1) Benzoat d. 3'-Chlor-6-Oxy-3-Methylazobenzol. Sm. 90° (B. 25, 1330). — IV. 1420.  
2) Benzoat d. 4'-Chlor-6-Oxy-3-Methylazobenzol. Sm. 115° (B. 25, 1328). — IV. 1421.  
 $C_{20}H_{18}O_2N_2Br$  1) Benzoat d. 2-Brom-4'-Oxy-4-Methylazobenzol. Sm. 137—139° (B. 31, 1783). — IV. 1414.  
 $C_{20}H_{18}O_2N_2Cl$  1) III-2-Chlorformasylbenzol-II-3-Carbonsäure. Sm. 217° (B. 31, 1755).  
 $C_{20}H_{18}O_2N_2S$  1) 2-Phenylindol + Diazobenzol-4-Sulfosäure.  $Na + xH_2O$  (B. 15, 2495). — IV. 414.  
 $C_{20}H_{18}O_2NS$  1) Dibenzoylamid d. Benzolsulfosäure. Sm. 105° (J. 1856, 506 bis 506). — II. 1174.

- $C_{20}H_{16}O_4N_2Cl$  1) Diacetat d. 2-Chlor-4-Phenylazo-1,3-Dioxynaphthalin. Sm. 150° (A. 300, 195). — IV, 1450.
- $C_{20}H_{16}O_4N_2Cl_2$  1) Phenylid[2-Chlor-4-Nitrobenzyl]amin. Sm. 172° (B. 25, 88). — II, 521.
- $C_{20}H_{16}O_5NS$  1) 2-[1,2-Phtalyl]methyl-6,8-Dimethylchinolin-7-Sulfonsäure (o-p-Dimethylchinophthalon-7-Sulfosäure) (B. 28, 1512). — IV, 459.
- $C_{20}H_{16}O_6N_2S_2$  1) Farbstoff (aus 1-Amidonaphthalin-7-Sulfosäure) (B. 21, 3265). — IV, 1542.
- $C_{20}H_{16}ONCl$  1) Methyläther d. 4-Chlorphenylimido-4-Oxydiphenylmethan. Sm. 104° (B. 24, 3519). — III, 194.
- 2) Benzyläther d. anti- $\alpha$ -Oximido-4-Chlordiphenylmethan. Sm. 74 bis 75° (B. 23, 3613). — III, 189.
- 3) Benzyläther d. syn- $\alpha$ -Oximido-4-Chlordiphenylmethan. Sm. 98 bis 99° (B. 23, 3613). — III, 189.
- $C_{20}H_{16}ONBr$  1)  $\beta$ -[ $\beta$ -Bromphenyl]amido- $\alpha$ -Keto- $\alpha$ - $\beta$ -DiphenyläthanP (Bromdesyl-anilid). Sm. 167—168° (J. pr. [2] 34, 10). — III, 220.
- 2) Benzyläther d. syn- $\alpha$ -Oximido-3-Bromdiphenylmethan. Sm. 77° (A. 264, 173). — III, 190.
- 3) Benzyläther d. anti- $\alpha$ -Oximido-3-Bromdiphenylmethan. Sm. 73° (A. 264, 173). — III, 190.
- 4) Benzyläther d. anti- $\alpha$ -Oximido-4-Bromdiphenylmethan. Sm. 89 bis 90° (A. 264, 155). — III, 190.
- 5) Benzyläther d. syn- $\alpha$ -Oximido-4-Bromdiphenylmethan. Sm. 99 bis 100° (A. 264, 157). — III, 190.
- $C_{20}H_{16}ON_2Br_4$  1) Anhydrid d. 5,8-Dibromchinolinmethyloxyhydrat (B. 15, 191). — IV, 259.
- $C_{20}H_{16}ON_2S$  1) s-Cinnamoyl-1-Naphthylthioharnstoff. Sm. 203—204° (Soc. 67, 1048).
- $C_{20}H_{16}O_2N_2S$  1)  $\beta$ -Phenylhydrazid d. Anthracen-2-Sulfosäure. Sm. 210° (B. 28, 2260). — IV, 734.
- $C_{20}H_{16}O_3N_2S_2$  1) Di[Phenylamidoformiat] d. 1,3-Dimerkaptobenzol. Sm. 178—179° (Soc. 69, 100).
- 2) Di[Phenylamidoformiat] d. 1,4-Dimerkaptobenzol. Sm. 200—202° (Soc. 69, 101).
- $C_{20}H_{16}O_4N_2Cl$  1) 2-[3-Nitrobenzyliden]amido-1-[4-Chlorphenylimido]methylbenzol. Sm. 86° (J. pr. [2] 52, 383). — IV, 627.
- $C_{20}H_{16}O_5N_2Br$  1) 2-[4-Nitrobenzyliden]amido-1-[4-Bromphenylimido]methylbenzol. Sm. 144° (J. pr. [2] 52, 391). — IV, 638.
- $C_{20}H_{16}O_5N_2S$  1) 5-Phenylamido-2-[3-Nitrophenyl]-3-Phenyl-2,3-Dihydro-1,3,4-Thiodiazol. Fl. HCl (B. 30, 854). — IV, 686.
- $C_{20}H_{16}O_5NP$  1) Amid d. Di[2-Naphthyl]phosphorsäure. Sm. 215° (B. 30, 2378).
- $C_{20}H_{16}O_5N_2Cl_2$  1) Verbindung (aus 2,4,6-Trichlor-1-Oxybenzol u. 4-Nitroso-1-Dimethylamidobenzol). Sm. 90—91° (Bl. [3] 13, 1069).
- $C_{20}H_{16}O_5N_2Br_6$  1) Verbindung (aus 2,4,6-Tribrom-1-Oxybenzol u. 4-Nitroso-1-Dimethylamidobenzol). Sm. 89—90° (Bl. [3] 13, 1069).
- $C_{20}H_{16}O_5N_2J$  1) 2-[4-Methoxyldophenyl]d[4-[4-Nitrophenyl]-1-Phenyl-1,2,3,5-Tetraazol]. Sm. 166—168° (B. 31, 476). — IV, 1232.
- $C_{20}H_{16}O_4NBr$  1) 1,2-Laktон d.  $\beta$ -Brom-3,4-Dioxy-1-2-Naphylamido]oxymethylbenzol-3,4-Dimethyläther-2-Carbonsäure (Bromopiansäure- $\beta$ -Naphylamid). Sm. 213° (B. 29, 2032).
- $C_{20}H_{16}O_4N_2Br_2$  1) Isobutylbromisatoid. Sm. 210° (B. 15, 2097). — II, 1606.
- $C_{20}H_{16}O_4N_2Br_4$  1)  $\beta$ -Tetrabrom-4,4'-Di[Diacetyl amido]biphenyl. Sm. bei 306° (Soc. 65, 55). — IV, 964.
- $C_{20}H_{16}O_4N_2S$  1)  $\alpha\beta$ -Di[2-Naphylsulfon]hydrazin. Sm. 215° u. Zers. Na<sub>2</sub> (J. pr. [2] 58, 187).
- 2) Di[ $\beta$ -1,2-Phtalylamidoäthyl]sulfid. Sm. 128—129° (B. 24, 1112). — II, 1801.
- $C_{20}H_{16}O_4N_2S_2$  1) Di[ $\beta$ -1,2-Phtalylamidoäthyl]disulfid. Sm. 138—139° (B. 24, 1122). — II, 1802.
- $C_{20}H_{16}O_5N_2S$  1) Di[ $\beta$ -1,2-Phtalylamidoäthyl]sulfoxid. Sm. 191° (B. 24, 3100). — II, 1801.
- $C_{20}H_{16}O_6N_2Br_2$  1) Bis-Brom-m-Opindolon. Sm. noch nicht bei 325° (B. 31, 931).
- $C_{20}H_{16}O_6N_2S$  1) Di[ $\beta$ -1,2-Phtalylamidoäthyl]sulfon. Sm. 255—256° (B. 24, 3102). — II, 1802.

- $C_{20}H_{16}O_6N_2S_2$  1) **1,4-Di[Benzylidenamido]benzol-1<sup>a</sup>,4<sup>b</sup>-Disulfonsäure.**  $Na_2$  (*B. 24*, 793). — **IV**, 597.
- $C_{20}H_{16}O_6N_2Cl$  1) **N-2,4,6-Trinitrophenyldimethylsafraninchlorid** (*B. 31*, 1183). — **IV**, 1283.
- $C_{20}H_{16}O_6NCl$  1) **Chlorid d. Anhydroberberilsäure.**  $Sm.$  167° (*Soc. 57*, 1042). — **III**, 802.
- $C_{20}H_{16}O_6S_2P_2$  1) **Pyrophosphat d. 2-Oxynaphthalin-6-Sulfonsäure.**  $Ba_2$  (*B. 14*, 1482). — **II**, 890.
- $C_{20}H_{16}N_2Cl_2S_2$  1) **Di[Chlormethylat] d. Thiochinanthren.**  $Sm.$  284—285° u. Zers.  $2 + PtCl_4$  (*J. pr. [2]* 54, 343). — **IV**, 292.
- $C_{20}H_{16}N_2Cl_2Si$  1) **2-Dinaphthylamid d. Dichlorkieselsäure** (*Soc. 51*, 45). — **II**, 615.
- $C_{20}H_{16}N_2J_2S_2$  1) **Di[Jodmethylat] d. Thiochinanthren** (*J. pr. [2]* 54, 343). — **IV**, 292.
- $C_{20}H_{17}ON_2Cl$  1) **2-[2-Oxybenzylidenamido-1-[4-Chlorphenylamido]methylbenzol.**  $Sm.$  124° (*J. pr. [2]* 52, 383). — **IV**, 627.
- $C_{20}H_{17}ON_2Br$  1) **2-[2-Oxybenzylidenamido-1-[4-Bromphenylamido]methylbenzol.**  $Sm.$  143—144° (*J. pr. [2]* 52, 380). — **IV**, 638.
- $C_{20}H_{17}ON_2J$  1) **Jodmethanol d. 6-Oxy- $\beta$ -Bichinolymethyläther** (*B. 20*, 1926). — **IV**, 1071.
- $C_{20}H_{17}ON_2Br_2$  1) **Tetrabromrosanilin** (*A. 179*, 203). — **II**, 1091.
- $C_{20}H_{17}ON_2S$  1) **Triphenylthiobiuret.**  $Sm.$  234° (*A. 285*, 172, 189).
- 2)  **$\alpha$ -Phenyl-4-Benzoylphenylamidothioharnstoff.**  $Sm.$  203° u. Zers. (*Soc. 55*, 615). — **III**, 186.
- 3)  **$\beta$ -Benzoylphenylamido- $\alpha$ -Phenylthioharnstoff.**  $Sm.$  310° (*B. 20*, 1717). — **IV**, 687.
- $C_{20}H_{17}ON_2Cl$  1)  **$\alpha$ -Phenyl- $\beta$ -[4-Methylphenyl]azo- $\beta$ -[3-Chlorphenyl]harnstoff.**  $Sm.$  104° (*B. 25*, 1365). — **IV**, 1570.
- 2)  **$\alpha$ -Phenyl- $\beta$ -[4-Chlorphenyl]azo- $\beta$ -[4-Methylphenyl]harnstoff.**  $Sm.$  122° (*B. 25*, 1363). — **IV**, 1570.
- 3) **Methyläther d. 2-Chlor-2-[4-Oxyphenyl]-1,4-Diphenyl-2,2-Dihydro-1,2,3,5-Tetrazol** (*B. 29*, 1851).
- $C_{20}H_{17}ON_2Br$  1)  **$\alpha$ -4-Methylphenyl- $\beta$ -Phenylazo- $\beta$ -[4-Bromphenyl]harnstoff.**  $Sm.$  138° (*B. 21*, 2570). — **IV**, 1562.
- 2)  **$\alpha$ -Phenyl- $\beta$ -[4-Methylphenyl]azo- $\beta$ -[4-Bromphenyl]harnstoff.**  $Sm.$  124° (*B. 21*, 2568). — **IV**, 1571.
- $C_{20}H_{17}ON_2J$  1) **Methyläther d. 2-Jod-2-[4-Oxyphenyl]-1,4-Diphenyl-2,2-Dihydro-1,2,3,5-Tetrazol**.  $Sm.$  135—140° (*B. 29*, 1852). — **IV**, 1269.
- $C_{20}H_{17}ON_2Cl$  1)  **$\alpha$ -Benzoyl- $\alpha$ -[4-Chlorphenyl]- $\beta$ -[6-Oxy-3-Methylphenyl]hydrazin.**  $Sm.$  172° (*B. 25*, 1328). — **IV**, 1506.
- $C_{20}H_{17}ON_2NS$  1) **Phenylbenzoylamid d. 1-Methylbenzol-4-Sulfonsäure.**  $Sm.$  149° (*Am. 8*, 242). — **II**, 1175.
- 2) **Benzylbenzoylamid d. Benzolsulfonsäure.**  $Sm.$  70—71° (*C. 1897* [2] 848).
- 1) **Aethyläther d. 5-Chlor-3,6-Di[Phenylamido]-2-Oxy-1,4-Benzochinon.**  $Sm.$  232—233° (*J. pr. [2]* 43, 261). — **III**, 348.
- 2) **Aethylester d. 4-Chlor-1,2,7-Trimethylphenasinfuran-3-Carbonsäure.**  $Sm.$  162° (*A. 283*, 264). — **III**, 732.
- $C_{20}H_{17}ON_2S_2$  1)  **$\alpha$ -Phenylsulfon- $\beta$ -[ $\alpha$ -Benzoylamidobenzyliden]hydrazin** (*A. 296*, 290).
- $C_{20}H_{17}ON_2NBr$  1) **Hydrastphthalimidindibromid.**  $Sm.$  158° (*B. 23*, 2915). — **II**, 2054.
- $C_{20}H_{17}ON_2ClBr$  1) **Chlorbenzylat d. 5-Brom-1-Benzyl-1,2,3-Benztriazol.**  $2 + PtCl_4$  (*A. 249*, 368). — **IV**, 1144.
- $C_{20}H_{18}ON_2Cl$  1) **7-Chloräthylat d. 9-Acetylamoido- $\alpha$ -Naphthophenazin** (*C. 1898* [2] 920). — **IV**, 1201.
- $C_{20}H_{18}ON_2S$  1)  **$\alpha$ -Phenylsulfonimido- $\alpha$ -[4-Methylphenyl]amido- $\alpha$ -Phenylmethan.**  $Sm.$  145—146° (*A. 214*, 216). — **IV**, 847.
- $C_{20}H_{18}ON_2S_2$  1) **4,4'-Di[5-Keto-3-Methyl-1-Phenyl-4,5-Dihydropyrazolyl]sulfid.** Zers. bei 183°.  $HCl + C_2H_5O$ , Acetat (*B. 23*, 850, 2477; *Soc. 59*, 332, 334). — **IV**, 514.
- $C_{20}H_{18}ON_2S$  1) **Methylphenylpyrazolondisulfid** (*Soc. 59*, 337, 338). — **IV**, 691.
- $C_{20}H_{18}ON_2ClP$  1) **Triphenylchlorphosphidoessigsäure.**  $2 + PtCl_4$  (*E. 27*, 275).
- $C_{20}H_{18}ON_2Br_2$  1) **P-Dibrom-4,4'-Di[ $\beta$ -Ketobutyrylamido]biphenyl.** Zers. bei 250° (*M. 19*, 696).
- $C_{20}H_{18}ON_2Br_4$  1) **Diäthylester d.  $\alpha$ - $\gamma$ -Di( $\beta$ -Tribromphenylamido)bernsteinsäure.**  $Sm.$  103—104° (*B. 21*, 1800). — **II**, 438.

- $C_{20}H_{18}O_4N_2S$  1) Benzolsulfonat d.  $\alpha$ -Oxy- $\beta$ -Phenyl- $\alpha$ -Benzylharnstoff. Sm. 120° u. Zers. (J. pr. [2] 56, 80).  
 2) 4'-Benzolsulfonat d. 2,4'-Dioxybenzol-2-Aethyläther. Sm. 84° (B. 31, 2118; C. 1897 [2] 549). — IV, 1407.  
 3) 4'-Benzolsulfonat d. 3,4'-Dioxybenzol-3-Aethyläther. Sm. 77° (B. 31, 2119). — IV, 1407.  
 4) 4'-Benzolsulfonat d. 4,4'-Dioxyazobenzol-4-Aethyläther. Sm. 105° (B. 31, 2120; C. 1897 [2] 549). — IV, 1406.  
 5) 4-Methylphenyl-2-Nitrobenzylamid d. Benzolsulfonsäure. Sm. 124° (J. pr. [2] 51, 208).
- $C_{20}H_{18}O_4N_2S_2$  1) 1,4-Di[Phenylsulfon]-1,2,3,4-Tetrahydro-1,4-Benzodiazin (Benzolsulfonäthylen-o-Phenyldiamin). Sm. 180° (A. 287, 225). — IV, 561  
 2) Verbindung (aus 1,3 Diphenylsulfonamidobenzol). Sm. 190—195° (A. 287, 229). — IV, 577.
- $C_{20}H_{18}O_4N_3J$  1) Jodmethyлат d. 3,5-Di[4-Nitrobenzyl]pyridin. Sm. 190—193° (A. 280, 56). — IV, 456.
- $C_{20}H_{18}O_4Cl_2P_2$  1) 1,2-Phenylenester d. 4-Methylphenylphosphinsäuremonochlorid. Sd. oherh. 360° (A. 293, 265). — IV, 1669.
- $C_{20}H_{18}O_6N_2Br_2$  1) Dihydrobisch-Brom-m-Oindolon. Sm. noch nicht bei 325° (B. 31, 932).
- $C_{20}H_{18}O_6N_2S_2$  1) 4,4'-Bi[5-Keto-3-Methyl-1-Phenyl-4,5-Dihydropyrazol-1'-Sulfon-säure] (B. 25, 1950). — IV, 737.
- $C_{20}H_{18}O_3N_3S_2$  1) Verbindung (aus 2,4-Dinitro-1-Oxynaphthalin-7-Sulfonsäure) (B. 14, 2030). — II, 874.
- $C_{20}H_{19}ON_4Cl$  1) 7-Chloräthylat d. 5-Amido-10-Acetylamilido- $\alpha$ -Naphthophenazin (C. 1898 [2] 920). — IV, 1296.
- $C_{20}H_{19}O_2NS$  1) Dibenzylamid d. Benzolsulfonsäure. Sm. 68° (A. 273, 22). — II, 531.
- $C_{20}H_{19}O_2N_2S$  1) Verbindung (aus Thioulamidobenzol u. Methylanilidobenzol) (A. 274, 211). — II, 355.
- $C_{20}H_{19}O_3NBr_2$  1) Cuparindibromid. Sm. 236° (B. 29 [2] 36). — III, 777.
- $C_{20}H_{19}O_3NS_2$  1)  $\alpha$ -[4-Methylphenyl]sulfon- $\gamma$ -[2-Naphtyl]sulfon- $\beta$ -Oximidopropan. Sm. 158° (J. pr. [2] 55, 409).
- $C_{20}H_{19}O_7N_2P$  1)  $\beta$ -Nitrophenylamidodi[ $\beta$ -Nitro-4-Methylphenylamid] d. Phosphorsäure. Sm. 220° (B. 27, 2576).
- $C_{20}H_{19}N_2ClS$  1) Verbindung (aus uns-Diphenylthioharnstoff u. Benzylchlorid). Sm. 182—183° (B. 26 [2] 607). — II, 396.
- $C_{20}H_{20}ONP$  1) 4-Dimethylamidotriphenylphosphinoxyd. Sm. 183,5° (A. 260, 30). — IV, 1660.
- $C_{20}H_{20}ON_2S$  1)  $\alpha$ -Phenyl- $\beta$ -[ $\gamma$ -Furyl- $\beta$ -Phenylpropyl]thioharnstoff. Sm. 113° (B. 23, 2851). — III, 694.
- $C_{20}H_{20}OClP$  1)  $\beta$ -Oxyäthyltriphenylphosphoniumchlorid. Sm. 129—130°. 2 + PtCl<sub>4</sub> (B. 27, 275). — IV, 1661.
- $C_{20}H_{20}OBrP$  1)  $\beta$ -Oxyäthyltriphenylphosphoniumbromid. Sm. 114° (B. 27, 276). — IV, 1661.
- $C_{20}H_{20}OJP$  1)  $\beta$ -Oxyäthyltriphenylphosphoniumjodid. Sm. 185—186° (B. 27, 276). — IV, 1661.
- $C_{20}H_{20}O_3NP$  1) 4-Methylphenylmonamidd. 4-Methylphenylphosphinsäuremonophenylester. Sm. 48°; Sd. 280° (A. 293, 269). — IV, 1669.
- $C_{20}H_{20}O_2N_2Cl$  1) Chlorid d. 2,2'-Diisopropylasobenzol-5,5'-Dicarbonsäure. Sm. 135° (Bl. [3] 3, 206). — IV, 1466.
- $C_{20}H_{20}O_2N_2S$  1) 1,1'-Disulfid d. Di-3,4,6-Trimethylbenzoxazol. Sm. 150—151° (B. 22, 3238). — II, 764.  
 2) 4-Methylphenyl-2-Amidobenzylamid d. Benzolsulfonsäure. Sm. 132° (J. pr. [2] 51, 269). — IV, 627.
- $C_{20}H_{20}O_2NJ$  1) Jodmethyлат d. Cuparidin. Sm. 149° (B. 25 [2] 201). — III, 778.
- $C_{20}H_{20}O_2NP$  1) Phenylamid d. Phosphorsäuredi[4-Methylphenylester]. Sm. 133° (B. 27, 2573).
- $C_{20}H_{20}O_3N_2S$  1) Aethyläther d. 3,4-Di[Phenylsulfonamido]-1-Oxybenzol. Sm. 159—160°. — II, 723.  
 2) Sulfat einer Base (aus Methylacetanilid) (Bl. [3] 11, 1032).
- $C_{20}H_{20}O_4NBr$  1) Brompapaverin. Sm. 144—145°. HBr (A. 94, 239; M. 6, 673). — IV, 440.
- $C_{20}H_{20}O_4N_2S_2$  1) 1,2-Di[Phenylsulfonamidomethyl]benzol. Sm. 127° (B. 26, 2213). — IV, 642.

- $C_{20}H_{20}O_4N_2S_2$  2) **2,5-Diphenylsulfon-4-Amido-1-Dimethylamidobenzol.** Sm. 223° (B. 27, 3260; 29, 2028).
- $C_{20}H_{20}O_6N_2S_2$  1) **Dibenzoylcystin.** Sm. 180—181°. Ba + 5H<sub>2</sub>O, Ag<sub>2</sub> (H. 12, 254; 16, 572). — II, 1192.
- 2) **Di[ $\gamma$ -Benzoylamidoäthylsulfid]-2,2'-Dicarbonsäure** (Diäthyldisulfiddiphtalamidsäure). Sm. 128—130° (B. 24, 2131). — II, 1796.
- $C_{20}H_{20}O_6N_2Se_2$  1) **Di[ $\beta$ -Benzoylamidoäthylselenid]-2,2'-Dicarbonsäure** (Diäthyl- $\beta$ -Diseleniddiphtalamidsäure). Sm. 118—119° (B. 24, 2134). — II, 1796.
- $C_{20}H_{20}O_6N_2S_2$  1) **Di[ $\beta$ -Benzoylamidoäthylsulfon]-2,2'-Dicarbonsäure** (Aethylsulfondiphtalamidsäure). Ag<sub>2</sub> (B. 24, 3103). — II, 1796.
- $C_{20}H_{20}O_4N_2S_2$  1) **Alloxanbenzidindisulfid + H<sub>2</sub>O** (A. 248, 149). — IV, 961.
- $C_{20}H_{20}NSP$  1) **4-Dimethylamidotriphenylphosphinsulfid.** Sm. 183° (A. 260, 30). — IV, 1660.
- $C_{20}H_{20}O_4N_2Br$  1) **Verbindung** (aus Bismethylphenylpyrazolon). Sm. 217° u. Zers. (B. 20, 2750). — IV, 1263.
- $C_{20}H_{20}ON_2Br_2$  1) **Chinendibromid.** 2HBr + 2H<sub>2</sub>O (B. 20, 2516). — III, 817.
- $C_{20}H_{20}ON_2F$  1) **Phenylamidi[2-Methylphenylamid] d. Phosphorsäure.** Sm. 201° (B. 27, 2576).
- 2) **Phenylamidi[4-Methylphenylamid] d. Phosphorsäure.** Sm. 168° (B. 27, 2575).
- $C_{20}H_{20}ON_2S$  1) **2-[2,4-Dimethylphenylacetylamo]-5-[2,4-Dimethylphenylamido]-1,3,4-Thiodiazol** (B. 23, 369). — IV, 1237.
- $C_{20}H_{20}O_2N_2Cl_2$  1)  $\alpha\beta$ -Di[Chloracetyl-2-Methylphenylamido]äthan. Sm. 211—212° (B. 23, 2032). — II, 461.
- $C_{20}H_{20}O_2N_2Br_2$  1)  $\alpha\beta$ -Di[Phenyl- $\alpha$ -Brompropionylamido]äthan. Sm. 184° (B. 25, 3255). — II, 370.
- 2)  $\alpha\beta$ -Di[Bromacetyl-2-Methylphenylamido]äthan. Sm. 205° (B. 25, 3255). — II, 461.
- 3)  $\alpha\beta$ -Di[Bromacetyl-4-Methylphenylamido]äthan. Sm. 196° (B. 25, 321). — II, 491.
- $C_{20}H_{20}O_2N_2S_2$  1)  $\alpha\alpha$ -Succinylid- $\beta$ -2-Methylphenylthioharnstoff]. Sm. 217—218° (Soc. 67, 569).
- 2)  $\alpha\alpha$ -Succinylid[ $\beta$ -Methyl- $\beta$ -Phenylpseudothioharnstoff]. Sm. 138 bis 139° (Soc. 67, 570).
- $C_{20}H_{20}O_2Br_2S$  1) **Dimethyläther d. Di[3,6-Dibrom-4-Oxy-2,5-Dimethylbenzyl]-sulfid.** Sm. 169° (B. 29, 2347).
- $C_{20}H_{20}O_5NJ$  1) **Jodmethylat d. Gallipidin.** Sm. 142° (B. 25 [2] 201). — III, 778.
- $C_{20}H_{20}O_4NJ$  1) **Jodmethylat d. Bulboeapin.** Sm. 257° (235—240°) (A. 277, 14; C. 1896 [2] 793). — III, 877.
- $C_{20}H_{20}O_4N_2Br_2$  1) **Di[4-Aethoxyphenylamid] d.  $\alpha\beta$ -Dibrombernsteinsäure.** Sm. 199° (G. 28 [2] 196).
- $C_{20}H_{20}O_6N_2Br_2$  1) **Dibromdiacytanharidinphenylhydrazonehydrat.** Sm. 194° (B. 26, 140). — III, 624.
- $C_{20}H_{20}O_6N_2Hg_2$  1) **Diacetat d. Diquecksilberdi[4-Acetylaminodophenoxyloxydhydrat].** Sm. 218—220° (G. 24 [2] 449). — IV, 1708.
- $C_{20}H_{20}O_6Cl_2S_2$  1)  $\beta\beta$ -Dichlor- $\alpha\alpha$ -Di[1,2,4-Trimethylphenyl]äthen-P-Disulfonsäure. Mg + 6H<sub>2</sub>O, Ba + 4 $\frac{1}{2}$ H<sub>2</sub>O (J. pr. [2] 47, 49). — II, 255.
- $C_{20}H_{20}ON_2Cl$  1) **Chininchlorid + 2H<sub>2</sub>O.** Sm. 151° (B. 17, 1988). — III, 817.
- 2) **Cochinchinchlorid.** Sm. 131—132° (B. 18, 1229). — III, 825.
- $C_{20}H_{20}O_3N_2Br_4$  1) **Aethylid[3,6-Dibrom-4-Oxy-2,5-Dimethylbenzyl]amin.** Sm. 165,5°. HBr (B. 29, 1114).
- $C_{20}H_{20}O_3N_2S$  1) **5-Phenylazo-3-Methyl-1,2,3,4,7,8,9,10-Oktahydro- $\beta$ -Naphthochinolin-5-Sulfonsäure** (B. 24, 2667). — IV, 1485.
- $C_{20}H_{20}O_4N_2Br_2$  1) **Verbindung** (aus d. Methyläther d.  $\alpha\beta$ -Dibromäthyl 3 Brom-4-Oxyphenylketon) (B. 29, 350). — III, 142.
- $C_{20}H_{20}O_4N_2Cl$  1) **Aethylester d. 2-Chlor-1,2-Di[4-Aethoxyphenyl]-2,2-Dihydro-1,2,3,5-Tetrazol-4-Carbonsäure.** Sm. 187° (B. 28, 1694). — IV, 1241.
- $C_{20}H_{20}O_9N_2Br_2$  1) **Chinindibromid.** + C<sub>6</sub>H<sub>6</sub>, 2HBr + 2H<sub>2</sub>O (B. 25, 1550). — III, 816.
- $C_{20}H_{20}O_2N_2S_2$  1) **Di[ $\gamma$ -Benzoylamidopropyl]disulfid.** Sm. 122° (B. 27, 2172). — II, 1161.
- 2) **Di[2-Propionylamidobenzyl]disulfid.** Sm. 190—191° (B. 30, 1146).
- $C_{20}H_{24}O_3N_2Br$  1) **Aethobromcodein** (B. 15, 1484). — III, 904.

- C<sub>20</sub>H<sub>24</sub>O<sub>3</sub>NJ**
- 1) Jodmethylat d. Oxyacanthin + 2H<sub>2</sub>O. Sm. 248–250° (B. 28 [2] 614).
  - 2) Jodmethylat d. Methylthebenin. Sm. 210° (206–208°) (B. 27, 2961; 30, 1378).
  - 3) Jodmethylat d. Thebaïn (B. 17, 532). — III, 909.
- C<sub>20</sub>H<sub>24</sub>O<sub>4</sub>N<sub>2</sub>S**
- 1) Thio[4 - Methylphenyl]urethan. Sm. 113° (B. 20, 668). — II, 821.
- C<sub>20</sub>H<sub>24</sub>O<sub>4</sub>N<sub>2</sub>S<sub>2</sub>**
- 1) Disulfid d.  $\beta$ -Merkapto- $\alpha\gamma$ -Diketo- $\alpha$ -Phenylbutan + 2 Molec. Ammoniak (Bl. [3] 19, 836).
- C<sub>20</sub>H<sub>24</sub>O<sub>5</sub>N<sub>2</sub>S**
- 1) Chininsulfonsäure + H<sub>2</sub>O. Sm. 209° u. Zers. (wasserfrei). (2HCl, PtCl<sub>4</sub> + 8H<sub>2</sub>O) (A. 267, 141). — III, 816.
  - 2) Isochininsulfonsäure. (HCl, AuCl<sub>4</sub>) (A. 267, 140). — III, 816.
- C<sub>20</sub>H<sub>25</sub>ON<sub>2</sub>Cl**
- 1) Chlormethylat d. Cinchonin. (HCl, PtCl<sub>4</sub> + H<sub>2</sub>O) (A. 90, 219). — III, 832.
  - 2) Chlormethylat d. Cinchonicin. Sm. 159° (Bl. [3] 13, 1007). — III, 845.
  - 3) Chlormethylat d. Cinchonidin + H<sub>2</sub>O. Sm. 158° (B. 13, 2192). — III, 851.
  - 4) Chlormethylat d. Cinchonifin + 2H<sub>2</sub>O (B. 27 [2] 257).
- C<sub>20</sub>H<sub>25</sub>ON<sub>2</sub>Br**
- 1)  $\alpha$ -[2-Methylphenyl]amido- $\beta$ - $\alpha$ -Bromisobutyryl-2-Methylphenyl]-amidoäthan. Sm. 135–137° (B. 25, 3260). — II, 463.
  - 2) Brommethylat d. Cinchonin + H<sub>2</sub>O. Sm. 269° (A. 90, 219; B. 13, 2292). — III, 832.
  - 3) Brommethylat d. Cinchonifin + 3H<sub>2</sub>O. Sm. 225° u. Zers. (B. 27, [2] 257).
- C<sub>20</sub>H<sub>25</sub>ON<sub>2</sub>J**
- 1) Jodmethylat d. Cinchonin. Sm. 254° u. Zers. (A. 90, 219; B. 13, 2292). — III, 832.
  - 2) Jodmethylat d.  $\beta$ -Isocinchonin. Sm. 253° (J. 1888, 2287). — III, 847.
  - 3) Jodmethylat d. Cinchonibin. Sm. bei 252° (J. 1888, 2288). — III, 848.
  - 4) Jodmethylat d. Cinchonicin (Bl. [3] 13, 1007). — III, 845.
  - 5) Jodmethylat d. Cinchonidin. Sm. 248° u. Zers. (A. 90, 221; B. 13, 2192). — III, 851.
  - 6) Jodmethylat d. Cinchonifin + 2H<sub>2</sub>O. Sm. 251° u. Zers. (wasserfrei) (B. 27 [2] 257).
  - 7) Jodmethylat d. Cinchonilin. Sm. bei 235° (J. 1888, 2287). — III, 848.
- C<sub>20</sub>H<sub>25</sub>ON<sub>2</sub>J<sub>2</sub>**
- 1) Dijodid d. Cinchoninjodmethylat. Sm. 161–162° (J. pr. [2] 3, 151). — III, 832.
- C<sub>20</sub>H<sub>25</sub>O<sub>2</sub>N<sub>2</sub>Cl**
- 1) Hydrochlorochinin. Sm. 186–187° (B. 20, 2517). — III, 816.
  - 2) Chlormethylat d. Cuprein. +(HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (A. 230, 67). — III, 822.
- C<sub>20</sub>H<sub>25</sub>O<sub>2</sub>N<sub>2</sub>Br**
- 1) Hydrobromochinin. 2HBr (B. 20, 2518). — III, 816.
- C<sub>20</sub>H<sub>25</sub>O<sub>2</sub>N<sub>2</sub>J**
- 1) Hydrodiodochinin. Sm. 155–160°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), 2HJ (M. 12, 328, 679; 13, 437). — III, 816.
  - 2) Hydrojodeochinin. Sm. 205–206°. 2HCl + 5H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O), HNO<sub>3</sub>, 2HNO<sub>2</sub>, H<sub>2</sub>SO<sub>4</sub> + 3H<sub>2</sub>O (M. 13, 433). — III, 825.
  - 3) Jodmethylat d.  $\alpha$ -Oxycinchonin. Sm. 241–242° (J. 1889, 2019). — III, 840.
  - 4) Jodmethylat d. Cuprein (A. 230, 66). — III, 822.
- C<sub>20</sub>H<sub>25</sub>ON<sub>2</sub>J**
- 1) Tetraäthylamidodiphenoxaziniumjodid (A. 289, 122). — IV, 117S.
- C<sub>20</sub>H<sub>25</sub>O<sub>2</sub>N<sub>2</sub>J<sub>2</sub>**
- 1) Dihydrojodeochinin. Sm. 218–220°. HCl, HJ, Oxalat (M. 12, 669). — III, 824.
- C<sub>20</sub>H<sub>26</sub>O<sub>3</sub>NCl**
- 1) Chlormethylat d.  $\alpha$ -Methylmorphimethin. (2 + PtCl<sub>4</sub> + 8H<sub>2</sub>O) (A. 222, 225). — III, 904.
  - 2) Chlormethylat d.  $\beta$ -Methylmorphimethin +  $\frac{1}{2}$ H<sub>2</sub>O. (2 + PtCl<sub>4</sub> + H<sub>2</sub>O) (A. 222, 227). — III, 904.
- C<sub>20</sub>H<sub>26</sub>O<sub>3</sub>NJ**
- 1) Jodmethylat d.  $\alpha$ -Methylmorphimethin +  $\frac{1}{2}$ H<sub>2</sub>O. Sm. 245° (A. 222, 224; B. 27, 1146). — III, 904.
  - 2) Jodmethylat d.  $\beta$ -Methylmorphimethin. Sm. 297° (A. 222, 227; B. 27, 1146). — III, 904.
  - 3) Jodmethylat d. Morphinäthyläther (A. ch. [5] 27, 278). — III, 905.

- $C_{20}H_{26}O_5NJ$  1) Jodmethylat d. Dihydrothebaïn. Sm. 155—160°. + 3H<sub>2</sub>O (Sm. 75—80°, + CH<sub>4</sub>O (B. 32, 193).  
 2) Jodmethylat d. Isodihydrothebaïn. Sm. 210—215° (B. 32, 195).  
 3) Jodäthylat d. Codein (A. 88, 340). — III, 904.  
 1) Chlorid d. Di[3-Methyl-6-Isopropylphenyl]phosphorsäure. Sd. 330—340°<sub>300</sub> (G. 15, 280). — II, 770.
- $C_{20}H_{26}O_4NBr$  1) Bromcodeinäthyloxydhydrat (B. 15, 1484). — III, 904.  
 $C_{20}H_{26}O_4N_2S_2$  1) Di-p-Toluolsulfobistrimethylendiimid. Sm. 215° (B. 31, 3265).  
 $C_{20}H_{26}O_5N_2S$  1) Hydrochinininsulfosäure + 5H<sub>2</sub>O (A. 243, 150). — III, 825.  
 2) Hydrochininsulfosäure + 5H<sub>2</sub>O. Sm. 239° (wasserfrei). (2HCl, PtCl<sub>4</sub> + 8H<sub>2</sub>O) (A. 241, 283). — III, 860.
- $C_{20}H_{26}N_2ClS$  1) Tetraäthylthioninchlorid. 2 + ZnCl<sub>2</sub> + 2H<sub>2</sub>O (B. 22, 2067; A. 251, 89). — II, 811.
- $C_{20}H_{27}ON_2Cl$  1) Chlormethyld. Cinchonamin. 2 + PtCl<sub>4</sub> (A. 225, 229). — III, 928.
- $C_{20}H_{27}ON_2J$  1) Jodmethylat d. Cinchonamin + H<sub>2</sub>O. Sm. 208—209° (A. 225, 228; A. ch. [6] 10, 113). — III, 928.
- $C_{20}H_{27}O_2NBr_2$  2) Jodmethylat d. Cinchotin (B. 14, 1266). — III, 858.
- $C_{20}H_{28}ON_2Hg$  1) Methylalkoholat d. Verb.  $C_{19}H_{25}ONBr_2$  (aus Dibrompseudoecumenolbromid). Sm. 191—192° (B. 28, 1127).
- $C_{20}H_{28}ON_2Hg$  1) Oxyd d. Quecksilber-4-Diäthylamidophenylhydrat. Sm. 220° (G. 24 [2] 467). — IV, 1705.
- $C_{20}H_{28}O_4NJ$  1) Jodmethylat d. Corytuberin (Soc. 63, 485). — III, 877.
- $C_{20}H_{29}ONCl$  1) Verbindung (aus d. Kohlenw.  $C_{19}H_{25}$  aus Campher). Sm. 150° u. Zers. (B. 27, 2350).
- $C_{20}H_{29}O_3N_2Hg_2$  1) p-Diquecksilberdiäthylamin. Sm. 200° u. Zers. Salze siehe (G. 23, [2] 534; 28 [2] 451). — IV, 1707.
- $C_{20}H_{29}O_4N_2Cl$  1) Pinolbisnitrosochlorid. Sm. 116—120° (103°) (A. 253, 261; 306, 278). — III, 508.  
 2) 1-Bisnitroso-4-Chlortetrahydro-i-Carvon. Sm. 142° (B. 28, 1595). — III, 505.
- $C_{20}H_{29}O_4N_2Br_2$  1) 1-Bisnitroso-4-Bromtetrahydro-i-Carvon. Sm. 131° u. Zers. (B. 28, 1594). — III, 505.
- $C_{20}H_{30}ON_6Cl$  1) Verbindung (aus Acetylchlorid u. Kyanäthin). Sm. 142° (J. pr. [2] 53, 249). — IV, 1132.
- $C_{20}H_{34}N_2JP$  1) Propyl-4-Methylphenyldi[1-Piperidyl]phosphoniumjodid. Sm. 197° (B. 31, 1046). — IV, 1682.
- $C_{20}H_{44}O_4JP$  1) Tetrahydroxysamylidenphosphoniumjodid. Sm. 119° (A. ch. [6] 2, 33). — I, 952.

### $C_{20}$ -Gruppe mit fünf Elementen.

- $C_{20}H_{10}O_4N_2Cl_2S_2$  1) Di[7-Chlor-8-Nitro-1-Naphthyl]disulfid. Sm. 244°. — II, 869.  
 2) Di[5-Chlor-8-Nitro-2-Naphthyl]disulfid. Sm. 141°. — II, 888.  
 3) Di[7-Chlor-8-Nitro-2-Naphthyl]disulfid. Sm. 217° (B. 25, 2486). — II, 888.
- $C_{20}H_{16}O_2NSP$  1) Monamid d. Thiophosphorsäuredi-2-Naphtylester. Sm. 215° (B. 31, 1110).
- $C_{20}H_{17}O_2N_2Br_2J$  1) Verbindung (aus 5-Brom-8-Oxychinolinjodmethylyat). Sm. 182° (J. pr. [2] 54, 10). — IV, 280.
- $C_{20}H_{19}O_2N_2Br_2P$  1) Di[2-Brom-4-Methylphenylamid] d. Phenylphosphorsäure. Sm. 221° (B. 29, 726).
- $C_{20}H_{20}O_2NSP$  1) Phenylimonamid d. Thiophosphorsäuredi-4-Methylphenylester. Sm. 106° (B. 31, 1108).
- $C_{20}H_{21}ON_5ClP$  1) Di[2-Methylphenylamid]-4-Chlorphenylamid d. Phosphorsäure. Sm. 150° (B. 28, 620).
- $C_{20}H_{25}O_4NBrJ$  1) Jodmethylat d. Monacetyl brommorphin. Sm. 215—220° (A. 297, 217).
- $C_{20}H_{25}O_3NBrJ$  1) Jodäthylat d. Bromcodein (B. 15, 1484). — III, 904.
- $C_{20}H_{26}ONBr_2J$  1) Jodmethylat d. Verb.  $C_{19}H_{25}ONBr_2$  (aus Dibrompseudoecumenolbromid). Sm. 177—178° (B. 28, 1127).

**C<sub>21</sub>-Gruppe mit einem Element.**

- C<sub>21</sub>H<sub>14</sub>** C 94,7 — H 5,3 — M. G. 266.  
 1) **2,2'-Binaphthylmethan** (Piclylmethan). Sm. 306° (A. **284**, 70).  
**C<sub>21</sub>H<sub>16</sub>** C 94,0 — H 6,0 — M. G. 268.  
 1) *α*-Dinaphthylmethan. Sm. 109°; Sd. oberh. 360° (Pikrat Sm. 142—143°) (B. 7, 1605). — **II**, 296.  
 2) *β*-Dinaphthylmethan. Sm. 92° (**B**. **13**, 1728). — **II**, 296.  
 3) isom. **Dinaphtylmethan**. Sm. 137° (*J. pr.* [2] **41**, 53). — **II**, 296.  
 4) **Methylphenanthracen**. Sm. 119° (**B**. **16**, 2367). — **II**, 297.  
 5) *γ*-**Benzylanthracen**. Sm. 119° (**B**. **23**, 1570). — **II**, 297.  
 6) **Benzylphenanthren**. Sm. 155—156° (M. **2**, 445). — **II**, 297.  
 7) **Phthalacen**. Sm. 173° (**B**. **17**, 1390). — **II**, 297.  
**C<sub>21</sub>H<sub>18</sub>** C 93,3 — H 6,7 — M. G. 270.  
 1) **9-Benzyl-8,10-Dihydroanthracen**. Sm. 110—111° (**B**. **23**, 2530). — **II**, 294.  
 2) **Kohlenwasserstoff** (aus d. Keton C<sub>21</sub>H<sub>16</sub>O). Sm. 86—92°; Sd. 270°<sub>30</sub> (*Soc.* 57, 687). — **II**, 294.  
**C<sub>21</sub>H<sub>20</sub>** C 92,7 — H 7,3 — M. G. 272.  
 1) *α,β*-**Triphenylpropan**. Fest. Sd. 365° (**B**. **29**, 2839).  
 2) *α,β*-**Triphenylpropan**. Sd. über 340° u. Zers. (**B**. **18**, 2935; C. **1898** [2] 284). — **II**, 290.  
 3) **3,4-Dimethyltriphenylmethan**. Sm. 61,5°; Sd. über 360° (**B**. **19**, 3061). — **II**, 290.  
 4) **2,5-Dimethyltriphenylmethan**. Sm. 92° (**B**. **16**, 2360). — **II**, 290.  
 5) **3,4-Dimethyltriphenylmethan**. Sm. 68,5°; Sd. über 360° (**B**. **19**, 3070). — **II**, 290.  
 6) **4,4'-Dimethyltriphenylmethan**. Sm. 55—56° (52°) (**B**. **11**, 70; *Bl.* [3] 17, 974). — **II**, 290.  
 7) **P-Dimethyltriphenylmethan**. Fl. Sd. 300—360° (A. **242**, 332). — **II**, 290.  
 8) **P-Dibenzyl-1-Methylbenzol**. Sd. 302—396° (**B**. **7**, 1154). — **II**, 289.  
 9) **Kohlenwasserstoff** (aus Benzylchlorid) (*Bl.* **46**, 248). — **II**, 46.  
**C<sub>21</sub>H<sub>22</sub>** C 90,0 — H 10,0 — M. G. 280.  
 1) *β,β*-**Di[1,2,4-Trimethylphenyl]propan**. Sd. oberh. 300° (**B**. **24**, 2788). — **II**, 243.  
**C<sub>21</sub>H<sub>44</sub>** C 85,1 — H 14,9 — M. G. 296.  
 1) norm. **Hensikosan**. Sm. 40,4°; Sd. 215°<sub>15</sub> (129°) (**B**. **15**, 1719; **21**, 2261; **22**, 2135; **29**, 1323). — **I**, 107.  
**C<sub>21</sub>Cl<sub>56</sub>** 1) **Verbindung** (aus Trichlormethylbenzol). Sm. 152—153° (*J*. **1877**, 420; **B**. **13**, 33). — **II**, 49.

**C<sub>21</sub>-Gruppe mit zwei Elementen.**

- C<sub>21</sub>HCl<sub>25</sub>** 1) **Verbindung** (aus Trichlormethylbenzol). Sm. 102° (*J*. **1877**, 421). — **II**, 49.  
**C<sub>21</sub>H<sub>10</sub>O<sub>8</sub>** C 81,3 — H 3,2 — O 15,5 — M. G. 310.  
**C<sub>21</sub>H<sub>10</sub>O<sub>6</sub>** 1) **Anhydriobenzozingelb** (*B*. **31**, 2978).  
**C<sub>21</sub>H<sub>12</sub>O** C 75,4 — H 2,8 — O 26,8 — M. G. 358.  
 1) **Anhydrid d. Fluorescein-3-Carbonsäure** (A. **290**, 236).  
**C<sub>21</sub>H<sub>12</sub>O<sub>2</sub>** C 90,0 — H 4,3 — O 5,7 — M. G. 280.  
 1) **Piclymekton** (Binaphthylmekton). Sm. 185,5° (188°) (A. **284**, 66, 74; A. ch. [5] **28**, 192). — **III**, 265.  
**C<sub>21</sub>H<sub>12</sub>O<sub>3</sub>** C 85,1 — H 4,0 — O 10,8 — M. G. 296.  
 1) **Diphenyldion**. Sm. 150—151° (**B**. **28**, 2787). — **III**, 263.  
 2) *α*-**Dinaphthylketonoxyd (*α*-Dinaphtoxauthon). Sm. 240° (**B**. **13**, 702; **19**, 226; **25**, 1641). — **III**, 262.  
 3) *β*-**Dinaphthylketonoxyd**. Sm. 149° (*J. pr.* [2] **41**, 49). — **III**, 263.  
 4) *γ*-**Dinaphthylketonoxyd**. Sm. 241° (**B**. **25**, 1642). — **III**, 263.  
 C 80,8 — H 3,8 — O 15,4 — M. G. 312.  
 1) **Formaldehyd oxy naphtofluoruron** (*B*. **31**, 147).**

- C<sub>21</sub>H<sub>12</sub>O<sub>4</sub>** C 76,8 — H 3,6 — O 19,5 — M. G. 328.  
 1) **Benzoingelb.** Zers. bei 250°. Pb (B. 31, 2976).
- C<sub>21</sub>H<sub>12</sub>O<sub>7</sub>** C 67,0 — H 3,2 — O 29,8 — M. G. 376.  
 1) **Fluorescein-6-Carbonsäure.** Sm. noch nicht bei 280° (A. 290, 237).  
 2) **Fluoresceincarbonsäure.** Cs<sub>2</sub>, Ba<sub>2</sub> (B. 11, 1340). — II, 2088.
- C<sub>21</sub>H<sub>13</sub>O<sub>7</sub>** 1) **Verbindung** (aus  $\alpha$ -Oxy- $\alpha\alpha$ -Diphenylessigsäure) = (C<sub>21</sub>H<sub>13</sub>O<sub>2</sub>)<sub>n</sub>. Sm. 256 bis 257° (B. 22, 1215). — II, 1696.
- C<sub>21</sub>H<sub>13</sub>N** C 90,3 — H 4,7 — N 5,0 — M. G. 279.  
 1)  **$\beta$ -Naphtoakridin.** Sm. 216°. HJ, HNO<sub>3</sub>, Pikrat (J. pr. [2] 35, 317; Soc. 73, 542, 548). — IV, 476.  
 2) **Iso- $\beta$ -Naphtoakridin.** Sm. 225—226° (Soc. 73, 541).
- C<sub>21</sub>H<sub>14</sub>O** C 89,4 — H 4,9 — O 5,7 — M. G. 282.  
 1) **Picylenkarbinol** (Binaphylenoxymethan). Sm. 230° (A. 284, 69).  
 2) **1-Keto-2,3-Diphenylinden.** Sm. 150—151° (B. 28, 2787; 29, 2839; 30, 1281).  
 3) **9-Keto-10-Benzyliden-9,10-Dihydroanthracen.** Sm. 127° (B. 18, 2153). — III, 245.  
 4) **1,2'-Dinaphthylketon.** Sm. 135° (B. 6, 544, 1241, 1248). — III, 262.  
 5) **2,2'-Dinaphthylketon** (2 isom. Formen).  $\alpha$ -Modif. Sm. 125,5°;  $\beta$ -Modif. Sm. 164—164,5° (B. 6, 545, 1242). — III, 262.  
 6) isom. **Dinaphthylketon.** Sm. 140° (B. 6, 546). — III, 262.  
 7) **Phtalacenoxyd.** Sm. 211—214° (B. 17, 1397). — II, 297.  
 8) **Anhydrid d. Di[2-Oxynaphthyl]methan.** Sm. 199° (B. 26, 84). — II, 1006.  
 9) isom. **Anhydrid d. Di[2-Oxynaphthyl]methan.** Sm. 165° (J. pr. [2] 41, 52). — II, 1006.  
 10) **Verbindung** (aus 2-Oxynaphthalin). Sm. 300—305° (B. 15, 1123). — II, 875.
- C<sub>21</sub>H<sub>14</sub>O<sub>2</sub>** C 84,6 — H 4,7 — O 10,7 — M. G. 298.  
 1) **Methylenäther d. 2,2'-Dioxy-1,1'-Binaphthyl** (Bl. [3] 19, 612).  
 2) **2,2'-Diketodinaphthylmethan.** Sm. 168—169° (B. 25, 3482). — II, 1006.  
 3) **Picensäure (2,2'-Binaphthyl-?-Carbonsäure).** Sm. 201°. Ag (A. 284, 70 II, 1483).
- C<sub>21</sub>H<sub>14</sub>O<sub>3</sub>** C 80,3 — H 4,4 — O 15,3 — M. G. 314.  
 1) **Monobenzosäat d. 9,10-Dioxyphenanthren.** Sm. 177—178° (A. 249, 143). — II, 1001.
- C<sub>21</sub>H<sub>14</sub>O<sub>4</sub>** 2) **1,1'-Dinaphtylester d. Kohlensäure.** Sm. 130° (B. 27, 3459; 28, 3050; Bl. [3] 13, 215).  
 3) **2,2'-Dinaphtylester d. Kohlensäure.** Sm. 176—177° (178°) (B. 28, 3055; A. 301, 115).  
 4) C 76,4 — H 4,2 — O 19,4 — M. G. 330.  
 1) **2,3-Dibenzoylbenzol-1-Carbonsäure.** Sm. 208° (A. 290, 233).  
 2) **2,6-Dibenzoylbenzol-1-Carbonsäure.** Sm. bei 100° (A. 290, 235).  
 3)  $\alpha$ -**P-Dibenzoylbenzol-1-Carbonsäure.** Sm. 80—82° (B. 7, 1154). — II, 1914.  
 4)  $\beta$ -**P-Dibenzoylbenzol-1-Carbonsäure.** Sm. 210—212° (B. 7, 1154). — II, 1914.  
 5)  $\alpha$ ,**2-Lakton d.  $\alpha$ -Oxytriphenylmethan-2,4-Dicarbonsäure (Diphenylphthalidcarbonsäure).** Sm. 228°. + C<sub>3</sub>H<sub>6</sub>O, Ca + 3H<sub>2</sub>O, Ag (B. 19, 3067). — II, 1988.  
 6)  $\alpha$ ,**2-Lakton d.  $\alpha$ -Oxytriphenylmethan-2,5-Dicarbonsäure.** Sm. 244 bis 246°. Ag (B. 18, 2373). — II, 1988.  
 7) **Anhydrid d.  $\alpha$ -Oxytriphenylmethan-3,4-Dicarbonsäure** (B. 19, 3073). — II, 1988.
- C<sub>21</sub>H<sub>14</sub>O<sub>5</sub>** C 72,8 — H 4,0 — O 23,1 — M. G. 346.  
 1) **Methyläther d. Fluorescein.** Sm. 262° (B. 28, 397). — II, 2060.
- C<sub>21</sub>H<sub>14</sub>O<sub>7</sub>** C 66,7 — H 3,7 — O 29,6 — M. G. 378.  
 1) **Aurindicarbonsäure.** Ca (B. 25, 943). — II, 2087.  
 2) **Säure** (aus 4-Oxybenzol-1-Carbonsäure). Sm. 280°. Na (J. pr. [2] 28, 206). — II, 1528.
- C<sub>21</sub>H<sub>14</sub>O<sub>8</sub>** C 64,0 — H 3,5 — O 32,5 — M. G. 394.  
 1) **Oxyaurindicarbonsäure.** Zers. bei 140°. Ca (B. 25, 2671). — II, 2093.

- C<sub>21</sub>H<sub>14</sub>O<sub>6</sub>** C 61,4 — H 3,4 — O 35,1 — M. G. 410.  
1) **Dioxyaurindicarbonsäure.** Ca (B. 25, 2672). — **II, 2100.**  
C 59,2 — H 3,3 — O 37,5 — M. G. 426.
- C<sub>21</sub>H<sub>14</sub>O<sub>10</sub>** 1) **Trioxaurindicarbonsäure.** Ca (B. 25, 2673). — **II, 2103.**  
2) **Verbindung** (aus Katechin) (Bl. 4, 8). — **III, 687.**
- C<sub>21</sub>H<sub>14</sub>O<sub>11</sub>** C 57,0 — H 3,2 — O 39,8 — M. G. 442.  
1) **Tetraoxaurindicarbonsäure.** Ca (B. 25, 2673). — **II, 2107.**  
2) **Verbindung** (aus 1,4-Benzochinon) (A. 218, 212). — **III, 328.**  
C 55,0 — H 3,1 — O 41,9 — M. G. 458.
- C<sub>21</sub>H<sub>14</sub>O<sub>12</sub>** 1) **Pentaoxyaurindicarbonsäure.** Ca (B. 25, 2673). — **II, 2108.**  
2) **Triethylster d.** **2,4,6-Triacetoxylbenzol-1,3,5-Tricarbonsäure.**  
Sm. 75—78° (B. 21, 1768). — **II, 2089.**  
C 53,2 — H 2,9 — O 43,9 — M. G. 474.
- C<sub>21</sub>H<sub>14</sub>O<sub>13</sub>** 1) **Tetracyetylalloxatin.** Sm. 230° (B. 20, 2330). — **II, 1926.**  
C 85,7 — H 4,8 — N 9,5 — M. G. 294.
- C<sub>21</sub>H<sub>14</sub>N<sub>2</sub>** 1) **Di[1-Naphthylimido]methan.** Sm. 93—94° (B. 19, 2405). — **II, 624.**  
2) **Di[2-Naphthylimido]methan.** Sm. 145—146° (B. 19, 2406). — **II, 624.**  
3) **6-Methyl-2,3-Biphenyl-1,4-Benzodiazin** (Toluphenanthrazin). Sm. 212—213° (A. 237, 341). — **IV, 1087.**  
4) **Chrysomethylpyrazin.** Sm. 144—146° (Soc. 63, 1292). — **IV, 1087.**
- C<sub>21</sub>H<sub>14</sub>Br<sub>2</sub>** 1) **Dibrom- $\alpha$ -Dinaphthylmethan.** Sm. 193° (B. 7, 1608). — **II, 296.**  
2) **Dibrom- $\beta$ -Dinaphthylmethan.** Sm. 164° (B. 13, 1728). — **II, 296.**
- C<sub>21</sub>H<sub>15</sub>N<sub>2</sub>** C 89,7 — H 5,3 — N 5,0 — M. G. 281.  
1) **1-[1-Naphthylimido]methylnaphthalen.** Sm. 117° (B. 22, 2150). — **III, 63.**  
2) **2,3-Diphenylchinolin.** Sm. 90—91° (95—96%). Sd. 420° (310°<sub>so</sub>). (2HCl, PtCl<sub>4</sub>), Pikrat (B. 23, 2075; J. pr. [2] 56, 304). — **IV, 473.**  
3)  **$\beta$ -Diphenylchinolin.** Sm. 112°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (B. 20, 1772). — **IV, 473.**  
4) **2-[ $\beta$ -Phenyläthenyl]- $\alpha$ -Naphtochinolin.** Sm. 104°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>, Pikrat (B. 23, 1233). — **IV, 473.**  
5) **3-[ $\beta$ -Phenyläthenyl]- $\beta$ -Naptochinolin.** Sm. 175°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>, Pikrat (B. 23, 1239). — **IV, 474.**  
6) **Nitril d. Triphenylakrylsäure.** Sm. 162—163° (B. 28, 1798, 2785). C 81,6 — H 4,8 — N 13,6 — M. G. 309.
- C<sub>21</sub>H<sub>15</sub>N<sub>3</sub>** 1) **Kyaphenin** (2,4,6-Triphenyl-1,3,5-Triazin). Sm. 233° (231°); Sd. oberh. 350° (A. 115, 23; 133, 147; 149, 310; 290, 182; B. 2, 307; 11, 6, 784; 22, 1611, 1760; 25, 2267; J. 1868, 715; Soc. 37, 563; J. pr. [2] 35, 83; [2] 51, 408; [2] 54, 132). — **II, 1215.**
- C<sub>21</sub>H<sub>15</sub>Br** 1) **Bromphthalacen.** Sm. 184—184,5° (B. 17, 1397). — **II, 297.**  
2) **Brombenzylanthracen.** Zers. bei 113—114° (B. 23, 1570). — **II, 297.**
- C<sub>21</sub>H<sub>15</sub>O** C 88,7 — H 5,6 — O 5,6 — M. G. 284.  
1)  **$\gamma$ -Keto- $\alpha\beta$ -Triphenylpropan** (Benzylidenesoxybezoquin). Sm. 100° (B. 26, 442, 449). — **III, 261.**  
2) **10-Oxy-9-Benzylanthracen.** Sm. 183—184° (B. 23, 2529). — **II, 905.**  
3) **10-Oxy-3-Methyl-9-Phenylanthracen** (Phenylmethylanthronol) (Bl. [3] 17, 980).  
4) **10-Oxy- $\beta$ -Methyl-9-Phenylanthracen.** Sm. 156—157° (B. 16, 2365). — **II, 1095.**  
5)  **$\alpha$ -Keto- $\beta$ -Phenyl- $\alpha$ -Fluorenyläthan** (Benzylfluorenylketon). Sm. 156° (B. 21, 1341). — **III, 261.**  
6) **Keton** (aus  $\alpha\beta$ -Dibenzoylstyrol). Sm. 92—93° (Soc. 57, 685, 745). — **III, 262.**  
7) **Verbindung** (aus Benzamaron). 2 Isomere.  $\alpha$ -Modif. Sm. 101—102°;  $\beta$ -Modif. Sm. 89—90° (A. 275, 61, 62). — **III, 314.**  
C 84,0 — H 5,3 — O 10,7 — M. G. 300.
- C<sub>21</sub>H<sub>16</sub>O<sub>2</sub>** 1) **Di[2-Oxynaphthyl]methan.** Sm. 194° u. Zers. (200°). Na, Pikrat (B. 25, 3214, 3478; 26, 84; 27, 2412). — **II, 1006.**  
2) **2,2'-Dinaphthyläther d. Dioxymethan.** Sm. 133—134° (B. 13, 1954). — **II, 877.**  
3) **9-Oxy-10-Keto-9-Benzyl-9,10-Dihydroanthracen** (Benzylxanthranol). Sm. 146° (B. 18, 2152). — **III, 245.**  
4) **9-Oxy-10-Keto-9-Phenyl-3-Methyl-9,10-Dihydroanthracen.** Sm. 213° (216°) (B. 19, 3065; Bl. [3] 17, 981). — **III, 262.**

- C<sub>11</sub>H<sub>16</sub>O<sub>2</sub>**
- 5) **9-Oxy-10-Keto-9-Phenyl-9,10-Dihydroanthracen.** Sm. 195° (B. 18, 2366). — III, 262.
  - 6)  **$\alpha\gamma$ -Diketo- $\alpha\beta\gamma$ -Triphenylpropan (Phenyldibenzoylmethan).** Sm. 119 bis 120°; Sd. 300—305°<sub>15</sub> (Soc. 69, 742). — III, 306.
  - 7) **Keton (aus Dibenzyltoluol).** 2 Isomere. Sd. 300—305°<sub>30—40</sub> (B. 7, 1156). — III, 306.
  - 8) **Picencarbonsäure.** Sm. 245° (A. 284, 79). — II, 1483.
  - 9) **Phthalacensäure.** Sm. 245—247° (B. 17, 1399). — II, 1483.
  - 10) **Triphenylakrylsäure.** Sm. 212—213° (B. 28, 1799, 2783; 29, 2842).
  - 11)  **$\alpha\alpha\beta$ -Triphenyläthan- $\alpha^2$ -Carbonsäure.** Sm. 189° (185—186°) (B. 29, 2841; 30, 1283).
  - 12) **Lakton d.  $\alpha$ -Oxy- $\alpha^2$ -Diphenyl- $\alpha^2$ -[4-Methylphenyl]methan- $\alpha^2$ -2-Carbonsäure.** Sm. 147°; Sd. oherh. 360° (B. 19, 3062; Bl. [3] 17, 977). — II, 1724.
  - 13) **Lakton d.  $\alpha$ -Oxy- $\alpha^2$ -Diphenyl- $\alpha^2$ -[3-Methylphenyl]methan- $\alpha^2$ -6-Carbonsäure.** Sm. 179° (B. 16, 2361). — II, 1724.
  - 14) **Lakton d.  $\alpha$ -Oxy- $\alpha^2$ -Diphenyl- $\alpha^2$ -[4-Methylphenyl]methan- $\alpha^2$ -2-Carbonsäure.** Sm. 106° (B. 14, 1867; A. 299, 300). — II, 1724.
  - 15) **Benzosat d. 2-Oxy-9,10-Dihydroanthracen.** Sm. 124° (B. 28, 3070). II, 1149.
- C<sub>11</sub>H<sub>16</sub>O<sub>3</sub>**
- 1) **Methylester d. Hydrofluoransäure.** Sm. 123—125° (B. 28, 432). — II, 1911.
  - 2) **Methylester d. 2-[4-Phenylbenzoyl]bensol-1-Carbonsäure.** Sm. 85 bis 90° (A. 257, 98). — II, 1726.
  - 3) **Phenylester d.  $\alpha$ -Oxy- $\beta$ -Phenylakrylphenyläthersäure.** Sm. 74°; Sd. 250—260°<sub>30</sub> (C. 1897 [1] 1120).
  - 4) **Aacetat d.  $\gamma$ -Keto- $\gamma$ -[1-Oxy-2-Naphthyl]- $\alpha$ -Phenylpropen.** Sm. 95—96° (B. 31, 706).
  - 5) **Benzosat d.  $\beta$ -Oxy- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan (B. d. Benzoin).** Sm. 125° (A. 104, 117). — III, 223.
- C<sub>11</sub>H<sub>16</sub>O<sub>4</sub>**
- 1) **Di[2,4-Dioxy-1-Naphthyl]methan.** Sm. 164,5° (B. 31, 146).
  - 2) **Di[2,7-Dioxynaphthyl]methan.** Sm. 252° u. Zers. (B. 26, 85). — II, 1039.
  - 3) **Resorcincinnamylein + H<sub>2</sub>O.** HCl (J. pr. [2] 48, 406). — II, 1123.
  - 4) **2-Benzosat-1-Methyläther d. 1,2-Dioxypyridophenylketon.** Sm. 95,5 bis 96,5° (G. 28 [2] 434).
  - 5) **Dibenzoat d. Dioxyethylbenzol (A. 102, 370; J. 1857, 471).** — II, 13.
  - 6) **Dibenzoat d. 3,4-Dioxy-1-Methylbenzol.** Sm. 58° (C. 1896 [1] 1025).
  - 7) **Dibenzoat d. 3,5-Dioxy-1-Methylbenzol.** Sm. 88° (40°) (A. ch. [4] 6, 197; J. pr. [2] 26, 65). — II, 1150.
  - 8) **Triphenylmethan-2,4-Dicarbonsäure.** Sm. 278°. Ca + 2H<sub>2</sub>O, Ag<sub>2</sub> (B. 19, 3008). — II, 1912.
  - 9) **Triphenylmethan-3-Dicarbonsäure.** Sm. 278—280°. Ba + 5H<sub>2</sub>O, Ag<sub>2</sub> (B. 16, 2375). — II, 1913.
  - 10) **2-Benzoxylphenylessigsäure.** Sm. 152°. Ag (B. 30, 127). C 72,4 — H 4,6 — O 23,0 — M. G. 348.
- C<sub>21</sub>H<sub>16</sub>O<sub>5</sub>**
- 1)  **$\alpha$ -Oxytriphenylmethan-3,4-Dicarbonsäure.** Sm. 180°. Ca, Ba, Ag<sub>2</sub> (B. 19, 3071). — II, 1988.
  - 2) **Diacetat d.  $\beta$ -Oxy-2-[2-Oxybenzoyl]naphtalin.** Sm. 107—108° (A. 257, 91). — III, 256.
  - 3) **Diacetat d.  $\beta$ -Oxy-2-[2-Oxybenzoyl]naphtalin.** Sm. 135—137° (A. 257, 93). — III, 255.
  - 4) **Monobenzosat d. Cotoin (M. d. 2,4,6-Trioxydiphenylketonmonomethyläther).** Sm. 110—112° (A. 282, 193). — III, 203.
- C<sub>21</sub>H<sub>16</sub>O<sub>6</sub>**
- C 69,1 — II 4,4 — O 26,4 — M. G. 364.
  - 1) **Diacetat d. 5,6-Dioxy-2-Keto-1-Cinnamyliden-1,2-Dihydrobenzofuran.** Sm. 176° (B. 30, 2951).
  - 2) **Monomethylester d. Acetylpyruvinsäure.** Sm. 153—155° (156°) (B. 13, 1634; A. 219, 17; 282, 14; 284, 121). — II, 2030.
- C<sub>21</sub>H<sub>16</sub>O<sub>7</sub>**
- C 66,3 — H 4,2 — O 29,5 — M. G. 380.
  - 1) **Katechinanhydrid (A. 96, 356; 186, 337).** — III, 686.
  - 2) **Monobenzosat d. Baptogenin.** Sm. bei 148° (C. 1897 [2] 430).
  - 3) **Diacetat d. Citrakonfluorescein (Soc. 63, 679).** — II, 2026.

- C<sub>21</sub>H<sub>16</sub>O<sub>7</sub>**      4) **Acetylchrysocetrarsäure.** Sm. 163—164° (*J. pr.* [2] **57**, 312). C 63,6 — H 4,0 — O 32,3 — M. G. 396.  
**C<sub>21</sub>H<sub>16</sub>O<sub>8</sub>**      1) **Triacetat d. 7,8-Dioxy-2-[2-Oxyphenyl]-1,4-Benzpyron.** Sm. 160° (*B.* **29**, 2433).  
 2) **Triacetat d. 7,8-Dioxy-2-[3-Oxyphenyl]-1,4-Benzpyron.** Sm. 166 bis 167° (*B.* **29**, 2433).  
 3) **Triacetat d. 7,8-Dioxy-2-[4-Oxyphenyl]-1,4-Benzpyron.** Sm. 199 bis 201° (*B.* **29**, 2434).  
 4) **Triacetat d. 7-Oxy-2-[3,4-Dioxyphenyl]-1,4-Benzpyron** (Tr. d. Trioxylavon). Sm. 168° (*B.* **30**, 300).  
 5) **Triacetat d. 5,6,7-Trioxyl-1-Methyl-9,10-Anthrachinon.** Sm. 217 bis 218° (*A.* **240**, 284). — **III**, 449.  
 6) **Triacetat d. 6,7,8-Trioxyl-1-Methyl-9,10-Anthrachinon.** Sm. 208 bis 210° (*A.* **240**, 284). — **III**, 449.  
 7) **Triacetat d. 5,6,7-Trioxyl-2-Methyl-9,10-Anthrachinon.** Sm. 204° (*A.* **240**, 284). — **III**, 453.  
 8) **Triacetat d. 6,7,8-Trioxyl-2-Methyl-9,10-Anthrachinon.** Sm. 188 bis 190° (*A.* **240**, 284). — **III**, 449.  
 9) **Triacetat d. Emodin.** Sm. 190° (*A.* **183**, 163). — **III**, 454.  
 10) **Triacetat d. Galangin.** Sm. 140—142° (*B.* **14**, 2808). — **III**, 632.  
 11) **Triacetat d. Morindon.** Sm. 222° (*Soc.* **65**, 856). — **III**, 455.  
 12) **Verbindung** (aus Katechin) (*A.* **186**, 339). — **III**, 686;  
**C<sub>21</sub>H<sub>16</sub>O<sub>9</sub>**      C 61,2 — H 3,9 — O 34,9 — M. G. 412.  
 1) **Psoromsäure + 1 u. 3H<sub>2</sub>O** (oder C<sub>20</sub>H<sub>14</sub>O<sub>9</sub> Psoromsäure). Sm. 262—265° (wasserfrei). K<sub>2</sub>, Ba, Pb + H<sub>2</sub>O, Ag, Ag, (*J. pr.* [2] **58**, 517). — **II**, 2093, 2112. C 58,9 — H 3,7 — O 37,4 — M. G. 428.  
**C<sub>21</sub>H<sub>16</sub>O<sub>10</sub>**      1) **Tetracetal d. Anhydropyrogalloketon.** Sm. 237° (*A.* **208**, 271). — **III**, 210.  
 2) **Monäthylester d. α,γ-Diketo-α,γ-Diphenylpropan-β,β-Tetracarbonsäure.** Sm. oberh. 180° (*B.* **20**, 1012). — **II**, 2100.  
**C<sub>21</sub>H<sub>16</sub>N<sub>2</sub>**      C 85,1 — H 5,5 — N 9,5 — M. G. 296.  
 1) **1,1'-Dinaphylmethanamidin.** Sm. 190° (*Am.* **13**, 516). — **II**, 604.  
 2) **1,3,4-Triphenylpyrazol.** Sm. 185° (*A.* **289**, 332; *Soc.* **71**, 1148). — **IV**, 1027.  
 3) **1,3,5-Triphenylpyrazol.** Sm. 137—138° (*B.* **21**, 1206; *J. pr.* [2] **58**, 153). — **IV**, 1028.  
 4) **1,4,5-Triphenylpyrazol.** Sm. 212° (206°); Sd. oberh. 400° (*Soc.* **57**, 708; *B.* **28**, 1889). — **IV**, 1028.  
 5) **2,4,5-Triphenylimidazol** (Lophin). Sm. 275°. HCl + 1½H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), HJ, HNO<sub>3</sub> + H<sub>2</sub>O, + AgNO<sub>3</sub>, 2 + AgNO<sub>3</sub>, 2 + 3AgNO<sub>3</sub> (*A.* **54**, 368; **93**, 329; **97**, 283; **112**, 166; **151**, 135; *B.* **10**, 70; **13**, 706; **14**, 444; **15**, 1268, 1493, 2410; **27**, 311; *M.* **17**, 302; *Bl.* [3] **17**, 862). — **III**, 26.  
 6) **isom. Lophin + 1½H<sub>2</sub>O.** Sm. 170%. HCl, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (*A.* **112**, 314). — **III**, 27.  
 7) **1-Phenylamido-3-Phenylisochinolin.** Sm. 126° Pikanat (*B.* **25**, 2709). — **IV**, 1026.  
 8) **α-[2-Chinolyl]-β-[2-Methyl-6-Chinolyl]äthen.** Sm. 157,5° (*B.* **22**, 289). — **IV**, 1081.  
 9) **α-[6-Chinolyl]-β-[2-Methyl-6-Chinolyl]äthen.** Sm. oberh. 300° (*B.* **18**, 3238). — **IV**, 372.  
 10) **α-[2-Chinolyl]-β-[2-Methyl-7-Chinolyl]äthen.** Fl. HNO<sub>3</sub> + 1½H<sub>2</sub>O (6, 3652). — **IV**, 1081.  
 11) **6-Methyl-2,3-Diphenyl-1,4-Benzodiazin.** Sm. 111° (*A.* **237**, 339; *B.* **26**, 1348). — **IV**, 1081.  
 12) **Base** (aus Benzaldehyd, p-Toluidin u. salz. p-Toluidin). Sm. 177—178°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (*J. pr.* [2] **36**, 267). — **IV**, 1081.  
**C<sub>21</sub>H<sub>16</sub>N<sub>4</sub>**      C 77,8 — H 4,9 — N 17,3 — M. G. 324.  
 1) **6-Phenylamido-2,4-Diphenyl-1,3,5-Triazin.** Sm. 155° (*B.* **26**, 2227). — **IV**, 1294.  
**C<sub>21</sub>H<sub>17</sub>N**      C 89,1 — H 6,0 — N 4,9 — M. G. 283.  
 1) **Methyl-2,2'-Dinaphylamin.** Sm. 139—140° (123—124°) (*B.* **20**, 2619; **23**, 2460). — **II**, 604.  
 2) **5-Methyl-2-Phenyl-1-[1-Naphthyl]pyrrol.** Sm. 74° (*B.* **18**, 2598). — **IV**, 333.

- C<sub>11</sub>H<sub>17</sub>N**
- 3) **5-Methyl-2-Phenyl-1-[2-Naphthyl]pyrrol.** Sm. 52° (B. 18, 2599). — IV, 333.
  - 4) **2,6-Di[β-Phenyläthoxy]pyridin.** Sm. 167,5°. (HCl, HgCl<sub>2</sub>, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>), Pikrat (B. 25, 2403). — IV, 469.
  - 5) **1-Methyl-2,3-Diphenylindol.** Sm. 139°. Pikrat (B. 26, 1345). — IV, 469.
  - 6) **5-Methyl-2,3-Diphenylindol.** Sm. 153°. Pikrat, + Aceton (B. 26, 1343; A. 14, 285; 15, 402; Soc. 65, 896). — IV, 470.
  - 7) **7-Methyl-2,3-Diphenylindol.** α-Modif. Sm. 102°; β-Modif. Sm. 128°; γ-Modif. Sm. 136° (B. 26, 1344; Soc. 65, 893). — IV, 469.
  - 8) **2-Phenyl-3-Benzylindol.** Sm. 100—101° (A. 248, 113). — IV, 469.
  - 9) **Nitril d. αβ-Triphenyläthan-α-Carbonsäure.** Sm. 126° (A. 250, 143). — II, 1483.
- C<sub>11</sub>H<sub>17</sub>N<sub>5</sub>**
- C 81,0 — H 5,4 — N 13,5 — M. G. 311.
  - 1) **1,1'-Dinaphthylguanidin.** Sm. 200°. HCl, (2HCl, PtCl<sub>4</sub>) (A. 98, 238; B. 21, 969). — II, 605.
  - 2) **2,4-Di[Phenylamido]chinolin.** Sm. 149° (B. 26, 2230). — IV, 1159.
  - 3) **1-Phenylhydrazido-3-Phenylisochinolin.** Sm. 183° (B. 25, 2709). — IV, 1189.
  - 4) **Nitril d. β-Phenylhydrazeno-β-Diphenylpropionsäure.** Sm. 160° (J. pr. [2] 55, 311). — IV, 698.
  - 5) **Nitril d. β-Diphenylhydrazeno-β-Phenylpropionsäure.** Sm. 148° (J. pr. [2] 55, 149).
- C<sub>11</sub>H<sub>17</sub>N<sub>5</sub>**
- C 74,3 — H 5,0 — N 20,6 — M. G. 339.
  - 1) **Cyanid d. α-Triphenylguanidin** (B. 3, 764; II, 973). — II, 350.
  - 2) **Cyanid d. uns. β-Triphenylguanidin** + ½H<sub>2</sub>O. Sm. 172,5°. HCl + 3H<sub>2</sub>O (A. 66, 129; B. 3, 763; 10, 1593; II, 973). — II, 351.
  - 3) **6-Phenylhydrazido-2,4-Diphenyl-1,3,5-Triazin.** Sm. 140° (B. 26, 2226). — IV, 1294.
- C<sub>11</sub>H<sub>17</sub>Cl**
- C<sub>11</sub>H<sub>16</sub>O**
- 1) **α-Chloro-αβ-Triphenylpropen.** Sm. 80° (B. 25, 2237). — II, 294. C 88,1 — H 6,3 — O 5,6 — M. G. 236.
  - 10) **10-Oxy-9-Benzyl-9,10-Dihydroanthracen.** Zers. bei 130—140° (B. 23, 2528). — II, 905.
  - 2) **ε-Keto-αι-Diphenyl-αγ,β-Nonatetraen.** Sm. 142° (B. 18, 2325). — III, 258.
  - 3) **α-Keto-αβ-Triphenylpropan** (Benzyldesoxybenzoīn). Sm. 120° (B. 21, 1300; A. 250, 132). — III, 259.
  - 4) **Verbindung** (aus d. Verb. C<sub>11</sub>H<sub>16</sub>O aus Benzamaron). Sm. 118°; Sd. 210 bis 220° (A. 275, 65). — III, 314.
- C<sub>11</sub>H<sub>18</sub>O<sub>2</sub>**
- C 83,5 — H 5,9 — O 10,6 — M. G. 302.
  - 1) **9,10-Dioxy-10-Benzyl-9,10-Dihydroanthracen.** Sm. 60—61° (Bl. [3] 6, 92). — III, 245.
  - 2) **Methyläther d. β-Keto-αβ-Diphenyl-α-[4-Oxyphenyl]äthan.** Sm. 90 bis 92°; Sd. 292—298° (Soc. 57, 965). — III, 258.
  - 3) **Aethyläther d. γ-Keto-α-Phenyl-γ-[4-Oxy-2-Naphthyl]propen?** Sm. 85—86° (B. 25, 3537). — III, 258.
  - 4) **βββ-Triphenylpropionsäure.** Sm. 177°. Na + H<sub>2</sub>O, K + H<sub>2</sub>O, Ba + H<sub>2</sub>O, Ag (Soc. 51, 226). — II, 1483.
  - 5) **ααβ-Triphenyläthan-α-Carbonsäure.** Sm. 162°. Ag (A. 250, 143). — II, 1482.
  - 6) **3-Methyltriphenylmethan-6-Carbonsäure.** Sm. 217°. Ba + 4H<sub>2</sub>O, Ag (B. 18, 2364). — II, 1482.
  - 7) **4-Methyltriphenylmethan-2-Carbonsäure.** Sm. 203°. Ba + 3H<sub>2</sub>O, Ag (B. 19, 3064). — II, 1482.
  - 8) **4'-Methyltriphenylmethan-2'-Carbonsäure.** Sm. 172°. Ba + 3½(4)H<sub>2</sub>O (A. 234, 242; Bl. [3] 17, 978).
  - 9) **Acetat d. α-Oxytriphenylmethan.** Sm. 99° (A. 227, 116). — II, 1083.
  - 10) **Verbindung** (aus Amarsäure). Sm. 168° (A. 275, 73). — II, 1725.
- C<sub>11</sub>H<sub>18</sub>O<sub>3</sub>**
- C 79,3 — H 5,6 — O 15,1 — M. G. 318.
  - 1) **α-β-Diketo-γ-[2-Furanyl]-α-Diphenylpentan** (Furaldiacetophenon). Sm. 95° (B. 29, 2248). — III, 730.
  - 2) **Monobenzosat d. αβ-Dioxy-αβ-Diphenyläthan.** Sm. 160—161° (A. 182, 277). — II, 1145.
  - 3) **Monobenzosat d. Isohydrobenzoīn.** Sm. 130° (A. 182, 285). — II, 1145.

- C<sub>21</sub>H<sub>18</sub>O<sub>3</sub>**
- 4) *α*-Oxy-*α'α''*-Diphenyl-*α''*-[4-Methylphenyl]methan-*α''*2-Carbonsäure.  
Na (B. 19, 3062). — II, 1724.
  - 5) *α*-Oxy-*α'α''*-Diphenyl-*α''*-[3-Methylphenyl]methan-*α''*6-Carbonsäure.  
Na (B. 16, 2361). — II, 1724.
  - 6) *α*-Oxy-*α'α''*-Diphenyl-*α''*-[2-Methylphenyl]methan-*α''*5-Carbonsäure.  
Sm. 250—255° u. Zers. Ca + xH<sub>2</sub>O, Ba + xH<sub>2</sub>O (B. 16, 2371). — II, 1724.
  - 7) **Benzylester d. α-Oxydiphenylessigäure.** Sm. 75—76° (B. 22, 1212). — II, 1696.
- C<sub>21</sub>H<sub>18</sub>O<sub>5</sub>**
- 1) *β*-Dibenzoyl-*β*,*γ*-Triketohexan (Dibenzoyldiacetylacetone). Sm. 55° (B. 28, 1824).
  - 2) **Methyläthylester d. Pulvinsäure.** Sm. 138—139° (A. 282, 41). — II, 2030.
  - 3) **isom. Methyläthylester d. Pulvinsäure.** Sm. 150—151° (A. 282, 42). — II, 2030.
  - 4) **norm. Propylester d. Pulvinsäure.** Sm. 134° (A. 282, 42).
- C<sub>21</sub>H<sub>18</sub>O<sub>6</sub>**
- C 68,8 — H 4,9 — O 26,2 — M. G. 366.
  - 1) **Trimethyläther d. Dehydrobrasiliinmonacetat.** Sm. 174—176° (M. 16, 914). — III, 655.
  - 2) **Aethylester d. Chrysocetrarsäure.** Sm. 146° (J. pr. [2] 57, 311). C 66,0 — H 4,7 — O 29,3 — M. G. 382.
- C<sub>21</sub>H<sub>18</sub>O<sub>7</sub>**
- 1) **Verbindung (aus Dichlorbisdiketohydrinden).** Na (B. 31, 1168). C 63,3 — H 4,5 — O 32,2 — M. G. 398.
  - 1) **Katechinanhydrid (Katechugerbsäure).** Ca, Ba, 2 + 3PbO (A. 186, 332; Fr. 12, 285; 13, 119). — III, 686.
  - 2) **Verbindung + ½H<sub>2</sub>O (aus Fuscophlobaphen)** (Z. 1870, 178, 179). — III, 689.
- C<sub>21</sub>H<sub>18</sub>O<sub>9</sub>**
- C 60,9 — H 4,3 — O 34,8 — M. G. 414.
  - 1) **Tetracetat d. 2,5,2',6'-Tetraoxodiphenylketon.** Sm. 118—119° (M. 13, 414). — III, 205.
  - 2) **Tetracetat d. 2,2',3',4'-Tetraoxodiphenylketon.** Sm. 118° (A. 269, 309). — III, 204.
- C<sub>21</sub>H<sub>18</sub>N<sub>2</sub>**
- C 84,6 — H 6,0 — N 9,4 — M. G. 298.
  - 1) **2,4-Di[Benzylidenamido]-1-Methylbensol.** Sm. 122—128° (A. 140, 98). — IV, 607.
  - 2) **α-Diphenylmethylenehydrazon-α-Phenyläthan.** Sm. 105° (J. pr. [2] 44, 207). — III, 187.
  - 3) **Amarin.** Sm. 100° (n. 126%). Ag, + AgNO<sub>3</sub> + H<sub>2</sub>O, HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> + 3½H<sub>2</sub>O, H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>. Lit. bedeutend. — III, 22.
  - 4) **Hydrobenzamid.** Sm. 110° (A. 21, 130; 41, 89; 102, 369; 110, 78; 112, 151, 305; 241, 329; B. 14, 444, 1139; 18, 748; 29, 2146; M. 9, 695; Bl. [3] 17, 860). — III, 20.
  - 5) **Benzoinamid** (Benzoinam) (Ber. J. 18, 354). — III, 223.
  - 6) **1-Phenylhydrazon-2-Phenyl-2,3-Dihydroinden.** Sm. 137—138° (130%) (B. 25, 2097, 2129). — IV, 778.
  - 7) **1,3,5-Triphenyl-4,5-Dihydropyrazol.** Sm. 134—135° (136%) (B. 21, 1209; 28, 358). — IV, 1017.
  - 8) **2,4,5-Triphenyl-4,5-Dihydroimidazol** (Isoamarin). Sm. 175° (B. 28, 3177). — IV, 979.
  - 9) **6-Methyl-2-Phenyl-1-[4-Methylphenyl]benzimidazol.** Sm. 185° (B. 25, 1024). — IV, 612.
  - 10) **5 oder 6-Methyl-2-Phenyl-1-Benzylbenzimidazol** (Toluabenzoimidazolin). Sm. 195,5%. HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (B. 10, 1126; 11, 592; 19, 2026). — IV, 619.
  - 11) **1-Methyl-2,3-Diphenyl-1,2-Dihydro-1,4-Benzodiazin.** Sm. 133° (B. 24, 2682). — IV, 1074.
  - 12) **7-Methyl-2,3-Diphenyl-1,2-Dihydro-1,4-Benzodiazin.** Sm. 143° (B. 26, 192). — IV, 1075.
  - 13) **Base (aus Cyanammonium u. Benzaldehyd).** Sm. 198°. HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> + H<sub>2</sub>O, Ag (Soc. 75, 208). C 77,3 — H 5,5 — N 17,2 — M. G. 326.
- C<sub>21</sub>H<sub>18</sub>N<sub>4</sub>**
- 1) **1,2-Di[Phenylhydrazon]-2,3-Dihydroinden.** Sm. 228—229° u. Zers. (B. 29, 2405). — IV, 784.

- C<sub>21</sub>H<sub>18</sub>N<sub>4</sub>** 2) **1,3-Di[Phenylhydrazone]-2,3-Dihydroinden.** Sm. 171° (A. 252, 73). — IV, 784.
- C<sub>21</sub>H<sub>18</sub>N<sub>6</sub>** 1) **1,3,5-Triphenylmelamin.** Sm. 185°. (2HCl, PtCl<sub>4</sub>) (B. 3, 267; 18, 3223; 20, 1071; 23, 1678). — II, 450.
- 2) **2,3,5-Triphenylmelamin.** Sm. 217°. (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O), (2HCl, 2A(Cl<sub>2</sub>)) (B. 18, 3226). — II, 450.
- 3) **2,3,6-Triphenylmelamin.** Sm. 221° (B. 21, 869). — II, 450.
- 4) **2,4,6-Triphenylmelamin.** Sm. 228° (225°). (2HCl, PtCl<sub>4</sub>) (J. pr. [2] 33, 294; B. 18, 3218; 21, 870). — II, 450.
- 5) **Phenylhydrazon d. Cycloformazylimethylketon.** Sm. 205—210° (A. 300, 251). — IV, 1230.
- C<sub>21</sub>H<sub>18</sub>Cl<sub>2</sub>** 1) **2,5-Dichlorolidi[4-Methylphenyl]methan.** Sm. 89° (A. 299, 355).
- C<sub>21</sub>H<sub>18</sub>J<sub>2</sub>** 1) **Phenyldi[6-Jod-3-Methylphenyl]methan.** Sm. 167—168° (J. pr. [2] 35, 262). — II, 290.
- C<sub>21</sub>H<sub>18</sub>S<sub>2</sub>** 1) **Diphenyläther d. γγ-Dimerkapto-α-Phenylpropen.** Sm. 80—81° (B. 18, 885). — III, 59.
- C<sub>21</sub>H<sub>18</sub>S<sub>3</sub>** 1) **α-Trithiobenzaldehyd oder (C<sub>6</sub>H<sub>5</sub>S)<sub>3</sub>.** Zers. bei 150° (A. 37, 348; 38, 320; B. 9, 1895; 12, 1056; 15, 861; 24, 1439; J. 1847/48, 590). — III, 18.
- 2) **β-Trithiobenzaldehyd.** Sm. 225—226° u. Zers. + Thiophen (B. 10, 1877; 15, 861; 22, 2605; 29, 146 Ann.). — III, 19.
- 3) **γ-Trithiobenzaldehyd.** Sm. 166—167° (B. 22, 2605). — III, 19.
- C<sub>21</sub>H<sub>18</sub>N<sub>5</sub>** C 80,5 — H 6,1 — N 13,4 — M. G. 313.
- 1) **o-Azodibenz-p-Toluidin.** Sm. 211° (B. 25, 3579). — IV, 1985.
- 2) **7-Methyl-3-Phenyl-2-[4-Methylphenyl]-2,3-Dihydro-1,2,4-Benzotriasin.** Sm. 220° (B. 23, 505). — IV, 1378.
- C<sub>21</sub>H<sub>18</sub>N<sub>5</sub>** C 73,9 — H 5,6 — N 20,5 — M. G. 341.
- 1) **2,3-Di[Phenylhydrazone]-5-Methyl-2,3-Dihydroindol** (Diphenylhydrazinmethylinatin). Sm. 255° u. Zers. (J. pr. [2] 33, 74). — II, 1652. C 87,4 — H 6,9 — O 5,6 — M. G. 288.
- 2) **Aethyläther d. α-Oxyphenylmethan.** Sm. 83° (B. 7, 1208; 28, 2518; J. 1884, 462; A. ch. [6] 1, 502; A. 227, 114; C. 1897 [2] 408). — II, 1083.
- 2) **1-Keto-2,7-Dibenzyliden-R-Heptamethylen** (Dibenzylidensuberon). Sm. 107—108° (B. 29, 1600; 30, 2263).
- 3) **d-3-Keto-2,4-Dibenzyliden-1-Methylhexahydrobenzol.** Sm. 126—128° (B. 29, 1597).
- 4) **l-3-Keto-2,4-Dibenzyliden-1-Methylhexahydrobenzol.** Sm. 121—122° (A. 295, 182).
- C 82,9 — H 6,6 — O 10,5 — M. G. 304.
- 1) **P-Dioxy-2-Dimethyltriphenylmethan.** Sm. 170—171° (A. 257, 70). — II, 1003.
- C 78,8 — H 6,2 — O 15,0 — M. G. 320.
- 1) **α-Oxy-Phenylidi[2-Oxy-1-Methylphenyl]methan.** Sm. 220—225° (A. 257, 69). — II, 1115.
- 2) **Dimethyläther d. 2-Keto-1,3-Di[4-Oxybenzyliden]-R-Pentamethylen.** Sm. 212° (B. 29, 1838).
- 3) **Diäthyläther d. ?-Oxy-2-[2-Oxybenzoyl]naphtalin.** Sm. 138—141° (A. 257, 91). — III, 256.
- 4) **Säure (aus Amarsäure).** Ag (A. 275, 75). — II, 1725.
- 5) **Aethylester d. 4-Keto-2,6-Diphenyl-1,2,3,4-Tetrahydrobenzol-3-Carbonsäure.** Sm. 109° (A. 281, 58). — II, 1721.
- C 75,0 — H 6,0 — O 19,0 — M. G. 336.
- 1) **Diäthyläther d. 5,6-Dioxy-2-Keto-1-Cinnamyliden-1,2-Dihydrobenzfuran.** Sm. 123° (B. 30, 2952).
- 2) **α-γ-Diphenyl-α-β-Butadien-β-Dicarbonsäure (Dibenzalpimelinsäure).** Sm. 192—193°. Ag<sub>2</sub> (Soc. 59, 850). — II, 1907.
- C 68,5 — H 5,4 — O 20,1 — M. G. 368.
- C<sub>21</sub>H<sub>20</sub>O<sub>4</sub>** 1) **Curcumin (oder C<sub>16</sub>H<sub>14</sub>O<sub>4</sub>).** Sm. 183° (B. 30, 192).
- 2) **Pentamethyläther d. Dehydrohämatoxilin.** Sm. 160—163° (M. 16, 911). — III, 665.
- 3) **Monacetat d. Brasileintrimethyläther.** Sm. 150—155° (M. 16, 741).
- 4) **Monacetat d. Apigenindäthyläther.** Sm. 181—182° (Soc. 71, 815).

- C<sub>21</sub>H<sub>20</sub>O<sub>6</sub>**
- 5) **Benzoylflixäure.** Sm. 123° (B. **21**, 2965). — **II**, 1967.  
C 65,6 — H 5,2 — O 29,2 — M. G. 384.
  - 1) **Perlatin** (*J. pr.* [2] **57**, 412).
  - C 63,0 — H 5,0 — O 32,0 — M. G. 400.
  - 1) **Rufin** (A. **30**, 198; **33**, 226; **156**, 7). — **III**, 601.
  - 2) **Tetramethylätheracetat d. Quercetin.** Sm. 167—169° (M. **5**, 86; **9**, 540). — **III**, 604.
  - 3) **Acetat d. Morintetramethyläther.** Sm. 167° (Soc. **69**, 797). — **III**, 683.
  - 4) **Triacetat d. Phloretin.** Sm. 93,5—94,5° (B. **27**, 2687; siehe auch B. **28**, 1394).
  - 5) **Narceonsäure.** Sm. 208—209°. Ag (A. **277**, 56; **286**, 253). — **II**, 2082.
  - 6) **Verbindung** (aus Katechin) (*Bl.* **4**, 8). — **III**, 687.

**C<sub>21</sub>H<sub>20</sub>O<sub>5</sub>**

    - C 60,6 — H 4,8 — O 34,6 — M. G. 416.
    - 1) **Frangulin + ½H<sub>2</sub>O.** Sm. 226° (A. **104**, 77; **165**, 230; B. **9**, 1775; **21** [2] 842; Soc. **57**, 44; **61**, 1). — **III**, 455.
    - 2) **Katechin + 5H<sub>2</sub>O** (oder C<sub>15</sub>H<sub>20</sub>O<sub>5</sub>). Sm. 217°. Lit. bedeutend. — **III**, 685.
    - 3) **Rubiadiinglykosid.** Sm. 270° u. Zers. Ba (Soc. **63**, 969). — **III**, 607.
    - C 58,3 — H 4,6 — O 37,0 — M. G. 432.
    - 1) **Cariganantraubnenfarbstoff** (*J. 1858*, 476). — **III**, 673.
    - 2) **Polygonin.** Sm. 202—203° (Soc. **67**, 1085). — **III**, 455.
    - 3) **Verbindung** (aus Katechin). Sm. unter 100° (*Bl.* **4**, 8). — **III**, 686.
    - 4) **Gerbstoff** (aus d. Weichselkirschenbaumrinde) + ½H<sub>2</sub>O (Z. **1870**, 181). — **III**, 689.
    - 5) **Verbindung** (Weintraubenfarbstoff) (*Bl.* **32**, 104; [3] **7**, 823; *J. 1858*, 476). C 84,0 — H 6,7 — N 9,3 — M. G. 300.
    - 1) **α-Phenylimido-α-Methylbenzylamido-α-Phenylmethan.** Sm. 67° (A. **273**, 7; B. **30**, 1787). — **IV**, 843.
    - 2) **α-Benzylimido-α-Methylphenylamido-α-Phenylmethan.** Sm. 90,6° (A. **273**, 5; B. **30**, 1787). — **IV**, 843.
    - 3) **α-[4-Methylphenyl]imido-α-[4-Methylphenyl]amido-α-Phenylmethan.** Sm. 131°. HCl, (2HCl, PtCl<sub>4</sub>) (A. **184**, 357; B. **19**, 981). — **IV**, 844.
    - 4) **1,4-Di[4-Methylphenylimido]-2-Methyl-1,4-Dihydrobenzol.** Sm. 145—146° (B. **26**, 2781). — **III**, 357.
    - 5) **β-Phenylhydrazon-γ-Diphenylpropan.** Sm. 120° (126—128°) (A. **248**, 112; **284**, 255). — **IV**, 777.
    - 6) **1,2,3-Triphenyltetrahydroimidazol** (Benzylidenäthylenanilin). Sm. 137° (B. **20**, 732). — **III**, 30.
    - 7) **5-Methyl-2,3-[Methyliosopropylbiphenyl]-1,4-Diazin** (Methyliosopropylphenanthrenmethyliquinazin). Sm. 143—144°. (2HCl, PtCl<sub>4</sub> + ½H<sub>2</sub>O) (Soc. **63**, 1291). — **IV**, 1065.
    - 8) **5-Methyl-2-Phenyl-1-[4-Methylphenyl]-2,3-Dihydrobenzimidazol.** Sm. 156°. (2HCl, PtCl<sub>4</sub>), (HCl, AuCl) (B. **23**, 3800). — **IV**, 935.
    - 9) **α-Base** (aus Hydrobenzanilid). Sm. 110°. (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O), Oxalat (A. **112**, 170; **122**, 321). — **III**, 21.
    - 10) **β-Base** (aus Hydrobenzanilid). Sm. 200° (190°). (2HCl, PtCl<sub>4</sub>) (A. **112**, 170; **122**, 322). — **III**, 21.  
C 70,8 — H 6,1 — N 17,1 — M. G. 328.
    - 1) **αβ-Di[Phenylhydrazon]-α-Phenylpropan.** Sm. 104—105° (B. **22**, 2129). — **IV**, 783.
    - 2) **αβ-Di[Phenylhydrazon]-α-[4-Methylphenyl]äthan.** Sm. 145° (B. **22**, 2561). — **IV**, 762.
    - 3) **III-2,4-Dimethylformazylibenzol.** Sm. 137° (B. **31**, 1756).
    - 4) **α-[4-Methylphenyl]azo-α-[4-Methylphenyl]hydrazeno-α-Phenylmethan.** Sm. 166° (B. **27**, 1691). — **IV**, 1261.
    - 5) **Diamidoamarin.** 3HCl, (3HCl, PtCl<sub>4</sub>) (B. **18**, 1675). — **III**, 23.
    - 6) **Hydrocyanrossanilin.** HCl, (2HCl, PtCl<sub>4</sub>), Pikrat (Z. **1866**, 2). — **II**, 1091.
    - 7) **Dibensenz-2,4-Diamido-1-Methylbenzol.** (2HCl, PtCl<sub>4</sub>) (B. **11**, 1759). — **IV**, 1299.
    - 8) **o-Tolusafranin.** HCl, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub>, Pikrat (B. **5**, 526; **10**, 874; **11**, 1772; **13**, 207). — **IV**, 1299.
    - C 70,8 — H 5,6 — N 23,6 — M. G. 356.
    - 1) **αβγ-Tri[Phenylhydrazon]propan.** Sm. 166° (B. **24**, 3258). — **IV**, 762.

- C<sub>21</sub>H<sub>20</sub>N<sub>6</sub>**
- 2)  $\alpha$ -Phenylazo- $\alpha\beta$ -Di[Phenylhydrazone]propan. Sm. 165° u. Zers. (B. 25, 3542). — IV, 1229.
  - 1) Dibenzyläther d. Dimerkaptomethylbenzol. Sm. 64° (B. 28, 1111). — III, 9.
- C<sub>21</sub>H<sub>20</sub>S<sub>2</sub>**
- 1) Triphenyläther d.  $\alpha\beta\gamma$ -Trimerkaptopropan. Sm. 54—55° (B. 24, 170). — II, 792.
- C<sub>21</sub>H<sub>20</sub>O<sub>8</sub>**
- 1) Harz (aus Polisanderholz) = (C<sub>21</sub>H<sub>20</sub>O<sub>8</sub>)<sub>n</sub>. Sm. 95° (Bl. 33, 435). — III, 561. C 87,8 — H 7,3 — N 4,9 — M. G. 237.
- C<sub>21</sub>H<sub>20</sub>N**
- 1)  $\alpha$ -Dimethylamidotriphenylmethan. Sm. 97° (2HCl, PtCl<sub>4</sub>) (B. 17, 746). — II, 642.
  - 2)  $\beta$ -Dimethylamidotriphenylmethan. Sm. 132°. HCl, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> (A. 187, 211; 206, 114). — II, 641.
  - 3) Tribenzylamin. Sm. 91,3°. HCl (2HCl, PtCl<sub>4</sub>), HBr, HJ, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, + Al(SO<sub>4</sub>)<sub>2</sub> + 12H<sub>2</sub>O (J. 1856, 581; 1878, 476; A. 144, 307; 151, 306; 264, 195; B. 6, 678; 18, 2342; 19, 900, 1030; Soc. 63, 1314). — II, 521.
  - 4) Dibenzyl[2-Methylphenyl]amin. Sm. 54,5—55°. HCl, (2HCl, PtCl<sub>4</sub>) (A. Spt. 4, 80). — II, 521.
  - 5) 3, 5 - Di[2-Methylbenzyl]pyridin. Sm. 40,5°. HCl, (2HCl, PtCl<sub>4</sub>), Pikrat (A. 280, 83). — IV, 457.
  - 6) 3, 5 - Di[3-Methylbenzyl]pyridin. Sm. 66—66,5°. HCl, (2HCl, PtCl<sub>4</sub> + 2 $\frac{1}{2}$ H<sub>2</sub>O), Pikrat (A. 280, 79). — IV, 457.
  - 7) 3, 5 - Di[4-Methylbenzyl]pyridin. Sm. 108,5°. HCl, (2HCl, PtCl<sub>4</sub>), Pikrat (A. 280, 74). — IV, 457.
  - 8) 2, 6-Di[ $\beta$ -Phenyläthyl]pyridin. Sm. 153°. (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O), Pikrat (B. 25, 2404). — IV, 457.
- C<sub>21</sub>H<sub>20</sub>N<sub>5</sub>**
- C 80,0 — H 6,7 — N 13,3 — M. G. 315.
  - 1) 5-Amido-1, 4-Di[4-Methylphenylimido]-2-Methyl-1, 4-Dihydrobenzol. Sm. 227°. HCl (A. 207, 102; Soc. 37, 546; B. 17, 2440; 26, 2774, 2780; J. r. 19, 111). — III, 559.
  - 2) Phenylid[2-Methylphenyl]guanidin. Sm. 97—98° (102°; 112°). HCl, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> (B. 19, 2411, 2412; A. 286, 362). — II, 459.
  - 3) uns-Phenylid[4-Methylphenyl]guanidin. HCl (B. 14, 1488). — II, 489.
  - 4) 1-[Benzyl-4-Methylphenyl]amido-4-Methyldiazobenzol. Sm. 114° (Soc. 53, 672). — IV, 1569.
  - 5) 1, 3, 5-Triphenylhexahydro-1, 3, 5-Triazin (Anhydroformaldehydanilin). Sm. 143° (104°—141°). (2HCl, PtCl<sub>4</sub>) (B. 17, 657; 18, 3309; 25, 2765; 31, 3251; J. r. 17, 237; G. 14, 351; Bl. [3] 13, 412). — II, 442.
  - 6) 2-Phenyl-3-[2-Amidobenzyl]-1, 2, 3, 4-Tetrahydro-1, 3-Benzodiazin. Sm. 140° (J. pr. [2] 55, 389). — IV, 637.
  - 7) Chrysotoluidin (Z. 1867, 19). — IV, 1210.
  - 8) Base (aus p-Ditolytriamidotoluol). 3HCl + H<sub>2</sub>O (J. r. 19, 143). — IV, 1129.
  - 9) Verbindung (aus Dibenzylamin). HCl (Sm. 162—163°) (A. 151, 136). — II, 523.
- C<sub>21</sub>H<sub>20</sub>N<sub>5</sub>**
- C 73,4 — H 6,1 — N 20,4 — M. G. 343.
  - 1) Bis-4-Diazomethylbenzol-4-Toluid. Zers. bei 88° (B. 27, 705, 1863, 2599; 29, 460).
  - C 63,1 — H 5,3 — N 31,6 — M. G. 399.
  - 1) Anilylmalamin (B. 19, 2060). — IV, 743.
- C<sub>21</sub>H<sub>21</sub>P**
- 1) Tribenzyphosphin. — IV, 1665.
- C<sub>21</sub>H<sub>21</sub>As**
- 1) Tribenzyllarsin. Sm. 104°. + HgCl<sub>2</sub> (A. 233, 62). — IV, 1690.
  - 2) Tri[4-Methylphenyl]arsin. Sm. 145° (A. 201, 252; 208, 26). — IV, 1692.
- C<sub>21</sub>H<sub>21</sub>Bi**
- 1) Wismuthtri[2-Methylphenyl]. Sm. 128,5° (B. 30, 2846). — IV, 1698.
  - 2) Wismuthtri[4-Methylphenyl]. Sm. 120° (A. 251, 331). — IV, 1699.
- C<sub>21</sub>H<sub>21</sub>Sb**
- 1) Antimontri[2-Methylphenyl]. Sm. 79—80°. + HgCl<sub>2</sub> (A. 242, 176). — IV, 1696.
  - 2) Antimontri[3-Methylphenyl]. Sm. 67—68°. + HgCl<sub>2</sub> (A. 242, 184). — IV, 1696.
  - 3) Antimontri[4-Methylphenyl]. Sm. 127—128°. + HgCl<sub>2</sub> (A. 242, 167). — IV, 1697.
  - 4) Antimontri[o-p-Methylphenyl]. Sm. 112—113°. + HgCl<sub>2</sub> (A. 242, 177). — IV, 1697.
- C<sub>21</sub>H<sub>20</sub>O<sub>8</sub>**
- C 78,3 — H 6,8 — O 14,9 — M. G. 322.
  - 1) Diäthyläther d.  $\epsilon$ -Keto- $\alpha$ -Phenyl- $\epsilon$ -[2, 4-Dioxyphenyl]- $\alpha\gamma$ -Pentadien (D. d. Cinnamylidenresacetophenon). Sm. 125° (B. 30, 2950 Anm.).

- C<sub>21</sub>H<sub>22</sub>O<sub>3</sub>** 2) Verbindung (aus d. Isoamyloxanthranolchlorid). Sm. 73° (A. **212**, 90). — **III**, 244.
- C<sub>21</sub>H<sub>22</sub>O<sub>4</sub>** C 74,6 — H 6,5 — O 18,9 — M. G. 338.
- 1)  $\beta$ -Amylather d.  $\alpha\beta$ -Dioxy- $\gamma\delta$ -Diketo- $\alpha\delta$ -Diphenyl- $\alpha$ -Buten. (B. **27**, 716). — **III**, 317.
  - 2) Monäthylester d.  $\alpha$ -Phenyl- $\beta$ -Benzyl- $\alpha$ -Buten- $\gamma\delta$ -Dicarbonsäure. Sm. 127,5—129°. Ba (B. **28**, 3194; A. **308**, 175).
  - 3) Diäthylester d.  $\alpha\alpha$ -Diphenylpropen- $\beta\gamma$ -Dicarbonsäure (D. d. Diphenylitaksonsäure). Sm. 44—45° (B. **30**, 94).
- C<sub>21</sub>H<sub>22</sub>O<sub>5</sub>** C 71,2 — H 6,2 — O 22,6 — M. G. 354.
- 1) Columbosäure + H<sub>2</sub>O (A. **69**, 47). — **III**, 629.
  - 2) Säure (aus d. Steroopen C<sub>21</sub>H<sub>22</sub>O<sub>5</sub>) (J. **1854**, 590). — **III**, 58.
- C<sub>21</sub>H<sub>22</sub>O<sub>6</sub>** C 68,1 — H 5,9 — O 26,0 — M. G. 370.
- 1) Triäthyläther d. Luteolin. Sm. 140—143° (131—132°) (Soc. **69**, 800; M. **17**, 424). — **III**, 585.
  - 2) Monacetat d. Brasilintrimethyläther. Sm. 172—173° (Sm. 80—90° amorph) (B. **27**, 525; M. **15**, 140; **16**, 913). — **III**, 653.
  - 3) Diphenylglycerintriacetat. Fl. (B. **19**, 65). — **II**, 662.
  - 4) Colombosäure (C. **1896** [1] 375).
  - 5) Triacetat d. Hydrolapachosäure. Sm. 139° (G. **10**, 604). — **II**, 1028.
- C<sub>21</sub>H<sub>22</sub>O<sub>7</sub>** C 65,3 — H 5,7 — O 29,0 — M. G. 386.
- 1) Columbin. Sm. 182° (P. **19**, 441; Berz. J. **11**, 288; A. **69**, 37; B. **12**, 685). — **III**, 629.
  - 2) Guajacinsäure. Sm. bei 200° (C. **1897** [1] 167).
- C<sub>21</sub>H<sub>22</sub>O<sub>8</sub>** C 62,7 — H 5,5 — O 31,8 — M. G. 402.
- 1)  $\beta$ -Salysäure. Sm. 94—95%. Ag. (A. *Spl.* **7**, 162). — **III**, 78.
  - 2) Diacetat d. 3,4,2',4',6'-Pentaoxodiphenylketondimethylätheräthyläther. Sm. 118° (B. **25**, 1137). — **III**, 208.
- C<sub>21</sub>H<sub>22</sub>O<sub>9</sub>** C 60,3 — H 5,3 — O 34,4 — M. G. 418.
- 1) Chrysotoxin (C. **1897** [1] 1059).
  - 2) Triacetat d.  $\alpha$ -Hexaoxybiphenyltrimethyläther (A. **169**, 248). — **II**, 1041.
- C<sub>21</sub>H<sub>22</sub>O<sub>10</sub>** C 58,1 — H 5,0 — O 36,9 — M. G. 434.
- 1) Hämatomminäsäure. Sm. 146—147° (A. **288**, 46; B. **30**, 360). — **II**, 2038.
- C<sub>21</sub>H<sub>22</sub>O<sub>12</sub>** C 54,1 — H 4,7 — O 41,2 — M. G. 466.
- 1) Quercitrin + 2H<sub>2</sub>O. Sm. 168° u. Zers. K (J. **1859**, 522, 585; **1862**, 499; **1868**, 801; A. **37**, 101; **90**, 287; **112**, 96; A. *Spl.* **1**, 266; B. **12**, 1178; Soc. **53**, 264). — **III**, 602.
- C<sub>21</sub>H<sub>22</sub>N<sub>2</sub>** C 83,4 — H 7,3 — N 9,3 — M. G. 302.
- 1) 2,5-Di[4-Methylphenylamido]-1-Methylbenzol. Sm. 112—113° (B. **26**, 2781). — **IV**, 609.
  - 2) 3,5-Di[Methylphenylamido]-1-Methylbenzol. Sm. 124° (J. pr. [2] **33**, 546). — **IV**, 625.
  - 3) 4-Amido-4'-Dimethylamidotriphenylmethan. Sm. 117—118°. 2 Pikrat (B. **30**, 1140).
  - 4) 2',2'-Diamido-3',3'-Dimethyltrifenylymethan? Sm. unterh. 100°. (2HCl, PtCl<sub>4</sub>) (J. pr. [2] **36**, 252). — **IV**, 1046.
  - 5) 6',6'-Diamido-3',3'-Dimethyltrifenylymethan. Sm. 185—186°. Sd. 427—433° u. ger. Zers. + C<sub>6</sub>H<sub>6</sub> · 2HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub>, Pikrat (J. pr. [2] **36**, 255). — **IV**, 1047.
  - 6) 1-Phenylhydrazon-2-Benzyliden-3,5-Dimethyl-1,2,3,4-Tetrahydrobenzol. Sm. 180° (181°) (G. **23** [1] 574; A. **281**, 119). — **IV**, 775.
  - 7) 6-Methyl-2,3-[*p*-Methylisopropyl]biphenylen-1,4-Dihydro-1,4-Diazin. Sm. 83—85° (Soc. **63**, 1291). — **IV**, 1048.
- C<sub>21</sub>H<sub>22</sub>N<sub>4</sub>** C 76,4 — H 6,6 — N 17,0 — M. G. 330.
- 1)  $\alpha$ -Phenylhydrazon- $\alpha\alpha$ -Di[4-Methylphenylamido]methan. Sm. 138°. (2HCl, PtCl<sub>4</sub>) (B. **21**, 2274). — **IV**, 1225.
- C<sub>21</sub>H<sub>23</sub>N<sub>3</sub>** C 79,5 — H 7,3 — N 13,2 — M. G. 317.
- 1) 3',5',5"-Triamido-2',2"-Dimethyltrifenylymethan. 3HCl, (6HCl, PtCl<sub>4</sub>) (B. **21**, 3211). — **IV**, 1198.
  - 2) 2',2",4"-Triamido-3',3"-Dimethyltrifenylymethan? (B. **15**, 679). — **IV**, 1198.
  - 3) 4-Amido-2,5-Di[4-Methylphenylamido]-1-Methylbenzol. Sm. 165 bis 166° (A. **207**, 107; B. **17**, 2440; **26**, 2777). — **IV**, 1128.

- C<sub>21</sub>H<sub>32</sub>N<sub>2</sub>** 4) 2,2'-Diamidotribenzylamin. Sm. 143° (B. 26, 2587). — IV, 628.  
 5) 4-Methylphenyldi(2-Amidobenzyl)amin. Sm. 145°. 3HCl + 3H<sub>2</sub>O, (6 HCl, SnCl<sub>4</sub>, 3 H<sub>2</sub>SO<sub>4</sub> + 4 H<sub>2</sub>O (B. 25, 3585). — IV, 628.  
 6) 2-Hexyl-4,6-Diphenyl-1,3,5-Triazin. Sm. 44°; Sd. 265°<sub>15</sub> (2 HCl, PtCl<sub>4</sub>) (B. 22, 808). — IV, 1198.  
**C<sub>21</sub>H<sub>34</sub>O<sub>2</sub>** C 81,7 — H 7,8 — O 10,4 — M. G. 308.  
 1)  $\alpha$ -Diketo- $\alpha$ -Diphenylnonan. Sm. 44° (C. 1896 [2] 1091).  
 2)  $\alpha\gamma$ -Diketo- $\alpha\gamma$ -Di[2,4,6-Trimethylphenyl]propan. Sm. 96—97° (Bl. [3] 9, 702). — III, 302.  
 3)  $\alpha\alpha$ -Di[4-Aethylbenzoyl]propan. Sm. 88—89° (A. ch. [6] 22, 353). — III, 302.  
 4) 3,5-Diethyl-2,6-Diphenyltetrahydro-1,4-Pyron. Sd. oberh. 220° (B. 30, 2282).  
**C<sub>21</sub>H<sub>34</sub>O<sub>4</sub>** C 74,1 — H 7,1 — O 18,8 — M. G. 340.  
 1)  $\alpha\gamma$ -Diphenylheptan- $\beta$ -Dicarbonsäure (Dibenzylpicinsäure). Sm. 120°. Ba + 3H<sub>2</sub>O (Soc. 59, 846; 61, 702). — II, 1895.  
 2) Dimethylester d.  $\alpha\gamma$ -Di[3-Methylphenyl]propan- $\beta$ -Dicarbonsäure. Sm. 122° (B. 23, 109). — II, 1894.  
 3) Diäthylester d.  $\alpha\gamma$ -Diphenylpropan- $\beta$ -Dicarbonsäure (D. d. Diphenylmalonsäure). Sm. 13—14°; Sd. 250°<sub>10</sub> (256—257°<sub>10</sub>) (Soc. 47, 821; A. 239, 97; B. 20, 439; R. 6, 88). — II, 1893.  
 4) Dibenzylester d.  $\beta$ -Methylbutan- $\alpha\delta$ -Dicarbonsäure. Sd. 300—320° (Bl. [3] 13, 825).  
 5) Propionat d. Ostruthin. Sm. 99—100°. — III, 639.  
**C<sub>21</sub>H<sub>34</sub>O<sub>5</sub>** C 70,8 — H 6,7 — O 22,5 — M. G. 356.  
 1) Diäthylester d. 4-Keto-6-Methyl-2-[ $\beta$ -Phenyläthenyl]-1,2,3,4-Tetrahydrobenzol-1,3-Dicarbonsäure. Sm. 127° (A. 281, 92). — II, 1974.  
**C<sub>21</sub>H<sub>34</sub>O<sub>6</sub>** C 67,8 — H 6,4 — O 25,8 — M. G. 372.  
 1) Phillygenin (A. 118, 127). — III, 600.  
 2) Dimethyläther d. Pinoresinol. Sm. 98° (M. 15, 514; 18, 486). — III, 563.  
 3) Pentamethyläther d. Hämatoxylan. Sm. 144—147° (M. 15, 143). — III, 664.  
**C<sub>21</sub>H<sub>34</sub>O<sub>7</sub>** C 65,0 — H 6,2 — O 28,8 — M. G. 388.  
 1) Albopannin. Sm. 147° (C. 1897 [1] 660).  
 2) Columbin (C. 1898 [1] 375).  
 3) Dibenzylidenperseit. Erweicht bei 219° (A. ch. [6] 19, 16). — III, 9.  
**C<sub>21</sub>H<sub>34</sub>O<sub>8</sub>** C 62,4 — H 5,9 — O 31,7 — M. G. 404.  
 1) Verbindung (aus Esparo) (Soc. 38, 668). — I, 1080.  
**C<sub>21</sub>H<sub>34</sub>O<sub>9</sub>** C 60,0 — H 5,7 — O 34,3 — M. G. 420.  
 1) Glycophyllin + 3(4 $\frac{1}{2}$ )H<sub>2</sub>O. Sm. 175—180° (Soc. 39, 237; 49, 857). — III, 591.  
**C<sub>21</sub>H<sub>34</sub>O<sub>10</sub>** C 57,8 — H 5,5 — O 36,7 — M. G. 436.  
 1)  $\beta$ -Erythrin + H<sub>2</sub>O. Sm. 115—116°. Pb, (A. 134, 245; Bl. 2, 424). — II, 1752.  
 2) Phloridzin + 2H<sub>2</sub>O. Sm. 108—109°. 2 + 3CaO + H<sub>2</sub>O, 4 + 5BaO, + 3PbO (A. 15, 75, 258; 30, 192; 156, 1; 176, 116; B. 14, 303; 21, 988; Fr. 15, 28; Soc. 51, 636; C. 1898 [1] 347). — III, 600.  
 3) Isophloridzin. Sm. 105° (Z. 1868, 711). — III, 601.  
**C<sub>21</sub>H<sub>34</sub>O<sub>11</sub>** C 55,8 — H 5,9 — O 38,9 — M. G. 452.  
 1) Datiscin + 2H<sub>2</sub>O. Sm. 180° (A. 98, 167; 277, 266). — III, 580.  
 2) Teucrin. Sm. 228—230° (B. 12, 296; G. 13, 498). — III, 613.  
 3) Tetracetylhelicin (A. 154, 22). — III, 68.  
**C<sub>21</sub>H<sub>34</sub>N<sub>4</sub>** C 75,9 — H 7,2 — N 16,9 — M. G. 332.  
 1) Tri[4-Amidobenzyl]amin. Sm. 136° (B. 6, 1061). — IV, 639.  
**C<sub>21</sub>H<sub>36</sub>O** C 85,7 — H 8,8 — O 5,4 — M. G. 294.  
 1) 4-Oktyldiphenylketon. Sd. 104—110°<sub>15</sub> (B. 31, 939).  
 2) Di[5-Methyl-2-Isopropylphenyl]keton? Sd. 220°<sub>15</sub> (C. 1896 [2] 92).  
**C<sub>21</sub>H<sub>36</sub>O<sub>2</sub>** C 81,3 — H 8,4 — O 10,3 — M. G. 310.  
 1) Cannabinol. Sd. 285°<sub>10</sub> (Soc. 69, 544; 73, 20, 27). — III, 621.  
**C<sub>21</sub>H<sub>36</sub>O<sub>3</sub>** C 77,3 — H 8,0 — O 14,7 — M. G. 326.  
 1) Di[3-Methyl-6-Isopropylphenylester] d. Kohlensäure. Sm. 60° (48%) (J. pr. [2] 27, 505; B. 19, 2288). — II, 771.

- C<sub>21</sub>H<sub>26</sub>O<sub>4</sub>** C 73,7 — H 7,6 — O 18,7 — M. G. 342.  
 1) **Methyläther d. Bidurochinon.** Sm. 126° (B. 29, 2182).
- C<sub>21</sub>H<sub>26</sub>O<sub>5</sub>** C 70,4 — H 7,3 — O 22,3 — M. G. 358.  
 1) **Tetraäthyläther d. 2,5,2',6'-Tetraoxydiphenylketon.** Sm. 93—95° (M. 13, 414). — III, 205.
- C<sub>21</sub>H<sub>26</sub>O<sub>6</sub>** C 67,4 — H 6,9 — O 23,7 — M. G. 374.  
 1) **Dikthylester d. β,β'-Diketo-β-[β-Phenyläthenyl]heptan-γ,ε-Dicarbon-säure.** Sm. 160—161° (A. 281, 91). — II, 2021.  
 2) **Verbindung (aus Acetessigsäureäthylester).** Sm. 160—161° (G. 19, 213). — I, 593.  
 3) **Verbindung (aus Tiglinaldehyd, Guajakol u. Dimethylpyrogallol)** (C. 1897 [1] 168).  
**C<sub>21</sub>H<sub>26</sub>O<sub>7</sub>** C 64,6 — H 6,7 — O 28,7 — M. G. 390.  
 1) **Flavopannin.** Sm. 151° (C. 1897 [1] 660).
- C<sub>21</sub>H<sub>26</sub>O<sub>11</sub>** C 55,5 — H 5,7 — O 38,8 — M. G. 454.  
 1) **Naringin (Aurantiin; Hesperidin) + H<sub>2</sub>O.** Sm. 171° (B. 9, 691; 18, 1313; 20, 294; J. 1879, 909). — III, 594.  
 2) **Tetracetat d. Salicin.** Sm. 130° (J. 1866, 676; A. 154, 9; C. 1897 [2] 1075). — III, 608.
- C<sub>21</sub>H<sub>26</sub>N<sub>2</sub>** C 82,4 — H 8,5 — N 9,1 — M. G. 306.  
 1) **Di[4-Isobutylphenylimido]methan.** Sm. 189° (B. 17, 1242). — II, 557.
- C<sub>21</sub>H<sub>27</sub>N<sub>3</sub>** 2) **Strychnolin + 2H<sub>2</sub>O.** Sm. 175—178° (A. 301, 324).  
 C 78,5 — H 8,4 — N 13,1 — M. G. 321.
- C<sub>21</sub>H<sub>28</sub>O<sub>2</sub>** 1) **7-Methyl-3-Hexyl-2-[4-Methylphenyl]-2,3-Dihydro-1,2,4-Benzotriazin.** Sm. 165°. HCl, (2HCl, PtCl<sub>4</sub>) (B. 24, 1010). — IV, 1152.  
 C 80,8 — H 9,0 — O 10,2 — M. G. 312.
- C<sub>21</sub>H<sub>28</sub>O<sub>3</sub>** 1) **Diphenyläther d. α,α-Dioxynonan.** Sm. 62° (C. 1899 [1] 26).  
 2) **Di[3-Methyl-6-Isopropylphenyläther] d. Dioxymethan.** Sm. 50°; Sd. oberh. 360° (A. 240, 203). — II, 770.
- C<sub>21</sub>H<sub>28</sub>O<sub>4</sub>** C 51,0 — H 3,6 — O 45,4 — M. G. 494.
- C<sub>21</sub>H<sub>28</sub>O<sub>5</sub>** 1) **Kaffeegerbstärke, siehe C<sub>15</sub>H<sub>18</sub>O<sub>5</sub>.** Pb + 2PbO (C. 1897 [2] 351).  
 C 38,9 — H 4,3 — O 56,8 — M. G. 648.
- C<sub>21</sub>H<sub>28</sub>N<sub>2</sub>** 1) **Glykosecitronensäure.** C<sub>64</sub> + H<sub>2</sub>O (A. ch. [3] 54, 81). — I, 840.  
 C 81,8 — H 9,1 — N 9,1 — M. G. 308.
- C<sub>21</sub>H<sub>29</sub>N<sub>4</sub>** 1) **δ-Phenylhydrazon-β-[2-Methyl-5-Isopropylphenyl]-β-Methylbutan.** Fl. (J. pr. [2] 46, 489). — IV, 773.  
 2) **2-Hexyl-1,3-Diphenyltetrahydroimidazol (Aethylengänthyllidendi-phenyldiamin).** Sm. 79° (B. 20, 734). — II, 445.
- C<sub>21</sub>H<sub>29</sub>N<sub>5</sub>** 3) **Dihydrostrychnolin.** Sm. 129°; Sd. 267—270°. HCl, HNO<sub>3</sub> (A. 301, 326).  
 C 75,0 — H 8,3 — N 16,7 — M. G. 336.
- C<sub>21</sub>H<sub>29</sub>N<sub>4</sub>** 1) **ξ-Di[Phenylhydrazon]-β-Methyloktan.** Sm. 133—134° (G. 28 [2] 278; J. pr. [2] 58, 400).
- C<sub>21</sub>H<sub>29</sub>N<sub>5</sub>** C 78,0 — H 9,0 — N 13,0 — M. G. 323.  
 1) **Di[4-Isobutylphenyl]guanidin.** Sm. 173°. (2HCl, PtCl<sub>4</sub>) (B. 17, 1240). — II, 557.
- C<sub>21</sub>H<sub>30</sub>O<sub>2</sub>** C 80,2 — H 9,6 — O 10,2 — M. G. 314.  
 1) **Cordol.** Fl. Pb (A. 63, 154; B. 15, 141). — III, 625.
- C<sub>21</sub>H<sub>30</sub>O<sub>5</sub>** C 69,6 — H 8,3 — O 22,1 — M. G. 362.
- C<sub>21</sub>H<sub>30</sub>O<sub>6</sub>** 1) **Antiariogenin.** Sm. bei 180° (C. 1898 [2] 591). — III, 570.  
 C 66,7 — H 7,9 — O 25,4 — M. G. 378.
- C<sub>21</sub>H<sub>30</sub>O<sub>9</sub>** 1) **Argyräsetin (J. 1862, 490; 1867, 751).** — III, 572.  
 C 59,1 — H 7,0 — O 33,8 — M. G. 426.
- C<sub>21</sub>H<sub>30</sub>O<sub>9</sub>** 1) **Polystichinol.** Sm. 156,7° (C. 1898 [2] 1104).  
 C 49,8 — H 5,9 — O 44,3 — M. G. 506.
- C<sub>21</sub>H<sub>30</sub>O<sub>14</sub>** 1) **Heptacetat d. α-Glykoheptit.** Sm. 113—115° (A. 270, 82).  
 2) **Heptacetat d. Perselt.** Sm. 119° (A. ch. [6] 19, 12). — I, 418.
- C<sub>21</sub>H<sub>32</sub>O<sub>2</sub>** 1) **Methylester d. Dextropimarsäure.** Sm. 69° (B. 19, 2171). — II, 1437.  
 2) **Aethylester d. Abietinsäure (Z. 1866, 33).** — II, 1436.  
 C 79,8 — H 10,1 — O 10,1 — M. G. 316.
- C<sub>21</sub>H<sub>32</sub>O<sub>3</sub>** 1) **Myristinbenzolecarbonsäureanhydrid.** Sm. 38° (A. 91, 104). — II, 1158.  
 2) **Methylester d. Camphanoncamphersäure.** Sm. 94—95° (G. 27 [1] 189).  
 C 75,9 — H 9,6 — O 14,5 — M. G. 332.

- C<sub>21</sub>H<sub>33</sub>O<sub>4</sub>** C 72,4 — H 9,2 — O 18,4 — M. G. 348.  
 1)  $\beta$ -Digitoxenin (*B. 28* [2] 1058).  
 2) Benzyloxyxymyristinsäure. Sm. 68°. Ag (*B. 14*, 2482). — II, 1154.  
 3) Säure (aus Campherylmalonsäurediäthylester). Sm. 224° (*A. 257*, 299). — II, 2041.  
**C<sub>21</sub>H<sub>33</sub>O<sub>7</sub>** C 63,6 — H 8,1 — O 28,3 — M. G. 396.  
 1) Oxyheptinsäure. Sm. 185° (*A. ch. [5] 20*, 493).  
**C<sub>21</sub>H<sub>33</sub>O<sub>8</sub>** C 61,2 — H 7,8 — O 31,0 — M. G. 412.  
 1) Tetraäthylester d.  $\alpha\beta$ -Nonadien- $\delta\delta\gamma\gamma$ -Tetracarbonsäure (Tr. d. Di-allyldicarboxylglutarsäure). Sm. 30—31°; Sd. 213—215° (*A. 256*, 191). — I, 867.  
**C<sub>21</sub>H<sub>33</sub>O<sub>12</sub>** C 52,9 — H 6,7 — O 40,3 — M. G. 476.  
 1) Hexaäthylester d. Propan- $\alpha\beta\gamma\gamma$ -Hexacarbonsäure. Sd. 230—240°, (*B. 29*, 1277, 1278; *Soc. 73*, 1013).  
**C<sub>21</sub>H<sub>33</sub>O** 1) Harz (aus Doona zeylanica) = (C<sub>21</sub>H<sub>33</sub>O)<sub>n</sub> (*M. 12*, 102). — III, 555.  
**C<sub>21</sub>H<sub>33</sub>O<sub>9</sub>** 1) Digitalin = (C<sub>21</sub>H<sub>33</sub>O)<sub>n</sub> (*J. 1875*, 776, 777). — III, 581.  
**C<sub>21</sub>H<sub>33</sub>O** C 83,5 — H 11,2 — O 5,3 — M. G. 302.  
 1)  $\alpha$ -Methyläther d. Oxycampherpinakonan. Sm. 98° (*B. 27*, 2349; *A. 292*, 8).  
 2)  $\beta$ -Methyläther d. Oxycampherpinakonan. Sm. 67° (*B. 27*, 2349; *A. 292*, 10).  
**C<sub>21</sub>H<sub>34</sub>O<sub>2</sub>** C 79,2 — H 10,7 — O 10,1 — M. G. 318.  
 1) 4-Methylphenylester d. Myristinsäure. Sm. 39°; Sd. 239,5° (*B. 17*, 1379). — II, 749.  
**C<sub>21</sub>H<sub>34</sub>O<sub>8</sub>** C 75,4 — H 10,2 — O 14,4 — M. G. 334.  
 1) Carbonat d. d-Borneol. Sm. 215° (*Bl. 37*, 410). — III, 470.  
 2) Carbonat d. l-Borneol. Sm. 220—227° (*Bl. 41*, 329). — III, 472.  
**C<sub>21</sub>H<sub>34</sub>O<sub>7</sub>** C 63,3 — H 8,5 — O 28,1 — M. G. 398.  
 1) Tetraäthylether d. Salicin. Fl. (*J. 1866*, 676; *A. 154*, 14). — III, 608.  
**C<sub>21</sub>H<sub>34</sub>N<sub>2</sub>** C 80,3 — H 10,8 — N 8,9 — M. G. 314.  
 1) 2,4-Di(Oenanthyldenamido)-l-Methylbenzol. Fl. (*A. 140*, 97; *253*, 319). — IV, 607.  
**C<sub>21</sub>H<sub>35</sub>O<sub>7</sub>** 1) Bryoretin = (C<sub>21</sub>H<sub>35</sub>O)<sub>n</sub> (*J. 1858*, 522). — III, 573.  
**C<sub>21</sub>H<sub>35</sub>O<sub>2</sub>** C 78,8 — H 11,2 — O 10,0 — M. G. 320.  
 1) Methylenäther d. d-Borneol. Sm. 167—168°; Sd. 150—160° (*B. 24*, 3379). — III, 470.  
 2) Methylenäther d. Isoborneol. Sm. 167° (*J. pr. [2] 49*, 10).  
**C<sub>21</sub>H<sub>36</sub>O<sub>4</sub>** C 71,6 — H 10,2 — O 18,2 — M. G. 352.  
 1) Aethylester d. Lichesterinsäure. Sm. 60° (*C. 1898* [2] 964).  
**C<sub>21</sub>H<sub>36</sub>O<sub>6</sub>** C 65,6 — H 9,4 — O 25,0 — M. G. 384.  
 1) Bangiformsäure + 2H<sub>2</sub>O oder C<sub>21</sub>H<sub>34</sub>O<sub>6</sub>. Sm. 84° (102° wasserfrei). K<sub>2</sub>Ca + 1/2H<sub>2</sub>O, Ba + 2H<sub>2</sub>O, Pb + 2H<sub>2</sub>O, Cu + 1/2H<sub>2</sub>O, Ag<sub>2</sub> (*G. 12*, 259; *J. pr. [2] 57*, 275). — I, 625.  
**C<sub>21</sub>H<sub>36</sub>O<sub>5</sub>** C 60,6 — H 8,6 — O 30,8 — M. G. 416.  
 1) Norcaperataësure + 2H<sub>2</sub>O. Sm. 138° (wasserfrei). Ba<sub>2</sub> (*J. pr. [2] 57*, 430).  
 2) Tetraäthylester d. Nonan- $\gamma\gamma\gamma\gamma$ -Tetracarbonsäure. Sd. 247° (*Soc. 59*, 833). — I, 862.  
 3) Tetraäthylester d. Nonan- $\delta\delta\gamma\gamma$ -Tetracarbonsäure. Sm. 42°; Sd. 207 bis 208° (*A. 256*, 189). — I, 862.  
 4) Tetraäthylester d.  $\beta$ -Methylheptan- $\gamma\gamma$ -Dicarbonsäure- $\gamma\gamma$ -Dimethylcarbonsäure. Sm. 195° (*B. 31*, 2590).  
**C<sub>21</sub>H<sub>36</sub>N<sub>2</sub>** C 79,8 — H 11,4 — N 8,8 — M. G. 316.  
 1) 2-Diisobutylamidomethyl-l-Piperidylmethylbenzol. Sd. 196—198° (*B. 31*, 425).  
 2) Dianhydrolupinin. Sd. 220°. (2HCl, PtCl<sub>4</sub>) (*A. 214*, 372; *C. 1897* [2] 361). — III, 892.  
**C<sub>21</sub>H<sub>37</sub>O<sub>8</sub>** 1) Hydrobryotin = (C<sub>21</sub>H<sub>37</sub>O)<sub>n</sub> (*J. 1858*, 522). — III, 573.  
**C<sub>21</sub>H<sub>37</sub>O<sub>2</sub>** C 74,6 — H 11,2 — O 14,2 — M. G. 338.  
 1) Carbonat d. Menthol. Sm. 105° (*A. ch. [6] 7*, 469; *J. pr. [2] 56*, 43; *C. 1898* [2] 1190). — III, 467.  
**C<sub>21</sub>H<sub>38</sub>O<sub>6</sub>** C 65,3 — H 9,8 — O 24,9 — M. G. 386.  
 1) Triisoamylester d. Propan- $\alpha\beta\gamma$ -Tricarbonsäure (Tr. d. Tricarballylsäure). Sd. oberfl. 360° (*J. 1865*, 395; *A. 163*, 273). — I, 808.

- C<sub>21</sub>H<sub>40</sub>O** C 81,8 — H 13,0 — O 5,2 — M. G. 308.  
1) **Triönanthaldehyd** (aus Oenanthon). Sd. 315—320°<sub>300</sub> (*Soc. 43*, 71). — I, 962.
- C<sub>21</sub>H<sub>40</sub>O<sub>2</sub>** C 77,8 — H 12,3 — O 9,9 — M. G. 324.  
1) **Lakton** (d. Oxsäure C<sub>21</sub>H<sub>40</sub>O<sub>2</sub> im Carnaubawachs). Sm. 103,5° (*A. 223*, 311). — I, 580.
- C<sub>21</sub>H<sub>40</sub>O<sub>4</sub>** 2) **Aethylester** d. Döglingsäure (*J. 1847* 48, 568). — I, 527.  
C 70,8 — H 11,2 — O 18,0 — M. G. 356.
- C<sub>21</sub>H<sub>40</sub>O<sub>6</sub>** 1) **Nonadekan- $\alpha$ -Dicarbonsäure**. Sm. 109—110° (*M. 17*, 544).  
2) **Diäthylester** d. Roscellinsäure (*A. 117*, 340). — I, 690.  
3) **Glycerinmonolein** (*A. ch. [3] 41*, 244). — I, 526.  
C 77,3 — H 12,9 — O 9,8 — M. G. 326.
- C<sub>21</sub>H<sub>42</sub>O<sub>2</sub>** 1) **Medullinsäure**. Sm. 72,5° (*J. 1860*, 329; *J. pr. [2] 49*, 111).  
2) **Methylester** d. **Arachinsäure**. Sm. 54—54,5° (*A. 101*, 98; *J. pr. [2] 48*, 488). — I, 447.  
3) **Isoamylester** d. **Palmitinsäure**. Sm. 9° (*J. 1853*, 503). — I, 443.  
4)  $\beta$ -**Methylbutylester** d. **Palmitinsäure**. Sm. 12—13° (*Bl. [3] 15*, 285).  
5) **Cetylester** d. **Isovaleriansäure**. Sm. 25°; Sd. 280—290°<sub>300</sub> (*A. 131*, 286). — I, 428.
- C<sub>21</sub>H<sub>42</sub>O<sub>3</sub>** C 73,7 — H 12,3 — O 14,0 — M. G. 342.  
1) **Säure** (aus Carnaubawachs). Pb (*A. 223*, 10). — I, 580.
- C<sub>21</sub>H<sub>42</sub>O<sub>4</sub>** 2) **Methylester** d.  $\alpha$ -Oxyarachinsäure. Sm. 62—64° (*M. 17*, 536).  
C 70,4 — H 11,7 — O 17,9 — M. G. 358.
- C<sub>21</sub>H<sub>42</sub>O<sub>5</sub>** 1) **Glycerinmonostearin**. Sm. 61° (*A. ch. [3] 41*, 221; *J. pr. [2] 28*, 225). — I, 445.  
C 78,3 — H 13,0 — N 8,7 — M. G. 322.
- C<sub>21</sub>H<sub>42</sub>N<sub>2</sub>** 1) **Triönanthidiamin**. Sd. über 400° (*A. Spl. 3*, 367). — I, 955.
- C<sub>21</sub>H<sub>44</sub>O** C 80,8 — H 14,1 — O 5,1 — M. G. 312.
- C<sub>21</sub>H<sub>44</sub>O<sub>2</sub>** 1) **Cetyläther** d.  $\alpha$ -Oxy- $\beta$ -Methylbutan. Sm. 14°; Sd. bei 350° (*Bl. [3] 15*, 304).  
2) **Isoamylcetyläther**. Sm. 30° (*A. 102*, 220). — I, 300.  
C 76,8 — H 13,4 — O 9,8 — M. G. 328.
- C<sub>21</sub>H<sub>44</sub>O<sub>4</sub>** 1) **Verbindung** (aus polym. Oenanthon). Sd. 297—300° (*B. 16*, 1039; *Soc. 43*, 80). — I, 955.

**C<sub>21</sub>-Gruppe mit drei Elementen.**

- C<sub>21</sub>H<sub>8</sub>O<sub>2</sub>Br<sub>4</sub>** 1) **Tetrabromfluoresceincarbonsäure**. K<sub>2</sub> (*B. 11*, 1343). — II, 2089.
- C<sub>21</sub>H<sub>8</sub>O<sub>2</sub>Br<sub>5</sub>** 1) **Heptabromkatechurenin**? (*A. 128*, 292). — III, 686.
- C<sub>21</sub>H<sub>10</sub>O<sub>2</sub>Br<sub>2</sub>** 1) **Dibrom- $\beta$ -Dinaphthylenketonoxyd**. Sm. 181° (*J. pr. [2] 41*, 51). — III, 263.
- C<sub>21</sub>H<sub>10</sub>O<sub>2</sub>Br<sub>4</sub>** 1) **Methyläther** d. **Tetrabromfluorescein** (Methylerythrin) (*A. 183*, 53). — II, 2063.
- C<sub>21</sub>H<sub>10</sub>O<sub>6</sub>N<sub>2</sub>** C 63,3 — H 2,6 — O 24,9 — N 7,2 — M. G. 336.  
1) **Dinitro- $\beta$ -Dinaphthylenketonoxyd**. Sm. 275° (*J. pr. [2] 41*, 50). — III, 263.
- C<sub>21</sub>H<sub>10</sub>O<sub>2</sub>Br<sub>5</sub>** 1) **Dibromfluoresceincarbonsäure** (*B. 11*, 1343). — II, 2089.
- C<sub>21</sub>H<sub>10</sub>O<sub>2</sub>Cl<sub>4</sub>** 1) **Tetra[chloracetyl]galloflavin**. Sm. 210—212° (*B. 20*, 2330). — II, 1926.
- C<sub>21</sub>H<sub>12</sub>O<sub>2</sub>Cl<sub>2</sub>** 1) **Di[4-Chlor-1-Naphylester]** d. **Kohlensäure**. Sm. 228° (*B. 28*, 3051).
- C<sub>21</sub>H<sub>12</sub>O<sub>2</sub>Br<sub>2</sub>** 1) **Di[4-Brom-1-Naphylester]** d. **Kohlensäure**. Sm. 214° (*B. 28*, 3053).  
2) **Di[1-Brom-2-Naphylester]** d. **Kohlensäure**. Sm. 188—189° (*B. 28*, 3056).
- C<sub>21</sub>H<sub>12</sub>O<sub>2</sub>J<sub>2</sub>** 1) **Di[1-Jod-2-Naphylester]** d. **Kohlensäure**. Sm. 188—189° (*B. 28*, 3057).
- C<sub>21</sub>H<sub>12</sub>O<sub>2</sub>Br<sub>3</sub>** 1) **Benzoylgebromid**. Sm. 221—222° u. Zers. (*B. 31*, 2077).
- C<sub>21</sub>H<sub>12</sub>O<sub>2</sub>Br<sub>5</sub>** 1) **Hexabromresorcininnamylein** (*J. pr. [2] 48*, 409). — II, 1124.
- C<sub>21</sub>H<sub>12</sub>O<sub>2</sub>S** 1)  **$\beta$ -Dinaphthylenketonoxysulfonsäure**. Ba + H<sub>2</sub>O (*J. pr. [2] 41*, 51). — III, 263.
- C<sub>21</sub>H<sub>12</sub>O<sub>6</sub>N<sub>2</sub>** C 56,7 — H 2,7 — O 21,6 — N 18,9 — M. G. 444.  
1) **m-Trinitrokyaphenin**. Sm. 250—260° u. Zers. (*A. 115*, 25; *J. pr. [2] 51*, 399). — II, 1216.
- C<sub>21</sub>H<sub>12</sub>O<sub>6</sub>N<sub>2</sub>** C 62,4 — H 3,0 — O 27,7 — N 6,9 — M. G. 404.  
1) **Di[4-Nitro-1-Naphylester]** d. **Kohlensäure**. Sm. 212° (*B. 28*, 3050).

- C<sub>21</sub>H<sub>12</sub>O<sub>6</sub>N<sub>4</sub>** C 56,2 — H 2,7 — O 28,6 — N 12,5 — M. G. 448.  
 1) **Tetranitro- $\alpha$ -Dinaphthylmethan.** Zers. bei 260—270° (B. 7, 1607). — II, 296.
- C<sub>21</sub>H<sub>12</sub>O<sub>6</sub>N<sub>6</sub>** 2) **Tetranitro- $\beta$ -Dinaphthylmethan.** Sm. 150—160° (B. 13, 1728). — II, 296.  
 C 51,2 — H 2,4 — O 29,3 — N 17,1 — M. G. 492.  
 1) **Tetranitro-s-1,1-Dinaphthylharnstoff.** Sm. oberh. 300° (Soc. 61, 467). — II, 608.  
 2) **Tetranitro-s-2,2-Dinaphthylharnstoff** (Soc. 61, 467). — II, 618.  
 3) **Tri[4-Nitrophenyläther] d. Cyanursäure.** Sm. 94° (B. 20, 2236). — II, 683.
- C<sub>21</sub>H<sub>12</sub>N<sub>2</sub>Cl<sub>6</sub>** 1) **2,5-Dichlor-1-Di[2,5-Dichlorbenzylidenamido]methylbenzol** (2,5-Hexachlorhydrobenzamid). Sm. 167° (A. 299, 347).
- C<sub>21</sub>H<sub>13</sub>ON** C 85,4 — H 4,4 — O 5,4 — N 4,8 — M. G. 295.  
 1)  **$\beta$ -Dinaphthakridon.** Sm. oberh. 300° (B. 28, 3098). — IV, 477.  
 2) **1-Phenylphenanthrenoxazol.** Sm. 202° (Soc. 37, 668; 38, 225; 67, 46). — III, 446.  
 3) **Oxim d. 2,2-Diketodinaphthylmethan** (B. 25, 3483). — II, 1007.
- C<sub>21</sub>H<sub>13</sub>OBr** 1) **9-Keto-10-[ $\alpha$ -Brombenzyliden]-9,10-Dihydroanthracen.** Sm. 254° (B. 23, 1569). — III, 245.
- C<sub>21</sub>H<sub>13</sub>O<sub>5</sub>N** 2) **Bromphthalacenoxyd.** Sm. bei 200° (B. 17, 1398). — II, 297.  
 C 77,1 — H 3,9 — O 14,7 — N 4,3 — M. G. 327.  
 1) **Phenylamid d. 9,10-Anthrachinon-2-Carbonsäure.** Sm. 258—260° (B. 17, 890). — II, 1904.
- C<sub>21</sub>H<sub>13</sub>O<sub>5</sub>N** 2) **4-Benzoylphenylimid d. Benzol-1,2-Dicarbonsäure.** Sm. 183° (A. 210, 267). — III, 184.
- C<sub>21</sub>H<sub>13</sub>O<sub>4</sub>N** 1) **3-[3,4-Dioxyphenylmethyläther]- $\beta$ -Naphtochinolin-1-Carbonsäure** (Piperonyl- $\beta$ -Naphtocinchoninsäure). Sm. 292° (B. 27, 2030). — IV, 472.  
 2) **4-Benzoxylphenylimid d. Benzol-1,2-Dicarbonsäure.** Sm. 256° (C. 1897 [1] 49).  
 C 67,2 — H 3,5 — O 25,6 — N 3,7 — M. G. 375.
- C<sub>21</sub>H<sub>13</sub>O<sub>6</sub>N** 1) **1-[3-Nitrobenzoyl]-4-[4-Carboxybenzoyl]benzol?** (m-Benzoyl-p-Benzoylbenzolsäure). Sm. 276°. Na + 3H<sub>2</sub>O (A. 286, 320). — II, 1914.  
 2) **1-[4-Nitrobenzoyl]-4-[4-Carboxybenzoyl]benzol?** Sm. 306—308° (A. 286, 332). — II, 1914.  
 3) **Diacetat d. Dioxanthrachinolinchinon (D. d. Alizarinblau).** Sm. 224,5° (Soc. 35, 800). — IV, 462.  
 4) **3,5-Dibenzoylpyridin-3<sup>a</sup>,5<sup>b</sup>-Dicarbonsäure.** Sm. 270—271° (A. 280, 82). — IV, 175.  
 5) **3,5-Dibenzoylpyridin-3<sup>a</sup>,5<sup>b</sup>-Dicarbonsäure.** Sm. 308° u. Zers. Ca + H<sub>2</sub>O, Cu, Ag, (A. 280, 66, 78). — IV, 175.  
 C 58,5 — H 3,0 — O 22,3 — N 10,2 — M. G. 431.
- C<sub>21</sub>H<sub>13</sub>O<sub>6</sub>N<sub>5</sub>** 1) **P-Trinitro-2,4,5-Triphenylimidazol + 2H<sub>2</sub>O (Trinitrolophin)** (J. pr. [1] 35, 459). — III, 27.
- C<sub>21</sub>H<sub>13</sub>O<sub>7</sub>N<sub>3</sub>** C 60,1 — H 3,1 — O 26,7 — N 10,0 — M. G. 419.  
 1) **Anthracenpikrat.** Sm. 138° (Bl. 7, 34). — II, 260.
- C<sub>21</sub>H<sub>13</sub>O<sub>6</sub>N<sub>3</sub>** 2) **Fluoranthenpikrat.** Sm. 182—183° (A. 193, 146). — II, 279.  
 C 57,9 — H 3,0 — O 29,4 — N 9,7 — M. G. 435.
- C<sub>21</sub>H<sub>13</sub>N<sub>2</sub>Br** 1) **8-Brom-8-Methyl-2,3-Biphenylen-1,4-Benzodiazin.** Sm. 209—210° (B. 23, 1050). — IV, 1087.
- C<sub>21</sub>H<sub>13</sub>ON<sub>2</sub>** 1) **Carbanilamidophenanthrol (Phenylamidophenanthrenoxazol).** Sm. 192 bis 193°. Pikrat (B. 22, 3242). — III, 442.  
 2) **2-[2-Oxyphenyl]phenanthrenimidazol.** Sm. 270—276° u. Zers. (Soc. 41, 146). — III, 446.  
 3) **2-[4-Oxyphenyl]phenanthrenimidazol.** Sm. oberh. 350° (Soc. 41, 146). — III, 447.
- C<sub>21</sub>H<sub>13</sub>ON<sub>4</sub>** C 74,6 — H 4,1 — O 4,7 — N 16,6 — M. G. 338.  
 1) **3-Benzoylamido-1,5,2,3-Diphenylen-2,3-Dihydro-1,2,4-Triazol.** Sm. 255—256° (B. 28, 153). — IV, 1292.
- C<sub>21</sub>H<sub>13</sub>OBr<sub>2</sub>** 1) **10-Brom-9-Keto-10-[ $\alpha$ -Brombenzyl]-9,10-Dihydroanthracen.** Sm. 148° (B. 23, 1569). — III, 245.

- C<sub>21</sub>H<sub>14</sub>OS**
- 1) *α*-Thiocarbonyl-*γ*-Keto-*β*-Phenyl-*γ*-Biphenylpropen. Sm. oberh. 320° (B. 21, 1340). — III, 263.
- C<sub>21</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>**
- 1) **2,3-Diphenyl-1,4-Benzodiazin-6-Carbonsäure.** Sm. 288°. Ba + 3H<sub>2</sub>O (B. 23, 3627). — III, 286.
- C<sub>21</sub>H<sub>14</sub>O<sub>2</sub>N<sub>4</sub>**
- 1) Phenylimid d. **2-Phenylimido-2,3-Dihydrobenzimidazol-1,3-Dicarbonsäure.** Sm. 266° (B. 24, 2504). — IV, 567.
- C<sub>21</sub>H<sub>14</sub>O<sub>2</sub>S**
- 1) **2,2-Dinaphylester d. Thiokohlensäure.** Sm. 212° (B. 27, 3411).
- C<sub>21</sub>H<sub>14</sub>O<sub>2</sub>N<sub>3</sub>**
- 1) *β*-Phtalyl-*α*-Benzoyl-*α*-Phenylhydrazin. Sm. 193° (J. pr. [2] 35, 273). — IV, 710.
  - 2) **1,4-Diketo-3-Benzoyl-2-Phenyl-1,2,3,4-Tetrahydro-2,3-Benzodiazin.** Sm. 122° (J. pr. [2] 35, 288). — IV, 711.
  - 3) **Benzot d. 5-Phenyl-3-[2-Oxyphenyl]-1,2,4-Oxidiazol.** Sm. 120° (B. 22, 2783). — II, 1503.
  - 4) **Benzot d. 5-Phenyl-3-[3-Oxyphenyl]-1,2,4-Oxidiazol.** Sm. 146° (B. 24, 831). — II, 1519.
  - 5) **4-Benzot d. 5-Phenyl-3-[4-Oxyphenyl]-1,2,4-Oxidiazol.** Sm. 140° (B. 24, 837). — II, 1532.
  - 6) **2-Oxy-1,1'-Azonaphthalin-3-Carbonsäure.** Zers. bei 182° (B. 28, 3090). — IV, 1473.
  - 7) **4-Oxy-1,1'-Azonaphthalin-3-Carbonsäure?** Sm. 198° u. Zers. (B. 23, 1910). — IV, 1473.
  - 8) **Phenylamid d. 3-[1,2-Phtalyl]amidobenzol-1-Carbonsäure.** Sm. 207 bis 209° (B. 16, 1322). — II, 1813.
  - 9) **Verbindung (aus d. Verb. C<sub>21</sub>H<sub>14</sub>O<sub>5</sub>N<sub>3</sub>).** Sm. 230° (A. 242, 252). — IV, 719.
- C<sub>21</sub>H<sub>14</sub>O<sub>2</sub>Cl<sub>4</sub>**
- 1) **Di[3,4-Dichlor-3,4-Dihydro-1-Naphtylester] d. Kohlensäure.** Sm. 200° u. Zers. (B. 28, 3051).
- C<sub>21</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>**
- 1) **Dinitrophthalacren.** Sm. 270–280° u. Zers. (B. 17, 1308). — II, 297.
  - 2) **Di[*p*-Nitroso-2-Oxynaphthyl]methan.** Sm. 106° u. Zers. (B. 25, 3482). — II, 1007.
  - 3) **Phenylphthalanilurethan.** Sm. 160–165° (J. pr. [2] 41, 329). — II, 1809.
  - 4) **Phenylhydrazonyprvensäure + 2H<sub>2</sub>O.** Zers. bei 70–100°. Ba (A. 240, 176). — IV, 719.
- C<sub>21</sub>H<sub>14</sub>O<sub>4</sub>N<sub>4</sub>**
- 1) ***p*-Dinitro-2,4,5-Triphenylimidazol (Dinitropholin).** Sm. 100° (A. 112, 161). — III, 27.
  - 2) **Benzot d. 3-Oxy-5-Phenyl-1-[3-Nitrophenyl]-1,2,4-Triazol.** Sm. 168° (Soc. 73, 373). — IV, 1157.
  - 3) **Benzot d. 3-Oxy-5-[3-Nitrophenyl]-1-Phenyl-1,2,4-Triazol.** Sm. 145° (Soc. 71, 211). — IV, 1158.
  - 4) **Benzot d. 3-Oxy-5-[4-Nitrophenyl]-1-Phenyl-1,2,4-Triazol.** Sm. 153° (Soc. 71, 207). — IV, 1158.
- C<sub>21</sub>H<sub>14</sub>O<sub>4</sub>Br<sub>6</sub>**
- 1) **Verbindung (aus Aurin) (M. 3, 470).** — II, 1120.
- C<sub>21</sub>H<sub>14</sub>O<sub>4</sub>N<sub>4</sub>**
- 1) **Benzodisazoxoxybenzolsäure.** Ag<sub>4</sub> (J. pr. [2] 1, 107; B. 9, 629). — IV, 1471.
- C<sub>21</sub>H<sub>14</sub>O<sub>5</sub>N<sub>3</sub>**
- 1) **Monomethyläther d. Dinitrophenolphthalein.** Sm. 90–92° (G. 26 [1] 271).
- C<sub>21</sub>H<sub>14</sub>O<sub>10</sub>N<sub>3</sub>**
- 1) **Säure (aus 2,4-Dinitrophenylacetessigsäureäthylester).** (A. 220, 141). — II, 1659.
- C<sub>21</sub>H<sub>14</sub>O<sub>10</sub>Br<sub>6</sub>**
- 1) **Hexabromfichtengerbsäure (B. 17, 1127).** — III, 681.
- C<sub>21</sub>H<sub>14</sub>N<sub>1</sub>Cl<sub>3</sub>**
- 1) **Diazohydrocyanarosanilinchlorid** (A. 194, 280). — IV, 1552.
- C<sub>21</sub>H<sub>15</sub>ON**
- 1) **9-Keto-10-[*α*-Amidobenzyliden]-9,10-Dihydroanthracen.** Sm. 150 bis 152° (B. 23, 2529). — III, 245.
  - 2) **Benzyläther d. Anhydro-*β*-Oximido-*α*-Keto-*α*-*β*-Diphenyläthan.** Sm. 114° (B. 22, 2007). — III, 289.

- C<sub>21</sub>H<sub>15</sub>ON**
- 3) Triphenyloxazol (Azobenzil; Benzilam). Sm. 115° (A. 34, 190; **228**, 350; B. 15, 2413; **16**, 891, 2638; J. pr. [1] **35**, 461; [2] **41**, 331; Soc. **49**, 829; **63**, 474). — **IV**, 474.
  - 4) Oximidophtalacen. Sm. 265—266° (B. 17, 1398). — **II**, 297.
  - 5) 1-Naphtylamid d. Naphtalin-1-Carbonsäure. Sm. 244° (B. 1, 42). — **II**, 1445.
  - 6) 1-Naphtylamid d. Naphtalin-2-Carbonsäure. Sm. 157° (A. **180**, 325). — **II**, 1454.
- C<sub>21</sub>H<sub>15</sub>ON<sub>2</sub>**
- C<sub>21</sub>H<sub>15</sub>ON<sub>3</sub>**
- 1) Verbindung (+ AlCl<sub>3</sub> aus Benzonitril)? (B. **25**, 2263). — **II**, 1212. C 77,5 — H 4,6 — O 4,9 — N 12,9 — M. G. 325.
  - 1) P-Nitroso-1, 3, 5-Triphenylpyrazol. Sm. 183° (B. **21**, 1208). — **IV**, 1028.
  - 2) 5-Phenylamido-7-Phenylimido-8-Keto-7,8-Dihydrochinolin. Sm. 222°. Acetat, Pikrat (B. **21**, 2986). — **IV**, 278.
  - 3) 3-Furanyl-2-Phenyl-2,3-Dihydro-1,2,4-Naphthisotiazin. Sm. 241° HCl, (2HCl, PtCl<sub>4</sub>) (B. **24**, 1007). — **IV**, 1394.
  - 4) Verbindung (aus Benzenylamidin u. Salicylsäureäthylester). Sm. 246° (B. **23**, 2937, 3824). — **IV**, 848.
- C<sub>21</sub>H<sub>15</sub>OCl**
- 1) Verbindung (aus Benzoxyanthranol). Sm. 95—102° (B. **23**, 2527). — **III**, 245.
- C<sub>21</sub>H<sub>15</sub>O<sub>2</sub>N**
- 1) 2-[1,2-Phtalyl]amidodiphenylmethan. Sm. 139° (B. **27**, 2786). — **II**, 1806.
  - 2) Benzyläther d. 9-Oximido-10-Keto-9,10-Dihydroanthracen. Sm. 82° (Soc. **69**, 73). — **III**, 410.
  - 3) 2-Phenylamido-1,3-Diketo-2-Phenyl-2,3-Dihydroinden. Sm. 210 bis 211° (B. **26**, 2580). — **III**, 302.
  - 4) Acetat d. 3-Oxy-5-Phenylakridin. Sm. 173—174° (B. **18**, 697). — **IV**, 468.
- C<sub>21</sub>H<sub>15</sub>O<sub>2</sub>N<sub>2</sub>**
- 1) Oxalyltriphenylguanidin. Sm. bei 230° (B. **3**, 764; J. pr. [2] **32**, 11). — **II**, 351.
  - 2) 5-Phenyl-3-[3-Benzoylamidophenyl]-1,2,4-Oxidiazol. Sm. 213° (B. **18**, 2474). — **II**, 1258.
  - 3) 2-Benzoyl-3-Benzoylamidoindazol. Sm. 182° (A. **305**, 349).
  - 4) 2,3-Dibenzoyl-2,3-Dihydro-1,2,3-Benztriasin. Sm. 182° (B. **29**, 627). — **IV**, 1149.
  - 5) 3,4-Diphenyl-1,2,5-Triazol-1-[Phenyl-4'-Carbonsäure]. Sm. 258° (B. **27**, 1137). — **III**, 288.
  - 6) Benzoat d. 3-Oxy-1,5-Diphenyl-1,2,4-Triazol. Sm. 134° (Soc. **67**, 1066). — **IV**, 1157.
- C<sub>21</sub>H<sub>15</sub>O<sub>2</sub>N<sub>3</sub>**
- 1) Tribenzoyleamin (Tribenzamid). Sm. 202° (207—208°) (B. **23**, 3041; **25**, 3121; **28**, 435; Am. **20**, 73). — **II**, 1171.
  - 2) Benzoat d.  $\beta$ -Oximido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan (B. d. Benziloxim). Sm. 137° (A. **296**, 284).
  - 3) Benzoat d. 5-Oxy-3-Methyl-1-Phenylbenzoxazol. Sm. 133° (B. **30**, 1104).
  - 4) 3-[4-Methoxyphenyl]- $\beta$ -Naphtochinolin-1-Carbonsäure. Sm. 283° (B. **27**, 2029). — **IV**, 472.
- C<sub>21</sub>H<sub>15</sub>O<sub>2</sub>N<sub>3</sub>**
- 1) Triphenylycyanurat. Sm. 224° (B. **3**, 275; **18**, 765; **18** [2] 499; **19**, 2083; **20**, 2240; **28**, 2472; A. **287**, 319). — **II**, 375.
  - 2) Triphenylisocyanurat. Sm. 274—275° (B. **3**, 268; **18**, 765, 3225; **28**, 2472). — **II**, 376.
- C<sub>21</sub>H<sub>15</sub>O<sub>4</sub>N**
- 1) 4-[3-Nitrobenzoyl]-1-[4-Methylbenzoyl]benzol. Sm. 210° (A. **286**, 320). — **III**, 306.
  - 2) 4-[4-Nitrobenzoyl]-1-[4-Methylbenzoyl]benzol. Sm. 236° (A. **286**, 332). — **III**, 306.
  - 3) Dibenzoat d. 2-Oxybenzaldoxim. Sm. 126° (B. **26**, 2625). — **III**, 77.
  - 4) 3-[4-Oxy-3-Methoxyphenyl]- $\beta$ -Naphtochinolin-1-Carbonsäure (Vanillyl- $\beta$ -Naphtochinoninsäure). Sm. 288° (B. **27**, 2029). — **IV**, 472.
  - 5)  $\alpha$ -Benzoat d. Benzoylbenzhydroxamsäure ( $\alpha$ -Tribeuzhydroxylamin). Sm. 100° (A. **175**, 282; **178**, 237; **186**, 104; **281**, 270). — **II**, 1208.

- C<sub>21</sub>H<sub>15</sub>O<sub>4</sub>N**
- 6)  $\beta$ -Benzoylbenzhydroxamsäure ( $\beta$ -Tribenzhydroxylamin). Sm. 141–142° (A. 161, 360; 175, 282; 178, 225; 186, 106; 281, 270). — II, 1208.
  - 7)  $\gamma$ -Benzoylbenzhydroxamsäure ( $\gamma$ -Tribenzhydroxylamin). Sm. 112° (A. 178, 240; 186, 33, 107; 281, 270). — II, 1208.
- C<sub>21</sub>H<sub>15</sub>O<sub>5</sub>N**
- C 69,8 — H 4,1 — O 22,2 — N 3,9 — M. G. 361.
  - 1) Diacetat d. 1,2-Dioxy-3,4-Naphthakridon. Sm. 280° (B. 27, 3075). — III, 395.
  - 2) Benzoyl d.  $\beta$ -Nitro- $\beta$ -Oxy- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan (Nitrobenzobenzoyl). Sm. 137° (A. 104, 119). — III, 223.
  - 3) Dibenzoyl d. 2-Nitroso-3,5-Dioxy-1-Methylbenzol. Sm. 157–158° (M. 18, 169).
- C<sub>21</sub>H<sub>15</sub>O<sub>6</sub>N<sub>5</sub>**
- C 58,2 — H 3,4 — O 22,2 — N 16,2 — M. G. 433.
  - 1) Trinitroamarin. HCl (A. 79, 276). — III, 23.
  - 2) m-Trinitrohydrobenzamid (A. 79, 272). — III, 21.
- C<sub>21</sub>H<sub>15</sub>O<sub>6</sub>As**
- 1) Triphenylarsin-4 $\alpha$ ,4 $\beta$ ,4 $\gamma$ -Tricarbonsäure. Na<sub>+</sub> + H<sub>2</sub>O, Ag<sub>+</sub> (A. 208, 30). — IV, 1693.
  - 2) Arsenibenzolcarbonsäureanhydrid (B. 22, 974). — II, 1157.
- C<sub>21</sub>H<sub>15</sub>O<sub>7</sub>N<sub>3</sub>**
- C 59,8 — H 3,6 — O 26,6 — N 10,0 — M. G. 421.
  - 1) Methanthrenpikrat. Sm. 117° (J. pr. [2] 9, 419). — II, 273.
  - 2) Idryhydrürpikrat. Sm. 186° (M. 1, 225). — II, 279.
- C<sub>21</sub>H<sub>15</sub>O<sub>8</sub>N**
- C 61,6 — H 3,7 — O 31,3 — N 3,4 — M. G. 409.
  - 1) Nitrodioxytriphenylmethandicarbonsäure. o-Nitroderivat Sm. 214 bis 216°; m-Nitroderivat Zers. bei 200°; p-Nitroderivat Zers. oberh. 200° (G. 21 [2] 348). — II, 2038.
- C<sub>21</sub>H<sub>15</sub>NS**
- 1) Thio- $\beta$ -Dinaphthylmethylamin. Sm. 284–285° u. Zers. (B. 23, 2459). — II, 869.
  - 2) 2,4,5-Triphenylthiazol. Sm. 86–87° (A. 259, 245). — IV, 474.
- C<sub>21</sub>H<sub>15</sub>N<sub>2</sub>Br**
- 1)  $\beta$ -Brom-1,3,5-Triphenylpyrazol. Sm. 142° (B. 21, 1208). — IV, 1028.
  - 2)  $\beta$ -Brom-6-Methyl-2,3-Diphenyl-1,4-Benzodiazin. Sm. 153–154° (B. 23, 1050). — IV, 1081.
- C<sub>21</sub>H<sub>15</sub>N<sub>2</sub>Br<sub>3</sub>**
- 1) 4,4,5-Tribrom-1,3,5-Triphenyl-4,5-Dihdropyrazol. Sm. 179° (B. 21, 1210). — IV, 1017.
  - 2)  $\beta$ -Dinaphthylharnstoff. Sm. 270° u. Zers. (284–286°) (A. 64, 370; 108, 229; B. 12, 385; Soc. 71, 1201). — II, 608.
  - 3)  $\alpha$ -2,2-Dinaphthylharnstoff. Sm. 293° (289–290°) (B. 19, 2406; Soc. 71, 1203). — II, 615.
  - 4) una-2,2-Dinaphthylharnstoff. Sm. 192–193° (B. 23, 428). — II, 618.
  - 5) Phenylhydrazon d. 1-Benzoylbensfuran. Sm. 128–129° (G. 25 [2] 288). — IV, 788.
  - 6) Benzilbenzonylaminidin. Sm. 232° (PINNER, Imidoäther 176). — IV, 849.
  - 7) 2-[4-Oxyphenyl]-4,5-Diphenylimidazol (p-Oxylopholin). Sm. 254 bis 255° (B. 15, 1269). — III, 27.
  - 8) 2-Keto-1,4,5-Triphenyl-2,3-Dihydroimidazol. Sm. noch nicht bei 290° (A. 284, 34). — III, 223.
  - 9) 1-Keto-2-Phenyl-4-Benzyl-1,2-Dihydro-2,3-Benzodiazin? Sm. 171 bis 172° (B. 26, 1376). — II, 1710.
  - 10) Phenyläther d. 4-Oxy-1-Benzyl-2,3-Benzodiazin. Sm. 155° (B. 29, 1436). — IV, 1027.
  - 11) Benzoyleisobenzalazin. Sm. 150°; Sd. 300° (J. pr. [2] 44, 178). — III, 287.

- C<sub>21</sub>H<sub>16</sub>ON<sub>4</sub>** C 74,1 — H 4,7 — O 4,7 — N 16,5 — M. G. 340.  
 1) **5-Keto-4-Phenylhydrazon-1,3-Diphenyl-4,5-Dihydropyrazol.** Sm. 169° (B. 20, 2547; 21, 2124; 27, 784). — IV, 1472, 1490.
- C<sub>21</sub>H<sub>16</sub>ON<sub>4</sub>** C 68,5 — H 4,3 — O 4,3 — N 22,8 — M. G. 368.  
 1) **5-Keto-3-Phenoxy-4-Phenylhydrazon-1-Phenyl-4,5-Dihydropyrazol.** Sm. 216—217° (B. 27, 152). — IV, 1488.
- C<sub>21</sub>H<sub>16</sub>OBr<sub>2</sub>** 1)  $\beta$ -Dibrom- $\alpha$ -Keto- $\alpha\beta\gamma$ -Triphenylpropan. Sm. 135° (B. 26, 450). — III, 259.
- C<sub>21</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>** C 76,8 — H 4,9 — O 9,7 — N 8,5 — M. G. 328.  
 1)  $\beta$ -Phenylhydrazon- $\alpha\gamma$ -Diketo- $\alpha\gamma$ -Diphenylpropan. Sm. 135° (B. 23, 3382). — IV, 788.
- 2) **Phenylazodibenzoylmethan.** Sm. 153—154° (B. 21, 1703). — IV, 1480.
- 3) **Dianiläskuletin.** (2HCl, PtCl<sub>4</sub>) (B. 4, 473; 13, 1953). — III, 568.
- 4) **3,4-Di-[Benzoylenamido]benzol-1-Carbonsäure.** Sm. 253,5—254,5°. Ca, Ag (B. 11, 595, 1656). — IV, 619.
- C<sub>21</sub>H<sub>16</sub>O<sub>2</sub>N<sub>4</sub>** C 70,8 — H 4,5 — O 9,0 — N 15,7 — M. G. 356.  
 1) **Carbosis-4,4'-(3-Methyl-1-Phenyl-5-Pyrazolon).** Sm. 235° (J. pr. [2] 54, 190, 193). — IV, 1274.
- 2) **Verbindung** (aus 1,3,5-Triphenylmelamin). Sm. 272°. (2HCl, PtCl<sub>4</sub>) (B. 18, 3225). — II, 451.
- C<sub>21</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>** C 73,3 — H 4,6 — O 14,0 — N 8,1 — M. G. 344.  
 1) **2-(Phenylbenzoylmethylen)hydrazidobenzol-1-Carbonsäure.** Sm. 212° (B. 27, 1139). — III, 288.
- 2) **4-(Phenylbenzoylmethylen)hydrazidobenzol-1-Carbonsäure.** Sm. 212° u. Zers. (B. 27, 1133). — III, 288.
- 3) **Phenylhydrazinderivat d. Benzhydrolcarbonsäure** (A. 242, 241). — IV, 719.
- 4) **Nitril d. Diphenylketipinmethyläthersäure.** Sm. 229—231° (A. 282, 55). — II, 202.
- 5) **Phenylamidoformiat d.  $\beta$ -Oximido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan** (P. d.  $\alpha$ -Benziloxim). Sm. 144° (B. 22, 3111). — III, 289.
- 6) **Phenylamidoformiat d. isom.  $\beta$ -Oximido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan.** Sm. 143° (B. 22, 3110). — III, 290.
- C<sub>21</sub>H<sub>16</sub>O<sub>2</sub>N<sub>4</sub>** C 67,7 — H 4,3 — O 12,9 — N 15,1 — M. G. 372.  
 1) **Benzylidenhydrasid d. 5-Nitro-2-Benzylidenamidobenzol-1-Carbonsäure.** Sm. 224—225° (J. pr. [2] 53, 223).
- C<sub>21</sub>H<sub>16</sub>O<sub>2</sub>Br<sub>2</sub>** 1) **Acetal d.  $\alpha\beta$ -Dibrom- $\alpha$ -Keto- $\gamma$ -[1-Oxy-2-Naphthyl]- $\alpha$ -Phenylpropan.** Sm. 186—187° (B. 31, 706).
- C<sub>21</sub>H<sub>16</sub>O<sub>2</sub>S** 1) **Benzylanthracensulfonsäure.** Ba (B. 23, 1571). — II, 297.
- C<sub>21</sub>H<sub>16</sub>O<sub>4</sub>N<sub>2</sub>** C 70,0 — H 4,4 — O 17,8 — N 7,8 — M. G. 360.  
 1)  **$\alpha$ -Benzoyl- $\beta$ -Phenylhydrazid d. Benzol-1,2-Dicarbonsäure.** Sm. 172° (J. pr. [2] 35, 289). — IV, 710.
- 2) **Benzosat d. 4-Benzoylbenzenylamidoxim.** Sm. 185° (B. 24, 836). — II, 1532.
- 3) **Dibenzoat d. 2-Oxybenzenylamidoxim.** Sm. 127° (B. 22, 2782). — II, 1503.
- 4) **Dibenzoat d. 3-Oxybenzenylamidoxim.** Sm. 152,5° (B. 24, 829). — II, 1519.
- 5) **Verbindung** (aus Phenylisocyanat u. 2-Benzoylamidobenzol-1-Carbonsäure). Sm. 165° (J. pr. [2] 55, 135).
- C<sub>21</sub>H<sub>16</sub>O<sub>4</sub>N<sub>4</sub>** C 64,9 — H 4,1 — O 16,5 — N 14,4 — M. G. 388.  
 1) **Dinitroamarin.** Zers. bei 120°. HCl, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), HNO<sub>3</sub> (B. 18, 1672). — III, 22.
- 2) **2-[2-Nitrobenzyliden]amido-1-[2-Nitrobenzyliden]amidomethylbenzol.** Sm. 125—128° (J. pr. [2] 53, 424). — IV, 638.
- 3) **Formazylbenzol-II-3-III-2-Dicarbonsäure.** Sm. 225° (B. 31, 1755). — IV, 1261.
- 4) **Formazylbenzol-II-3-III-3-Dicarbonsäure.** Sm. 214° (B. 31, 1755). — IV, 1261.
- 5) **Formazylbenzol-II-3-III-4-Dicarbonsäure.** Sm. 218° (B. 31, 1755). — IV, 1261.
- C<sub>21</sub>H<sub>16</sub>O<sub>4</sub>Br<sub>2</sub>** 1) **1-Benzozat-2-[5-Brom-2-Oxybenzyl]äther d. 5-Brom-2-Oxy-1-Oxy-methylbenzol** (Benzozat d. Dibromsaliretin). Sm. 75° (C. 1896 [2] 738).

- C<sub>21</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>** C 67,0 — H 4,3 — O 21,3 — N 7,4 — M. G. 376.  
1)  $\epsilon$ -Keto- $\alpha$ -Di[2-Nitrophenyl]- $\alpha\gamma$ ;  $\beta$ -Nonatetraen. Sm. 208,5° (B. 18, 2328). — III, 259.
- C<sub>21</sub>H<sub>16</sub>N<sub>2</sub>S** 1)  $\alpha$ -1,1-Dinaphthylthioharnstoff. Sm. 207,5° (203°) (A. 64, 371; B. 12, 1860; 21, 963). — II, 610.  
2)  $\alpha$ -2,2-Dinaphthylthioharnstoff. Sm. 203° (193°) (B. 14, 61; 17, 3045; 21, 964). — II, 619.  
3) 2-Merkapto-1,4,5-Triphenylimidazol. Sm. noch nicht bei 290°. K (A. 284, 29). — III, 224.
- C<sub>21</sub>H<sub>16</sub>Br<sub>2</sub>S<sub>2</sub>** 1) Di[4-Bromphenyläther] d.  $\gamma\gamma$ -Dimerkapto- $\alpha$ -Phenylpropen. Sm. 105—107° u. Zers. (B. 18, 885). — III, 59.
- C<sub>21</sub>H<sub>17</sub>ON** C 84,2 — H 5,7 — O 5,3 — N 4,7 — M. G. 299.  
1)  $\gamma$ -Oximido- $\alpha\beta\gamma$ -Triphenylpropen. Sm. 208—209° (B. 26, 443). — III, 262.  
2)  $\beta$ -[2-Methylphenyl]imido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan (Tolilbenzil). Sm. 104° (M. 9, 688; 18, 353). — III, 284.  
3)  $\beta$ -[4-Methylphenyl]imido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan. Sm. 116—117° (M. 9, 690). — III, 284.  
4) 10-Acetyl-5-Phenyl-5,10-Dihydrookridin. Sm. 128° (B. 16, 1815). — IV, 465.  
5) Amid d. Triphenylakrylsäure. Sm. 223° (B. 28, 1799, 2785).  
6) Diphenylamido d.  $\beta$ -Phenylakrylsäure. Sm. 152—153° (154°) (B. 20, 1554; C. 1899 [1] 730). — II, 1407.
- C<sub>21</sub>H<sub>17</sub>ON<sub>2</sub>** C 77,0 — H 5,2 — O 4,9 — N 12,9 — M. G. 327.  
1) Methyläther d. 4-Carboxyphenylimido-4-Oxydiphenylmethan. Sm. 216° (B. 24, 3523). — III, 194.  
2) Nitrosoamarin. Zers. bei 149—150° (B. 8, 933). — III, 22.  
3) 6-Benzoylamo-5-Methyl-2-Phenylobenzimidazol + H<sub>2</sub>O. Sm. 195 bis 218°. HCl (B. 14, 2650). — IV, 1183.  
4) 3-[3-Benzylamidophenyl]-3,4-Dihydro-1,3-Benzodiazin. Sm. 82° (J. pr. [2] 48, 566). — IV, 873.  
5) 2-Methylphenylamido-4-Keto-3-Phenyl-3,4-Dihydro-1,3-Benzodiazin. Sm. 123° (Am. 21, 162).
- C<sub>21</sub>H<sub>17</sub>ON<sub>3</sub>** C 71,0 — H 4,8 — O 4,5 — N 19,7 — M. G. 355.  
1) 1,3,4-Triphenylammelin. Sm. 265° (B. 18, 3230, 3231). — II, 451.  
2) 3,4,6-Triphenylammelin. Sm. 275° (B. 20, 1069). — II, 451.  
3) Verbindung (aus 1,3,5-Triphenylmelamin) (B. 18, 3225). — II, 451.
- C<sub>21</sub>H<sub>17</sub>OCl** 1)  $\gamma$ -Chlor- $\alpha$ -Keto- $\alpha\beta\gamma$ -Triphenylpropan. Sm. 180—182° (B. 26, 447). — III, 259.  
2) isom.  $\gamma$ -Chlor- $\alpha$ -Keto- $\alpha\beta\gamma$ -Triphenylpropan. Sm. 165—167° (B. 26, 449). — III, 259.  
3)  $\alpha$ -Keto- $\beta$ -[4-Chlorphenyl]- $\alpha\gamma$ -Diphenylpropan. Sm. 138° (B. 25, 2241). — III, 259.
- C<sub>21</sub>H<sub>17</sub>O<sub>2</sub>N** C 80,0 — H 5,4 — O 20,2 — N 4,4 — M. G. 315.  
1) Benzylimid. Sm. 137—139° (J. pr. [1] 35, 461; B. 16, 891; A. 228, 348). — III, 283.  
2) Phenylbenzoylamidobenzoylmethan. Sm. 144—145° (B. 15, 2471). — III, 127.  
3) Benzyläther d.  $\beta$ -Oximido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan (B. d.  $\alpha$ -Benziloxim). Sm. 94° (B. 22, 2000). — III, 289.  
4) Benzyläther d. isom.  $\beta$ -Oximido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan. Sm. 114° (B. 22, 2000). — III, 290.  
5) Benzyläther d. isom.  $\beta$ -Oximido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan. Sm. 137° (B. 22, 2008). — III, 290.  
6) Acthylester d. Chrysylamidoameisensäure (Chrysylurethan). Sm. 214° (B. 24, 950). — II, 643.  
7) Benzylimid d. Benzolcarbonsäure. Sm. 107—108° (B. 26, 2275). — II, 1171.
- C<sub>21</sub>H<sub>17</sub>O<sub>2</sub>N<sub>3</sub>** 1) Xanthorocellin = (C<sub>21</sub>H<sub>17</sub>O<sub>2</sub>N<sub>3</sub>). Sm. 185° (A. 185, 17). — II, 1753. C 73,4 — H 5,0 — O 9,3 — N 12,2 — M. G. 343.  
1)  $\beta$ -Nitro-1,3,5-Triphenyl-4,5-Dihydropyrazol. Sm. 175—176° (B. 21, 1212). — IV, 1017.  
2) Methyläther d. 6-Phenylazo-5-Oxy-3-Methyl-1-Phenylbenzoxazol. Sm. 149—150° (M. 19, 506). — IV, 1448.

- C<sub>21</sub>H<sub>17</sub>O<sub>2</sub>N<sub>3</sub>** 3) Nitroamarin. HNO<sub>3</sub> (B. 18, 1677). — III, 22.  
 4) Aethylester d.  $\alpha$ -Cyan- $\beta\beta'$ -Di[2-Cyanphenyl]isobuttersäure. Sm. 122—123° (B. 25, 3026). — II, 1470.
- C<sub>21</sub>H<sub>17</sub>O<sub>3</sub>N** 1)  $\epsilon$ -Keto- $\alpha$ -[2-Nitrophenyl]- $\epsilon$ -Phenyl- $\alpha\gamma\beta$ -Nonatetraen. Sm. 136,5° (B. 18, 2329). — III, 259.  
 2)  $\epsilon$ -Keto- $\alpha$ -[4-Nitrophenyl]- $\epsilon$ -Phenyl- $\alpha\gamma\beta$ -Nonatetraen. Sm. 216—218° (A. 253, 355). — III, 259.  
 3)  $\alpha$ -Keto- $\gamma$ -[2-Nitrophenyl]- $\alpha\beta$ -Diphenylpropan. Sm. 100—102° (B. 23, 2071). — III, 259.  
 4)  $\alpha$ -Keto- $\gamma$ -[4-Nitrophenyl]- $\alpha\beta$ -Diphenylpropan. Sm. 110—112° (B. 23, 2071). — III, 259.  
 5)  $\gamma$ -Phenylimido- $\beta\beta'$ -Dioxy- $\alpha$ -Keto- $\alpha\gamma$ -Diphenylpropan. Sm. 99—100° (B. 23, 3386). — III, 316.  
 6) 4-Benzoylamidophenyläther d. Oxymethylphenylketon. Sm. 166° (C. 1897 [1] 411).  
 7) Benzoat d. 4-Benzoylamido-2-Oxy-1-Methylbenzol. Sm. 194° (B. 26, 2264). — II, 1179.  
 8) Benzoat d. 5-Benzoylamido-2-Oxy-1-Methylbenzol. Sm. 194° (B. 27, 194, 1930). — II, 1179.  
 9) Benzoat d. 6-Benzoylamido-3-Oxy-1-Methylbenzol. Sm. 161° (B. 27, 195, 1930).  
 10) Benzoat d. 3-Benzoylamido-4-Oxy-1-Methylbenzol. Sm. 190—191° (B. 31, 2695).  
 11) Benzoat d. Benzoylbenzylhydroxylamin. Sm. 96—97° (B. 26, 2263, 2629, 2631). — II, 1209.  
 12) 2-Benzoat d. N-Benzyl-2-Oxybenzaldoxim. Sm. 150° (B. 26, 2628). — III, 77.  
 13) 2-Benzoat d. 2-Oxybenzaldoxim-1-Benzyläther. Sm. 47° (B. 26, 2626). — III, 77.  
 14) Anthracenbenzylnitrat. Sm. 138° (Soc. 61, 871). — II, 261.  
 15) Hydrocyanrosolsäure (A. 179, 199). — II, 1122.  
 16) Benzoylphenylmethylester d. Phenylamidoameisensäure (Phenylcarbamat d. Benzoin). Sm. 163° (J. pr. [2] 32, 280). — III, 223.  
 17) Benzylamid d. 2-Benzoxylbenzol-1-Carbonsäure. Sm. 114° (B. 26, 2627). — II, 1500.
- C<sub>21</sub>H<sub>17</sub>O<sub>3</sub>N<sub>4</sub>** C 70,2 — H 4,7 — O 13,4 — N 11,7 — M. G. 359.  
 1)  $\beta$ -[2-Nitrobenzyliden]hydrazon- $\alpha$ -Oxy- $\alpha\beta$ -Diphenyläthan. Sm. 195° (J. pr. [2] 52, 130). — III, 225.  
 2)  $\beta$ -[3-Nitrobenzyliden]hydrazon- $\alpha$ -Oxy- $\alpha\beta$ -Diphenyläthan. Sm. 192° (J. pr. [2] 52, 130). — III, 225.  
 3) 2-[ $\beta$ -Oximido- $\alpha\beta$ -Diphenyläthyliden]hydrazidobenzol-1-Carbonsäure. Sm. 226° (B. 27, 1139). — III, 290.  
 4) 4-[ $\beta$ -Oximido- $\alpha\beta$ -Diphenyläthyliden]hydrazidobenzol-1-Carbonsäure. Sm. 249—250° (B. 27, 1134). — III, 291.  
 5) Di[Phenylamid] d. Benzol-1-Carbonsäure-3-Amidoketocarbonsäure. Sm. 290—295° (A. 232, 137). — II, 1265.
- C<sub>21</sub>H<sub>17</sub>O<sub>4</sub>N** C 72,6 — H 4,9 — O 18,4 — N 4,0 — M. G. 347.  
 1) Chelerythin. + C<sub>2</sub>H<sub>6</sub>O (Sm. 203°). HCl + 5H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>4</sub>), HJ (A. 29, 120; 31, 250; 43, 233; J. 1855, 566; Bl. [3] 15, 541; C. 1895 [2] 305). — III, 804.  
 2) Phenyl-3-Methoxyphenylmonamid d. Benzol-1,2-Dicarbonsäure. Sm. 95—98° (B. 31, 1332).  
 3) Phenyl-4-Methoxyphenylmonamid d. Benzol-1,2-Dicarbonsäure. Sm. 90—92°. Ap (B. 31, 1330).
- C<sub>21</sub>H<sub>17</sub>O<sub>4</sub>N<sub>3</sub>** C 67,2 — H 4,5 — O 17,1 — N 11,2 — M. G. 375.  
 1)  $\beta$ -Nitro-2,4-Di[Benzoylamido]-1-Methylbenzol. Sm. 245° (B. 14, 2656). — IV, 606.  
 2)  $\beta$ -Nitro-3,4-Di[Benzoylamido]-1-Methylbenzol. Sm. 246° (B. 25, 1994). — IV, 617.  
 3) Verbindung (aus Phenylcarbonimid u. N-Benzyl-syn-3-Nitrobenzaldoxim). Sm. 158—159° (B. 24, 2816). — III, 48.  
 4) Verbindung (aus d. 2-Methyläther d. 2-Oxybenzaldoxim u. Phenylcarbonimid). Sm. 115° (B. 22, 3102). — III, 77.

- C<sub>21</sub>H<sub>17</sub>O<sub>4</sub>N<sub>5</sub>** C 62,5 — H 4,2 — O 15,9 — N 17,4 — M. G. 403.  
 1)  $\alpha$ -Phenylamidoformylamido- $\alpha$ -Phenylamidoformylimido- $\alpha$ -[3-Nitrophenyl]methan (3-Nitrobenzenyldiphenyldiureid). Sm. 173° (B. 28, 484). — IV, 846.
- C<sub>21</sub>H<sub>17</sub>O<sub>5</sub>N<sub>3</sub>** C 64,5 — H 4,3 — O 20,5 — N 10,7 — M. G. 391.  
 1)  $\beta$ -[2-Dinitro-4-Methylphenyl]amido- $\alpha$ -Keto- $\alpha$ - $\beta$ -Diphenyläthan. Sm. 195° (J. pr. [2] 34, 20). — III, 221.  
 2) Di[2-Nitro- $\beta$ -Methylphenyl]amid d. Benzolcarbonsäure (B. 15, 831). — II, 1165.
- C<sub>21</sub>H<sub>17</sub>O<sub>2</sub>Cl<sub>5</sub>** 1) Dibenzoat d.  $\alpha$ -Arabinochloral. Sm. 138° (C. 1895 [1] 478).  
 2) Dibenzoat d.  $\beta$ -Arabinochloral. Sm. 138° (C. 1895 [1] 478).
- C<sub>21</sub>H<sub>17</sub>O<sub>6</sub>Br<sub>3</sub>** 1) Tribromnarceonsäure. Sm. 231—232° (A. 286, 255). — II, 2082.
- C<sub>21</sub>H<sub>17</sub>O<sub>5</sub>As** 1) Triphenyloxysarcosoniumoxyhydrat-4',4'',4'''-Tricarbonsäure(Tribenzarsinsäure). K<sub>3</sub>, Ca<sub>2</sub> + xH<sub>2</sub>O (A. 208, 28). — IV, 1693.
- C<sub>21</sub>H<sub>17</sub>NBr<sub>4</sub>** 1) 2,6-Di[ $\alpha$ - $\beta$ -Dibrom- $\beta$ -Phenyläthyl]pyridin. Sm. 183° (B. 25, 2404). — IV, 457.
- C<sub>21</sub>H<sub>17</sub>N<sub>2</sub>Cl** 1) Chlorhydrabenzamid? Sm. 186° (A. 111, 146; Bl. [3] 19, 10). — III, 21.  
 2) isom. Chlorhydrabenzamid? Sm. 183° (A. 111, 158). — III, 21.
- C<sub>21</sub>H<sub>17</sub>N<sub>2</sub>Br<sub>2</sub>** 1) Lophinsuperbromid? (B. 13, 710). — III, 26.
- C<sub>21</sub>H<sub>17</sub>N<sub>2</sub>J** 1) Jodmethylat d.  $\alpha$ -[2-Chinolyl]- $\beta$ -[7-Chinolyl]äthen + 1½H<sub>2</sub>O. Sm. 225—226° (B. 23, 3650). — IV, 1075.
- C<sub>21</sub>H<sub>17</sub>N<sub>8</sub>S** 1) Triphenylthioammelin. Sm. 238°. Ag, HCl (B. 20, 1065; 21, 867; 23, 1673). — II, 398.
- C<sub>21</sub>H<sub>18</sub>ON<sub>2</sub>** C 80,3 — H 5,7 — O 5,1 — N 8,9 — M. G. 314.  
 1)  $\alpha$ -Oximido- $\beta$ -[2-Methylphenyl]imido- $\alpha$ - $\beta$ -Diphenyläthan. Sm. 178 bis 180° (M. 16, 354). — III, 284.  
 2)  $\alpha$ -Oximido- $\beta$ -[4-Methylphenyl]imido- $\alpha$ - $\beta$ -Diphenyläthan. Sm. 199 bis 200° (B. 25, 2598). — III, 290.  
 3)  $\alpha$ -Benzylimido- $\alpha$ -Benzoylamidophenylmethan (Phenylbenzoylbenzamidin). Sm. 147° (A. 296, 287, 293). — IV, 848.  
 4)  $\beta$ -Cinnamyl- $\alpha$ -Diphenylhydrazin. Sm. 205° (B. 25, 1553). — IV, 671.  
 5)  $\beta$ -Benzylidenehydrazon- $\alpha$ -Oxy- $\alpha$ - $\beta$ -Diphenyläthan. Sm. 133° (J. pr. [2] 52, 120). — III, 225.  
 6)  $\gamma$ -Phenylhydrazon- $\gamma$ -Phenyl- $\alpha$ -[2-Oxyphenyl]propen. Sm. 136° (B. 29, 378). — IV, 778.  
 7)  $\beta$ -Methylphenylhydrazon- $\alpha$ -Keto- $\alpha$ - $\beta$ -Diphenyläthan. Sm. 55—56° (A. 253, 16). — IV, 785.  
 8)  $\alpha$ -Benzoylphenylhydrazon- $\alpha$ -Phenyläthan. Sm. 124° (B. 20, 1718). — IV, 771.  
 9)  $\alpha$ -[4-Benzoylphenyl]hydrazon- $\alpha$ -Phenyläthan. Sm. 140—141° (Soc. 55, 615). — III, 187.  
 10) 1-Phenylhydrazon-2-Oxy-2-Phenyl-2,3-Dihydroinden? Sm. 160° (B. 25, 2059). — IV, 778.  
 11) 2-Phenylamido-4,5-Diphenyl-4,5-Dihydrooxazol. Sm. 162—163°. 2 + (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O) (B. 28, 1902).  
 12) Methoxyhydrat d. 2,3-Diphenyl-1,4-Benzodiazin. Zers. bei 70°. Nitrat + 3H<sub>2</sub>O (B. 25, 1632). — IV, 1079.  
 13) Phenylamid d.  $\beta$ -Phenylamido- $\beta$ -Phenylkrylsäure. Sm. 133° (A. 245, 372). — II, 1644.  
 14) Benzylidenamid d.  $\alpha$ -Phenylamido- $\alpha$ -Phenylessigsäure. Sm. 249° (B. 31, 2700).  
 15) isom. Benzylidenamid d.  $\alpha$ -Phenylamido- $\alpha$ -Phenylessigsäure. Sm. 208° (B. 31, 2700).  
 C 73,7 — H 5,2 — O 4,7 — N 16,4 — M. G. 342.  
 1) 6-Acetylamido-2,3-Diphenyl-2,3-Dihydro-1,2,4-Benztriasin. Sm. 216° u. Zers. (B. 30, 2597). — IV, 1286.  
 2) Acetyl methylphenosafranin. HCl (B. 30, 402). — IV, 1284.
- C<sub>21</sub>H<sub>18</sub>ON<sub>4</sub>** 1)  $\alpha$ -Diphenylazo- $\alpha$ -Acetylphenylhydrazonmethan (Acetylformazylazobenzol). Sm. 190° (B. 27, 149). — IV, 1492.
- C<sub>21</sub>H<sub>18</sub>OJ<sub>4</sub>** 1) Benzeldehydoxyjodid. Sm. 128° (A. 112, 22). — III, 11.
- C<sub>21</sub>H<sub>18</sub>O<sub>2</sub>N<sub>4</sub>** C 76,4 — H 5,4 — O 9,7 — N 8,5 — M. G. 330.  
 1) 4-Nitro-2-[4-Benzylidenamidobenzyl]-1-Methylbenzol. Sm. 194° (B. 26, 1854). — II, 637.

- C<sub>21</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>** 2) 2-[2-Oxybenzyliden]amido-1-[2-Oxybenzyliden]amidomethylbenzol. Sm. 107—108° (J. pr. [2] 58, 426). — IV, 638.  
 3) 2,4-Di[2-Oxybenzylidenamido]-1-Methylbenzol. Sm. 109°. Cu (A. 150, 198; 253, 330). — IV, 607.  
 4) 4-Benzoylamido-1-Methylbenzoylamidobenzol. Sm. 164,5° (B. 29, 1482). — IV, 594.  
 5) 2,4-Di[Benzoylamido]-1-Methylbenzol. Sm. 224° (B. 14, 2656). — IV, 606.  
 6) 3,4-Di[Benzoylamido]-1-Methylbenzol. Sm. 263—264° (A. 208, 315; 264, 255; 273, 349; B. 24, 631). — IV, 617.  
 7)  $\alpha\beta$ -Dibenzoyl- $\beta$ -Methyl- $\alpha$ -Phenylhydrazin. Sm. 145° (B. 18, 1741). — IV, 670.  
 8)  $\beta\beta$ -Dibenzoyl- $\alpha$ -[4-Methylphenyl]hydrazin. Sm. 188° (B. 8, 592). — IV, 809.  
 9) Benzoat d. 6-Oxy-3,4'-Dimethylenobenzol. Sm. 95° (B. 17, 354). — IV, 1422.  
 10) 2-Phtalyl-8-Methyl-5,6-Dihydro-peri-Chinolinazol. Sm. noch nicht bei 310° (B. 24, 2073). — IV, 863.  
 11)  $\beta$ -Phenylhydrazon- $\alpha$ - $\beta$ -Diphenylpropionsäure. Sm. 85—150° (?). Ag (J. pr. [2] 55, 317). — IV, 698.  
 12) Benzylidenamid d. Benzolecarbonsäure. Sm. 225° (A. 154, 76; B. 25, 211). — III, 35.  
 13) Di[Phenylamid] d. Phenylmethanidecarbonsäure (D. d. Phenylmalonsäure). Sm. 201—202° (B. 29, 2603).  
 14) Dianilidoverb. d.  $\alpha$ -Orcendialdehyd. Sm. 281° (B. 12, 1004). — III, 109.  
 15) Verbindung (aus N-Benzyl-syn-Benzaldoxim u. Phenylcarbouimid). Sm. 121° (B. 23, 2748). — III, 44.
- C<sub>21</sub>H<sub>18</sub>O<sub>2</sub>N<sub>4</sub>** C 70,4 — H 5,0 — O 8,9 — N 15,7 — M. G. 358.  
 1)  $\alpha$ -Phenyl- $\beta$ -[ $\alpha$ -Phenylamidoformylimidobenzyl]harnstoff (Benzenzyl-diphenyldiureid). Sm. 172° (B. 22, 1008). — IV, 846.  
 2) Acetat d. 4-Phenylazo-2-[4-Methylphenyl]azo-1-Oxybenzol. Sm. 92° (B. 25, 1334). — IV, 1416.  
 3) Acetat d. 2-Phenylazo-4-[4-Methylphenyl]azo-1-Oxybenzol. Sm. 130° (B. 25, 1338). — IV, 1416.  
 4) Acetat d. 3,5-Di[Phenylazo]-2-Oxy-1-Methylbenzol. Sm. 120—121° (B. 17, 364). — IV, 1424.  
 5) Acetat d. 4,6-Di[Phenylazo]-3-Oxy-1-Methylbenzol. Sm. 156—157° (B. 17, 367). — IV, 1424.  
 6) Methenylbis-4,4'-[5-Keto-3-Methyl-1-Phenyl-4,5-Dihydropyrazol]. Sm. 180—181° (J. pr. [2] 55, 170; A. 238, 184; 255, 235; 297, 37). — IV, 1273.  
 7) 4-[2-Oxaphenyl]azo-3-Keto-1,3-Dimethyl-2-Phenyl-2,3-Dihydropyrazol (Antipyrimido- $\beta$ -Naphtol) (A. 293, 57). — IV, 1489.  
 8) 6-Methyl-3-[2-Nitrophenyl]-2-[4-Methylphenyl]-2,3-Dihydro-1,2,4-Benztriazin. Sm. 230° (B. 30, 2603). — IV, 1184.  
 9) 6-Methyl-3-[3-Nitrophenyl]-2-[4-Methylphenyl]-2,3-Dihydro-1,2,4-Benztriazin. Sm. 228° (B. 30, 2603). — IV, 1184.  
 10) 6-Methyl-3-[4-Nitrophenyl]-2-[4-Methylphenyl]-2,3-Dihydro-1,2,4-Benztriazin. Sm. 264° (B. 30, 2603). — IV, 1184.  
 11) Di[Phenylamid] d. Phenylhydrazonmethan- $\alpha$ -Dicarbonsäure. Sm. 163° u. Zers. (A. 270, 290). — IV, 720.  
 12) Verbindung (aus d. Diisophylester d. 3,5-Diketo-1-Methylhexahydrobenzol-2,6-Dicarbonsäure). Sm. 315° (B. 27, 2344). — IV, 725.
- C<sub>21</sub>H<sub>18</sub>O<sub>2</sub>N<sub>4</sub>** C 65,3 — H 4,7 — O 8,3 — N 21,7 — M. G. 386.  
 1) Phenylhydrazon d. Formazylglyoxalsäure (B. 27, 152). — IV, 1228.
- C<sub>21</sub>H<sub>18</sub>O<sub>2</sub>Br<sub>2</sub>** 1)  $\beta$ -Dibrom- $\beta$ -Dioxy- $\beta$ -Dimethyltriphenylmethan. Sm. 130° (A. 257, 72). — II, 1004.
- C<sub>21</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>** C 72,8 — H 5,2 — O 13,9 — N 8,1 — M. G. 346.  
 1) 4-Nitro-2-[4-Benzoylamidobenzyl]-1-Methylbenzol. Sm. 185° (B. 26, 1853). — II, 637.  
 2)  $\beta$ -[ $\beta$ -Nitro-4-Methylphenyl]amido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan. Sm. 153° (J. pr. [2] 34, 18). — III, 220.  
 3) Benzoat d.  $\alpha$ -Oxy- $\beta$ -Phenyl- $\alpha$ -Benzylharnstoff. Sm. 120° (J. pr. [2] 56, 78).

- C<sub>21</sub>H<sub>18</sub>O<sub>4</sub>N<sub>2</sub>** 4) Benzoat d. 4'-Nitroso-2,3'-Dimethyldiphenylhydroxylamin. Sm. 181—182° (B. 31, 1518).  
 5) 2-Oxybenzoat d.  $\alpha$ -Phenylhydrason- $\beta$ -Oxy- $\alpha$ -Phenyläthan. Sm. 133° (C. 1896 [1] 765).  
 6) 4'-Benzoat d. 2,4'-Dioxyazobenzol-2-Aethyläther. Sm. 99° (B. 31, 2118; C. 1897 [2] 549). — IV, 1407.  
 7) 4'-Benzoat d. 4,4'-Dioxyazobenzol-4-Aethyläther. Sm. 127° (B. 31, 2120; C. 1897 [2] 549). — IV, 1406.  
 8) Hydroxalicylamid. Sm. 156° (145%). Fe + NH<sub>3</sub>, Cu<sub>2</sub> + 2NH<sub>3</sub> (A. 35, 261; J. 1857, 317; B. 10, 1271; 27, 1801 Ann.). — III, 71.  
 9) Phenylamidoformiat d. Benzoylbensylhydroxylamin. Sm. 140° (J. pr. [2] 56, 79).  
 10) 2-Phenylamidoformiat d. Benzol-1-Carbonsäure-2-[Benzylamidoameisen-säure (J. pr. [2] 49, 319).  
 11) 2-Nitrodi[4-Methylphenyl]amid d. Benzolcarbonsäure. Sm. 167° (B. 15, 831). — II, 1165.
- C<sub>21</sub>H<sub>18</sub>O<sub>5</sub>N<sub>4</sub>** C 67,4 — H 4,8 — O 12,8 — N 15,0 — M. G. 374.  
 1) Phenylhydrazinderivat d. Carbanilidoisatin. Sm. 193° (J. pr. [2] 32, 291). — II, 1604.
- C<sub>21</sub>H<sub>18</sub>O<sub>5</sub>S<sub>3</sub>** 1)  $\beta$ -Trithio-2-Oxybenzaldehyd. Sm. 210°. Na<sub>2</sub> (A. 277, 343). — III, 71.  
 2)  $\beta$ -Trithio-3-Oxybenzaldehyd. Sm. 212° (A. 277, 346). — III, 80.  
 3)  $\beta$ -Trithio-4-Oxybenzaldehyd. Sm. 215° u. Zers. + 3(2)C<sub>6</sub>H<sub>6</sub>O (B. 29, 140; A. 277, 349). — III, 83.
- C<sub>21</sub>H<sub>18</sub>O<sub>4</sub>N<sub>2</sub>** C 69,6 — H 5,0 — O 17,7 — N 7,7 — M. G. 362.  
 1) Cotoin-2-Methylazobenzol. Sm. 203—204° (Soc. 71, 1150). — IV, 1479.  
 2) Cotoin-4-Methylazobenzol. Sm. 207—208° (Soc. 71, 1150). — IV, 1479.  
 3) Diphenylester d. 4-Methyl-1,3-Phenylendi[amidoameisensäure]. Sm. 147,5° (Soc. 49, 257). — IV, 603.  
 4) Phenylamid d. Phenylimiddehydracetcarbonsäure. Sm. 156—157° (A. 273, 210). — II, 424.
- C<sub>21</sub>H<sub>18</sub>O<sub>4</sub>N<sub>4</sub>** C 64,6 — H 4,6 — O 16,4 — N 14,4 — M. G. 390.  
 1)  $\alpha$ -Phenylhydrazondi[3-Nitro-4-Methylphenyl]methan. Sm. 169—170° (A. 271, 7). — IV, 777.  
 2)  $\beta$ -Di[5-Keto-1-Phenyl-4,5-Dihydropyrazolyl-4]propionsäure (B. 28, 633). — IV, 1266.
- C<sub>21</sub>H<sub>18</sub>O<sub>5</sub>N<sub>2</sub>** C 66,7 — H 4,8 — O 21,1 — N 7,4 — M. G. 378.  
 1) Verbindung (aus Diphenylketon-2,2'-Dicarbonsäure). Sm. 155° (A. 242, 252). — IV, 719.
- C<sub>21</sub>H<sub>18</sub>O<sub>5</sub>S** 1) o-Kresolsulfonphthalein (Am. 20, 265).
- C<sub>21</sub>H<sub>18</sub>O<sub>6</sub>N<sub>2</sub>** C 63,9 — H 4,6 — O 24,4 — N 7,1 — M. G. 394.  
 1) P-Dinitro-P-Dioxy-P-Dimethyltriphenylmethan. Sm. 127° (A. 257, 73). — II, 1004.
- C<sub>21</sub>H<sub>18</sub>O<sub>6</sub>N<sub>4</sub>** C 59,7 — H 4,3 — O 22,7 — N 13,3 — M. G. 422.  
 1) Tri[2-Nitrobenzyl]amin. Sm. 157° (B. 19, 1604). — II, 522.  
 2) Tri[4-Nitrobenzyl]amin. Sm. 163° (B. 6, 1058). — II, 522.  
 3) isom. Tri[2-Nitrobenzyl]amin. Sm. 159° (B. 19, 1030). — II, 522.
- C<sub>21</sub>H<sub>18</sub>O<sub>6</sub>S<sub>3</sub>** 1)  $\beta$ -Trithio-2,5-Dioxybenzaldehyd ( $\beta$ -Trithiogentisinaldehyd). Sm. 190° u. Zers. + 2C<sub>6</sub>H<sub>6</sub>O (B. 29, 148). — III, 99.
- C<sub>21</sub>H<sub>18</sub>O<sub>8</sub>S** 1) Verbindung (aus Orcin u. Benzol-1-Carbonsäure-2-Sulfonsäure) (Am. 18, 528).
- C<sub>21</sub>H<sub>18</sub>O<sub>10</sub>N<sub>2</sub>** C 55,0 — H 3,9 — O 34,9 — N 6,1 — M. G. 458.  
 1) Diäthylester d.  $\alpha\gamma$ -Diketo- $\alpha\gamma$ -Di[2-Nitrophenyl]propan- $\beta\beta$ -Dicarbonsäure (D. d. Dinitrobenzoylmalonäure). Sm. 93° (B. 17, 2739). — II, 2029.
- C<sub>21</sub>H<sub>18</sub>NCl<sub>3</sub>** 1) Tri[4-Chlorbenzyl]amin. Sm. 78,5° (88—89%). HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (A. 151, 139; Am. 2, 92). — II, 522.
- C<sub>21</sub>H<sub>18</sub>NBr<sub>3</sub>** 1) Tri[2-Brombenzyl]amin. Sm. 121,5—122°. (2HCl, PtCl<sub>4</sub>) (Am. 2, 319). — II, 522.  
 2) Tri[4-Brombenzyl]amin. Sm. 76—78° (92%). HBr (B. 10, 1211; Am. 3, 251). — II, 522.
- C<sub>21</sub>H<sub>18</sub>NJ** 1) Jodäthylat d. 3-Phenyl- $\beta$ -Naphtochinolin. Sm. 232° (A. 249, 134). — IV, 467.
- C<sub>21</sub>H<sub>18</sub>NJ<sub>2</sub>** 1) Tri[4-Jodbenzyl]amin. Sm. 114,5°. (2HCl, PtCl<sub>4</sub>) (B. 11, 57; Am. 2, 250). — II, 522.

- C<sub>21</sub>H<sub>18</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) Verbindung (aus Hydrobenzamid) (A. 111, 144). — III, 21.
- C<sub>21</sub>H<sub>18</sub>N<sub>2</sub>S** 1) 2-Thiocarbonyl-1-Benzyl-3-Phenyl-1,2,3,4-Tetrahydro-1,3-Benzodiazin. Sm. 93°. HCl, HNO<sub>3</sub> (B. 27, 3245). — IV, 635.
- C<sub>21</sub>H<sub>18</sub>N<sub>2</sub>Cl** 1) 2-Chlormethylat d. 1,3,5-Triphenyl-1,2,4-Triazol. 2 + PtCl<sub>6</sub> (J. pr. [2] 54, 158). — IV, 1187.
- C<sub>21</sub>H<sub>18</sub>N<sub>2</sub>S** 1) α-Di[2-Naphthylamido]thioharnstoff. Sm. 137—140° (B. 24, 4199). — IV, 929.
- C<sub>21</sub>H<sub>19</sub>ON** C 73,7 — H 6,3 — O 5,3 — N 4,7 — M. G. 301.
- 1) α-Keto-γ-[4-Amidophenyl]-γ-Diphenylpropan. Sm. 140—141°. HCl (B. 23, 2077). — III, 259.
  - 2) γ-Phenylamido-α-Keto-γ-Diphenylpropan (Benzalacetophenonanilin). Sm. 175° (B. 31, 353).
  - 3) β-Benzylidenamido-α-Oxy-β-Diphenyläthan (B. 28, 1866; 30, 1527, 2896). — III, 11.
  - 4) Methyläther d. 4-Oxybenzylidenamidodiphenylmethan. Sm. 110 bis 111° (B. 26, 2170). — III, 85.
  - 5) β-[2-Methylphenyl]amido-α-Keto-β-Diphenyläthan (o-Desyltoluid). Sm. 141° (M. 9, 693). — III, 220.
  - 6) β-[4-Methylphenyl]amido-α-Keto-β-Diphenyläthan. Sm. 145°. HCl (M. 14, 288; B. 26, 1338; 29, 1737; J. pr. [2] 34, 16). — III, 220.
  - 7) α-Oximido-β-Triphenylpropan. Sm. 208° (B. 21, 1300). — III, 259.
  - 8) Benzyläther d. anti-α-Oximido-4-Methyldiphenylmethan. Sm. 85° (B. 23, 2330). — III, 215.
  - 9) Benzyläther d. syn-α-Oximido-4-Methyldiphenylmethan. Sm. 51° (B. 23, 2777). — III, 215.
  - 10) 3-Acetylaminodotriphenylmethan. Sm. 115° (B. 21, 190). — II, 641.
  - 11) 4-Acetylaminodotriphenylmethan. Sm. 176° (168—169°; 157°) (A. 241, 367; B. 23, 1624; 24, 725). — II, 641.
  - 12) α-Acetylaminodotriphenylmethan. Sm. 207—208° (B. 17, 744). — II, 642.
  - 13) α-Benzoylamido-β-Diphenyläthan. Sm. 177—178° (B. 22, 1412). — II, 1169.
  - 14) Diphenylamid d. 1,2-Dimethylbenzol-4-Carbonsäure. Sm. 134 bis 136° (B. 20, 2119). — II, 1375.
  - 15) Diphenylamid d. 1,3-Dimethylbenzol-4-Carbonsäure. Sm. 141 bis 142° (B. 20, 2120). — II, 1376.
  - 16) Di-β-Methylphenylamid d. Benzolcarbonsäure. Sm. 125° (B. 6, 446; J. 1880, 541). — II, 1165.
  - 17) Benzyl-4-Methylphenylamid d. Benzolcarbonsäure. Sm. 87—88°; Sd. 275—285° (Bl. [3] 6, 139). — II, 1166.
- C<sub>21</sub>H<sub>19</sub>ON<sub>3</sub>** C 76,6 — H 5,8 — O 4,8 — N 12,8 — M. G. 329.
- 1) α-Methyl-α-Phenyl-β-[α-Benzoylamidobenzyliden]hydrazin. Sm. 125° (A. 298, 291). — IV, 1137.
  - 2) α-α-Diphenyl-β-[α-Acetylaminobenzyliden]hydrazin (Monacetyl diphenylbenzenhydrazidin). Sm. 185° (J. pr. [2] 54, 173). — IV, 1137.
  - 3) 6-Benzoylamido-3,4-Dimethylazobenzol. Sm. 135° (B. 17, 80). — IV, 1378.
  - 4) 2-Methoxyhydrat d. 1,3,5-Triphenyl-1,2,4-Triazol. Sm. 181°. + C<sub>6</sub>H<sub>6</sub>, 2-Chlorid + PtCl<sub>6</sub> (J. pr. [2] 54, 157). — IV, 1187.
  - 5) 6-Dimethylamido-2-[2-Oxyphenyl]-1-Phenylbenzimidazol. Sm. 239,5 bis 241° (A. 303, 361).
  - 6) 6-Methyl-3-[3-Oxyphenyl]-2-[4-Methylphenyl]-2,3-Dihydro-1,2,4-Benztriazin. Sm. 265° (B. 30, 2603). — IV, 1184.
  - 7) Phenylamid d. β-Benzyliden-α-Phenylhydrazidoessigsäure. Sm. 223° (A. 301, 60).
- C<sub>21</sub>H<sub>19</sub>O<sub>2</sub>N** C 79,5 — H 6,0 — O 10,1 — N 4,4 — M. G. 317.
- 1) 3-Nitrophenyldi-β-Methylphenylmethan. Sm. 85° (B. 21, 189). — II, 290.
  - 2) α-Oxy-3-Acetylaminodotriphenylmethan. Sm. 164° (B. 21, 191). — II, 1084.
  - 3) α-Oxy-4-Acetylaminodotriphenylmethan. Sm. 176° (B. 23, 1624). — II, 1084.
  - 4) 4-Benzyläther d. anti-α-Oximido-4-Oxydiphenylmethan. Sm. 59 bis 60,5° (A. 264, 158). — III, 194.

- C<sub>21</sub>H<sub>19</sub>O<sub>1</sub>N**
- 5) **4-Benzyläther d. syn- $\alpha$ -Oximido-4-Oxydiphenylmethan.** Sm. 73—74° (A. 264, 159). — III, 194.
  - 6) **Dibenzyläther d. 2-Oxybenzaldoxim.** Sm. 34° (B. 26, 2625). — III, 77.
  - 7) **Methylester d.  $\alpha$ -Phenylamidodiphenylessigsäure.** Sm. 106—107° (B. 22, 1213). — II, 1465.
  - 8) **Benzoat d.  $\beta$ -Amido- $\alpha$ -Oxy- $\alpha\beta$ -Diphenyläthan.** Sm. 236—237° (B. 29, 1215).
  - 9) **Benzoat d. Dibenzylhydroxylamin.** Sm. 96—97° (A. 257, 221). — II, 1209.
- C<sub>21</sub>H<sub>19</sub>O<sub>2</sub>N<sub>3</sub>**
- 1)  $\alpha$ -[4-Methylphenyl]imido- $\alpha$ -[4-Methylphenyl]amido- $\alpha$ -[4-Nitrophenyl]methan. Sm. bei 300° u. Zers. (B. 25, 1085). — IV, 845.
  - 2)  **$\beta$ -Phenacylamido- $\alpha\beta$ -Diphenylharnstoff.** Sm. 144° (B. 27, 1518). — IV, 675.
  - 3) **Diphenyl-4-Methylphenylbiuret.** Sm. 214—216° (B. 21, 506). — II, 495.
  - 4) **5-Methyl-2-[2-Nitrophenyl]-1-[4-Methylphenyl]-2,3-Dihydrobenzimidazol.** Sm. 113° (B. 23, 3801). — IV, 995.
  - 5) **5-Phenoxyhydrat d. 3-Acetylamo-2-Methyl-5,10-Naphthdiasin-Chlorid, 2Chlorid + PtCl<sub>6</sub>, Nitrat + H<sub>2</sub>O (B. 31, 969). — IV, 1182.**
  - 6) **Diphenylamid d. Phenylamidomalonsäure.** Sm. 162° (246—247°) (A. 209, 231; B. 31, 554). — II, 436.
- C<sub>21</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>**
- 1)  **$\alpha$ -Phenyl- $\beta$ -[4-Methylphenyl]- $\beta$ -[2-Nitrobenzyl]harnstoff.** Sm. 119° (B. 27, 45). — II, 526.
- C<sub>21</sub>H<sub>19</sub>O<sub>3</sub>N<sub>5</sub>**
- C 64,7 — H 4,9 — O 12,3 — N 18,0 — M. G. 389.
- C<sub>21</sub>H<sub>19</sub>O<sub>4</sub>N**
- 1) **Phenylbenzoylamidokaffein.** Sm. 225° (B. 27, 3091). — III, 980.
  - C 72,2 — H 5,4 — O 18,3 — N 4,0 — M. G. 349.
  - 1) **3-Nitro- $\beta$ -Dioxy- $\beta$ -Dimethyltriphenylmethan** (G. 21 [2] 344). — II, 1004.
  - 2) **Phloretinanilid** (A. 156, 9). — III, 230.
  - 3) **Fumarin.** Sm. 199° (2HCl, PtCl<sub>6</sub>, (HCl, AuCl<sub>5</sub>, (HJ, HgJ<sub>2</sub>) (J. 1852, 550; 1889, 2010; Z. 1866, 414; Bl. [3] 15, 541). — III, 883.
  - 4) **2,6-Dimethyl-1,4-Diphenyl-1,4-Dihydropyridin-1,4-Dicarbonsäure.** Sm. 165° (M. 17, 352). — IV, 371.
  - 5) **Methylester d. 3,4-Dioxy-1-[2-Naphthyl]imidomethylbenzoldimethyläther-2-Carbonsäure.** Sm. 131° (B. 29, 182).
  - 6) **Aethylester d.  $\beta$ -Cyan- $\alpha$ -Dibenzoylpropan- $\beta$ -Carbonsäure.** Sm. 142° (B. 27 [2] 665).
  - 7) **3-Aethylester d. 2-Methyl-1,5-Diphenylpyrazol-1<sup>5</sup>,3-Dicarbonsäure.** Sm. 160° (B. 19, 3162). — IV, 358.
- C<sub>21</sub>H<sub>19</sub>O<sub>4</sub>N<sub>2</sub>**
- C 66,8 — H 5,0 — O 17,0 — N 11,1 — M. G. 377.
  - 1) **2-Methylphenyldi[2-Nitrobenzyl]amin.** Sm. 205° (B. 26, 2588). — II, 521.
  - 2) **4-Methylphenyldi[2-Nitrobenzyl]amin.** Sm. 160° (B. 25, 3581). — II, 521.
  - 3) **4-Methylphenyldi[4-Nitrobenzyl]amin.** Sm. 189° (B. 25, 3581). — II, 521.
  - 4) **2,2-Dinitrotribenzylamin.** Sm. 82° (B. 26, 2587). — II, 522.
  - 5) **2-[ $\alpha$ -Phenylhydrazon-3,4-Dimethoxybenzyl]pyridin-4-Carbonsäure.** Sm. 223° u. Zers. HCl (M. 10, 638). — IV, 178.
- C<sub>21</sub>H<sub>19</sub>O<sub>4</sub>N<sub>5</sub>**
- 1)  **$\beta$ -Phenylhydrazon- $\alpha$ -[ $\beta$ -Dinitro- $\beta$ -Phenylamidophenyl]propan.** Sm. 140° (Am. 12, 180). — IV, 773.
- C<sub>21</sub>H<sub>19</sub>O<sub>4</sub>Br**
- 1) **4-Brombenzyläther d. Curcumin.** Sm. 76—78° (Am. 4, 77). — III, 660.
- C<sub>21</sub>H<sub>19</sub>O<sub>5</sub>N**
- 1) **Verbindung** (aus 3,5-Dioxy-1-Methylbenzol) (M. 11, 231). — II, 966.
  - 2) **Hydroxylaminverbindung** (aus Curcumin). Sm. 173° (B. 30, 194).
- C<sub>21</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>**
- C 64,1 — H 4,8 — O 20,3 — N 10,7 — M. G. 393.
  - 1) **Methyläther d. 2-Oxyphenyldi[2-Nitrobenzyl]amin.** Sm. 117° (J. pr. [2] 54, 278).
- C<sub>21</sub>H<sub>19</sub>O<sub>6</sub>N**
- 1) **3-Nitrophenyldi[3,5-Dioxy-1-Methylphenyl]methan.** Erweicht bei 241° (G. 21, 169). — II, 1039.

- C<sub>11</sub>H<sub>19</sub>O<sub>5</sub>N**
- 2) Diacetat d. **7,8-Dioxy-2-[4-Dimethylamidophenyl]-1,4-Benzopyron.** Sm. 182° (B. 29, 2434).
  - 3) **Anhydronarceonsäure** (Imid d. Narceonsäure). Sm. 177,5—178,5° (A. 286, 253). — II, 2082.
- C<sub>11</sub>H<sub>19</sub>O<sub>5</sub>Br<sub>3</sub>**
- 1) **Monacetat d. Tribrombrasilintrimethyläther.** Sm. 179—180° (B. 27, 527). — III, 654.
- C<sub>11</sub>H<sub>19</sub>O<sub>5</sub>N**
- C 63,5 — H 4,8 — O 28,2 — N 3,5 — M. G. 397.
  - 1) **Oxim** (aus Narceonsäure). Sm. 201—202° (A. 286, 254). — II, 2082.
- C<sub>11</sub>H<sub>19</sub>O<sub>5</sub>N**
- C 61,0 — H 4,6 — O 31,0 — N 3,4 — M. G. 413.
  - 1) **Methylester d. Anhydroberberilsäure.** Sm. 178—179° (Soc. 57, 1037). — III, 802.
- C<sub>11</sub>H<sub>19</sub>O<sub>5</sub>Br**
- 1) **Bromnarceonsäure.** Sm. 171—172° (A. 286, 254). — II, 2082.
- C<sub>11</sub>H<sub>19</sub>NS<sub>2</sub>**
- 1) **Thiobenzaldin.** Sm. 125° (A. 38, 323). — III, 28.
- C<sub>11</sub>H<sub>19</sub>N<sub>2</sub>Cl**
- 1) **Dimethylcyaninchlorid + 5H<sub>2</sub>O.** Sm. bei 300° u. Zers. (HCl, PtCl<sub>4</sub>) (R. 2, 318). — IV, 315.
- C<sub>11</sub>H<sub>19</sub>N<sub>2</sub>Br**
- 1) **Base** (aus  $\alpha$ -Benzylimido- $\alpha$ -Methylphenylamido- $\alpha$ -Phenylmethan). Sm. 102°. HBr (A. 273, 26). — IV, 843.
- C<sub>11</sub>H<sub>19</sub>N<sub>2</sub>J**
- 1) **Dimethylcyaninjodid.** Sm. 291° (R. 2, 318). — IV, 314.
  - 2) **1-Jodomethylat d. 2-Phenyl-1-Benzylbenzimidazol** (B. 11, 1654). — IV, 563.
- C<sub>11</sub>H<sub>20</sub>ON<sub>2</sub>**
- C 79,7 — H 6,3 — O 5,1 — N 8,8 — M. G. 316.
  - 1) **4-[2-Oxybenzyliden]amido-2,3'-Dimethyldiphenylamin.** Sm. 112° (B. 31, 1519).
  - 2) **Aethyläther d. 4-Benzylidenamido-4'-Oxydiphenylamin.** Sm. 109 bis 110° (B. 26, 694). — IV, 584.
  - 3) **Aethyltriphenylharnstoff.** Sm. 80° (B. 9, 712; 14, 2185). — II, 981.
  - 4)  **$\alpha$ -Phenyl- $\beta$ -[ $\alpha$ / $\beta$ -Diphenyläthyl]harnstoff.** Sm. 129° (B. 22, 1411). — II, 636.
  - 5)  **$\alpha$ -Phenyl- $\beta$ -Di[4-Methylphenyl]harnstoff.** Sm. 135—136° (B. 25, 1821). — II, 495.
  - 6)  **$\alpha$ -Phenyl- $\alpha$ / $\beta$ -Dibenzylharnstoff.** Sm. 102—103° (Soc. 59, 567). — II, 526.
  - 7)  **$\alpha$ -Phenyl- $\beta$ / $\beta$ -Dibenzylharnstoff.** Sm. 126—128° (145—146°) (B. 25, 1820; Soc. 63, 539). — II, 526.
  - 8)  **$\alpha$ -Phenyl- $\beta$ -Benzyl- $\beta$ -[4-Methylphenyl]harnstoff.** Sm. 111—113° (B. 25, 1823). — II, 526.
  - 9)  **$\alpha$ -Phenyl- $\beta$ -[ $\alpha$ -Phenyl-4-Methylbenzyl]harnstoff.** Sm. 206° (B. 24, 2802). — II, 637.
  - 10) **Methyläther d.  $\alpha$ -Phenyl- $\alpha$ -Benzyl- $\beta$ -[4-Oxybenzyliden]hydrazin.** Sm. 135—136° (G. 27 [2] 238). — IV, 812.
  - 11)  **$\beta$ -Benzoyl- $\alpha$ -Di[2-Methylphenyl]hydrazin.** Sm. 309° (B. 25, 1079). — IV, 802.
  - 12)  **$\beta$ -Benzoyl- $\alpha$ -Di[4-Methylphenyl]hydrazin.** Sm. 186,5° (B. 19, 1547). — IV, 809.
  - 13)  **$\alpha$ -Benzoyl- $\alpha$ / $\beta$ -Dibenzylhydrazin.** Sm. 87° (B. 28, 2346; J. pr. [2] 58, 378). — IV, 811.
  - 14) **2-[2-Oxyphenyl]-1,3-Diphenyltetrahydroimidazol** (Salicylalkylen-anilin). Sm. 116° (B. 20, 733). — III, 73.
  - 15) **Aethyläther d. 6-Oxy-1,2-Diphenyl-2,3-Dihydroimidazol.** Sm. 152° (B. 25, 1008). — III, 32.
  - 16) **5-Methyl-2-[2-Oxyphenyl]-1-[4-Methylphenyl]-2,3-Dihydrobenzimidazol.** Sm. 160° (B. 23, 3801). — IV, 995.
- C<sub>11</sub>H<sub>20</sub>ON<sub>4</sub>**
- C 73,3 — H 5,8 — O 4,6 — N 16,3 — M. G. 344.
  - 1)  **$\beta$ -Acetyl- $\beta$ -Phenylamidophenylimidomethyl- $\alpha$ -Phenylhydrazin.** Sm. 157° (J. pr. [2] 58, 463).
  - 2)  **$\alpha$ -Phenylazo- $\beta$ -Di[4-Methylphenyl]harnstoff.** Sm. 130° (B. 21, 2565). — IV, 1570.
  - 3)  **$\alpha$ -Phenyl- $\beta$ -[4-Methylphenyl]azo- $\beta$ -Benzylharnstoff.** Sm. 115—116° (B. 21, 1023). — IV, 1569.
  - 4) **6-Phenylureido-3,4'-Dimethylazobenzol.** Sm. 219° (B. 23, 501). — IV, 1378.
  - 5) **2-Oxy- $\beta$ -Di[2-Methylphenylazo]-1-Methylbensol.** Sm. 148,5° (B. 23, 3260). — IV, 1424.

- C<sub>21</sub>H<sub>20</sub>ON<sub>4</sub>** 6) 2-Oxy- $\beta$ -Di[4-Methylphenylazo]-1-Methylbenzol. Sm. 164,5° (B. 23, 3261). — IV, 1424.  
 7) 2-Oxy- $\beta$ -Di[4-Methylphenylazo]-1-Methylbenzol. Sm. 107° (A. 287, 189). — IV, 1424.  
 8) 3-Oxy- $\beta$ -Di[2-Methylphenylazo]-1-Methylbenzol. Sm. 188° (A. 287, 187). — IV, 1424.  
 9) 3-Oxy- $\beta$ -Di[3-Methylphenylazo]-1-Methylbenzol. Sm. 102—103° (A. 287, 188). — IV, 1424.  
 10)  $\beta$ -Phenylhydrazid d.  $\alpha$ -Phenyl- $\beta$ -Benzylidenhydrazidoessigsäure. Sm. 196° (B. 29, 623; A. 301, 74).
- C<sub>21</sub>H<sub>20</sub>OBr<sub>4</sub>** 1) 2,7-Dibromo-2,7-Di[ $\alpha$ -Brombenzyl]-1-Keto-R-Heptamethylen. Sm. 185° u. Zers. (B. 30, 2263).
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>** C 75,9 — H 6,0 — O 9,6 — N 8,4 — M. G. 332.  
 1) 2-Nitro-1-Dibenzylamidomethylbenzol (2-Nitrotribenzylamin). Sm. 56°. HCl (J. pr. [2] 51, 257).  
 2)  $\alpha$ -Phenyl- $\beta$ -[ $\beta$ -Oxy- $\alpha$ - $\beta$ -Diphenyläthyl]harnstoff. Sm. 176° (B. 28, 1902).  
 3) Benzyläther d.  $\alpha$ -Oxy- $\beta$ -Phenyl- $\alpha$ -Benzylharnstoff. Sm. 107° (J. pr. [2] 56, 77).  
 4) 2-Acetylamoido-1-[2-Naphtylacetylamido]methylbenzol. Sm. 116° (J. pr. [2] 52, 413). — IV, 628.  
 5)  $\beta$ -Acetyl-1-[ $\beta$ -Acetylamoido-2-Methylphenyl]napthalin. Sm. 261° u. Zers. (B. 26, 145). — IV, 1034.  
 6) 1 $\beta$ -Methyläther d. 2-[2-Oxybenzyliden]amido-1-[2-Oxyphenylamido]-methylbenzol. Sm. 79° (J. pr. [2] 52, 403). — IV, 629.  
 7) Dimethyläther d.  $\alpha$ -Phenylhydrazon-3,4[ $\beta$ ]-Dioxydiphenylmethan. Sm. 174° (J. pr. [2] 53, 253). — IV, 776.  
 8) Phenylhydrazon d. Lapachol. Sm. 108—109° (G. 19, 613). — IV, 796.  
 9) Phenylhydrazon d. Lapachon. Sm. 188—189° (G. 19, 616). — IV, 795.  
 10) 3,5 [oder 5,6]-Di[4-Methylphenylamido]-2-Methyl-1,4-Benzochinon. Sm. 178° (A. 262, 251). — III, 360.  
 11) 3,6-Di-4-Methylphenylamido]-2-Methyl-1,4-Benzochinon. Sm. 241° (A. 256, 259). — III, 360.  
 12) Äthyläther d.  $\beta$ -Phenylamido- $\beta$ -Oxy-2-Methyl-1,4-Benzochinon-phenylimid. Sm. 115—116°. (2HCl, PtCl<sub>4</sub>) (B. 16, 1561). — III, 361.  
 13)  $\alpha\beta$ -Diacetyl- $\alpha$ -[2-Methylphenyl]- $\beta$ -[1-Naphtyl]hydrazin. Sm. 252° (B. 26, 145). — IV, 1504.  
 14) Phenylamidoformiat d. Dibenzylhydroxylamin. Sm. 117° (J. pr. [2] 56, 78).  
 15) Amid d.  $\alpha$ -Phenylamido- $\beta$ -Oxy- $\alpha\beta$ -Diphenylpropionsäure. Sm. 168° (B. 25, 2069). — II, 1698.  
 16) Verbindung (aus Oenanthon u. 2-Amidobenzol-1-Carbonsäure). Sm. 243° (B. 28, 2822).
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>4</sub>** C 70,0 — H 5,6 — O 8,9 — N 15,5 — M. G. 360.  
 1) 4-Methyl-1,2-Phenylendi[ $\beta$ -Phenylharnstoff]. Sm. 208—209° (J. pr. [2] 41, 326). — IV, 614.  
 2) 4-Methyl-1,3-Phenylendi[ $\beta$ -Phenylharnstoff]. Sm. oberh. 300° (261°) (B. 18, 1477; C. 1898 [1] 945). — IV, 603.  
 3) Di-[5-Keto-3-Methyl-1-Phenyl-4,5-Dihydro-4-Pyrazolyl]methan + 1 $\frac{1}{2}$ H<sub>2</sub>O (A. 255, 249). — IV, 1264.  
 4) Di[ $\beta$ -Phenylhydrazid] d. Phenylmethanidecarbonsäure. Sm. 254° (B. 29, 2603). — IV, 711.  
 5) Di[Cinnamylidenhydrazid] d. Methanidecarbonsäure. Sm. 217° (J. pr. [2] 51, 189). — III, 62.  
 6) Verbindung (aus d. Verb. C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>4</sub>). Sm. 115—118° (A. 218, 191). — III, 74.
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>6</sub>** C 65,0 — H 5,2 — O 8,2 — N 21,6 — M. G. 388.  
 1) 4-[4-Antipyryl]hydrazon-5-Keto-3-Methyl-1-Phenyl-4,5-Dihydro-pyrazol. Zers. bei 200—205° (A. 293, 69). — IV, 1582.
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>S<sub>2</sub>** 1) Diphenyläther d.  $\alpha$ -Phenylsulfon- $\beta\beta$ -Dimerkapto-propan. Sm. 103 bis 104° (J. pr. [2] 36, 409; B. 24, 237). — II, 790.  
 2) Diphenyläther d.  $\alpha$ -Phenylsulfon- $\beta\gamma$ -Dimerkapto-propan. Sm. 75 bis 77° (A. 283, 204, 206).

- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>** C 72,4 — H 5,7 — O 13,8 — N 8,0 — M. G. 348.  
 1) **Allylester d.  $\alpha\beta$ -Di[Phenylimido]- $\gamma$ -Ketopentan- $\alpha$ -Carbonsäure.** Sm. 136° (B. [3] 13, 483).
- C<sub>21</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>** C 69,2 — H 5,5 — O 17,6 — N 7,7 — M. G. 364.  
 1) **Alstonin (Chlorogenin).** Sm. unter 100° (195° wasserfrei). (2HCl, HgCl<sub>2</sub>), (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O), H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> (A. 206, 363; A. Sp. 4, 45). — **III, 776.**  
 2) **Aesthelester d. 3,5-Diketo-4-Phenylhydrazen-1-Phenylhexahydrobenzol-2-Carbonsäure.** Sm. 163° u. Zers. (A. 294, 283). — **IV, 1475.**
- C<sub>21</sub>H<sub>20</sub>O<sub>4</sub>N<sub>4</sub>** C 64,3 — H 5,1 — O 16,3 — N 14,3 — M. G. 392.  
 1) **3,4-Di[2-Nitrobenzylamido]-1-Methylbenzol.** Sm. 129° (B. 25, 3583). — **IV, 612.**
- C<sub>21</sub>H<sub>20</sub>O<sub>4</sub>S<sub>2</sub>** 1) **Benzylidendi[benzylsulfon].** Sm. 213° (B. 25, 360; 28, 1111). — **III, 9.**  
**C<sub>21</sub>H<sub>20</sub>O<sub>4</sub>S<sub>2</sub>** 1) **Phenyläther d.  $\alpha\beta$ -Diphenylsulfon- $\gamma$ -Merkaptopropan.** Sm. 156 bis 157° (148—149°) (B. 24, 234, 1516). — **II, 791.**
- C<sub>21</sub>H<sub>20</sub>O<sub>6</sub>N<sub>4</sub>** C 59,4 — H 4,7 — O 22,6 — N 13,2 — M. G. 424.  
 1)  **$\alpha$ -Dinitrotrychnin.** Sm. 226°. HNO<sub>3</sub> (B. 14, 774). — **III, 941.**  
 2)  **$\beta$ -Dinitrotrychnin.** Zers. bei 205°. HCl (B. 41, 235). — **III, 941.**
- C<sub>21</sub>H<sub>20</sub>O<sub>6</sub>S<sub>2</sub>** 1)  **$\alpha\beta\gamma$ -Tri[Phenylsulfon]propan.** Sm. 226° (A. 283, 197, 202, 204, 205; B. 23, 1413). — **II, 783.**
- C<sub>21</sub>H<sub>20</sub>O<sub>11</sub>Br<sub>2</sub>,1)** Dibromquecitrin (B. 12, 1184). — **III, 603.**
- C<sub>21</sub>H<sub>20</sub>N<sub>8</sub>S** 1)  **$\alpha$ -Phenyl- $\beta$ -[ $\alpha$ - $\beta$ -Diphenyläthyl]thioharnstoff.** Sm. 170° (B. 22, 1412). — **II, 636.**  
 2)  **$\alpha$ -Phenyl- $\beta$ -Dibenzylthioharnstoff.** Sm. 102—103° (Soc. 59, 567). — **II, 529.**
- C<sub>21</sub>H<sub>20</sub>N<sub>5</sub>Cl** 1) **Chlorbenzylat d. 5-Methyl-1-Benzyl-1,2,3-Benstriazol.** Sm. 192°. 2 + PtCl<sub>4</sub> (A. 240, 131). — **IV, 1146.**
- C<sub>21</sub>H<sub>20</sub>N<sub>4</sub>S<sub>2</sub>** 1) **4-Methyl-1,2-Phenylendi[ $\beta$ -Phenylthioharnstoff]** (A. 221, 19). — **IV, 615.**  
 2) **4-Methyl-1,3-Phenylendi[ $\beta$ -Phenylthioharnstoff].** Sm. 173° (168°) (B. 8, 670; 17, 3046; 18, 3293; 20, 228). — **IV, 604.**  
 3) **2-Methyl-1,4-Phenylendi[ $\beta$ -Phenylthioharnstoff].** Sm. 181° (A. 228, 206). — **IV, 609.**
- C<sub>21</sub>H<sub>21</sub>ON** C 83,2 — H 6,9 — O 5,3 — N 4,6 — M. G. 303.  
 1)  **$\beta$ -[4-Methylphenyl]amido- $\alpha$ -Oxy- $\beta$ -Diphenyläthan (p-Hydrobenzo-n-toluoid).** Sm. 140° (J. pr. [2] 34, 21). — **III, 221.**
- Benzyläther d. Dibenzylhydroxylamin.** Fl. HCl, (2HCl, PtCl<sub>4</sub>), Pikrat (A. 257, 226; 266, 319). — **II, 536.**
- 3) **3-Cinnamyl-1,2,4-Trimethyl-1,2-Dihydrochinolin?** Sm. 152—153° (G. 24 [2] 300). — **IV, 242.**
- C<sub>21</sub>H<sub>21</sub>ON<sub>3</sub>** C 76,1 — H 6,3 — O 4,8 — N 12,7 — M. G. 331.  
 1)  **$\alpha$ -Phenyl- $\beta$ -[4-Methylphenyl]- $\beta$ -[2-Amidobenzyl]harnstoff.** Sm. 129°. HCl, (2HCl, PtCl<sub>4</sub>), Oxalat, Pikrat (B. 27, 46; J. pr. [2] 55, 244). — **IV, 633.**  
 2) **2-[2-Oxyphenyl]-3-[2-Amidobenzyl]-1,2,3,4-Tetrahydro-1,3-Benzodiasin.** Sm. 166° (J. pr. [2] 55, 369). — **IV, 638.**  
 3) **2[4-Oxyphenyl]-3-[2-Amidobenzyl]-1,2,3,4-Tetrahydro-1,3-Benzodiasin.** Sm. 90° (J. pr. [2] 55, 370). — **IV, 639.**  
 4) **Benzoylxyhydrat d. 5-Methyl-1-Benzyl-1,2,3-Benstriazol.** Chlorid, 2Chlorid + PtCl<sub>4</sub> (A. 249, 131). — **IV, 1146.**
- C<sub>21</sub>H<sub>21</sub>ON<sub>5</sub>** C 70,2 — H 5,8 — O 4,5 — N 19,5 — M. G. 359.  
 1) **6-Dimethylamido-4-Oxy-3-Phenylazo-1-[2-Methylphenylazo]-benzol.** Sm. 139—140° (B. 31, 491). — **IV, 1417.**  
 2) **6-Dimethylamido-4-Oxy-3-Phenylazo-1-[4-Methylphenylazo]-benzol.** Sm. 149° (B. 31, 492). — **IV, 1417.**  
 3) **4-Dimethylamido-6-Oxy-3-Phenylazo-1-[2-Methylphenylazo]-benzol.** Sm. 124° (B. 31, 491). — **IV, 1417.**  
 4) **4-Dimethylamido-6-Oxy-3-Phenylazo-1-[4-Methylphenylazo]-benzol.** Sm. 143—144° (B. 31, 493). — **IV, 1417.**  
 5) **4-[4-Oxyphenylazo]-2-[4-Dimethylamidophenyl]-1-Methylbenzol.** Sm. 159—160° (A. 234, 357). — **IV, 1417.**
- C<sub>21</sub>H<sub>21</sub>OP** 1) **Tribenzyolphosphinoxid.** Sm. 213° (216—216,5°). Salze siehe (B. 13, 1666; 21, 405; 22, 2147; Soc. 55, 227). — **IV, 1665.**
- C<sub>21</sub>H<sub>21</sub>OAs** 1) **Tribenzylnarynoxid.** Sm. 219—220°. HCl, HBr, HJ + H<sub>2</sub>O, HNO<sub>3</sub>, + J<sub>2</sub> (A. 233, 69). — **IV, 1690.**

- C<sub>21</sub>H<sub>21</sub>O<sub>8</sub>Sb**
- 1) Antimontri[2-Methylphenyl]oxyd. Sm. bei 220° (A. 242, 183). — IV, 1696.
  - 2) Antimontri[3-Methylphenyl]oxyd. Sm. 185° (A. 242, 187). — IV, 1697.
  - 3) Antimontri[4-Methylphenyl]oxyd. Sm. bei 220° (A. 242, 174). — IV, 1697.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>N**
- 1) Acetylaponcinchen. Sm. 118—119° (B. 20, 2677). — III, 838.
  - 2) Athylester d. 2-Methyl-5-Phenyl-1-[4-Methylphenyl]pyrrol-3-Carbonsäure. Sm. 115° (B. 18, 2597). — IV, 957.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>N<sub>2</sub>**
- C 72,6 — H 6,1 — O 10,0 — N 4,4 — M. G. 319.
  - 1) 3'-Nitro-5<sup>1</sup>,5<sup>2</sup>-Diamido-2<sup>1</sup>,2<sup>2</sup>-Dimethyltriphenylmethan? Sm. 85 bis 86°, 2HCl, (2HCl, PtCl<sub>4</sub>) (B. 21, 3209). — IV, 1047.
  - 2) 4'-Nitro-5<sup>1</sup>,5<sup>2</sup>-Diamido-2<sup>1</sup>,2<sup>2</sup>-Dimethyltriphenylmethan. Sm. 126 bis 127°, 2HCl, (2HCl, PtCl<sub>4</sub>) (B. 20, 3304). — IV, 1048.
  - 3) 4'-Nitro-2<sup>1</sup>,2<sup>2</sup>-Diamido-3<sup>1</sup>,3<sup>2</sup>-Dimethyltriphenylmethan? (B. 15, 679). — IV, 1046.
  - 4) 3'-Nitro-6<sup>1</sup>,6<sup>2</sup>-Diamido-3<sup>1</sup>,3<sup>2</sup>-Dimethyltriphenylmethan? Sm. 125 bis 128° (B. 21, 3212). — IV, 1047.
  - 5) 4'-Nitro-6<sup>1</sup>,6<sup>2</sup>-Diamido-3<sup>1</sup>,3<sup>2</sup>-Dimethyltriphenylmethan. Sm. 170 bis 172°, + 1/2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (B. 20, 3302). — IV, 1048.
  - 6) 2-Methylphenylamid d. α-Phenylhydrazonphenylessigsäure + H<sub>2</sub>O (A. 270, 319). — IV, 694.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>P**
- 1) Diphenyläther d. Dioxy-2,4,5-Trimethylphenylphosphin. Sm. 59°; Sd. 283°<sub>10</sub> (A. 294, 34). — IV, 1678.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>N**
- C 75,2 — H 6,3 — O 14,3 — N 4,2 — M. G. 335.
  - 1) Methylcupraspin + 1/2H<sub>2</sub>O. Sm. 190°. HCl + 2H<sub>2</sub>O, HBr + 10H<sub>2</sub>O (B. 29 [2] 36; C. 1895 [2] 826). — III, 778.
  - 2) Acetat d. Oxyapocinchen. Sm. 201—203° (B. 20, 2685). — III, 838.
  - 3) Athylester d. 6-Phenylamido-4-Keto-2-Phenyl-1,2,3,4-Tetrahydrobenzo-3-Carbonsäure. Sm. 144—145° (A. 294, 278).
  - 4) Monopiperidid d. Diphenylmaleinsäure. Piperidinsalz (Sm. 185—186°) (B. 26, 2480). — IV, 17.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>P**
- 1) Diphenylester d. 2,4,5-Trimethylphenylphosphinsäure. Sm. 62,5°; Sd. oberh. 360° (A. 294, 9). — IV, 1678.
  - 2) Di[4-Methylphenylester] d. 4-Methylphenylphosphinsäure. Sd. oberh. 360° (A. 293, 264). — IV, 1668.
  - 3) Phosphorigäuretri-3-Methylphenylester. Sd. 240—243°<sub>10</sub> (B. 31, 1052).
  - 4) Phosphorigäuretri-4-Methylphenylester. Sd. 250—255°<sub>10</sub> (B. 31, 1051).
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>As**
- 1) Trimethyläther d. Tri[4-Oxyphenyl]arsin. Sm. 156° (B. 20, 49). — IV, 1689.
  - 2) Tribenzylester d. Arsenogensäure. Fl. (B. 28, 622).
  - 3) Tri[4-Methylphenylester] d. Arsenogensäure. Sd. 290°<sub>10</sub> (B. 28, 621).
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>Bi**
- 1) Trimethyläther d. Wismuthtris[4-Oxyphenyl]. Sm. 190° (B. 30, 2848). — IV, 1695.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>Sb**
- 1) Trimethyläther d. Antimontri[4-Oxyphenyl] (Trianisylstibin). Sm. 180,5—181°. + HgCl<sub>2</sub> (B. 30, 2835). — IV, 1695.
- C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>N**
- C 71,8 — H 6,0 — O 18,2 — N 4,0 — M. G. 351.
  - 1) Diäthylester d. α-Cyan-β-Diphenyläthan-α-β-Dicarbonsäure. Sm. 105° (B. 23, 114). — II, 1891.
- C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>N<sub>3</sub>**
- C 66,5 — H 5,5 — O 16,9 — N 11,1 — M. G. 379.
  - 1) Xanthostrychnol + 2H<sub>2</sub>O (M. 6, 851; 7, 79). — III, 941.
  - 2) Nitrostrychnin. Sm. 225° u. Zers. 2KOH, Ba(OH)<sub>2</sub>, Ag<sub>2</sub>, HCl, (2HCl, PtCl<sub>4</sub>) (M. 6, 845). — III, 940.
  - 3) Dimethyläther d. 4-Nitro-3<sup>1</sup>,3<sup>2</sup>-Diamido-1<sup>1</sup>,1<sup>2</sup>-Dioxytriphenylmethan. Sm. 189° (B. 20, 1565). — II, 1003.
  - 4) Dimethyläther d. 4-Nitro-2<sup>1</sup>,2<sup>2</sup>-Diamido-2<sup>1</sup>,2<sup>2</sup>-Dioxytriphenylmethan. + C<sub>6</sub>H<sub>6</sub> (Sm. 107—108°) (B. 15, 680). — II, 1003.
- C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>P**
- 1) Tri[2-Methylphenylester] d. Phosphorsäure (B. 16, 1767; A. 224, 173). — II, 737.
  - 2) Tri[4-Methylphenylester] d. Phosphorsäure. Sm. 77,5—78° (Z. 1870, 323; B. 15, 640; 16, 1766; 30, 2374; A. 224, 170). — II, 749.
  - 3) Tribenzylester d. Phosphorsäure. Sm. 64° (A. 262, 213). — II, 1051.

- C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>Sb** 1) Trimethyläther d. Tri[4-Oxyphenyl]antimonoxyd. Sm. 191° (B. 30, 2838). — IV, 1696.
- C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>N** C 68,6 — H 5,7 — O 21,8 — N 3,8 — M. G. 367. (HCl, AuCl<sub>3</sub>). — III, 805.
- 1)  $\alpha$ -Homochelidonin. Sm. 182°. HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O), (HCl, AuCl<sub>3</sub>). — III, 805.
- 2)  $\beta$ -Homochelidonin, oder C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>N. Sm. 150°. HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O), (HCl, AuCl<sub>3</sub>), HBr + 1½H<sub>2</sub>O, HJ + H<sub>2</sub>O, HNO<sub>3</sub> + 1½H<sub>2</sub>O (M. 19, 199). — III, 805.
- 3)  $\gamma$ -Homochelidonin. Sm. 160°. (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>). — III, 806.
- C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>N** C 65,7 — H 5,5 — O 25,1 — N 3,7 — M. G. 383.
- 1) Hydrastin. Sm. 132°. HCl, (HCl, SnCl<sub>2</sub>), (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>), HBr, HJ, H<sub>2</sub>SO<sub>4</sub>, 3 + 2Ca(H<sub>2</sub>PO<sub>4</sub>)<sub>2</sub>, Pikrat (J. 1862, 381; 1863, 455; 1884, 1396; R. 5, 200; B. 19, 2798; 20, 94; Fr. 24, 60; 26, 645; 31, 594; C. 1897 [2] 1186). — II, 2050.
- 2) Rhoeadin. Sm. 232° u. Zers. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), HJ + 2H<sub>2</sub>O (A. 140, 145; 149, 35). — III, 931.
- 3) Rhoeagenin. Sm. 223°. (2HCl, PtCl<sub>4</sub>), HJ (A. 140, 149; 149, 35). — III, 931.
- C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>P** 1) Tri[2-Methoxyphenylester] d. Phosphorigensäure (C. 1897 [2] 49). C 63,1 — H 5,3 — O 28,1 — N 3,5 — M. G. 399.
- 1) Methylnorisonarkotin. Sm. 200° u. Zers. + ½C<sub>6</sub>H<sub>6</sub> (Sm. 149—151°). Na, HCl, (2HCl, PtCl<sub>4</sub>) (B. 29, 2042; 30, 694). — III, 922.
- 2) Dimethylnornarkotin (A. 159, 390; A. Spt. 7, 62, 67). — III, 915.
- 3) Diäthylester d.  $\alpha$ -Keto- $\alpha$ -[2-Nitrophenyl]- $\gamma$ -Phenylpropan- $\beta$ -Dicarbonsäure (D. d. 2-Nitrobenzoylbenzylmalonsäure). Sm. 94° (A. 239, 105; 251, 384). — II, 1978.
- 4) Verbindung (aus 3,5-Dioxy-1-Methylbenzol) (B. 17, 1879). — II, 965.
- C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>N<sub>3</sub>** C 59,0 — H 4,9 — O 26,2 — N 9,8 — M. G. 427.
- 1) Diäthylester d. Bis- $\alpha$ -Aldehydophenylkohlenäsuresemicarbazone. Sm. 111° (B. 31, 2806).
- C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>P** 1) Tri[2-Methoxyphenylester] d. Phosphorsäure. Sm. 98° (91°) (C. 1895 [1] 209; 1897 [2] 481).
- C<sub>21</sub>H<sub>21</sub>NBr<sub>2</sub>** 1) Tribenzylaminidibromid. Sm. 157—159° (A. 259, 306). — II, 522.
- C<sub>21</sub>H<sub>21</sub>N<sub>3</sub>S** 1)  $\alpha$ -Phenylamido- $\beta\beta$ -Dibenzylthioharnstoff. Sm. 139° (B. 30, 848). — IV, 631.
- C<sub>21</sub>H<sub>21</sub>Cl<sub>2</sub>As<sub>2</sub>** 1) Tri[4-Methylphenyl]arsindichlorid. Sm. 214° (A. 208, 27). — IV, 1692.
- C<sub>21</sub>H<sub>21</sub>Cl<sub>2</sub>Bi** 1) Wismuthtri[2-Methylphenyl]dichlorid. Sm. 160° (B. 30, 2846). — IV, 1698.
- 2) Wismuthtri[4-Methylphenyl]dichlorid. Sm. 147° (A. 251, 331). — IV, 1699.
- C<sub>21</sub>H<sub>21</sub>Cl<sub>2</sub>Sb** 1) Antimontri[2-Methylphenyl]dichlorid. Sm. 178—179° (A. 242, 182). — IV, 1696.
- 2) Antimontri[3-Methylphenyl]dichlorid. Sm. 137—138° (A. 242, 186). — IV, 1696.
- 3) Antimontri[4-Methylphenyl]dichlorid. Sm. 156—157° (A. 242, 172). — IV, 1697.
- C<sub>21</sub>H<sub>21</sub>Br<sub>2</sub>P** 1)  $\gamma$ -Brompropyltriphenylphosphoniumbromid. Sm. 226—228°. 2 + PtCl<sub>4</sub> (B. 27, 277). — IV, 1661.
- C<sub>21</sub>H<sub>21</sub>Br<sub>2</sub>Bi** 1) Wismuthtri[2-Methylphenyl]dibromid. Sm. 125° (B. 30, 2847). — IV, 1698.
- 2) Wismuthtri[4-Methylphenyl]dibromid. Sm. 111—112° (A. 251, 331). IV, 1699.
- C<sub>21</sub>H<sub>21</sub>Br<sub>2</sub>Sb** 1) Antimontri[2-Methylphenyl]dibromid. Sm. 209—210° (A. 242, 183). — IV, 1696.
- 2) Antimontri[3-Methylphenyl]dibromid. Sm. 113° (A. 242, 186). — IV, 1696.
- 3) Antimontri[4-Methylphenyl]dibromid. Sm. 233—234° (A. 242, 172). — IV, 1697.
- 4) Antimontri[o-p-Methylphenyl]dibromid. Sm. 185—186° (A. 242, 178). — IV, 1697.
- C<sub>21</sub>H<sub>21</sub>J<sub>2</sub>As** 1) Tribenzyllarsindijodid. Sm. 95° (A. 233, 72). — IV, 1690.
- C<sub>21</sub>H<sub>21</sub>J<sub>2</sub>Sb** 1) Antimontri[2-Methylphenyl]dijodid. Sm. 174—175° u. Zers. (A. 242, 183). — IV, 1696.

- C<sub>21</sub>H<sub>11</sub>J<sub>2</sub>Sb** 2) Antimontri[3-Methylphenyl]dijodid. Sm. 138—139° u. Zers. (A. **242**, 189). — IV, 1697.  
 3) Antimontri 4-Methylphenyl)dijodid. Sm. 182—183° (A. **242**, 173). — IV, 1697.
- C<sub>21</sub>H<sub>11</sub>SP** 1) Tribenzylphosphinsulfid. Sm. 205—206°. — IV, 1665.
- C<sub>21</sub>H<sub>11</sub>SAs** 1) Tribenzylarsinsulfid. Sm. 212—214° (A. **233**, 73). — IV, 1690.
- C<sub>21</sub>H<sub>11</sub>SSb** 1) Antimontri[3-Methylphenyl]sulfid. Sm. 162—163° (A. **242**, 188). — IV, 1697.
- C<sub>21</sub>H<sub>11</sub>PSe** 1) Tetrabenzylphosphinselenid. Sm. 236,5°. — IV, 1666.
- C<sub>21</sub>H<sub>11</sub>ON<sub>2</sub>** 1) Abrotin. (2HCl, PtCl<sub>4</sub>) H<sub>2</sub>SO<sub>4</sub> + 6H<sub>2</sub>O (J. **1883**, 1356). — III, 772.  
 2) Verbindung (aus Strychnin). Fl. (M. **7**, 610). — III, 944.
- C<sub>21</sub>H<sub>11</sub>O<sub>2</sub>N<sub>2</sub>** 1) Strychnin. Sm. 268; Sd. 270%. Salze meist bek. Lit. bedeutend. — III, 934.  
 2) Verbindung (aus Benzocarbonsäurealdehyd u. Aethylencyanid). Sm. 214° (J. pr. [2] **50**, 4). — II, 1867.
- C<sub>21</sub>H<sub>11</sub>O<sub>2</sub>N<sub>4</sub>** C 64,6 — H 5,6 — O 8,2 — N 21,5 — M. G. 390.  
 1) Di[Phenylhydrazid] d. Phenylhydrazidomethan-*αα*-Dicarbonsäure. Sm. 256—257° (B. **31**, 553).  
 2) Di[Phenylhydrazid] d. 1-Methylphenylen-2,4-Diamidoameisensäure. Sm. 203° (C. **1898** [1] 945).  
**C<sub>21</sub>H<sub>11</sub>O<sub>2</sub>N<sub>3</sub>** C 72,0 — H 6,3 — O 13,7 — N 8,0 — M. G. 350.  
 1) Aethylester d. 5-Phenylhydrazone-3-Keto-1-Phenylhexahydrobenzol-2-Carbonsäure. Sm. 130° (B. **27**, 2127, 2343; A. **294**, 281). — IV, 711.
- C<sub>21</sub>H<sub>11</sub>O<sub>2</sub>N<sub>4</sub>** C 66,7 — H 5,8 — O 12,7 — N 14,8 — M. G. 378.  
 1) Di[Phenylhydrazid] d. δ-Keto-β-Heptadien-β-Dicarbonsäure. Sm. 200° (B. **31**, 683).
- C<sub>21</sub>H<sub>11</sub>O<sub>2</sub>N<sub>2</sub>** C 66,0 — H 5,8 — O 20,9 — N 7,3 — M. G. 382.  
 1) β-Dinitro-2-Acetyl-β-Benzyliden-5-Pseudobutyl-1,3-Dimethylbenzol. Sm. 140° (B. **31**, 1346).
- C<sub>21</sub>H<sub>11</sub>O<sub>2</sub>Cl<sub>2</sub>** 1) Dichlorphillygenin (A. **118**, 128). — III, 600.
- C<sub>21</sub>H<sub>11</sub>O<sub>2</sub>Br<sub>2</sub>** 1) Dibromphillygenin (A. **118**, 128). — III, 600.
- C<sub>21</sub>H<sub>11</sub>O<sub>2</sub>N<sub>2</sub>** C 60,9 — H 5,3 — O 27,0 — N 6,8 — M. G. 414.  
 1) Nitrocryptopin. Sm. 185°. HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 10H<sub>2</sub>O), HNO<sub>3</sub>, Oxalat + 12H<sub>2</sub>O, Dioxalat + 3H<sub>2</sub>O (A. *Spl.* **8**, 312). — III, 913.
- C<sub>21</sub>H<sub>11</sub>O<sub>2</sub>N<sub>4</sub>** C 47,0 — H 5,0 — O 25,3 — N 12,7 — M. G. 442.  
 1) Dinitrostrychninsäure + H<sub>2</sub>O (Dinitrostrychninhydrat). HNO<sub>3</sub> (A. **301**, 332).  
 2) Dinitroisostrychninsäure. HNO<sub>3</sub> (A. **301**, 331).  
**C<sub>21</sub>H<sub>11</sub>O<sub>2</sub>N<sub>2</sub>** C 58,6 — H 5,1 — O 29,8 — N 6,5 — M. G. 430.  
 1) Diäthylester d. αγ-Di[2-Nitrophenyl]propan-ββ-Dicarbonsäure. Sm. 97° (B. **20**, 436). — II, 1893.  
 2) Diäthylester d. αγ-Di[4-Nitrophenyl]propan-ββ-Dicarbonsäure. Sm. 170° (B. **20**, 434). — II, 1893.  
 3) Diäthylester d. α-[2-Nitrophenyl]-γ-[4-Nitrophenyl]propan-ββ-Dicarbonsäure. Sm. 103,5° (B. **29**, 636).
- C<sub>21</sub>H<sub>11</sub>O<sub>2</sub>N<sub>4</sub>** C 53,2 — H 4,6 — O 30,4 — N 11,8 — M. G. 474.  
 1) Kakothelin + H<sub>2</sub>O. (2HCl, PtCl<sub>4</sub>), BaO + 7H<sub>2</sub>O (A. **65**, 111; **91**, 78; J. **1847/48**, 631; B. **14**, 770). — III, 947.
- C<sub>21</sub>H<sub>11</sub>O<sub>10</sub>N<sub>2</sub>** 1) Dinitrophillygenin (A. **118**, 128). — III, 600.
- C<sub>21</sub>H<sub>11</sub>O<sub>10</sub>N<sub>3</sub>** 1) Kakostrychnin? (2HCl, PtCl<sub>4</sub>) (B. **14**, 777). — III, 941.
- C<sub>21</sub>H<sub>11</sub>NJ** 1) Jodäthylat d. 3,5-Dibenzylpyridin. Sm. 127° (A. **280**, 46). — IV, 456.
- C<sub>21</sub>H<sub>11</sub>N<sub>2</sub>S** 1) s-Isobutylphenyl-2-Naphthylthioharnstoff. Sm. 152° (B. **16**, 2022). — II, 619.
- C<sub>21</sub>H<sub>11</sub>JP** 1) Propyltriphenylphosphoniumjodid. Sm. 201,5° (A. **229**, 312). — IV, 1661.  
 2) Isopropyltriphenylphosphoniumjodid + 2H<sub>2</sub>O. Sm. 191° (wasserfrei) (A. **229**, 313). — IV, 1661.
- C<sub>21</sub>H<sub>11</sub>ON** C 82,6 — H 7,5 — O 5,2 — N 4,6 — M. G. 305.  
 1) Aethyläther d. Apocinchon. Sm. 70—71° (B. **18**, 2381). — III, 838.

- C<sub>21</sub>H<sub>23</sub>ON<sub>3</sub>** C 75,7 — H 6,9 — O 4,8 — N 12,6 — M. G. 333.  
 1) **P-Triamido- $\alpha$ -Oxy-P-Dimethyltriphenylmethan** (*B. 15*, 679). — **II, 1094.**  
 2) **P-Triamido- $\alpha$ -Oxy-P-Dimethyltriphenylmethan** (*A. ch. [6]* **2**, 348). — **II, 1094.**  
 3) **6-Oxy-2,4-Di[4-Isopropylphenyl]-1,3,5-Triazin**. Sm. 253° (*B. 30*, 2009). — **IV, 1198.**
- C<sub>21</sub>H<sub>23</sub>O<sub>2</sub>N** C 78,5 — H 7,1 — O 10,0 — N 4,4 — M. G. 321.  
 1) **2-Naphtyester d. Cyancampholsäure**. Sm. 117° (*A. ch. [7]* **2**, 392). — **II, 877.**
- C<sub>21</sub>H<sub>23</sub>O<sub>2</sub>N<sub>2</sub>** C 72,2 — H 6,6 — O 9,2 — N 12,0 — M. G. 349.  
 1) **Amidostrychnin**. Sm. 275°; Sd. 280°. 2HCl, (2HCl, PtCl<sub>4</sub>) (*M. 6*, 848). — **III, 941.**  
 2) **Dimethyläther d. P-Triamido-P-Dioxytriphenylmethan**. Sm. 182 bis 183° (*B. 15*, 681). — **II, 1063.**
- C<sub>21</sub>H<sub>23</sub>O<sub>2</sub>Bi** 1) **Wismuthtri[2-Methylphenyl]dioxyhydrat**. Chlorid, Bromid, Nitrat (*B. 30*, 2847). — **IV, 1698.**  
 2) **Wismuthtri[4-Methylphenyl]dioxyhydrat**. Chlorid, Bromid, Jodid (*A. 251*, 331). — **IV, 1699.**
- C<sub>21</sub>H<sub>23</sub>O<sub>2</sub>N** C 74,8 — H 6,8 — O 14,2 — N 4,2 — M. G. 337.  
 1) **6-[4-Aethoxyphenyl]amido-4-Keto-2-[4-Methoxyphenyl]-1,2,3,4-Tetrahydrobenzol**. Sm. 226° (*A. 294*, 311).
- C<sub>21</sub>H<sub>23</sub>O<sub>2</sub>N** C 71,4 — H 6,5 — O 18,1 — N 4,0 — M. G. 353.  
 1) **Artarin**. Sm. 240° u. Zers. HCl + 4H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> + 2H<sub>2</sub>O (*G. 19*, 315). — **III, 780.**  
 2) **Mekonidin**. Sm. 58°. (2HCl, PtCl<sub>4</sub>) (*A. 153*, 47). — **III, 912.**  
 3) **Methylhydroberberin + 2H<sub>2</sub>O**. Sm. 224—226°. Salze siehe **III, 801.**  
 4) **Diäthyylester d.  $\alpha$ -[2-Methylphenyl]imido- $\alpha$ -Phenyläthan- $\beta\beta$ -Dicarbonsäure**. Sm. 95° (*B. 19*, 985). — **II, 1850.**  
 5) **Diäthyylester d.  $\alpha$ -[4-Methylphenyl]imido- $\alpha$ -Phenyläthan- $\beta\beta$ -Dicarbonsäure**. Fl. (*B. 19*, 985). — **II, 1850.**  
 6) **Diäthyylester d. 2,6-Dimethyl-4-[ $\beta$ -Phenyläthenyl]pyridin-3,5-Dicarbonsäure**. Sm. 39°. (2HCl, PtCl<sub>4</sub>) (*A. 231*, 6). — **IV, 404.**
- C<sub>21</sub>H<sub>23</sub>O<sub>4</sub>N<sub>3</sub>** C 66,1 — H 6,0 — O 16,8 — N 11,0 — M. G. 381.  
 1) **Nitrosostrychninsäure**. HCl + H<sub>2</sub>O (*A. 264*, 54). — **III, 942.**  
 2) **C-Nitrosostrychninsäure** (*A. 268*, 237). — **III, 943.**  
 3) **N-Nitrosostrychninsäure**. HCl (*A. 264*, 73). — **III, 943.**
- C<sub>21</sub>H<sub>23</sub>O<sub>5</sub>N** C 68,3 — H 6,2 — O 21,7 — N 3,8 — M. G. 369.  
 1)  **$\beta$ -Homocelidonin**, siehe **C<sub>21</sub>H<sub>21</sub>O<sub>5</sub>N**. — **III, 805.**  
 2) **Cryptopin**. Sm. 217° u. Zers. HCl + 6H<sub>2</sub>O, (HCl, HgCl<sub>2</sub> + H<sub>2</sub>O), (2HCl, PtCl<sub>4</sub> + 6H<sub>2</sub>O), H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>, Dioxalat, Ditartrat + 4H<sub>2</sub>O, Pikrat + H<sub>2</sub>O, Nekonat (*A. Spd. 8*, 299; *J. 1867*, 523; *1887*, 2185; *A. 176*, 200; 222, 221; *B. 13*, 1075; *25* [2] 748). — **III, 913.**  
 3) **Diacetylmorphin** (*Heroin*). Sm. 169° (173%). HCl, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>4</sub>) (*Soc. 27*, 1038; *A. 222*, 205; *C. 1899* [1] 123, 705). — **III, 899.**  
 4)  **$\alpha\beta$ -Diäthyylester d.  $\alpha\beta$ -Diphenyläthan- $\alpha\beta$ -Tricarbonsäure- $\alpha$ -Monamid**. Sm. 157° (*B. 23*, 116). — **II, 2025.**
- C<sub>21</sub>H<sub>23</sub>O<sub>3</sub>N<sub>3</sub>** C 63,5 — H 5,8 — O 20,1 — N 10,6 — M. G. 397.  
 1) **Diäthyylester d.  $\alpha$ -Phenylhydrazen- $\beta$ -Benzoylamidoäthan- $\alpha\beta$ -Dicarbonsäure**. Sm. 133—134° (*B. 24*, 1260). — **IV, 713.**
- C<sub>21</sub>H<sub>23</sub>O<sub>3</sub>Sb** 1) **Trimethyläther d. Tri[4-Oxyphenyl]antimonhydroxyd**. Chlorid, Bromid, Jodid, Nitrat (*B. 30*, 236). — **IV, 1695.**
- C<sub>21</sub>H<sub>23</sub>O<sub>4</sub>N** C 65,4 — H 6,0 — O 24,9 — N 3,6 — M. G. 385.  
 1) **Colchicin** (Acetotrimethylcolchicinsäure) +  $\frac{1}{2}$ H<sub>2</sub>O. Sm. 172%. (HCl, AuCl<sub>4</sub>), Ba, Cu + 5H<sub>2</sub>O (*J. 1856*, 548; *1864*, 451; *M. 4*, 162; *7*, 585; *9*, 6, S73; *B. 14*, 1412). — **III, 874.**  
 2) **Buccinylmorphin + 4H<sub>2</sub>O**. (2HCl, PtCl<sub>4</sub>) (*Soc. 28*, 692). — **III, 900.**  
 3) **Methoxyhydrat d. Protopin**. Jodid, Nitrat + 4H<sub>2</sub>O (*M. 19*, 194). C 58,7 — H 5,4 — O 26,1 — N 9,8 — M. G. 429.
- C<sub>21</sub>H<sub>23</sub>O<sub>4</sub>N<sub>3</sub>** 1) **Bidesmethylnitrobrucinhydrat + 2H<sub>2</sub>O**. HCl, HNO<sub>3</sub> + H<sub>2</sub>O (*A. 304*, 45). C 50,4 — H 5,5 — O 30,7 — N 3,4 — M. G. 417.  
 1) **Nitrophillygenin** (*A. 118*, 128). — **III, 600.**  
 1) **Trinitrocannabinol**. Sm. 160%. NH<sub>4</sub>, Na + 4H<sub>2</sub>O, K, Ag (*Soc. 75*, 23). — **III, 621.**

- C<sub>11</sub>H<sub>13</sub>N<sub>8</sub>S**
- 1)  $\alpha$ -[ $\beta$ -Phenylthiouramidophenyl]amido- $\beta$ -[ $\alpha$ -Phenylhydrazido]äthan (Aethylentriphenylthiosemicarbazid). Sm. 164,5° (A. 254, 125). — IV, 679.
  - 2) C 78,7 — H 7,5 — O 5,0 — N 8,7 — M. G. 320.
  - 3) **1) Benzoylektohydrodimethylphenanthrolin.** Sm. 167—168° (B. 24, 1743). — IV, 889.
  - 2) **Paytamin** (A. 154, 293; 211, 280; B. 10, 2161). — III, 782.
  - 3) **Paytin + H<sub>2</sub>O.** Sm. 156°. HCl, (2HCl, PtCl<sub>4</sub>), IIJ (A. 154, 289; 166, 272; 178, 252 Ann.; 211, 280). — III, 782.
  - 4) **Strychnidin.** Sm. 252° (i. V.). Sd. 290—295°<sub>14</sub>. HCl, 2HCl +  $\frac{1}{2}$ H<sub>2</sub>O (A. 301, 303).
  - 5) **Verbindung** (aus Furfural u. Dimethylanilin). Sm. 83°. (2HCl, PtCl<sub>4</sub>), Pikrat (A. 206, 141). — III, 723.
- C<sub>21</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>**
- 1) **1,4-Dibenzoyl-2,3,5-Trimethylhexahydro-1,4-Diazin.** Sm. 190° u. Zera. (J. pr. [2] 55, 65). — IV, 484.
  - 2) **Phenylhydrazonsantonin.** Sm. 220—221° u. Zera. (2HCl, PtCl<sub>4</sub>) (G. 19, 383). — II, 1787.
  - 3) **Acetylapochinamin.** (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (A. 207, 294). — III, 857.
  - 4) **Acetylcinchonin.** (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), (2HCl, 2AuCl<sub>3</sub> + H<sub>2</sub>O) (A. 205, 321). — III, 834.
  - 5) **Acetylapocinchonin.** (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (A. 205, 338). — III, 845.
  - 6) **Acetylidiapocinchonin.** (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), 2(HCl, AuCl<sub>3</sub>) + H<sub>2</sub>O (A. 205, 339). — III, 845.
  - 7) **Acetylcinchonidin.** Sm. 42°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), 2(HCl, AuCl<sub>3</sub>) + H<sub>2</sub>O (A. 205, 319). — III, 852.
  - 8) **Acetylapocinchonidin.** (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), 2(HCl, AuCl<sub>3</sub>) + H<sub>2</sub>O (A. 205, 338). — III, 853.
  - 9) **Acetylhomocinchonidin.** (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), (2HCl, 2AuCl<sub>3</sub> + H<sub>2</sub>O) (A. 205, 320). — III, 854.
  - 10) **Di[Phenylamid] d. Heptan- $\alpha$ -Dicarbonsäure.** Sm. 145° (Soc. 65, 992). C 69,2 — H 6,5 — O 8,8 — N 15,4 — M. G. 364.
- C<sub>21</sub>H<sub>14</sub>O<sub>3</sub>N<sub>2</sub>**
- 1) **Diamidostrychin.** Sm. 263° u. Zera. 2HCl (Bl. 41, 236). — III, 941.
  - 2) C 71,6 — H 6,8 — O 13,6 — N 7,9 — M. G. 352.
  - 3) **1)  $\alpha$ -Acetyl- $\alpha$ -Phenyl- $\beta$ -[6-Acetoxy-3-tert. Butylbenzyliden]hydrazin.** Sm. 128° (Am. 16, 637). — IV, 761.
  - 2) **Phenylhydrazon d.  $\alpha$ -Oxysantonin.** Sm. 264—265° (G. 27 [2] 91). — IV, 797.
  - 3) **Strychninsäure + 4H<sub>2</sub>O** (M. 7, 83; A. 284, 50; 301, 330). — III, 942.
  - 4) **Isostrychninsäure + H<sub>2</sub>O** (Dihydrostrychin) (A. 284, 69; 268, 236; 301, 331; Bl. 31, 98). — III, 942.
  - 5) **6-Aacetat d. 6-Oxy-3-tert. Butyl-1-Acetylphenylhydrazone-methylbenzol.** Sm. 128° (Am. 16, 637).
- C<sub>21</sub>H<sub>14</sub>O<sub>4</sub>N<sub>2</sub>**
- 1) **Däthylester d.  $\gamma$ -Phenylhydrazon- $\alpha$ -Phenylpropan- $\beta\gamma$ -Dicarbonsäure.** Sm. 64—66° (B. 31, 556).
- C<sub>21</sub>H<sub>14</sub>O<sub>4</sub>N<sub>4</sub>**
- 1) **P-Tetra[Acetylamo]diphenylmethan** (A. 218, 343). — IV, 1277.
- C<sub>21</sub>H<sub>14</sub>O<sub>5</sub>N<sub>2</sub>**
- 1) **Acetylchitenin.** (2HCl, PtCl<sub>4</sub>) (M. 10, 41). — III, 820.
  - 2) **Däthylester d. 2,6-Dimethyl-4-[3-Acetylaminodophenyl]pyridin-3,5-Dicarbonsäure.** Sm. 131° (G. 17, 464). — II, 387.
  - 3) **Amid d. Acetotrimethylcolchicinsäure.** +  $\frac{1}{2}$ C<sub>2</sub>H<sub>6</sub>O (M. 9, 25). — III, 874.
- C<sub>21</sub>H<sub>14</sub>O<sub>6</sub>N<sub>2</sub>**
- 1) **Phenylhydrazon d. Glyko- $\alpha$ -Cumarsäurealdehyd.** Sm. 130—132° (B. 18, 1960). — IV, 761.
  - 2) **Tolazinderivat** (aus o-Toluylendiamin u. 1,2-Diketo-R-Pentamethylen-3,4,5-Tricarbonsäuretriäthylester). Sm. 141—142° (A. 297, 110). — IV, 991.
- C<sub>21</sub>H<sub>14</sub>O<sub>6</sub>N<sub>4</sub>**
- 1) **Oenanthylidenamid d. 3-Nitrobenzol-1-Carbonsäure.** Sm. 170° (A. 157, 47). — II, 1234.
- C<sub>21</sub>H<sub>14</sub>O<sub>7</sub>N<sub>2</sub>**
- 1) **s-Di[5-Carboxyl-2-( $\alpha$ -Oxyisopropylphenyl]harnstoff** (B. 17, 1307). — II, 1587.

- C<sub>21</sub>H<sub>24</sub>O<sub>2</sub>N**, 2) Carbonat d. 4-Oxyphenylamidoameisensäurepropylester. Sm. 155° (C. 1897 [1] 469).
- C<sub>21</sub>H<sub>24</sub>N<sub>2</sub>S** 1) Di[4-Dimethylamidophenyl]thiénylmethan (Leukothiophengrün). Sm. 92—93°. (2HCl, PtCl<sub>4</sub>), Pikrat (B. 20, 514). — III. 749.
- 2) s-Di[5, 6, 7, 8-Tetrahydro-1-Naphthyl]thioharnstoff. Sm. 170° (B. 21, 1795). — II. 587.
- 3) s-Di[1, 2, 3, 4-Tetrahydro-2-Naphthyl]thioharnstoff. Sm. 166,5° (B. 21, 558). — II. 588.
- C<sub>21</sub>H<sub>25</sub>O<sub>2</sub>N** C 78,0 — H 7,7 — O 9,9 — N 4,3 — M. G. 323.
- 1) Benzoat d. 3-Diäthylamido-2-Oxy-1, 2, 3, 4-Tetrahydronaphtalin. (2HCl, PtCl<sub>4</sub>), Pikrat (A. 288, 122).
- C<sub>21</sub>H<sub>25</sub>O<sub>2</sub>N<sub>5</sub>** C 71,8 — H 7,1 — O 9,1 — N 12,0 — M. G. 351.
- 1) Porphyrin. Sm. 97°. (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O) (A. Spt. 4, 42; A. 205, 366). — III. 777.
- C<sub>21</sub>H<sub>25</sub>O<sub>3</sub>N** C 74,3 — H 7,4 — O 14,2 — N 4,1 — M. G. 339.
- 1) Propyläther d. Thebenin (Prothebenin). Sm. 172—173°. HCl, HJ (B. 32, 185).
- 2) Phenylamidopipitzahönsäure (Phenylamidoperezon). Sm. 138—139° (133°) (B. 18, 714, 941; A. 237, 103). — II. 1673.
- C<sub>21</sub>H<sub>25</sub>O<sub>3</sub>N<sub>5</sub>** C 68,7 — H 6,8 — O 13,1 — N 11,4 — M. G. 367.
- 1) Nitrosotetrahydrostrychnin. HCl (A. 301, 322).
- C<sub>21</sub>H<sub>25</sub>O<sub>4</sub>N** C 71,0 — H 7,0 — O 18,0 — N 3,9 — M. G. 355.
- 1) Corybulbin. Sm. 238—240°. HCl, (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub> (Soc. 67, 25; C. 1896 [2] 794). — III. 877.
- 2) Butyrylmorphin. 2 Modif. HCl, (2HCl, PtCl<sub>4</sub>) (Soc. 28, 16, 322). — III. 899.
- 3) Propionylocodein. HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), HJ + H<sub>2</sub>O, Oxalat + 3H<sub>2</sub>O (A. 222, 212). — III. 905.
- 4)  $\alpha$ -Acetyl methylmorphimethin (Acetyl methocodein). Sm. 66°. HCl +  $\frac{1}{2}$ H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O), HNO<sub>3</sub> + 3H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + 8H<sub>2</sub>O (A. 222, 222; B. 27, 1146). — III. 905.
- 5)  $\beta$ -Acetyl methylmorphimethin (B. 27, 1146). — III. 905.
- 6) Diäthylester d.  $\alpha$ -[2-Methylphenyl]amido- $\alpha$ -Phenyläthan- $\beta\beta$ -Dicarbonsäure. Sm. 67,5° (B. 28, 1454). — II. 1850.
- 7) Diäthylester d.  $\alpha$ -[4-Methylphenyl]amido- $\alpha$ -Phenyläthan- $\beta\beta$ -Dicarbonsäure. Sm. 80—82° (B. 28, 1454). — II. 1850.
- 8) Diäthylester d. 2, 6-Dimethyl-4-[ $\beta$ -Phenyläthenyl]-1, 4-Dihydro-pyridin-3, 5-Dicarbonsäure. Sm. 151—152° (148—149°) (A. 231, 3; G. 23 [1] 386). — IV. 387.
- C<sub>21</sub>H<sub>25</sub>O<sub>5</sub>N** C 67,9 — H 6,7 — O 21,6 — N 3,8 — M. G. 371.
- 1) Methoxyhydrat d. Papaverin. Sm. 215°. Chlorid, Jodid, Bichromat, Sulfat + xH<sub>2</sub>O, Pikrat (M. 6, 692; 9, 758; 10, 682; B. 18, 1577; J. pr. [2] 38, 496; [2] 56, 338; J. 1886, 1717). — IV. 440.
- 2) Hydroberberinmethoxyhydrat + 4H<sub>2</sub>O. Sm. 162—164°. Salze siehe III. 801.
- 3) Trimethylcolchidimethinsäure +  $\frac{1}{2}$ H<sub>2</sub>O. Sm. 126° (M. 9, 876). — III. 874.
- C<sub>21</sub>H<sub>25</sub>O<sub>5</sub>N<sub>3</sub>** C 68,8 — H 6,8 — O 21,9 — N 11,5 — M. G. 399.
- 1) Verbindung (aus Kakothelin). Sm. 231—232°. (2HCl, PtCl<sub>4</sub>) (B. 20, 453). — III. 948.
- C<sub>21</sub>H<sub>25</sub>O<sub>11</sub>Cl** Tetracetat d. m-Chlorsalicin. Sm. 142° (A. 154, 13; C. 1896 [2] 738; 1897 [2] 1075). — III. 609.
- C<sub>21</sub>H<sub>25</sub>O<sub>11</sub>Br** Tetracetat d. m-Bromsalicin. Sm. 148° (C. 1896 [2] 738; 1897 [2] 1075).
- C<sub>21</sub>H<sub>25</sub>O<sub>11</sub>J** Tetracetat d. m-Jodsalicin. Sm. 119° (C. 1896 [2] 738; 1897 [2] 1075).
- C<sub>21</sub>H<sub>25</sub>N<sub>2</sub>Cl<sub>3</sub>** 1) Verbindung (aus Cyananilin u. Phenylhydrazin). Sm. 200—212° u. Zers. (J. pr. [2] 36, 533). — IV. 743.
- C<sub>21</sub>H<sub>26</sub>ON<sub>2</sub>** C 78,2 — H 8,1 — O 5,0 — N 8,7 — M. G. 322.
- 1) Desoxystrychnin + 3H<sub>2</sub>O. Sm. 75° (172° wasserfrei). (2HCl, PtCl<sub>4</sub>, HJ + H<sub>2</sub>O, H<sub>2</sub>CrO<sub>4</sub>) (A. 268, 245; 301, 311). — III. 943.
- 2) Aethylcinchonin. Sm. 49—50°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (B. 13, 2286). — III. 833.
- 3) Dimethylcinchonin. Fl. HCl, (HCl, ZnCl<sub>2</sub>), (HCl, HgCl<sub>2</sub>), (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), HBr, HJ, Pikrat (B. 13, 2293; A. 277, 280). — III. 832.

- $C_{21}H_{26}ON_2$  4) Aethylcinchonidin. Sm. 90—91°. Salze siehe (B. 11, 1821; 14, 47, 1922; 16, 2746; Soc. 26, 1181; J. 1882, 1109; A. 269, 257; M. 15, 46). — III, 851.  
 5) Phenylhydrazid d. Säure  $C_{15}H_{20}O_2$  (aus Camphersäureanhydrid). Sm. 156° (C. 1895 [2] 1082).
- $C_{21}H_{26}ON_4$  C 72,0 — H 7,4 — O 4,6 — N 16,0 — M. G. 350.  
 1)  $\alpha$ -Di[1-Amido-1,2,3,4-Tetrahydro-5-Naphthyl]harnstoff. Zers. bei 135° (B. 22, 957). — IV, 862.
- $C_{21}H_{26}O_2N_2$  C 64,5 — H 7,7 — O 9,5 — N 8,3 — M. G. 338.  
 1) Di[Acetylamidodimethylphenyl]methan (aus 2-Amido-1,3-Dimethylbenzal). Sm. noch nicht bei 280° (M. 18, 640).  
 2)  $\alpha$ - $\beta$ -Di[Acetyl-2-Methylphenylamido]propan. Sm. 101—102° (B. 25, 3276). — II, 461.  
 3)  $\alpha$ - $\beta$ -Di[Acetyl-4-Methylphenylamido]propan. Sm. 113,5—114° (B. 25, 3277). — II, 491.  
 4)  $\alpha$ -Dioximido- $\alpha$ -Diphenylmonan. Fl. (C. 1896 [2] 1091).  
 5) Tetrahydrostrychnin. Sm. 202° (i. V.) +  $C_9H_8O$ ,  $HCl$ ,  $2H_2O$  (A. 301, 315).  
 6) Methylchininin. Fl. Salze meist bek. (B. 14, 76, 79; 28, 1248; A. 91, 164; M. 12, 513; J. pr. [2] 3, 145; [2] 14, 261; [2] 15, 76). — III, 813.  
 7) Methylichinin. Fl. (A. 269, 234). — III, 825.  
 8) Chinoäthylin. Sm. 160°.  $H_2SO_4$  +  $H_2O$  (B. 3 [3], 7, 308). — III, 821.  
 9) Aethyläther d. Apochinin. Sm. 182°. ( $2HCl$ ,  $PtCl_4$  +  $2H_2O$ ) (M. 16, 43). — III, 818.
- 10) Acetylcinchonamin. Sm. 80—90° (A. 225, 226; A. ch. [6] 19, 118). — III, 929.  
 11) Acetylcinchotin (Acetylhydrocinchonin). ( $2HCl$ ,  $PtCl_4$  +  $1[2]H_2O$ ) (A. 300, 53).  
 12) Acetylhydrocinchonidin. Sm. bei 42°. ( $2HCl$ ,  $PtCl_4$  +  $2H_2O$ ) (A. 214, 12). — III, 858.  
 13) Hypoquebrachin. Sm. bei 80°. ( $2HCl$ ,  $PtCl_4$  +  $4H_2O$ ) (A. 211, 263). — III, 781.  
 14) Oenanthylidenamid d. Benzolcarbonsäure. Sm. 128° (A. 157, 46). — II, 1194.  
 15) Di[Phenylamid] d. Heptan- $\beta$ -Dicarbonsäure.  $\alpha$ -Modif. Sm. 154 bis 155°;  $\beta$ -Modif. Sm. 183—184° (Soc. 67, 147).
- $C_{21}H_{26}O_2N_4$  C 68,9 — H 7,1 — O 8,7 — N 15,3 — M. G. 366.  
 1)  $\alpha$ -Phenyl- $\alpha$ -Phenylamidoformylimidohethylharnstoff (Heptenylidophenylidureid). Sm. 170° (B. 28, 476).
- $C_{21}H_{26}O_2S$  1) Di[5-Methyl-2-Isopropylphenylester] d. Thiokohlensäure. Sm. 110° (B. 27, 3411).  
 $C_{21}H_{26}O_2N_2$  C 71,2 — H 7,3 — O 13,6 — N 7,9 — M. G. 354.  
 1) Quebrachin. Sm. 214—216° u. Zers.  $HCl$ , ( $2HCl$ ,  $PtCl_4$  +  $5H_2O$ ),  $H_2SO_4$  +  $8H_2O$ , Oxalat, Tartrat +  $6H_2O$ , Citrat (A. 211, 265; B. 15, 263; Fr. 22, 151). — III, 782.  
 $C_{21}H_{26}O_4N_2$  C 68,1 — H 7,0 — O 17,3 — N 7,6 — M. G. 370.  
 1) Aethylchitenidin +  $3(4)H_2O$ . Sm. 287°. ( $2HCl$ ,  $PtCl_4$  +  $2H_2O$ ),  $H_2SO_4$  (A. 269, 239). — III, 827.  
 2) Aethyläther d. Chitenin. Sm. 198° (M. 14, 601). — III, 819.  
 3) Diäthylester d.  $\alpha\gamma$ -Di[4-Aminophenyl]propan- $\beta\beta$ -Dicarbonsäure. Sm. 60°.  $2HCl$ , ( $2HCl$ ,  $PtCl_4$ ),  $H_2SO_4$ , Oxalat (B. 20, 436). — II, 1893.  
 4) Diäthylester d.  $\alpha\gamma$ -Trimethylendi[Phenylamidoameisensäure]. Sm. 56° (B. 20, 783). — II, 374.  
 5) Diäthylester d.  $\alpha$ -[ $\beta$ -Methyl- $\beta$ -Phenylhydrazido]- $\alpha$ -Phenyläthan- $\beta\beta$ -Dicarbonsäure.  $HCl$  (B. 29, 813). — IV, 742.
- $C_{21}H_{26}O_6N_2$  C 58,1 — H 6,0 — O 29,5 — N 6,4 — M. G. 434.  
 1) Verbindung (aus Pepton) (B. 13, 2134). — IV, 1641.
- $C_{21}H_{26}N_4S$  1)  $\alpha$ -Di[1-Amido-1,2,3,4-Tetrahydro-5-Naphthyl]thioharnstoff. Sm. 120 bis 155° (B. 22, 956). — IV, 862.  
 2) Allylsenfölausamin. Sm. 160—161° (J. pr. [2] 50, 444). — IV, 1175.  
 $C_{21}H_{27}ON$  C 81,6 — H 8,7 — O 5,2 — N 4,5 — M. G. 309.  
 1)  $\alpha$ -Oximido-4-Oktylidophenylmethan. Sm. 106—107° (B. 31, 939).  
 2) 4-norm. Oktylphenylamid d. Benzolcarbonsäure. Sm. 117,6° (B. 18, 136). — II, 1167.

- C<sub>21</sub>H<sub>22</sub>ON**
- 3) **4-Isooctylphenylamid d. Benzolcarbonsäure.** Sm. 109° (B. 18, 142). — II, 1167.
- C<sub>21</sub>H<sub>22</sub>O<sub>4</sub>N**
- 1) **Laudanosin.** Sm. 89°. (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O), HJ + 1/2H<sub>2</sub>O, Dioxalat + 3H<sub>2</sub>O (A. Sp. 8, 321; A. 176, 202; 282, 213). — III, 912.
  - 2) **I-Benzocat d. 1-Oximido-3-Isobutyl-5-Methyl-1,2,3,4-Tetrahydrobenzol-4-Carbonsäure.** Sm. 146—148° (A. 288, 336).
- C<sub>21</sub>H<sub>22</sub>O<sub>6</sub>N**
- C 64,8 — H 6,9 — O 24,7 — N 3,9 — M. G. 359.
  - 1) **Diäthylester d. α-Phtalylamidoheptan-δδ-Dicarbonsäure.** Sm. 57° (B. 23, 3698). — II, 1813.
- C<sub>21</sub>H<sub>22</sub>O<sub>7</sub>N**
- C 62,2 — H 6,7 — O 27,6 — N 3,5 — M. G. 405.
  - 1) **Moschatin** (A. 155, 159). — III, 772.
- C<sub>21</sub>H<sub>22</sub>N<sub>2</sub>J**
- 1) **Jodmethylat d. Methyldesoxycinchonidin.** Zers. bei 251° (B. 31, 2357).
- C<sub>21</sub>H<sub>22</sub>ON<sub>2</sub>**
- C 77,8 — H 8,6 — O 4,9 — N 8,6 — M. G. 324.
  - 1) **s-Di[4-Isobutylphenyl]harnstoff.** Sm. 283—284° (B. 17, 1240). — II, 558.
  - 2) **s-Di[4-Isopropylbenzyl]harnstoff.** Sm. 118° (122°) (B. 10, 52; 22, 932). — II, 561.
  - 3) **s-Di[2-Isopropyl-4-Methylphenyl]harnstoff** (A. 221, 172). — II, 559.
  - 4) **4,4'-Di[Diäthylamido]diphenylketon.** Sm. 95—96°. (2HCl, PtCl<sub>4</sub>) (B. 9, 1914; 31, 1002). — III, 186.
  - 5) **Aethylcinchonamin + H<sub>2</sub>O.** Sm. 75—78° (140° wasserfrei). (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O) (A. 225, 233; A. ch. [6] 19, 116). — III, 928.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>**
- C 74,1 — H 8,2 — O 9,4 — N 8,2 — M. G. 340.
  - 1) **Desoxystrychninsäure + 2H<sub>2</sub>O** (A. 268, 253). — III, 944.
- C<sub>21</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>**
- C 70,8 — H 7,8 — O 13,5 — N 7,8 — M. G. 356.
  - 1) **Di[3-Diäthylamidoophenylester] d. Kohlensäure.** Sm. 67°; Sd. 292°. 2HCl, (2HCl, PtCl<sub>4</sub>) 2HJ (B. 29, 506).
- C<sub>21</sub>H<sub>22</sub>O<sub>3</sub>N<sub>4</sub>**
- C 65,6 — H 7,3 — O 12,5 — N 14,6 — M. G. 384.
  - 1) **Chininharnstoff.** 2HCl + 5H<sub>2</sub>O (J. r. 13, 32). — III, 813.
- C<sub>21</sub>H<sub>22</sub>O<sub>6</sub>N<sub>2</sub>**
- C 62,4 — H 6,9 — O 23,8 — N 6,9 — M. G. 404.
  - 1) **Tetroxystrychnin.** (2HCl, PtCl<sub>4</sub>) (A. 108, 350). — III, 941.
- C<sub>21</sub>H<sub>22</sub>O<sub>7</sub>N<sub>2</sub>**
- C 60,0 — H 6,6 — O 26,7 — N 6,6 — M. G. 420.
  - 1) **Pentoxostrychnin.** (2HCl, PtCl<sub>4</sub>) (A. 108, 350). — III, 941.
- C<sub>21</sub>H<sub>22</sub>O<sub>4</sub>N<sub>4</sub>**
- C 56,2 — H 6,2 — O 25,0 — N 12,5 — M. G. 448.
  - 1) **Di[Phenylhydrason] d. Glykononose.** Sm. 220—223° u. Zers. (A. 270, 106). — IV, 793.
- C<sub>21</sub>H<sub>22</sub>O<sub>8</sub>S<sub>6</sub>**
- 1) **Triäthylester d. Thiorufinsäure.** Sm. 105°. Na, Ca, Ba + 2H<sub>2</sub>O (B. 10, 702; 28, 2882). — I, 900.
- C<sub>21</sub>H<sub>22</sub>N<sub>2</sub>S**
- 1) **s-Di[4-Isobutylphenyl]thioharnstoff.** Sm. 192,5° (B. 17, 1235). — II, 558.
  - 2) **s-Di[4-Isopropylbenzyl]thioharnstoff.** Sm. 128° (B. 10, 53). — II, 561.
  - 3) **s-Di[2-Isopropyl-4-Methylphenyl]thioharnstoff.** Sm. 160° (A. 221, 173). — II, 559.
  - 4) **s-Di[P-Tetramethylphenyl]thioharnstoff.** Sm. 278° (B. 17, 1916). — II, 563.
- C<sub>21</sub>H<sub>22</sub>ON<sub>3</sub>**
- C 74,3 — H 8,6 — O 4,7 — N 12,4 — M. G. 339.
  - 1) **β-Isoamylphenylamido-α-[2,4,5-Trimethylphenyl]harnstoff.** Sm. 215°. — IV, 674.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N**
- C 77,1 — H 8,9 — O 9,8 — N 4,2 — M. G. 327.
  - 1) **3-Amyl-2-Hexylchinolin-8-Carbonsäure.** Sm. 69°. HCl (B. 28, 2818). — IV, 359.
- C<sub>21</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>**
- C 65,8 — H 7,6 — O 8,3 — N 18,3 — M. G. 383.
  - 1) **Hydrocyanid d. Diäthynitrosamidobenzol.** Sm. 169—171° (M. 6, 514). — II, 333.
- C<sub>21</sub>H<sub>22</sub>O<sub>3</sub>N<sub>5</sub>**
- C 63,1 — H 7,3 — O 12,0 — N 17,5 — M. G. 399.
  - 1) **Verbindung** (aus Butyryleyanessigsäureäthylester u. Phenylhydrazin). Sm. 85° (C. 1895 [2] 83).
  - 2) **Verbindung** (aus Isobutyrylcyanessigsäureäthylester u. Phenylhydrazin). Sm. 67° (C. 1895 [2] 83).
- C<sub>21</sub>H<sub>22</sub>O<sub>4</sub>N**
- C 70,2 — H 8,1 — O 17,8 — N 3,9 — M. G. 359.
  - 1) **Isoamylester d. d-Benzoylecgonin.** HCl (B. 23, 987). — III, 867.

- C<sub>21</sub>H<sub>29</sub>O<sub>6</sub>N** C 59,6 — H 6,8 — O 30,3 — N 3,3 — M. G. 423.  
 1) **Tetraäthylester d.  $\beta$ -Phenylamidopropan- $\alpha\gamma\gamma$ -Tetracarbonsäure.**  
 Sm. 46—47° (B. 30, 1757).
- C<sub>21</sub>H<sub>29</sub>O<sub>6</sub>N<sub>2</sub>J** 1) **Jodpropylat d. 1,4-Dibenzylhexahydro-1,4-Diazin.** Zers. bei 260° (C. 1898 [1] 381).
- C<sub>21</sub>H<sub>29</sub>O<sub>6</sub>ON<sub>2</sub>** C 77,3 — H 9,2 — O 4,9 — N 8,6 — M. G. 326.
- C<sub>21</sub>H<sub>29</sub>O<sub>6</sub>ON<sub>2</sub>** 1)  **$\alpha$ -Oxydi[4-Diäthylamidophenyl]methan.** Sm. 78° (B. 31, 1002).
- C<sub>21</sub>H<sub>29</sub>O<sub>6</sub>ON<sub>2</sub>** C 73,7 — H 8,7 — O 9,3 — N 8,3 — M. G. 342.
- C<sub>21</sub>H<sub>29</sub>O<sub>6</sub>ON<sub>2</sub>** 1) **Di[4-Diäthylamido-2-Oxophenyl]methan.** Sm. 168°. H<sub>2</sub>SO<sub>4</sub> (J. pr. [2] 54, 226).
- C<sub>21</sub>H<sub>30</sub>O<sub>6</sub>N<sub>16</sub>** C 44,2 — H 5,3 — O 11,2 — N 39,3 — M. G. 570.
- C<sub>21</sub>H<sub>30</sub>O<sub>6</sub>N<sub>16</sub>** 1) **Cytosin + 4H<sub>2</sub>O.** Pikrat (B. 27, 2219). — IV, 1623.
- C<sub>21</sub>H<sub>30</sub>O<sub>6</sub>N<sub>2</sub>** C 59,7 — H 7,1 — O 26,5 — N 6,6 — M. G. 422.
- C<sub>21</sub>H<sub>30</sub>O<sub>6</sub>N<sub>2</sub>** 1) **Di[Phenylhydrazon] d. d-Mannuronose.** Sm. bei 217° u. Zers. (B. 23, 2237). — IV, 794.
- C<sub>21</sub>H<sub>30</sub>O<sub>6</sub>N<sub>2</sub>** C 57,5 — H 6,8 — O 29,2 — N 6,4 — M. G. 438.
- C<sub>21</sub>H<sub>30</sub>O<sub>13</sub>N<sub>2</sub>** 1) **Tetraäthylester d.  $\beta\beta$ -Dicyanheptan- $\alpha\beta\beta\beta$ -Tetracarbonsäure.** Sm. 69°; Sd. 215° (BL [3] 17, 1037).
- C<sub>21</sub>H<sub>30</sub>O<sub>13</sub>N<sub>2</sub>** C 48,6 — H 5,7 — O 40,2 — N 5,4 — M. G. 518.
- C<sub>21</sub>H<sub>31</sub>N<sub>2</sub>Cl** 1) **Phloridzin.** NH<sub>4</sub>, Pb, Ag<sub>4</sub> (A. 30, 210). — III, 601.
- C<sub>21</sub>H<sub>31</sub>N<sub>2</sub>Cl** 1) **Chlormethylat d. Dicamphanhexazin.** + AuCl<sub>4</sub> (G. 27 [1] 178).
- C<sub>21</sub>H<sub>31</sub>N<sub>2</sub>J** 1) **Jodmethylat d. Dicamphanhexazin.** Sm. 201—202° (G. 27 [1] 177).
- C<sub>21</sub>H<sub>31</sub>ON<sub>2</sub>** C 76,8 — H 9,8 — O 4,8 — N 8,5 — M. G. 328.
- C<sub>21</sub>H<sub>31</sub>ON<sub>2</sub>** 1) **Methoxydhydrat d. Dicamphanhexazin.** Salze, siehe diese (G. 27 [1] 177).
- C<sub>21</sub>H<sub>33</sub>N<sub>2</sub>J** 1) **Jodmethylat d. Dicamphandihydropyridazin.** Sm. 207—208° (G. 27 [1] 166).
- C<sub>21</sub>H<sub>34</sub>N<sub>2</sub>S** 1) **s-Dibornylthioharnstoff.** Sm. 223—224° (A. 269, 350). — IV, 57.
- C<sub>21</sub>H<sub>34</sub>N<sub>2</sub>S** 2) **s-I-Difenchylthioharnstoff.** Sm. 210° (A. 269, 360). — IV, 58.
- C<sub>21</sub>H<sub>34</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Verbindung (aus Isopiperidein u. CS<sub>2</sub>)** (A. 260, 247). — IV, 533.
- C<sub>21</sub>H<sub>34</sub>ON<sub>2</sub>** C 75,4 — H 11,4 — O 4,8 — N 8,4 — M. G. 334.
- C<sub>21</sub>H<sub>34</sub>ON<sub>2</sub>** 1) **Anhydrolupinin.** Fl. (2HCl, PtCl<sub>4</sub>) (B. 14, 1882; 15, 634; A. 214, 364). — III, 892.
- C<sub>21</sub>H<sub>34</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **Dichlorlupinid** (C. 1897 [2] 361).
- C<sub>21</sub>H<sub>34</sub>N<sub>2</sub>S** 1) **Verbindung (aus 1-Fenchylamin u. CS<sub>2</sub>)** (A. 269, 360). — IV, 58.
- C<sub>21</sub>H<sub>34</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Verbindung (aus CS<sub>2</sub> u. Bornylamin)** (A. 269, 350). — IV, 57.
- C<sub>21</sub>H<sub>34</sub>ON<sub>2</sub>** 1)  **$\alpha$ -Cyanarachinsäure.** Sm. 88° (M. 17, 542).
- C<sub>21</sub>H<sub>34</sub>ON<sub>2</sub>** C 74,6 — H 11,4 — O 9,1 — N 7,9 — M. G. 352.
- C<sub>21</sub>H<sub>34</sub>ON<sub>2</sub>** 1) **Lupinin.** Sm. 67—68°; Sd. 255—257° (i. H-Strom). 2HCl, (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O), (2HCl, AuCl<sub>4</sub>), 2HBr, 2HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> (J. 1872, 804; B. 14, 1150, 1321, 1880, 2701; 15, 631, 1951; A. 214, 361; C. 1896 [2] 668; 1897 [2] 361, 554, 767). — III, 891.
- C<sub>21</sub>H<sub>34</sub>O<sub>2</sub>N<sub>2</sub>** C 63,0 — H 10,0 — O 20,0 — N 7,0 — M. G. 400.
- C<sub>21</sub>H<sub>34</sub>O<sub>2</sub>N<sub>2</sub>** 1) **Oxylupinin.** Sd. 215° u. Zers. (2HCl, PtCl<sub>4</sub>) (B. 14, 1882; A. 214, 362). — III, 892.
- C<sub>21</sub>H<sub>34</sub>ON** C 78,0 — H 12,7 — O 4,9 — N 4,3 — M. G. 323.
- C<sub>21</sub>H<sub>34</sub>ON** 1) **Triönanthoxaldin.** Fl. (A. Spt. 6, 24). — I, 955.
- C<sub>21</sub>H<sub>34</sub>O<sub>2</sub>Br** 1) **Methylester d.  $\alpha$ -Bromarachinsäure.** Sm. 33—35° (M. 17, 531).
- C<sub>21</sub>H<sub>34</sub>O<sub>2</sub>N** C 71,0 — H 11,6 — O 13,5 — N 3,9 — M. G. 355.
- C<sub>21</sub>H<sub>34</sub>O<sub>2</sub>N** 1) **Monamid d. Nonadekan- $\alpha\alpha$ -Dicarbonsäure.** Sm. 126°. Ca (M. 17, 543).
- C<sub>21</sub>H<sub>34</sub>O<sub>2</sub>Cl** 1) **Glycerinstearylchlorhydrin.** Sm. 28° (A. Spt. 6, 24). — I, 445.
- C<sub>21</sub>H<sub>34</sub>O<sub>6</sub>S<sub>3</sub>** 1) **Hexapropyltrimethylentrisulfon.** Sm. 133° (B. 25, 245). — I, 1000.
- C<sub>21</sub>H<sub>34</sub>NS<sub>2</sub>** 1) **Oenanthonthioldin.** HCl (A. Spt. 6, 33). — I, 955.
- C<sub>21</sub>H<sub>34</sub>ON<sub>2</sub>** C 74,1 — H 12,9 — O 4,7 — N 8,2 — M. G. 340.
- C<sub>21</sub>H<sub>34</sub>ON<sub>2</sub>** 1) **Tetraiscamylharnstoff.** Sd. 240—241° (B. 12, 1332). — I, 1300.
- C<sub>21</sub>H<sub>34</sub>ON<sub>2</sub>** C 65,6 — H 11,5 — O 8,3 — N 14,6 — M. G. 384.
- C<sub>21</sub>H<sub>34</sub>ON<sub>2</sub>** 1)  **$\alpha\alpha$ -Oenanthyldendi[ $\beta\beta$ -Dipropylharnstoff].** Sm. 113° (R. 8, 242). — I, 1314.

**C<sub>21</sub>-Gruppe mit vier Elementen.**

- C<sub>21</sub>H<sub>17</sub>O<sub>3</sub>Br<sub>2</sub>S** 1) Di[ $\beta$ -Brom-2-Naphtylester] d. Thiokohlensäure. Sm. 171° (B. 27, 3412).
- C<sub>21</sub>H<sub>17</sub>O<sub>3</sub>NBr<sub>4</sub>** 1) Hydrocyantetrabromrosolsäure (A. 179, 203). — II, 1122.
- C<sub>21</sub>H<sub>14</sub>ONCl** 1) Chlorid d. Di[2-Naphyl]amidoameisensäure. Sm. 151° (172 bis 173°) (J. pr. [2] 56, 12, B. 23, 428, S11, 2162). — II, 615.
- C<sub>21</sub>H<sub>14</sub>ON<sub>2</sub>S** 1) Thio- $\beta$ -Dinaphylharnstoff. Zers. bei 215° (B. 24, 2917). — II, 870.
- C<sub>21</sub>H<sub>14</sub>ON<sub>2</sub>Cl** 1) 7-Chlor-8-Phenylimido-6-Phenylamido-5-Keto-5,6-Dihydrochinolin. Sm. 180° u. Zers. (A. 264, 225; 290, 334). — IV, 278.
- C<sub>21</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Phtalylpseudodiphenylthiocarbazon. Sm. 182° (B. 26, 2496). — IV, 711.
- C<sub>21</sub>H<sub>15</sub>O<sub>3</sub>N<sub>2</sub>Cl**,  
**C<sub>21</sub>H<sub>15</sub>O<sub>3</sub>N<sub>2</sub>Br** 1) Trichlorhydrosalicylamid (A. 30, 174). — III, 72.
- C<sub>21</sub>H<sub>15</sub>O<sub>3</sub>S,As** 1) Thiobenzoylarsen. Sm. 178—179° (Bl. 47, 896). — II, 1291.
- C<sub>21</sub>H<sub>15</sub>O<sub>3</sub>Cl<sub>2</sub>P** 1) Tri-2-Dichlormethylphenylester d. Phosphorsäure. Sm. 78° (Soc. 53, 403). — II, 738.
- C<sub>21</sub>H<sub>16</sub>ON<sub>4</sub>S** 1) 2-Benzoylphenylamido-5-Phenylamido-1,3,4-Thiodiazol. Sm. 238° (B. 22, 1179). — IV, 1236.
- C<sub>21</sub>H<sub>16</sub>O<sub>3</sub>NBr** 1) Benzozat d. 4-Brom-5-Benzoylamido-2-Oxy-1-Methylbenzol. Sm. 200° (B. 27, 1931). — II, 1179.
- 2) Benzozat d. 4-Brom-6-Benzoylamido-2-Oxy-1-Methylbenzol. Sm. 229° (B. 27, 1931). — II, 1179.
- C<sub>21</sub>H<sub>16</sub>O<sub>3</sub>N<sub>2</sub>S** 1) Monodiphenylthioureid d. Benzol-1,2-Dicarbonsäure (Diphenylthiophthalinsäure) (Am. 18, 337).
- C<sub>21</sub>H<sub>16</sub>O<sub>5</sub>Br<sub>2</sub>S** 1) Dibrom-o-Kresolsulfonphthalein (Am. 20, 266).
- C<sub>21</sub>H<sub>16</sub>O<sub>5</sub>N<sub>2</sub>S<sub>2</sub>** 1) Lophindisulfonsäure. Na + 2H<sub>2</sub>O (B. 13, 709). — III, 27.
- C<sub>21</sub>H<sub>17</sub>ON<sub>2</sub>S** 1) Thiocarbanilidothioxanilid. Sm. 213° (J. pr. [2] 32, 3). — II, 412.
- C<sub>21</sub>H<sub>17</sub>ON<sub>2</sub>Br<sub>2</sub>** 1)  $\beta$ -Tribrom- $\beta$ -Acetyl- $\beta$ -Phenylamidophenylimidomethyl- $\alpha$ -Phenylhydrazin. Sm. 227° (J. pr. [2] 58, 463).
- C<sub>21</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) 4-(2-Chlorbenzoyl)amido-3-Benzoylamido-1-Methylbenzol. Sm. 178° (B. 13, 467). — IV, 617.
- 2) Verbindung (aus Benzoylchlorid u. 3-Phenylimido-3,4-Dihydro-2,4-Benzoxazin). Sm. 117° (B. 27, 2124). — IV, 874.
- C<sub>21</sub>H<sub>17</sub>O<sub>2</sub>N<sub>2</sub>Br** 1)  $\beta$ -Brom-2,4-Di[Benzoylamido]-1-Methylbenzol. Sm. 214° (B. 14, 2658). — IV, 606.
- 2) 5-Brom-3,4-Di[Benzoylamido]-1-Methylbenzol. Sm. 244° (B. 23, 1050). — IV, 617.
- C<sub>21</sub>H<sub>17</sub>O<sub>3</sub>N<sub>2</sub>S** 1)  $\beta$ -Phenylhydrazon- $\beta$ -Phenyläthylimid d. Benzol-1-Carbonsäure-2-Sulfonsäure. Sm. 168° (B. 29, 332). — IV, 771.
- C<sub>21</sub>H<sub>17</sub>N<sub>2</sub>Br,J** 1) Jodmethyatl d.  $\alpha\beta$ -Dibrom- $\alpha$ -2-Chinolyl- $\beta$ -7-Chinolyläthan. Sm. 210° u. Zers. (B. 23, 3651). — IV, 1079.
- C<sub>21</sub>H<sub>18</sub>ON<sub>2</sub>J<sub>2</sub>** 1) Dijodmethyatl d. Cinchoninin + 1 $/$ <sub>2</sub>H<sub>2</sub>O. Sm. 223° u. Zers. (wasserfrei) (B. 27 [2], 257).
- C<sub>21</sub>H<sub>19</sub>ON<sub>2</sub>Cl** 1) 5-Chlorphenylat d. 3-Acetylamido-2-Methyl-5,10-Naphthiazin. 2 + PtCl<sub>4</sub> (B. 31, 969). — IV, 1182.
- C<sub>21</sub>H<sub>18</sub>O<sub>3</sub>N<sub>2</sub>S** 1) Verbindung (aus Hydroxylalamid) (J. 1857, 318). — III, 71.
- C<sub>21</sub>H<sub>18</sub>O<sub>3</sub>Cl<sub>2</sub>Bi** 1) Trimethyläther d. Tri[ $\beta$ -Chlor-4-Oxyphenyl]wismuthdichlorid. Sm. 133° (B. 30, 2850). — IV, 1698.
- C<sub>21</sub>H<sub>18</sub>O<sub>4</sub>N<sub>2</sub>S** 1)  $\beta$ -Phtalylamidoäthyl- $\gamma$ -Phtalylamidopropylsulfid. Sm. 123—124° (B. 27, 2176). — II, 1803.
- C<sub>21</sub>H<sub>18</sub>O<sub>4</sub>N<sub>2</sub>S<sub>2</sub>** 1) Methylenäther d. Benzol-1,2-Dicarbonsäure- $\beta$ -Merkaptoäthylimid. Sm. 133—134° (B. 25, 3055). — II, 1801.
- C<sub>21</sub>H<sub>18</sub>O<sub>4</sub>N<sub>2</sub>P** 1) Tri[4-Nitrobenzyl]phosphinoxyd. Sm. bei 100° (Soc. 55, 225). — IV, 1665.
- C<sub>21</sub>H<sub>19</sub>ON<sub>2</sub>S** 1)  $\alpha$ -Phenylacetyl amido- $\alpha\beta$ -Diphenylthioharnstoff. Sm. 125—126° (B. 27, 1518). — IV, 681.
- C<sub>21</sub>H<sub>19</sub>ON<sub>2</sub>Br** 1)  $\alpha$ -[4-Methylphenyl]- $\beta$ -[4-Methylphenyl]azo- $\beta$ -[4-Bromphenyl]harnstoff. Sm. 129° (B. 21, 2569). — IV, 1571.
- C<sub>21</sub>H<sub>19</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>** 1)  $\alpha$ -Trichlorstrychnin (J. 1880, 997). — III, 940.
- 2)  $\beta$ -Trichlorstrychnin. HCl (J. pr. [2] 42, 412). — III, 940.

- C<sub>21</sub>H<sub>19</sub>O<sub>2</sub>N<sub>2</sub>S**
- 1) Phenylthioharnstoff d. 4-Nitro-2-[4-Amidobenzyl]-1-Methylbenzol. Sm. 167° (B. 26, 1853). — II, 637.
- C<sub>21</sub>H<sub>19</sub>O<sub>2</sub>N<sub>2</sub>S**
- 1) 6-Methyl-3-Phenyl-2-[4-Methylphenyl]-2,3-Dihydro-1,2,4-Benzotriazin-3'-Sulfonsäure (B. 30, 2603). — IV, 1184.
- C<sub>21</sub>H<sub>19</sub>O<sub>4</sub>NS<sub>2</sub>**
- 1)  $\alpha$ -4-Methylphenylsulfon- $\gamma$ -[2-Naphthyl]sulfon- $\beta$ -Imidopropan. Sm. 126° (J. pr. [2] 55, 411).
- C<sub>21</sub>H<sub>20</sub>ON<sub>2</sub>S**
- 1)  $\alpha$ -Phenyl- $\beta$ -[ $\beta$ -Oxy- $\alpha$ -Diphenyläthyl]thioharnstoff. Sm. 171° (B. 28, 1902).
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>**
- 1) Dichlorstrychnin (J. 1880, 997). — III, 940.
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>**
- 1) Dibromstrychnin. Zers. bei 250°. HCl (B. 18, 1237). — III, 940.
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub>**
- 1) Di[2-Methylphenylamid] d. Benzol-1-Carbonsäure-2-Sulfonsäure. + 2C<sub>7</sub>H<sub>6</sub>O (Am. 17, 328).
  - 2) Di[3-Methylphenylamid] d. Benzol-1-Carbonsäure-2-Sulfonsäure. Sm. 161,5–162,5° (Am. 17, 327).
  - 3) isom.-Di[3-Methylphenylamid] d. Benzol-1-Carbonsäure-2-Sulfonsäure. Sm. noch nicht bei 250°. + C<sub>7</sub>H<sub>6</sub>O (Am. 17, 326).
  - 4) Di[4-Methylphenylamid] d. Benzol-1-Carbonsäure-2-Sulfonsäure. Sm. noch nicht bei 250° (Am. 17, 324).
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>NJ**
- 1) Jodmethylat d. Berberin (G. 13, 345; C. 1895 [2] 138). — III, 800.
- C<sub>21</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>S<sub>2</sub>**
- 1)  $\beta$ -Phenylhydrazon- $\alpha$ -Diphenylsulfonpropan. Sm. 171° u. Zers. (J. pr. [2] 36, 421). — IV, 768.
  - 2) 1,2-[ $\alpha$ -Trimethylen]-diphenylsulfondiamidobenzol. Sm. 204 bis 205° (A. 287, 227). — IV, 560.
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>J**
- 1) Jodethylat d. 3,5-Di[4-Nitrobenzyl]pyridin. Sm. 167–173° u. Zers. (A. 280, 56). — IV, 456.
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>S**
- 1) Anilinfuronaphthionat (A. 239, 362). — III, 724.
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub>**
- 1) Verbindung (aus d. Verb. C<sub>14</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub> aus 1-Methylbenzol-4-Sulfinsäure). Sm. 209,5° u. Zers. (J. pr. [2] 56, 224, 226).
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>NCl**
- 1) Chlor- $\alpha$ -Orcindichroin (B. 13, 811; 21, 2483). — II, 965.
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>NBr**
- 1) Brom- $\alpha$ -Orcindichroin (B. 21, 2484). — II, 966.
- C<sub>21</sub>H<sub>21</sub>ONBr<sub>2</sub>**
- 1) Aethyläther d. Dibromapocinchen. Sm. 116–118° (B. 20, 2679). — III, 838.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>N<sub>2</sub>Cl**
- 1) Chlorestrychnin. H<sub>2</sub>SO<sub>4</sub> + 7H<sub>2</sub>O (A. 69, 14; J. 1880, 996; C. r. 91, 990). — III, 939.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>N<sub>2</sub>Br**
- 1)  $\alpha$ -Bromstrychnin. Sm. 222°. HCl, HBr, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> + 7H<sub>2</sub>O (B. 18, 1236; Soc. 47, 140). — III, 940.
  - 2)  $\beta$ -Bromstrychnin. (2HCl, PtCl<sub>4</sub>) (M. 6, 855). — III, 940.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>N<sub>2</sub>J<sub>2</sub>**
- 1) Jodid d. Chininjodmethyle (J. pr. [2] 3, 145). — III, 813.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>Cl<sub>2</sub>Sb**
- 1) Trimethyläther d. Tri[4-Oxyphenyl]antimondichlorid. Sm. 116 bis 117°. + C<sub>6</sub>H<sub>6</sub> (B. 30, 2836). — IV, 1695.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>Br<sub>2</sub>Sb**
- 1) Trimethyläther d. Tri[4-Oxyphenyl]antimondibromid. Sm. 123°. + C<sub>6</sub>H<sub>6</sub> (B. 30, 2837). — IV, 1695.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>Br<sub>2</sub>Bi**
- 1) Trimethyläther d. Tri[4-Oxyphenyl]wismuthdibromid. Sm. 103° (B. 30, 2849). — IV, 1698.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>J<sub>2</sub>Sb**
- 1) Trimethyläther d. Tri[4-Oxyphenyl]antimondijodid. Sm. 116° (B. 30, 2838). — IV, 1695.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>NS**
- 1) Verbindung (aus 1-Methylbenzol-4-Sulfinsäure u. Benzaldoxim). Sm. 124° (J. pr. [2] 56, 236).
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub>**
- 1) Tribenzolsulfontrimethylentriimid. Sm. 217° (B. 26, 2149). — II, 116.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>N<sub>6</sub>P**
- 1)  $\rho$ -Nitro-4-Methylphenylamid d. Orthophosphorsäure. Sm. 247° (B. 26, 571). — II, 490.
- C<sub>21</sub>H<sub>21</sub>O<sub>2</sub>NS<sub>2</sub>**
- 1) TribenzylaminetrifluorosäureP (A. 144, 311). — II, 582.
  - 2) Verbindung (aus 1-Methylbenzol-4-Sulfinsäure). Sm. 190° (A. 145, 19).
- C<sub>21</sub>H<sub>21</sub>O<sub>10</sub>S<sub>2</sub>P**
- 1) Tribenzylyphosphinoxytrifluorosäure. Ba (Soc. 55, 226). — IV, 1665.
- C<sub>21</sub>H<sub>21</sub>OJSb**
- 1) Tri[4-Methylphenyl]jodantimoniumoxyhydrat. Sm. 218–219° (A. 242, 173). — IV, 1697.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>NCl**
- 1) Chlormethylat d. Cusparin. Sm. 190°. 2 + PtCl<sub>4</sub>, + AuCl<sub>3</sub> (B. 29 [2] 777; C. 1895 [2] 826). — III, 777.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>NJ**
- 1) Jodmethylat d. Cusparin. Sm. 186° (B. 29 [2] 36; C. 1895 [2] 826). — III, 777.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>NP**
- 1) 2-Methylphenylamid d. Phosphorsäuredi[4-Methylphenylester]. Sm. 161° (B. 27, 2578).

- C<sub>21</sub>H<sub>22</sub>O<sub>3</sub>NP** 2) **4-Methylphenylamid d. Phosphorsäuredi[4-Methylphenylester].** Sm. 161° (B. 27, 257).  
**C<sub>21</sub>H<sub>22</sub>O<sub>3</sub>NBr** 1) **Diacetyl brommormorphin.** Sm. 208° (A. 297, 208).  
**C<sub>21</sub>H<sub>22</sub>O<sub>3</sub>NJ** 1) **Jodmethylat d. Papaveraldin + 3H<sub>2</sub>O.** Sm. 136° (M. 7, 489). — IV, 442.  
**C<sub>21</sub>H<sub>22</sub>O<sub>3</sub>N<sub>2</sub>S** 2) **Jodmethylat d. Protopin.** (M. 10, 193).  
**C<sub>21</sub>H<sub>22</sub>O<sub>6</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Strychninsulfosäure.** Ba + 7H<sub>2</sub>O (M. 6, 858; B. 18, 3429; G. 17, 109). — III, 941.  
**C<sub>21</sub>H<sub>22</sub>O<sub>6</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Verbindung (aus 1-Methylbenzol-4-Sulfinsäure u. salpetriger Säure).** Sm. 190° (A. 145, 19). — II, 110.  
**C<sub>21</sub>H<sub>22</sub>O<sub>6</sub>NCl** 1) **Chlornitrophillygenin.** (A. 118, 128). — III, 600.  
**C<sub>21</sub>H<sub>22</sub>O<sub>6</sub>NBr** 1) **Bromnitrophillygenin.** (A. 118, 128). — III, 600.  
**C<sub>21</sub>H<sub>22</sub>O<sub>6</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Strychnindisulfosäure.** Na<sub>2</sub> + 6H<sub>2</sub>O, K<sub>2</sub>, Ba (B. 18, 3430; G. 17, 113). — III, 942.  
**C<sub>21</sub>H<sub>22</sub>ON,P** 1) **Di[Phenylamid] d. 2,4,5-Trimethylphenylphosphinsäure.** Sm. 197° (A. 294, 10). — IV, 1678.  
2) **Di[4-Methylphenylamid] d. 4-Methylphenylphosphinsäure.** Sm. 237° (A. 293, 269). — IV, 1669.  
**C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>NBr<sub>2</sub>** 1) **5-Benzozat d. 3,6-Dibrom-5-Oxy-2-Piperidylmethoxy-1,4-Dimethylbenzol.** Sm. 136,5—137,5° (B. 28, 2008). — IV, 20.  
**C<sub>21</sub>H<sub>22</sub>O<sub>6</sub>N<sub>2</sub>P** 1) **Phenylamid d. Phosphortrihydrobrenztraubensäure.** Sm. 158° (B. 21, 2923). — II, 405.  
**C<sub>21</sub>H<sub>22</sub>O<sub>6</sub>N<sub>2</sub>S** 1) **Alloxan-Morphindisulfit.** (A. 248, 151). — III, 898.  
**C<sub>21</sub>H<sub>22</sub>NCIP** 1) **Methyl-4-Dimethylamidotriphenylphosphoniumchlorid.** (A. 260, 31). — IV, 1660.  
**C<sub>21</sub>H<sub>22</sub>NJP** 1) **Methyl-4-Dimethylamidotriphenylphosphoniumjodid.** Fl. (A. 260, 31). — IV, 1660.  
**C<sub>21</sub>H<sub>22</sub>ON,NBr<sub>2</sub>** 1) **Bromderivat d. Verb. C<sub>21</sub>H<sub>22</sub>ON, (aus Furfurol) (A. 206, 144).** — III, 723.  
**C<sub>21</sub>H<sub>22</sub>ON,S** 1) **Thiophengrün.** Fl. H<sub>2</sub>SO<sub>4</sub>, Oxalat, Pikrat (B. 20, 516). — III, 753.  
**C<sub>21</sub>H<sub>22</sub>ON<sub>2</sub>P** 1) **2-Methylphenylamid d. Orthophosphorsäure.** Sm. 225° (B. 26, 565). — II, 460.  
2) **4-Methylphenylamid d. Orthophosphorsäure.** Sm. 192° (B. 26, 569). — II, 490.  
1) **Jodmethylat d. Galipein.** Sm. 146° (B. 25 [2] 201). — III, 778.  
1) **Verbindung (aus Benzaldehyd u. p-Toluidinsulfit).** Sm. 119—120° (B. 24, 753). — III, 7.  
**C<sub>21</sub>H<sub>22</sub>O<sub>4</sub>NCI** 1) **Chlormethylat d. Canadin.** 2 + PtCl<sub>4</sub>. — III, 804.  
2) **Chlormethylat d. Hydroberberin + 3H<sub>2</sub>O.** 2 + PtCl<sub>4</sub>, + AuCl<sub>3</sub>. — III, 801.  
3) **Chlormethylat d. Papaverin.** Sm. 75°. 2 + PtCl<sub>4</sub> (M. 9, 758; 10, 682). — IV, 440.  
1) **Jodmethylat d. Canadin.** Sm. 228—232° (B. 27 [2] 313). — III, 804.  
2) **Jodmethylat d. Hydroberberin.** Sm. 228—235° (G. 13, 343). — III, 801.  
3) **Jodmethylat d. Papaverin + 4(7)H<sub>2</sub>O.** Sm. 55—60° (195° wasserfrei) (B. 18, 1577; M. 6, 692; 9, 758; J. pr. [2] 38, 496; J. 1886, 1717). — IV, 440.  
**C<sub>21</sub>H<sub>22</sub>N<sub>2</sub>SP** 1) **2-Methylphenylamid d. Orthothiophosphorsäure.** Sm. 134,5° (B. 26, 569). — II, 460.  
2) **4-Methylphenylamid d. Orthothiophosphorsäure.** Sm. 185° (B. 26, 572). — II, 490.  
**C<sub>21</sub>H<sub>22</sub>ON<sub>4</sub>P** 1) **Di[Phenylhydrazid] d. 2,4,5-Trimethylphenylphosphinsäure.** Sm. 208° (A. 294, 14). — IV, 1678.  
**C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) **Acetylhydrochlorinchonin.** (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (A. 205, 354). — III, 832.  
2) **Acetylhydrochloropocinchoninid.** Sm. 150°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (A. 205, 353). — III, 853.  
**C<sub>21</sub>H<sub>22</sub>O<sub>3</sub>NJ** 1) **Jodmethylat d. Methylthebeninmethyläther.** Sm. 215° (B. 32, 181).  
2) **Jodäthylat d. Thebain.** (B. 17, 532). — III, 910.  
**C<sub>21</sub>H<sub>22</sub>O<sub>4</sub>NCl** 1) **Chlormethylat d. Acetylcodein + 2H<sub>2</sub>O.** 2 + PtCl<sub>4</sub> (A. 222, 217). — III, 905.

- C<sub>21</sub>H<sub>26</sub>O<sub>4</sub>NJ**
- 1) Jodäthylat d. Acetylmorphin.  $\alpha$ -Modif. +  $\frac{1}{2}$ H<sub>2</sub>O.  $\beta$ -Modif. amorph (Soc. 28, 315). — III, 899.
  - 2) Jodmethylylat d. Acetylcodein. Sm. 250—252° u. Zers. (A. 297, 219).
- C<sub>21</sub>H<sub>27</sub>ON<sub>2</sub>Cl**
- 1) Chloräthylat d. Cinchonin + H<sub>2</sub>O. (HCl, PtCl<sub>4</sub>) (Soc. 26, 1183; J. pr. [2] 3, 152). — III, 833.
  - 2) Chloräthylat d. Cinchonidin + 3H<sub>2</sub>O (B. 14, 1922). — III, 851.
- C<sub>21</sub>H<sub>27</sub>ON<sub>2</sub>Br**
- 1) Bromäthylat d. Cinchonin. + Hg(CN)<sub>2</sub>, + AgCN (Soc. 26, 1183; A. 269, 262). — III, 833.
  - 2) Bromäthylat d.  $\beta$ -Isocinchonin + H<sub>2</sub>O. Sm. 217° (J. 1888, 2287). — III, 847.
  - 3) Bromäthylat d. Cinchonicin. Sm. 153° (Bl. [3] 13, 1007). — III, 846.
  - 4) Bromäthylat d. Cinchonidin + H<sub>2</sub>O (B. 14, 1922; J. 1882, 1109). — III, 851.
  - 5) Bromäthylat d. Cinchonilin (J. 1888, 2287). — III, 848.
- C<sub>21</sub>H<sub>27</sub>ON<sub>2</sub>J**
- 1) Jodmethylylat d. Methylcinchonin. Sm. 201° u. Zers. (B. 13, 2293). — III, 832.
  - 2) Jodmethylylat d. Methyleinchonidin + 2H<sub>2</sub>O (B. 13, 2192). — III, 851.
  - 3)  $\alpha$ -Jodäthylat d. Cinchonin. Zers. bei 260°. HJ + H<sub>2</sub>O, + Ag(CN)<sub>2</sub>, + AgCN (B. 13, 2286; J. pr. [2] 3, 152; M. 15, 43; A. 269, 261). — III, 833.
  - 4)  $\beta$ -Jodäthylat d. Cinchonin. Sm. 184° u. Zers. (M. 15, 41). — III, 833.
  - 5) Jodäthylat d.  $\beta$ -Isocinchonin + H<sub>2</sub>O. Sm. bei 232° (J. 1888, 2287). — III, 847.
  - 6) Jodäthylat d. Cinchonibin + H<sub>2</sub>O. Sm. 245° (J. 1888, 2288). — III, 848.
  - 7) Jodäthylat d. Cinchonicin (Bl. [3] 13, 1007). — III, 846.
  - 8)  $\alpha$ -Jodäthylat d. Cinchonidin + H<sub>2</sub>O. Sm. 261°. HJ + H<sub>2</sub>O (B. 11, 1821; 14, 47, 1922; A. 269, 257; M. 15, 46). — III, 851.
  - 9)  $\beta$ -Jodäthylat d. Cinchonidin. Sm. 175° u. Zers. (M. 15, 44). — III, 852.
  - 10) Jodäthylat d. Cinchoniflin. Sm. 251° u. Zers. (B. 27 [2] 257).
  - 11) Jodäthylat d. Cinchonilin +  $\frac{1}{2}$ H<sub>2</sub>O (J. 1888, 2287). — III, 848.
- C<sub>21</sub>H<sub>27</sub>ON<sub>2</sub>J<sub>2</sub>**
- 1) Jodid d. Cinchoninjodäthylat. Sm. 141—142° (J. pr. [2] 3, 152). — III, 833.
- C<sub>21</sub>H<sub>27</sub>ON<sub>2</sub>Cl<sub>2</sub>**
- 1) 3,4-Dichlor-2-Dipiperidyl-5-Keto-1-[4-Methylphenyl]-2,5-Dihydropyrrrol (Dichlormalein-p-Toluidipiperidol). Sm. 107° (B. 28, 58; A. 295, 52).
- C<sub>21</sub>H<sub>27</sub>O<sub>2</sub>N<sub>2</sub>Cl**
- 1) Chloromethylylat d. Chinin + H<sub>2</sub>O. Sm. 181—182°. (HCl, PtCl<sub>4</sub>) (B. 14, 77). — III, 813.
- C<sub>21</sub>H<sub>27</sub>O<sub>2</sub>N<sub>2</sub>Br**
- 1) Brommethylat d. Chinin + H<sub>2</sub>O. Sm. 124—126° (B. 14, 76). — III, 813.
  - 2) Bromäthylat d.  $\alpha$ -Oxycinchonin. Sm. 243° (J. 1889, 2019). — III, 840.
- C<sub>21</sub>H<sub>27</sub>O<sub>2</sub>N<sub>2</sub>J**
- 1) Jodmethylylat d. Chinin + H<sub>2</sub>O. Sm. 233—236° u. Zers. HCl. (2 + H<sub>2</sub>SO<sub>4</sub> + J<sub>1</sub>), (2 + H<sub>2</sub>SO<sub>4</sub> + J<sub>2</sub>), (2 + H<sub>2</sub>SO<sub>4</sub> + J<sub>3</sub>), (4 + 2H<sub>2</sub>SO<sub>4</sub> + J<sub>1,2</sub>), (4 + 2H<sub>2</sub>SO<sub>4</sub> + J<sub>1,3</sub>) (A. 91, 164; B. 14, 76; J. pr. [2] 3, 145; [2] 14, 261; [2] 15, 76). — III, 813.
  - 2) Jodmethylylat d. Conchinin + H<sub>2</sub>O. Sm. 248° u. Zers. HCl (A. 90, 221). — III, 825.
  - 3) Jodäthylat d.  $\alpha$ -Oxycinchonin + H<sub>2</sub>O. Sm. 251° (wasserfrei) (J. 1889, 2019). — III, 840.
- C<sub>21</sub>H<sub>27</sub>O<sub>2</sub>N<sub>2</sub>J<sub>2</sub>**
- 1) Dijodid d. Conchininjodmethylylat. Sm. 164—165° (J. pr. [2] 3, 153). — III, 825.
- C<sub>21</sub>H<sub>27</sub>ON<sub>2</sub>Br<sub>2</sub>**
- 1) Di[Brommethylat] d. Cinchonin (B. 13, 2293).
  - 2) Di[Brommethylat] d. Cinchoniflin. Sm. 218° u. Zers. (B. 27 [2] 257).
- C<sub>21</sub>H<sub>27</sub>ON<sub>2</sub>J**
- 1) Di[Jodmethylylat] d. Cinchonin. Sm. 235° u. Zers. (B. 13, 2293). — III, 832.
  - 2) Di[Jodmethylylat] d. Cinchonibin +  $\frac{1}{2}$ H<sub>2</sub>O. Sm. 223° (J. 1888, 2288). — III, 848.
  - 3) Di[Jodmethylylat] d. Cinchonidin + 2H<sub>2</sub>O (B. 13, 2192; J. 1882, 1109; A. 269, 256). — III, 851.

- $C_{21}H_{20}ON_2J_2$  4) Jodäthylat d. Hydrojodecinchonin. Sm. 245° u. Zers. (M. 15, 40). — III, 833.
- 5) Jodäthylat d. Hydrojodecinchonidin. Sm. 243° (M. 15, 44). — III, 852.
- $C_{21}H_{20}O_2N_2Cl_2$
- $C_{21}H_{20}O_2N_2J_2$
- $C_{21}H_{20}O_5NJ$
- $C_{21}H_{20}O_4NBR$
- $C_{21}H_{20}O_5NJ$
- $C_{21}H_{20}O_5N_2S_2$
- $C_{21}H_{20}ON_2Cl$
- $C_{21}H_{20}ON_2J$
- $C_{21}H_{20}O_5N_2J$
- $C_{21}H_{20}O_5N_2Cl$
- $C_{21}H_{20}O_5N_2J$
- $C_{21}H_{20}O_4N_2S_2$
- $C_{21}H_{20}O_4NCl$
- $C_{21}H_{20}O_4NJ$
- $C_{21}H_{20}O_4N_2$
- $C_{21}H_{20}N_2JP$
- 1) Di[Chlormethylat] d. Cuprein. +  $PtCl_4$  (A. 266, 243). — III, 822.
- 1) Di[Jodmethylat] d. Cuprein + 3(5) $H_2O$ . Sm. 230° u. Zers. (A. 230, 69; 266, 243). — III, 822.
- 2) Di[Jodmethylat] d.  $\alpha$ -Oxycinchonin. Sm. 241° u. Zers. (J. 1889, 2019). — III, 840.
- 1) Jodmethylat d. Aethocodein (B. 15, 1486). — III, 904.
- 1) Aethobromocodeinmethoxydihydrat (B. 15, 1484). — III, 904.
- 1) Jodäthylat d. Laurotanin (C. 1899 [1] 122).
- 1)  $\alpha\beta$ -Di[Phenylsulfonnitramido]nonan. Sm. 86—87° (C. 1897 [2] 849).
- 1) Chloräthylat d. Cinchonamin. 2 +  $PtCl_4$  + 2 $H_2O$  (A. 225, 231). — III, 928.
- 1) Jodäthylat d. Cinchonamin. Sm. 196° (A. 225, 231; A. ch. [6] 19, 116). — III, 928.
- 1) Jodmethylat d. Hydrochininin. Sm. 218°. +  $C_6H_6O$  (A. 241, 275). — III, 860.
- 1) Chlormethylat (aus d. Verb.  $C_{19}H_{20}ON_2$ ) (B. 20, 458). — III, 948.
- 1) Jodmethylat (aus d. Verb.  $C_{19}H_{20}ON_2$ ) (B. 20, 458). — III, 948.
- 1)  $\alpha\beta$ -Di[Phenylsulfonamido]nonan. Sm. 74° (C. 1897 [2] 849).
- 1) Chloräthylat d. 2,6-Dimethyl-4-Phenylhexahydropyridin-3,5-Dicarbonsäurediäthylester. 2 +  $PtCl_4$  (B. 25, 2791). — IV, 215.
- 1) Jodäthylat d. 2,6-Dimethyl-4-Phenylhexahydropyridin-3,5-Dicarbonsäurediäthylester (B. 25, 2791). — IV, 215.
- 1) Isobutyl-4-Methylphenyldi[1-Piperidyl]phosphoniumjodid. Sm. 204° (B. 31, 1046). — IV, 1682.

### $C_{21}$ -Gruppe mit fünf Elementen.

- $C_{21}H_{12}ONClS$  1) Chlorid d. Thio- $\beta$ -Dinaphylamidoameisensäure. Sm. 254—255° (B. 24, 2915). — II, 870.
- $C_{21}H_{12}ON_2Br_2P$  1)  $P$ -Tri brom-4-Methylphenylamid d. Orthophosphorsäure. Sm. 180° u. Zers. (B. 26, 570). — II, 490.
- $C_{21}H_{12}O_4N_2ClBr_1$  Anilid d. Bromgalloxyaninhydrochlorid (Bl. [3] 15, 408). — III, 677.
- $C_{21}H_{12}O_4N_2ClS$  1) Verbindung (aus Gallussäureanilid u. Nitrosodimethylanilin) (Bl. [3] 11, 86). — III, 677.
- $C_{21}H_{12}ON_2Br_2P$  1) Tri[P-2-Methylphenylamid] d. Phosphorsäure. Sm. 253° (B. 26, 566). — II, 460.
- 2) Tri[2-Brom-4-Methylphenylamid] d. Phosphorsäure. Sm. 268° (B. 29, 726).
- 3) Tri[P-Brom-4-Methylphenylamid] d. Phosphorsäure. Sm. 221° (B. 26, 571). — II, 490.
- $C_{21}H_{20}O_4NClBr$  1) Chlormethylat d. Acetyl bromo codein (A. 297, 219).
- $C_{21}H_{20}O_5NBrJ$  1) Jodmethylat d. Aethobromo codein (B. 15, 1484). — III, 904.

### $C_{22}$ -Gruppe mit einem Element.

- $C_{22}H_{12}$  C 95,6 — H 4,4 — M. G. 276.
- 1)  $2,2$ -Dinaphylanthrylen. Sm. 270°. Pikrat (B. 11, 302). — II, 302.
- $C_{22}H_{14}$  C 95,0 — H 5,0 — M. G. 278.
- 1) Picen. Sm. 350° (364° cor.); Sd. 518—520° (B. 13, 1834; 14, 175; 26, 1751; A. 284, 52; Bl. [3] 6, 238; J. 1889, 744). — II, 299.
- 2) 1,1-Dinaphyläthin. Sm. 225° (B. 11, 301). — II, 299.
- $C_{22}H_{16}$  C 94,3 — H 5,7 — M. G. 280.
- 1)  $\alpha\beta$ -Di[1-Naphthyl]äthan. Sm. 161°. Pikrat (J. pr. [2] 47, 56). — II, 299.
- $C_{22}H_{18}$  C 93,6 — H 6,4 — M. G. 282.
- 1)  $\alpha\alpha$ -Di[1-Naphthyl]äthan. Sm. 136° (J. pr. [2] 47, 59). — II, 297.

- C<sub>22</sub>H<sub>18</sub>**      2)  $\alpha\beta$ -Di[1-Naphthyl]äthan. Sm. 160° (B. 21, 54). — II, 298.  
                   3)  $\alpha\beta$ -Di[2-Naphthyl]äthan. Sm. 253° (B. 21, 55). — II, 298.  
                   4) 3-Methyl-9-[4-Methylphenyl]anthracen. Sm. 191° (A. 299, 201).  
**C<sub>22</sub>H<sub>22</sub>**      C 92,3 — H 7,7 — M. G. 286.  
                   1) Tri[ $\beta$ -Methylphenyl]methan. Sm. 73°; Sd. 376—377,3°<sub>ref</sub> (A. ch. [6] 2, 353). — II, 290.  
                   2) Tri[ $\beta$ -Methylphenyl]methan (B. 18, 347). — II, 290.  
                   3) Di[1,3-Dimethylphenyl]benzol. Sd. 392—396° (A. 220, 234). — II, 290.  
**C<sub>22</sub>H<sub>24</sub>**      C 90,4 — H 9,6 — M. G. 292.  
                   1) Diamenylbenzol. Sd. 208—212° (M. 4, 623). — II, 172.  
                   2) Kohlenwasserstoff (aus Picenchinon). Sm. 285° (A. 284, 63).  
**C<sub>22</sub>H<sub>30</sub>**      C 89,8 — H 10,2 — M. G. 294.  
                   1) Kohlenwasserstoff (aus Benzylidenchlorid). Sd. oberh. 360° (M. 4, 618). — II, 243.  
**C<sub>22</sub>H<sub>34</sub>**      C 88,6 — H 11,4 — M. G. 298.  
                   1) Piceneikosahydrier. Sd. oberh. 360° (B. 22, 780). — II, 299.  
**C<sub>22</sub>H<sub>36</sub>**      C 88,0 — H 12,0 — M. G. 300.  
                   1) Picenperhydrier. Sm. 175°; Sd. oberh. 360° (B. 22, 780). — II, 299.  
**C<sub>22</sub>H<sub>38</sub>**      C 87,4 — H 12,6 — M. G. 302.  
                   1) Hexadekylbenzol (Cetylbenzol). Sm. 27°; Sd. 230°<sub>ref</sub> (136—137°) (B. 19, 2983; 21, 3181; 29, 1326). — II, 39.  
**C<sub>22</sub>H<sub>40</sub>**      C 86,8 — H 13,2 — M. G. 304.  
                   1) Kohlenwasserstoff (aus Hendekanaphthen). Sd. oberh. 340° (J. r. 15, 335). — II, 16.  
**C<sub>22</sub>H<sub>46</sub>**      C 85,2 — H 14,8 — M. G. 310.  
                   1) norm. Dokosan. Sm. 44,4°; Sd. 224,5°<sub>ref</sub> (136,5°) (B. 15, 1718; 16, 391; 21, 2261; 29, 1323; J. 1886, 1823). — I, 107.

### C<sub>22</sub>-Gruppe mit zwei Elementen.

- C<sub>22</sub>H<sub>2</sub>O<sub>4</sub>**      C 80,0 — H 0,6 — O 19,4 — M. G. 330.  
                   1) Verbindung (aus Graphit) (A. 114, 18). — II, 202I.  
**C<sub>22</sub>H<sub>10</sub>O<sub>13</sub>**      C 54,8 — H 2,0 — O 43,2 — M. G. 482.  
                   1) Verbindung (aus d. Säure C<sub>11</sub>H<sub>8</sub>O<sub>3</sub>) (G. 15, 468). — II, 2107.  
**C<sub>22</sub>H<sub>12</sub>O**      C 90,4 — H 4,1 — O 5,5 — M. G. 292.  
                   1) Verbindung (aus 2,2-Binaphthylenglykol). Sm. 198,5° (A. ch. [5] 28, 179). — II, 1104.  
**C<sub>22</sub>H<sub>12</sub>O<sub>2</sub>**      C 85,7 — H 3,9 — O 10,4 — M. G. 308.  
                   1) Picenchinon (B. 13, 1836; A. 284, 64). — III, 463.  
                   2) Dicarbonylbinaphtholen (M. 1, 254; B. 4, 725). — II, 1729.  
**C<sub>22</sub>H<sub>12</sub>O<sub>4</sub>**      C 77,6 — H 3,5 — O 18,8 — M. G. 340.  
                   1) Phtalaconcarbonsäure. Sm. 280—281,5°. Na + H<sub>2</sub>O, K + H<sub>2</sub>O (B. 17, 1389). — II, 1915.  
**C<sub>22</sub>H<sub>12</sub>O<sub>5</sub>**      C 74,2 — H 3,4 — O 22,4 — M. G. 356.  
                   1) Anhydroyverb. d.  $\alpha\alpha$ -Di[3-Oxy-1,4-Naphtochinonyl-2]-äthan (Soc. 65, 83). — III, 464.  
**C<sub>22</sub>H<sub>12</sub>O<sub>6</sub>**      C 70,9 — H 3,2 — O 25,8 — M. G. 372.  
                   1) Acetat d.  $\alpha$ -Oxydixanthon. Sm. 213° (B. 25, 1656). — III, 396.  
**C<sub>22</sub>H<sub>12</sub>N<sub>4</sub>**      C 79,5 — H 3,6 — N 16,9 — M. G. 332.  
                   1) Naphtidophenazin. Sm. noch nicht bei 275° (A. 286, 80). — IV, 1058.  
**C<sub>22</sub>H<sub>12</sub>Cl<sub>2</sub>**      1) Dichlorid d. Alkohols C<sub>22</sub>H<sub>12</sub>O<sub>2</sub> (B. 15, 733).  
                   1) Dibrompicen. Sm. 294—296° (B. 13, 1837; 14, 176; A. 284, 62). — II, 299.  
                   2) Dibromid d. Alkohols C<sub>22</sub>H<sub>12</sub>O<sub>2</sub> (B. 15, 733).  
                   C 76,1 — H 3,7 — N 20,2 — M. G. 347.  
                   1) Verbindung (aus 3,4-Diamido-1-Phenyl-1,2,5-Triazol u. Phenanthrenchinon). Sm. 289° (A. 295, 145). — IV, 1314.  
**C<sub>22</sub>H<sub>14</sub>O**      C 89,8 — H 4,8 — O 5,4 — M. G. 294.  
                   1) Alkohol (aus 2-Oxynaphthalin). Zers. bei 260° (B. 16 [2] 967; A. ch. [5] 28, 188). — II, 1095.  
**C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>**      C 85,2 — H 4,5 — O 10,3 — M. G. 310.  
                   1) 2,2-Binaphthylenglykol (A. ch. [5] 28, 151). — II, 1104.

- C<sub>22</sub>H<sub>14</sub>O<sub>3</sub>** C 81,0 — H 4,3 — O 14,7 — M. G. 326.  
 1) **1,3-Diketo-2-Benzoyl-2-Phenyl-2,3-Dihydroinden.** Sm. 168° (B. 28, 1390). — **III.** 322.  
 2) **Säure** (aus Dicarbonylbiphenyl) (M. I, 256). — **II.** 1730.  
 3) **Anhydrid d. Naphtalin-1-Carbonsäure.** Sm. 145° (B. I, 42). — **II.** 1445.  
 4) **Anhydrid d. Naphtalin-2-Carbonsäure.** Sm. 133—134° (B. 9, 1515). — **II.** 1453.  
 5) **Anhydrid** (aus Naphtalin-1-Carbonsäure u. Naphtalin-2-Carbonsäure). Sm. 126° (B. 9, 1515). — **II.** 1453.  
 6) **Di-2-Oxynaphthalin-1-Carbonsäurealdehyd.** Sm. 241° (Am. 14, 298). — **III.** 96.  
 7) **Verbindung** (aus  $\beta\beta$ -Di[2-Oxynaphthalen]- $\alpha\alpha$ -Trichloräthan). Sm. 210° u. Zers. (J. r. 23, 220). — **II.** 1007.  
**C<sub>22</sub>H<sub>14</sub>O<sub>5</sub>** C 73,8 — H 3,9 — O 22,3 — M. G. 358.  
 1) **Dibenzooat d. Verb. C<sub>22</sub>H<sub>14</sub>O<sub>5</sub>.** Sm. 163° (Am. 5, 350). — **II.** 919.  
 C 70,6 — H 3,7 — O 23,7 — M. G. 374.  
 1)  $\alpha\alpha$ -Di[3-Oxy-1,4-Naphthochinolyl(2)]äthan. Sm. bei 190° (Soc. 65, 82). — **III.** 464.  
 2) **Gem. Anhydrid d. Benzolecarbonsäure u. Benzol-1,2-Dicarbonsäure.** Sm. 123—124° (B. 28, 1577). — **II.** 1795.  
 3)  $\alpha$ , $\beta$ -Lakton d.  $\alpha$ -Oxytriphenylmethan- $\alpha^2$ , $\alpha^1$ , $\alpha^4$ -Tricarbonsäure (A. 299, 296).  
 4) **Diacetat d. 6,11-Dioxy-5,12-Diketo-5,12-Dihydronaphthacen.** Sm. 220—235° (B. 31, 1281).  
**C<sub>22</sub>H<sub>14</sub>O<sub>6</sub>** C 65,0 — H 3,4 — O 31,5 — M. G. 406.  
 1) **Disalicilsäurephthalid.** Sm. 276°. Ba (A. 303, 283).  
 C 62,6 — H 3,3 — O 34,1 — M. G. 422.  
 1) **Aurintricarbonsäure.** Ca<sub>4</sub>Ca<sub>6</sub> (B. 25, 941). — **II.** 2100.  
**C<sub>22</sub>H<sub>14</sub>O<sub>10</sub>** C 60,3 — H 3,2 — O 36,5 — M. G. 438.  
 1) **Oxyaurintricarbonsäure.** Ca<sub>6</sub> (B. 25, 942). — **II.** 2103.  
 C 58,1 — H 3,1 — O 38,8 — M. G. 454.  
 1) **Dioxyaurintricarbonsäure.** Ca<sub>4</sub> (B. 25, 943). — **II.** 2107.  
 2) **isom. Dioxyaurintricarbonsäure.** Ca<sub>6</sub> (B. 25, 944). — **II.** 2107.  
**C<sub>22</sub>H<sub>14</sub>O<sub>12</sub>** C 56,2 — H 3,0 — O 40,8 — M. G. 470.  
 1) **Tetracytellelagsäure** (A. 170, 80; B. 12, 1241; M. 13, 51). — **II.** 2054.  
 2) **Trioxaurintricarbonsäure.** Ca<sub>4</sub> (B. 25, 945). — **II.** 2108.  
 C 54,3 — H 2,9 — O 42,8 — M. G. 486.  
 1) **Tetraoxaurintricarbonsäure.** Ca<sub>4</sub> (B. 25, 945). — **II.** 2108.  
**C<sub>22</sub>H<sub>14</sub>O<sub>15</sub>** C 51,0 — H 2,7 — O 46,3 — M. G. 518.  
 1) **Hexaoxyaurintricarbonsäure.** Ca<sub>11</sub> (B. 25, 946). — **II.** 2109.  
**C<sub>22</sub>H<sub>14</sub>N<sub>2</sub>** C 86,3 — H 4,6 — N 9,1 — M. G. 306.  
 1) **2-Phenylphenanthrendiazin.** Sm. 190° (B. 28, 3174). — **IV.** 1090.  
**C<sub>22</sub>H<sub>14</sub>N<sub>4</sub>** C 79,0 — H 4,2 — N 16,8 — M. G. 334.  
 1) **3,6-Di[2-Naphthyl]-1,2,4,5-Tetrazin.** Sm. 246° (B. 30, 1885; A. 298, 45). — **IV.** 1305.  
**C<sub>22</sub>H<sub>14</sub>Cl<sub>2</sub>** 1)  $\beta\beta$ -Dichlor- $\alpha\alpha$ -Di[1-Naphthyl]äthan. Sm. 149—150° (B. 11, 299). — **II.** 298.  
 2) **isom.  $\beta\beta$ -Dichlor- $\alpha\alpha$ -Di[1-Naphthyl]äthan.** Sm. 219°; Sd. oberh. 360° (B. 11, 300). — **II.** 299.  
 C 81,2 — H 4,7 — N 13,1 — M. G. 321.  
 1) **2,5-Di[2-Naphthyl]-1,3,4-Triazol.** Sm. 222°. + AgNO<sub>3</sub> (B. 30, 1884; A. 298, 42). — **IV.** 1217.  
 2) **Rosindulin.** Sm. 198—199°. HCl + 3½H<sub>2</sub>O, H<sub>2</sub>CO<sub>3</sub> + 4H<sub>2</sub>O (A. 256, 236; 286, 227; 290, 268; B. 24, 587; 29, 2760; 30, 2627). — **IV.** 1205.  
 3) **Isorosindulin.** HCl, (2HCl PtCl<sub>4</sub>), HNO<sub>3</sub> (A. 290, 276). — **IV.** 1208.  
 4) **isom. Isorosindulin.** HNO<sub>3</sub> (B. 21, 1601; 29, 2753). — **IV.** 1202.  
 5) **Nitril d. 1,3,5-Triphenylpyrazol-4-Carbonsäure.** Sm. 189° (J. pr. [2] 58, 152).  
**C<sub>22</sub>H<sub>15</sub>N<sub>5</sub>** C 75,6 — H 4,3 — N 20,0 — M. G. 349.  
 1) **2,5,6-Triphenyl-1,2,3,4,7-Benzpentazol.** Sm. 217° (A. 295, 145). — **IV.** 1314.  
**C<sub>22</sub>H<sub>15</sub>Cl<sub>3</sub>** 1)  $\beta\beta\beta$ -Trichlor- $\alpha\alpha$ -Di[1-Naphthyl]äthan. Sm. 156° (B. 11, 298; J. pr. [2] 47, 55). — **II.** 298.

- C<sub>22</sub>H<sub>15</sub>Cl<sub>3</sub>**      2) isom.  $\beta\beta\beta$ -Trichlor- $\alpha\alpha$ -Di[1-Naphthyl]äthan (B. 11, 298; J. pr. [2] 47, 55). — II, 298.  
**C<sub>22</sub>H<sub>16</sub>O**      C 89,2 — H 5,4 — O 5,4 — M. G. 296.  
 1) 2,3,5-Triphenylfuran. Sm. 95—96° (Soc. 51, 430; 57, 645, 674; 71, 1141). — III, 695.  
 2) Anhydro- $\alpha\alpha$ -Di[2-Oxynaphthyl]äthan. Sm. 173° (A. 237, 270; J. pr. [2] 47, 79). — II, 1007.
- C<sub>22</sub>H<sub>16</sub>O<sub>2</sub>**      C 84,6 — H 5,1 — O 10,3 — M. G. 312.  
 1) Aethylenäther d. 2,2'-Dioxy-1,1'-Binaphthyl. Sm. 196—197° (B. [3] 19, 611).  
 2) 1,3-Diketо-2-Phenyl-2-Benzyl-2,3-Dihydroinden. Sm. 105—106° (B. 28, 1392). — III, 309.  
 3)  $\alpha\beta$ -Diketo- $\alpha\beta\beta$ -Triphenyl- $\beta$ -Buten ( $\alpha\beta$ -Dibenzoylstyrol). Sm. 129° (Soc. 57, 673, 715; 71, 1140; B. 18, 188; A. 302, 196). — III, 308.  
 4) Isodibenzoylstyrol. Sm. 197—198° (Soc. 57, 706; 71, 1142). — III, 309.  
 5) Acetat d. 10-Oxy-9-Phenylanthracen. Sm. 165—166° (A. 202, 57). — II, 1094.  
 6) Lakton d.  $\alpha$ -Oxy- $\alpha\gamma\gamma$ -Triphenylpropen- $\gamma$ -Carbonsäure. Sm. 117 bis 118° (Soc. 57, 677, 716). — II, 1726.  
**C<sub>22</sub>H<sub>16</sub>O<sub>3</sub>**      C 80,5 — H 4,9 — O 14,6 — M. G. 328.  
 1) Tribenzoylmethan. Sm. 223—226° (B. 16, 2135; Soc. 47, 253; A. 282, 178; 291, 92, 95; Am. 19, 886). — III, 321.  
 2) isom. P-Tribenzoylmethan. Sm. 210—220° (A. 291, 93). — III, 321.  
 3) Acetat d. 10-Oxy-9-Keto-10-Keto-9,10-Dihydroanthracen. Sm. 194—196° (A. 202, 61). — III, 260.  
 4) Benzoat d.  $\gamma$ -Keto- $\gamma$ -Phenyl- $\alpha$ -[2-Oxyphenyl]propen. Sm. 102° (B. 29, 379). — III, 247.  
 5) Anhydrid d. p-Kresolphaleinsäure. Sm. 246° (A. 212, 340). — II, 1987.  
**C<sub>22</sub>H<sub>16</sub>O<sub>4</sub>**      C 76,8 — H 4,6 — O 18,6 — M. G. 344.  
 1) polym. Phenyleumalum, siehe C<sub>11</sub>H<sub>8</sub>O<sub>2</sub>.  
 2) Hydrophthalaconcarbonsäure. Sm. oberh. 280°. Ag (B. 17, 1395). — II, 1914.  
 3) Dioxyessigdi[1-Naphthyläther]säure. Sm. 174°. Na (B. 27, 2798).  
 4) Dioxyessigdi[2-Naphthyläther]säure. Sm. 134°. Na (B. 27, 2799).  
 5) Dibenzoylphenylessigsäure? Sm. 200° u. Zers. Ag (Soc. 69, 741).  
 6)  $\alpha$ , $\beta$ -Lakton d.  $\alpha$ -Oxy-P-Acetoxytrifluoromethylmethan-2-Carbonsäure. Sm. 135—136° (B. 13, 1615). — II, 1910.  
 7) Äthylester d. Säure C<sub>10</sub>H<sub>12</sub>O<sub>4</sub> (aus 2-Oxynaphthalin). Sm. 123—124° (M. 10, 119). — II, 1914.  
 8) P-Acetat d. 10-Oxy-9-Keto-10-[P-Oxyphenyl]-9,10-Dihydroanthracen. Sm. 207° (B. 13, 1617). — III, 260.  
**C<sub>22</sub>H<sub>16</sub>O<sub>5</sub>**      C 73,3 — H 4,4 — O 22,2 — M. G. 360.  
 1) Kresozincphaltein (B. 15, 1069; A. 215, 95). — II, 2066.  
 2)  $\alpha$ -Orcinphaltein. Zers. bei 230°. HCl (A. 183, 63; B. 29, 2631). — II, 2066.  
 3)  $\beta$ -Orcinphaltein +  $\frac{1}{2}$ H<sub>2</sub>O (A. 183, 67; B. 29, 2635).  
 4)  $\gamma$ -Orcinphaltein (B. 29, 2633).  
 5) Dimethyläther d. Fluorescein. Sm. 198° (B. 27, 2790). — II, 2061.  
 6) Aethyläther d. Fluorescein. Sm. 251° (B. 28, 47). — II, 2061.  
 7) Methylester d. Methylätherfluorescein. Sm. 208° (B. 28, 396). — II, 2061.  
 8) Äthylester d. Fluorescein. Sm. 247° (B. 28, 46). — II, 2061.  
 9) 3,4-Methylenäther-1-Aacetat d.  $\gamma$ -Keto- $\gamma$ -[1-Oxy-2-Naphthyl]- $\alpha$ -[3,4-Dioxyphenyl]propen. Sm. 129—130° (B. 31, 708).  
 10) Dibenzoat d. Methyl-2,5-Dioxyphenylketon. Sm. 113° (B. 31, 1216).  
 11) Dibenzoylbersteinsäureanhydrid. Sm. 198—200° u. Zers. (A. 293, 119).  
 12) Farbstoff (aus Corallin) + H<sub>2</sub>O (M. 16, 380).  
 C 67,3 — H 4,1 — O 28,6 — M. G. 392.
- C<sub>22</sub>H<sub>16</sub>O<sub>7</sub>**      1)  $\alpha$ -Oxytriphenylmethan- $\alpha'$ , $\alpha'$ , $\alpha'$ -Tricarbonsäure. Sm. 165° u. Zers. Na<sub>2</sub>, Ag<sub>2</sub> (A. 299, 295).  
 2) Disimmtweinsäureanhydrid. Sm. 147—148° u. Zers. (A. ch. [7] 3, 486). — II, 1407.

- C<sub>22</sub>H<sub>18</sub>O<sub>6</sub>** C 64,7 — H 3,9 — O 31,4 — M. G. 408.  
 1)  $\beta$ -Dioxytriphenylmethan- $\beta$ -Tricarbonsäure (Disalicylsäure-o-Toluylsäure). Zers. bei 145° (A. 303, 287).
- C<sub>22</sub>H<sub>18</sub>O<sub>10</sub>** C 60,0 — H 3,6 — O 36,4 — M. G. 440.  
 1) Tetracyetylphlorotanninroth (A. 252, 90). — IV, 1919.  
 2) Tetracetat d. 1,2,5,8-Tetraoxy-9,10-Anthrachinon. Sm. 201° (A. 240, 302). — III, 438.  
 3) Tetracetat d. 1,3,5,7-Tetraoxy-9,10-Anthrachinon. Sm. 253° (B. 19, 755). — III, 437.  
 4) Tetracetat d.  $\alpha$ -Oxyanthragallol. Sm. 207—209° (B. 19, 2339; A. 240, 272). — III, 437.  
 5) Tetracetat d.  $\beta$ -Oxanthragallol. Sm. 189° (B. 19, 2340; A. 240, 273). III, 437.
- C<sub>22</sub>H<sub>18</sub>N<sub>2</sub>** C 85,7 — H 5,2 — N 9,1 — M. G. 308.  
 1) 1,4-Di[Phenylimido]-1,4-Dihydronaphthalin. Sm. 187° (A. 256, 255). — IV, 922.  
 2) Di[2-Naphtyliden]hydrazin (2-Naphtalazin). Sm. 162° (B. 30, 1886; A. 298, 47). — IV, 1088.  
 3) 3,4,6-Triphenyl-1,2-Diazin. Sm. 171° (A. 289, 319). — IV, 1088.  
 4) Azobenzoyl (Berz. J. 18, 333; A. 111, 138; 136, 175). — III, 37.  
 5) Base (aus Formaldehyd u.  $\beta$ -Naphtylamin). Sm. 186—187°. HCl, HNO<sub>3</sub>, (Soc. 73, 542, 553). — IV, 1088.
- C<sub>22</sub>H<sub>18</sub>N<sub>4</sub>** C 78,5 — H 4,8 — N 16,7 — M. G. 336.  
 1)  $\alpha$ -Naphtalindisobenzol. Sm. 143° (B. 21, 2146). — IV, 1401.  
 2) 3,6-Di[2-Naphtyl]-1,2-Dihydro-1,2,4,5-Tetrazin. Sm. 246° (B. 30, 1884; A. 298, 43). — IV, 1304.
- C<sub>22</sub>H<sub>18</sub>Br<sub>2</sub>** 1)  $\beta$ -Dibrom- $\alpha\alpha$ -Di[1-Naphtyl]äthan. Sm. 215° (J. pr. [2] 47, 59). — II, 298.  
 2)  $\alpha\beta$ -Dibrom- $\alpha\alpha$ -Di[1-Naphtyl]äthan. Sm. 211° (J. pr. [2] 47, 58). — II, 298.
- C<sub>22</sub>H<sub>18</sub>N** C 89,5 — H 5,8 — N 4,7 — M. G. 295.  
 1) 1-Diphenylamidonaphthalin. Sm. 142°; Sd. 335—340°<sub>so—ss</sub> (B. 23, 2541). — II, 600.  
 2) 1,2,5-Triphenylpyrrol. Sm. 231° (B. 20, 1491, 3062). — IV, 498.  
 3) 2,3,5-Triphenylpyrrol. Sm. 140—141° (Soc. 57, 645; 71, 1146). — IV, 474.  
 4) isom. Triphenylpyrrol. Sm. 140—142° (B. 21, 3062). — IV, 438.  
 5) 3-Phenyl-2-Benzylchinolin. Fl. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (J. pr. [2] 57, 470).  
 6) Chinolyldiphenylmethan. Sm. 103—104°. (2HCl, PtCl<sub>4</sub>) (B. 19, 749; A. 241, 364). — IV, 475.  
 7) Nitril d.  $\alpha\beta\gamma$ -Triphenylpropen- $\alpha$ -Carbonsäure. Sm. 212° (J. pr. [2] 54, 547).
- C<sub>22</sub>H<sub>18</sub>N<sub>3</sub>** C 81,7 — H 5,3 — N 13,0 — M. G. 323.  
 1) 2-Phenylamido-1-Phenylazonaphthalin. Sm. 141—142° (B. 17, 2671; 20, 1168). — IV, 1397.  
 2) 4-Phenylamido-1-Phenylazonaphthalin. Sm. 151° (A. 256, 256). — IV, 1397.  
 3) 2,5-Di[2-Naphtyl]-2,3-Dihydro-1,3,4-Triazol. Sm. 240° u. Zers. (B. 30, 1886; A. 298, 46). — IV, 1216.  
 4) 6-Amido-2,4,5-Triphenyl-1,3-Diazin. Sm. 157°. HCl (J. pr. [2] 39, 253). — IV, 1216.  
 5) ms-Aethylidinaphthaloposafranin. HCl, HNO<sub>3</sub> (B. 31, 2488).  
 6) Verbindung (aus Tetraphenylcarbazon). HCl (A. 258, 241). — IV, 1191.
- C<sub>22</sub>H<sub>18</sub>N<sub>5</sub>** C 75,2 — H 4,8 — N 19,9 — M. G. 351.  
 1) 4-Amido-1,3-Di[Phenylazo]naphthalin. Sm. 189° (B. 21, 3241). — IV, 1401.  
 2)  $\alpha$ -Amidonaphthalindisobenzol. Sm. 170° (B. 21, 2146). — IV, 1401.  
 3)  $\beta$ -Amidonaphthalindisobenzol. Sm. 164° (B. 21, 2146). — IV, 1401.  
 4) 3,4-Di[Benzylidenamido]-1-Phenyl-1,2,5-Triazol. Sm. 162° (A. 295, 146). — IV, 1314.
- C<sub>22</sub>H<sub>18</sub>O** C 88,6 — H 6,0 — O 5,4 — M. G. 298.  
 1) 10-Oxy-3-Methyl-9-[4-Methylphenyl]anthracen (Tolylmethylanthranol). Sm. 117° (A. 299, 290; Bl. [3] 17, 975).

- $C_{22}H_{18}O$       2) **Masopin.** Sm. 155° (A. 46, 124). — III, 637.  
 $C_{22}H_{18}O_2$       C 84,1 — H 5,7 — O 10,2 — M. G. 314.
- 1) **Dinaphyläther d.  $\beta$ -Dioxy-1,1'-Binaphthyl.** Sm. 251° (B. 17, 2453). — II, 1004.
  - 2) **Dimethyläther d.  $\beta$ -Dioxybinaphthyl.** Sm. 190° (B. 17, 2454). — II, 1005.
  - 3) **2,2'-Dinaphyläther d.  $\alpha\alpha'$ -Dioxyäthan.** Sm. 200—201° (A. 237, 27; B. 19, 3010). — II, 886.
  - 4) **1,1'-Dinaphyläther d.  $\alpha\beta$ -Dioxyäthan.** Sm. 125—126° (B. 13, 1956). — II, 857.
  - 5) **2,2'-Dinaphyläther d.  $\alpha\beta$ -Dioxyäthan.** Sm. 217° (B. 13, 1954). — II, 877.
  - 6)  **$\alpha\beta$ -Diketo- $\alpha\beta$ -Triphenylbutan (Desylacetophenon).** Sm. 126° (Soc. 57, 644; B. 26, 61). — III, 306.
  - 7) **10-O-Oxy-9-Keto-3-Methyl-9-[4-Methylphenyl]-9,10-Dihydroanthracen (Tolylmethoxyanthranol).** Sm. 207° (A. 299, 290; Bl. [3] 17, 975).
  - 8) **Lakton d.  $\gamma$ -Oxy- $\alpha\alpha'\gamma$ -Triphenylbuttersäure.** Sm. 153° (Soc. 57, 679). — II, 1725.
  - 9) **Lakton d.  $\alpha$ -Oxy- $\alpha'$ -Phenyl- $\alpha^2,\alpha^2$ -Di[4-Methylphenyl]methan- $\alpha'$ -2-Carbonsäure (Ditolylphthalid).** Sm. 116° (Bl. 35, 405; 42, 168; [3] 17, 967; B. 14, 1867; A. 299, 287). — II, 1725.
  - 10) **Methylester d. Triphenylakrylsäure.** Sm. 136° (B. 29, 2842).
  - 11) **Methylester d.  $\alpha\alpha'\beta$ -Triphenyläthen- $\alpha^2$ -Carbonsäure.** Sm. 101—102° (B. 30, 1283).
  - 12) **Acetat d.  $\alpha$ -Oxytriphenyläthen.** Sm. 104,5—105,5° (A. 296, 245).  
 $C$  80,0 — H 5,4 — O 14,5 — M. G. 330.
  - 1)  **$\beta$ -Oxy- $\alpha\beta$ -Diketo- $\alpha\beta$ -Triphenylbutan.** Sm. 102° (B. 18, 187). — III, 307.
  - 2)  **$\alpha\alpha'$ -Diphenyl- $\beta$ -Benzoylpropionsäure.** Sm. 182—183°. Ag (Soc. 57, 680). — II, 1726.
  - 3) **Anhydrid(4-Oxy-1-Methylphenyl)-Phenylmethan-2-Carbonsäure (p-Kresolphatinsäureanhydrid).** Sm. 210° (A. 212, 342). — II, 1912.
  - 4) **Aethylester d. Hydrofluoransäure.** Sm. 99—101° (B. 28, 432). — II, 1911.
  - 5) **Acetat d.  $\alpha$ -Oxy- $\beta$ -Keto- $\alpha\alpha'\beta$ -Triphenyläthen.** Sm. 145—146° (Bl. [3] 13, 860). — III, 258.
  - 6) **Acetat d.  $\beta$ -Keto- $\alpha\beta$ -Diphenyl- $\alpha$ -[4-Oxyphenyl]äthan.** Sm. 106—107°; Sd. 325—330° (Soc. 57, 965). — III, 258.

$C_{22}H_{18}O_4$

    - 1) **Dimethyläther d. Phenolphthalein.** Sm. 97—99° (101—102°) (M. 17, 430; G. 26 [1] 223).
    - 2) **Benzol-1,2-[ $\beta$ ]-Di[Phenylmethylcarbonsäure].** Sm. 110° (A. 171, 124). — II, 1913.
    - 3)  **$\alpha$ ,2-Lakton d.  $\alpha$ -Oxy- $\alpha'$ -Phenyl- $\alpha^2\alpha^2$ -Di[ $\beta$ -Oxy-4-Methylphenyl]methan- $\alpha'$ -2-Carbonsäure (A. 299, 294).**
    - 4)  **$\alpha$ ,2'-Lakton d.  $\alpha\alpha'$ -Di[ $\beta$ -Oxy-2-Methylphenyl]- $\alpha$ -Phenylmethan-2'-Carbonsäure (o-Kresolphalein).** Sm. 213—214° (A. 202, 153). — II, 1987.
    - 5) **Dibenzylester d. Benzol-1,2-Dicarbonsäure.** Sm. 42—44° (B. 28, 1577; 30, 780). — II, 1794.
    - 6) **Di[4-Methylphenylester] d. Benzol-1,2-Dicarbonsäure.** Sm. 83—84° (B. 26, 209). — II, 1794.
    - 7) **4-Benzozat d. 3,4-Dioxy- $\beta$ -Benzoyl-1-Methylbenzol-3-Methyläther.** Sm. 95—96° (G. 28 [2] 284).
    - 8) **Dibenzoat d.  $\alpha\beta$ -Dioxy- $\alpha$ -Phenyläthan.** Sm. 96—97° (A. 216, 295; B. 10, 1006). — II, 1144.
    - 9) **Dibenzoat d. 2,5-Dioxy-1,4-Dimethylbenzol.** Sm. 160° (B. 18, 2923). — II, 1150.
    - 10) **Verbindung (aus Corallin) +  $H_2O$  (M. 16, 391).**  
 $C$  72,9 — H 5,0 — O 22,1 — M. G. 362.

$C_{22}H_{18}O_5$

    - 1) **Orcinaurin.** Na + Na<sub>2</sub> + 6H<sub>2</sub>O, Ba + 3H<sub>2</sub>O, Ag<sub>2</sub> (J. pr. [2] 25, 277; Bl. [3] 5, 465; B. 13, 546). — II, 1124.
    - 2)  **$\alpha$ -Orcinphthalin.** Sm. 256° (A. 183, 72; B. 29, 2633). — II, 1913.

- C<sub>29</sub>H<sub>16</sub>O<sub>5</sub>**
- 3) **Aethylester d. Acetylisonaphthalenacetessigsäure.** Sm. 165 bis 170° (Soc. 59, 7). — II, 1909.
  - 4) **Aethylester d. Fluorescins.** Sm. 195—196° (M. 13, 425; B. 28, 45). — II, 2037.
  - 5) **Benzozat d. 2,3,4 [oder 3,4,5]-Trioxydiphenylketondimethyläther.** Sm. 111° (G. 27 [2] 21).
  - 6) **6-Benzozat d. Hydrocotoxin** (6-B. d. 2,4,6-Trioxydiphenylketondimethyläther). Sm. 113° (117—118°) (A. 282, 195; M. 18, 740). — III, 203.
  - 7) **Dibenzoat d. 1,3,5-Trioxybenzolmonoäthyläther.** Sm. 75—77° (M. 18, 748).
  - 8) **Leukoverbindung d. Farbstoffs C<sub>29</sub>H<sub>16</sub>O<sub>5</sub>** (aus Corallin) (M. 18, 381). C 69,8 — H 4,8 — O 25,4 — M. G. 378.
- C<sub>22</sub>H<sub>18</sub>O<sub>6</sub>**
- 1) **Dimethyläther d. Brenzocatechinphtalein** (B. 22, 2199). — II, 2065.
  - 2)  $\alpha\beta$ -Di[1-Naphthyäther] d. Hexaoxyäthan. Sm. 163° u. Zers. (B. 17, 1742). — II, 858.
  - 3)  $\alpha\beta$ -Di[2-Naphthyäther] d. Hexaoxyäthan. Sm. 167° u. Zers. (B. 17, 1742). — II, 878.
  - 4) **Diacetat d. Triresorcin.** Sm. 260—270° u. Zers. (A. 280, 65).
  - 5) **2,5-Dibenzozat d. 1,2,3,5-Tetraoxybenzol-1,3-Dimethyläther.** Sm. 245° (B. 11, 333). — II, 1031.
  - 6) **Diacytlypolyporsäure.** Sm. 205° (A. 187, 194). — II, 1907.
  - 7) **Monathyester d. Acetylulvinsäure.** Sm. 143—144° (A. 284, 116, 124).
  - 8) **Aethylester** (aus d. Hydrochinonphthalein). Zers. bei 110° (B. 8, 507). — II, 2066.
- C<sub>22</sub>H<sub>16</sub>O<sub>7</sub>**
- C 67,0 — H 4,5 — O 28,4 — M. G. 394.
  - 1) **Tetramethyläther d. Anhydribis-4,5-Dioxydiketodihydroinden.** Sm. 205° u. Zers. (B. 31, 2093).
  - 2) **4-[3-Acetoxylphenyl]äther d. 4-Oxy-1,2-Diacetoxylnaphthalin.** Sm. 169—170° (B. 30, 2568).
  - 3) **Triacetat d. Resacetin.** Sm. 229° (J. pr. [2] 26, 59). — III, 137.
- C<sub>22</sub>H<sub>16</sub>O<sub>8</sub>**
- C 64,4 — H 4,4 — O 31,2 — M. G. 410.
  - 1) **Alonigrin (C. 1898** [2] 118).
  - 2) **Triacetat d. Brasilein.** Sm. 203—207°. + 2C<sub>2</sub>H<sub>4</sub>O<sub>2</sub> (B. 23, 1434; M. 19, 742). — III, 654.
  - 3) **Tetracyetyltriptyxanthrol** (aus Anthraflavinsäure). Sm. 274° (B. 21, 1173). — III, 244.
  - 4) **Tetracyetyltriptyxanthrol** (aus Isoanthraflavinsäure). Sm. 235—240° (B. 21, 1173). — III, 244.
  - 5) **Tetracyetyltriptyxanthrol** (aus Flavopurpurin). Sm. 250—260° (B. 21, 1174). — III, 244.
  - 6) **Tetracetat d. Anthragalolhydranthron.** Sm. 203—205° (B. 21, 444). — III, 433.
  - 7) **Tetracetat d. 2,3,9,10-Tetraoxyanthracen.** Sm. 217—219° (B. 22, 684). — II, 1119.
- C<sub>22</sub>H<sub>16</sub>N<sub>2</sub>**
- C 85,2 — H 5,8 — N 9,0 — M. G. 310.
  - 1) **1,4-Di[Phenylamido]naphthalin.** Sm. 144° (A. 256, 255). — IV, 922.
  - 2) **2,7-Di[Phenylamido]naphthalin.** Sm. 168° (163—164°) (B. 20, 1372; 23, 538). — IV, 925.
  - 3) **1,1-Dinaphthyäthanamidin** (J. 1865, 415). — II, 604.
  - 4) **2,2-Dinaphthyäthanamidin.** Sm. 168° (J. 1866, 568). — II, 604.
  - 5)  **$\gamma$ -Diphenylmethylenhydrazido- $\alpha$ -Phenylpropen** (Diphenylmethylen-cinnamalazin). Sm. 98° (J. pr. [2] 44, 204). — III, 187.
  - 6) **3,4,6-Triphenyl-1,2-Dihydro-1,2-Diazin.** Sm. 178—186° (186—188°) (A. 289, 316). — IV, 1082.
  - 7) **2,5,6-Triphenyl-2,3-Dihydro-1,4-Diazin.** Sm. 149° (B. 28, 3173). — IV, 641.
- C<sub>22</sub>H<sub>16</sub>N<sub>4</sub>**
- C 78,1 — H 5,3 — N 16,6 — M. G. 338.
  - 1) **1-Cyannaphthalin?** Sm. 198° u. Zers. 2HCl. — II, 624.
  - 2) **2-Cyannaphthalin?** Sm. 222° u. Zers. 2HCl, H<sub>2</sub>SO<sub>4</sub>, Dioxalat. — II, 624.
  - 3) **2,2-Dinaphthyhydrazidin.** Sm. 246° u. Zers. 2HCl, 2HNO<sub>3</sub> (B. 30, 1882; A. 298, 40). — IV, 1304.
  - 4) **1-Phenyl-4-[ $\alpha$ -Phenylhydrazonbenzyl]pyrazol.** Sm. 138—140° u. Zers. (G. 19, 140). — IV, 550.

$C_{11}H_{19}N$ 

C 88,9 — H 6,4 — N 4,7 — M. G. 297.

- 1)  $\gamma$ -Diphenylmethyliodo- $\alpha$ -Phenylpropen. Sm. 128° (B. 26, 2170). — III, 61.
- 2) Aethyl-2,2-Dinaphthylamin. Sm. 231° (B. 20, 2619). — II, 604.
- 3) 3-4-Isopropylphenyl- $\beta$ -Naphtochinolin. Sm. 150°. (2HCl, PtCl<sub>4</sub>) (B. 27, 2030). — IV, 470.
- 4) Nitril d.  $\alpha\beta$ -Diphenyl- $\alpha$ -[4-Methylphenyl]propionsäure. Sm. 121° (A. 250, 150). — II, 1483.

 $C_{11}H_{19}N_3$ 

- 1) 1-Phenyl-3,5-Di[2-Methylphenyl]-1,2,4-Triazol. Sm. 86° (J. pr. [2] 54, 159). — IV, 1188.
- 2) 1-Phenyl-3,5-Di[4-Methylphenyl]-1,2,4-Triazol. Sm. 115°. HCl (J. pr. [2] 54, 160). — IV, 1188.
- 3) Nitril d.  $\beta$ -Phenylhydrazon- $\alpha\gamma$ -Diphenylpropan- $\alpha$ -Carbonsäure. Sm. 119—120° (J. pr. [2] 55, 352). — IV, 698.

 $C_{11}H_{20}O_2$ 

- 1) Methyläther d.  $\alpha$ -Keto- $\beta$ -[4-Oxyphenyl]- $\alpha\gamma$ -Diphenylpropan. Sm. 99 bis 100° (B. 21, 2451). — III, 260.
- 2) Aethyläther d.  $\alpha$ -Oxy- $\beta$ -Ketotriphenyläthan (B. 29, 2080; A. 296, 249).
- 3)  $\alpha'$ -Phenyl- $\alpha^2$ -Di[4-Methylphenyl]methan- $\alpha'$ 2-Carbonsäure (Phenyl-ditolylmethancarbonsäure). Sm. 168° (A. 299, 289).
- 4) Phenylidi[ $\beta$ -Methylphenyl]methan- $\alpha$ -Carbonsäure. Sm. 78—83° (A. 189, 124). — II, 1483.
- 5) Benzoat d.  $\beta$ -Oxy- $\alpha\gamma$ -Diphenylpropan. Sm. 50—51° (B. 25, 1273). — II, 1144.
- 6) Verbindung (aus Phenylessigsäurepropylester). Sd. 335°<sub>50</sub> (Soc. 37, 483). — II, 1310.
- 7) Verbindung (aus Phenylessigsäurebenzylester). Sd. 230°<sub>60</sub> (Soc. 37, 483). — II, 1310.
- 8) Verbindung (aus d. Benzylester d. 1-Methylbenzol-2-Carbonsäure). Sd. 350° (B. 25 [2] 745). — II, 1329.

 $C_{11}H_{20}O_3$ 

- 1) Kresolaurin (J. pr. [2] 25, 275). — II, 1122.
- 2)  $\alpha$ -Oxy- $\alpha'$ -Phenyl- $\alpha^2$ -Di[4-Methylphenyl]methan- $\alpha'$ 2-Carbonsäure (B. [3] 17, 970).
- 3) Monacetat d.  $\beta$ -Di[ $\alpha$ -Oxybenzyl]benzol. Sm. 94—97° (B. 9, 311). — II, 1103.

 $C_{11}H_{20}O_4$ 

- 1)  $\beta$ -Benzoat d.  $\alpha\beta\gamma$ -Trioxypipran- $\alpha\gamma$ -Diphenyläther. Sm. 66—67° (B. 19, 66). — II, 1146.
- 2) Di[2-Oxy-1-Methylphenyl]-Phenylmethan-2-Carbonsäure (o-Kresolphthalinsäure). Sm. 217—218° (A. 202, 168). — II, 1911.
- 3) 4',4"-Dioxytriphenylmethandimethyläther-2'-Carbonsäure. Sm. 144 bis 146° (149—150%). Ba + 3H<sub>2</sub>O (M. 17, 431; G. 26 [1] 228).
- 4) Aesthelester d. 4',4"-Dioxytriphenylmethan-2'-Carbonsäure. Sm. 150—152° (156—158%) (M. 18, 424; B. 30, 175). — II, 1911.
- 5) Aesthelester d. 3,5-Diketo-4-Benzyliden-1-Phenylhexahydrobenzol-2-Carbonsäure. Sm. 98° (A. 294, 282).
- 6) Aethyliderivat d. Phenanthroxylenacetessigsäureäthylester. Sm. 143 bis 144° (Soc. 59, 18). — II, 1908.

 $C_{11}H_{20}O_5$ 

- 1)  $\alpha$ , $\alpha'$ ,4",4"-Dioxytriphenylmethan-2'-Carbonsäure. K (G. 26 [1] 227).
- 2) Methyl-norm. Propylester d. Pulvinsäure. Sm. 95—96° (A. 282, 42). — II, 2030.

- 3) isom. Methyl-norm. Propylester d. Pulvinsäure. Sm. 121—122° (A. 282, 42). — II, 2030.

 $C_{11}H_{20}O_6$ 

- 1) Danaidin (J. 1885, 1815). — III, 579.
- 2) 2,5-Diäthyläther-3,6-Diphenyläther d. 2,3,5,6-Tetraoxy-1,4-Benzo-chinon. Sm. 128° (Am. 17, 649). — III, 355.
- 3) Diacetat d. Nepodin. Sm. 198° u. Zers. (A. 291, 311). — III, 453.
- 4) Säure (aus  $\beta$ -Phenylpropan- $\alpha\gamma$ -Dicarbonsäureanhydrid). Sm. 153°. Ag<sub>2</sub> (Am. 20, 515).

- C<sub>12</sub>H<sub>20</sub>O<sub>6</sub>**
- 5) Diäthylester d.  $\alpha\delta$ -Diketo- $\alpha\delta$ -Diphenyl- $\beta\gamma$ -Buten- $\beta\gamma$ -Dicarbonsäure (D. d. Dibenzoylfumarsäure). Sm. 75° (B. 30, 1997).
  - 6) Diäthylester d. Oxypulvinsäure. Sm. 100° (J. pr. [2] 57, 315).
  - 7) Verbindung (aus Methylaurin) (A. 202, 211). — II, 1121.
- C<sub>22</sub>H<sub>20</sub>O<sub>7</sub>**
- 1) Anhydrobenzoylpikrotin. Sm. 245° (A. 222, 349; B. 31, 2972). — III, 644.
  - 2) Monacetat d.  $\alpha\beta\beta$ -Tri[1,3-Dioxyphenyl]äthan (A. 243, 176). — II, 1045.
  - 3) Acetat d. Dehydrohämatoxyltetramethyläther. Sm. 190–192° (M. 16, 912). — III, 665.
- C<sub>22</sub>H<sub>20</sub>O<sub>8</sub>**
- 1) Triacetat d. Brasilin. Sm. 105–106° (B. 18, 1139). — III, 653.
  - 2) Triacetat d. Di[4,6-Dioxy-2-Methylphenyl]essigsäurelakton. Sm. 189° (Soc. 73, 401; Am. 9, 135).
- C<sub>22</sub>H<sub>20</sub>O<sub>9</sub>**
- 1) Triacetat d. Hesperitin. Sm. 127–129° (Soc. 73, 1034).
- C<sub>22</sub>H<sub>20</sub>O<sub>10</sub>**
- 1) Diacetat d. Irigenin. Sm. 122° (B. 26, 2013). — III, 596.
  - 2) Triacetat d. Verb. C<sub>18</sub>H<sub>14</sub>O<sub>6</sub>.  $\alpha$ -Derivat Zers. bei 200–210°;  $\beta$ -Derivat Sm. 227–229° (Soc. 65, 936, 937). — III, 454.
  - 3) Pentaacetat d. Phloroglucid. Sm. 105–107° (M. 19, 380).
- C<sub>22</sub>H<sub>20</sub>N<sub>2</sub>**
- 1) Methylamarin. Sm. 184°. Ag, HJ (B. 13, 1418; 18, 3077). — III, 23.
  - 2)  $\alpha\beta$ -Di[1-Naphtylamido]äthan. Sm. 127°. HBr, 2HBr, H<sub>2</sub>SO<sub>4</sub> (B. 8, 23; 25, 2039; 25, 3265). — II, 601.
  - 3)  $\alpha\beta$ -Di[2-Naphtylamido]äthan. Sm. 149–150° (B. 23, 1985). — II, 604.
  - 4) Dypnonephenylhydrazon. Sm. 176°. — IV, 778.
  - 5) 1,4,5-Triphenyl-1,2,3,4-Tetrahydro-1,4-Diazin. Sm. 130–131° (G. 21 [2] 500; 23 [1] 12). — IV, 887.
  - 6) 1,5,6-Triphenyl-1,2,3,6-Tetrahydro-1,4-Diazin. Sm. bei 150°. 2HCl + H<sub>2</sub>O (B. 31, 1581). — IV, 994.
  - 7) 1,6-Dimethyl-2,3-Diphenyl-1,2-Dihydro-1,4-Benzodiazin. Sm. 135° (B. 26, 198). — IV, 1076.
  - 8) 2,4,2',4'-Tetramethyl-6,8'-Bichinolyl. Sm. 232°. 2HCl, (2HCl, PtCl<sub>4</sub>), (2HCl, ClJ), H<sub>2</sub>SO<sub>4</sub>, H<sub>2</sub>CrO<sub>7</sub> (B. 20, 2506). — IV, 1076.
  - 9) Verbindung (aus Brommethylphenylketon) (G. 21 [2] 500). — III, 126.
- C<sub>22</sub>H<sub>20</sub>N<sub>8</sub>**
- 1)  $\alpha$ -Benzylidendibenzyltetraazylhydrazin. Sm. 98° (A. 287, 260). — IV, 1928.
  - 2)  $\beta$ -Benzylidendibenzyltetraazylhydrazin. Sm. 132–133° (A. 287, 261). IV, 1328.
- C<sub>22</sub>H<sub>21</sub>N<sub>3</sub>**
- 1) 5-[4-Methylphenyl]amido-6-Methyl-1-[4-Methylphenyl]benzimidazol. Sm. 119–120°. (2HCl, PtCl<sub>4</sub>) (B. 26, 2778). — IV, 1150.
- C<sub>22</sub>H<sub>21</sub>O**
- 2) Trimethylchrysanlin. (2HCl, PtCl<sub>4</sub>), HJ, 2HJ (B. 2, 379). — IV, 1211.
- C<sub>22</sub>H<sub>21</sub>N<sub>4</sub>**
- 1)  $\beta$ -Oxy- $\alpha\alpha\alpha$ -Triphenyl- $\beta$ -Methylpropan. Sd. bei 260° (J. pr. [2] 37, 368). — II, 1094.
  - 2) Propyläther d.  $\alpha$ -Oxytriphenylmethan. Sm. 50° (56%) (C. 1896 [1] 416; 1897 [2] 408).
- C<sub>22</sub>H<sub>21</sub>O<sub>4</sub>**
- 1) Diäthylester d. Polyporsäure. Sm. 134° (A. 187, 193). — II, 1907.
- C<sub>22</sub>H<sub>21</sub>O<sub>5</sub>**
- 1) Campherfluorescein (Soc. 63, 963). — II, 2055.
  - 2) Anhydrid d.  $\beta$ -Benzoylisobuttersäure. Fl. (Bl. [3] 19, 395).
  - 3) Dimethylester d. Säure C<sub>20</sub>H<sub>18</sub>O<sub>5</sub>. Sm. 125° (Soc. 59, 20). — II, 1981.
  - 4) Aethylester d.  $\gamma$ -Acetyl- $\alpha\epsilon$ -Diketo- $\alpha\epsilon$ -Diphenylpentan- $\gamma$ -Carbonsäure (Ae. d. Diphenacylacetessigsäure). Sm. 82–83° (B. 22, 3225). — II, 1981.
- C<sub>22</sub>H<sub>21</sub>O<sub>6</sub>**
- 1) Dimethyläther d. Hydromethylumbelliferon. Sm. 243–244° (B. 17, 2135). — II, 1780.

- C<sub>22</sub>H<sub>22</sub>O<sub>6</sub>**
- 2) Diäthylester d.  $\alpha\beta$ -Dioxy- $\alpha\delta$ -Diphenylbutan- $\beta\gamma$ -Dicarbonsäure ( $\alpha$ -D. d. Dibenzoylbersteinsäure). Fl. Na<sub>2</sub> + 2C<sub>6</sub>H<sub>6</sub>O (Soc. 47, 265; A. 293, 79).
  - 3) Diäthylester d.  $\alpha\beta$ -Diketo- $\alpha\delta$ -Diphenylbutan- $\beta\gamma$ -Dicarbonsäure ( $\beta$ -D. d. Dibenzoylbersteinsäure). Sm. 128–130°. N<sub>2</sub> (Soc. 47, 264; B. 27, 1167; A. 282, 167; 293, 74, 107). — II, 2032.
  - 4) Diäthylester d. isom.  $\alpha\beta$ -Diketo- $\alpha\delta$ -Diphenylbutan- $\beta\gamma$ -Dicarbonsäure ( $\gamma$ -D. d. Dibenzoylbersteinsäure). Sm. 73° (A. 293, 77, 107).
- C<sub>22</sub>H<sub>22</sub>O<sub>7</sub>**
- 1) Diacetat d. Brasiliindimethyäther. Sm. 90–91° (B. 27, 526). — III, 653.
  - C 63,8 — H 5,3 — O 30,9 — M. G. 414.
  - 1)  $\alpha\beta$ -Diphenylhexan- $\beta\beta\epsilon$ -Tetracarbonsäure. Sm. 166–167°. Ca + 2H<sub>2</sub>O, Ag<sub>2</sub> (Soc. 65, 1019). — II, 2085.
  - 2) Dimethylester d. Diphenylessigweinsäure. Fl. (A. ch. [7] 3, 475). — II, 1310.
  - 3) Dimethylester d. Di[2-Methylbenzoyl]weinsäure. Sm. 56° (Soc. 69, 1312, 1589).
  - 4) Dimethylester d. Di[3-Methylbenzoyl]weinsäure. Sm. 83° (Soc. 69, 1318, 1590).
  - 5) Dimethylester d. Di[4-Methylbenzoyl]weinsäure. Sm. 86–87° (88,5°) (A. ch. [7] 3, 479; Soc. 69, 1315, 1590). — II, 1340.
  - 6) Diäthylester d. Dibenzoylweinsäure. Sm. 56–58° (62,5°) (B. 15, 2243; J. 1882, 857; Bl. [3] 13, 202; Soc. 69, 1585). — II, 1155.
  - 7) Tetracetat d.  $\alpha\beta$ -Di[2,4-Dioxophenyl]äthan. Sm. 105–112° (J. pr. [2] 54, 417).
  - 8) Tetracetat d. 1,3,1',3'-Tetraoxy- $\beta$ -Aethylbiphenyl. Sm. 135–138° (M. 11, 418). — II, 1038.
  - 9) Tetracetat d. s-Di[2,5-Dioxy-1-Methyl]- $\beta$ -Biphenyl. Sm. 135° (M. 10, 176). — II, 556.
  - 10) Monobenoat d. Pikrotin. Sm. 230° (236°) (B. 12, 685; 31, 2972). — III, 644.
  - 11) Benzooat d. Dulcitudimethyäther. Sm. 228–231° (A. 299, 319). C 61,4 — H 5,1 — O 33,5 — M. G. 430.
- C<sub>22</sub>H<sub>22</sub>O<sub>9</sub>**
- 1) Acetaldehydphloroglucid (C. 1896 [2] 486).
  - C 59,2 — H 4,9 — O 35,9 — M. G. 446.
- C<sub>22</sub>H<sub>22</sub>O<sub>10</sub>**
- 1) Triacetat d. Aloin +  $\frac{1}{2}$ H<sub>2</sub>O. Sm. 92° (B. 23 [2] 207). — III, 618.
  - C 84,1 — H 7,0 — O 8,9 — M. G. 314.
- C<sub>22</sub>H<sub>22</sub>N<sub>2</sub>**
- 1) 4-[4-Isopropylbenzyliden]amido-1-Phenylamidobenzol. Sm. 132° (A. 255, 191). — IV, 597.
  - 2)  $\alpha$ -Phenylimido- $\alpha$ -[Aethyl-4-Methylphenyl]amido- $\alpha$ -Phenylmethan. Sm. 102°. HJ (B. 28, 871). — IV, 844.
  - 3)  $\alpha$ -[4-Methylphenyl]imido- $\alpha$ -Aethylphenylamido- $\alpha$ -Phenylmethan. Sm. 117°. HJ (B. 28, 872). — IV, 844.
  - 4)  $\beta$ -Phenylhydrazon- $\alpha\gamma$ -Diphenylbutan (Phenylhydrazen d. Methyldi-  
benzylketon). Sm. 92–93° (A. 284, 268). — IV, 777.
  - 5)  $\alpha$ -Phenylhydrazen- $\beta$ -Phenyl- $\alpha$ -[2,5-Dimethylphenyl]methan. Sm. 96° (B. 24, 3542). — IV, 777.
  - 6) 1-Methyl-2,3,5-Triphenyltetrahydropyrazol. Sm. 109–110° (B. 21, 1207). — IV, 995.
  - 7) 1,2,4-Triphenylhexahydro-1,4-Diazin. Sm. 101–102°. (2HCl, PtCl<sub>4</sub>) (G. 23 [1] 17). — IV, 860.
  - 8) Verbindung (aus 4-Amido-1-Dimethylamidobenzol u. Desoxybenzoö). Sm. 138–139° (B. 25, 639). — IV, 593.
  - 9) Verbindung (aus Benzylcyanid u. Benzylchlorid). Sm. 182° (B. 21, 1310). — II, 1467.
- C<sub>22</sub>H<sub>22</sub>N<sub>4</sub>**
- C 77,2 — H 6,4 — N 16,4 — M. G. 342.
  - 1)  $\beta\gamma$ -Di[Phenylhydrazen]- $\alpha$ -Phenylbutan. Sm. 172–173° (B. 22, 2133). — IV, 783.
  - 2)  $\alpha\beta$ -Di[Methylphenylhydrazen]- $\alpha$ -Phenyläthan. Sm. 151° (B. 21, 2597). — IV, 761.
  - 3) III-4-Isopropylformazylbenzol. Sm. 173–174° (B. 31, 1756).
  - 4)  $\alpha$ -Diäthylphenosafranin. (2HCl, PtCl<sub>4</sub>) (B. 16, 470). — IV, 1283.
  - 5)  $\beta$ -Diäthylphenosafranin. (2HCl, PtCl<sub>4</sub>) (B. 16, 471). — IV, 1283.

- C<sub>22</sub>H<sub>22</sub>N<sub>4</sub>** 6) Tetramethylphenylensafranin. HCl, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> + H<sub>2</sub>O (B. 16, 867). — IV, 1299.  
C 71,3 — H 5,9 — N 22,7 — M. G. 370.
- C<sub>22</sub>H<sub>22</sub>N<sub>6</sub>** 1)  $\alpha$ -Tribenzyltetraarylhydrazin. Sm. 153° (A. 287, 264). — IV, 1328.  
2)  $\beta$ -Tribenzyltetraarylhydrazin. Sm. 121° (A. 287, 264). — IV, 1328.  
3)  $\alpha\gamma$ -Di[Phenylhydrazone]- $\beta$ -[Methylphenylhydrazone]propan. Sm. 192 bis 193° (B. 27, 221). — IV, 762.
- C<sub>22</sub>H<sub>22</sub>S<sub>3</sub>** 1) Tribenzyläther d. Trimerkaptomethan. Sm. 98°. + 3PtCl<sub>4</sub> (B. 11, 2265; 13, 238). — II, 1052.
- C<sub>22</sub>H<sub>22</sub>N<sub>5</sub>** C 80,2 — H 7,0 — N 12,8 — M. G. 329.
- C<sub>22</sub>H<sub>24</sub>O<sub>2</sub>** 1) Tri[2-Methylphenyl]guanidin. Sm. 130—131°. HCl, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> (B. 6, 445; 12, 1857; A. 286, 364). — II, 460.  
2) Tri[4-Methylphenyl]guanidin. Sm. 123°. HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub>, HNO<sub>3</sub> (Z. 1868, 610; B. 2, 459, 500; 10, 1768). — II, 459.  
C 82,5 — H 7,5 — O 10,0 — M. G. 320.
- C<sub>22</sub>H<sub>24</sub>O<sub>5</sub>** 1) 1-Oxy-3-Keto-2-Amyl-1,5-Diphenyl-2,3-Dihydro-R-Penten. Sm. 150,5° (Soc. 51, 433). — III, 253.  
2) Verbindung (aus Camphersäure u. Benzol) (B. 27 [2] 670).  
C 78,6 — H 7,1 — O 14,3 — M. G. 336.
- C<sub>22</sub>H<sub>24</sub>O<sub>9</sub>** 1) Benzyläther d. Desmotroposantoin. Sm. 182° (G. 25 [1] 475; 25 [2] 352). — II, 1790.  
2) Benzyläther d. Iso-Desmotroposantoin. Sm. 82° (G. 25 [1] 484; 25 [2] 354). — II, 1791.  
C 75,0 — H 6,8 — O 18,2 — M. G. 352.
- C<sub>22</sub>H<sub>24</sub>O<sub>4</sub>** 1) Phenothymochinon. Fl. (C. 1898 [1] 887).  
2) Thymophenochinon. Sm. bei 127° (C. 1898 [1] 887).  
3) Benzoylehydrosantonid. Sm. 156,5—157° (J. 1878, 827). — II, 1770.  
4) Aethylester d.  $\alpha\eta$ -Diketo- $\alpha\eta$ -Diphenylheptan- $\beta$ -Carbonsäure (Ac. d.  $\alpha\beta$ -Dibenzoylcapronsäure). Fl. (Soc. 55, 348). — II, 1904.  
5) Diäthylester d.  $\beta\delta$ -Diphenyl- $\alpha$ -Buten- $\alpha\gamma$ -Dicarbonsäure. Sd. 240 bis 241°, (Soc. 75, 250).  
6) Diäthylester d.  $\alpha$ -Isoatropsäure. Sm. 78—79° (B. 28, 139). — II, 1403.  
7) Diäthylester d.  $\beta$ -Isoatropsäure. Fl. (B. 28, 142). — II, 1404.  
8) Diäthylester d.  $\alpha$ -Truxillsäure. Sm. 146° (B. 21, 2347). — II, 1901.  
9) Diäthylester d.  $\beta$ -Truxillsäure. Sm. 47—48° (B. 25, 91; 26, 837). — II, 1902.  
10) Diäthylester d.  $\gamma$ -Truxillsäure. Sm. 98° (B. 22, 2260). — II, 1903.  
11) Verbindung (aus Orcin u. Benzaldehyd) (Am. 9, 133). — III, II.  
C 68,8 — H 6,2 — O 25,0 — M. G. 384.
- C<sub>22</sub>H<sub>24</sub>O<sub>6</sub>** 1) Sesamin. Sm. 123° (C. 1897 [2] 773).  
2) 1- $\beta$ -Methylbutylester d. d- $\alpha\beta$ -Dibenzoxylpropionsäure. Sd. 255 bis 270°, (Soc. 71, 262).  
3) 1- $\beta$ -Methylbutylester d. d- $\alpha\beta$ -Dibenzoxylpropionsäure. Fl. (Soc. 71, 266).  
4) 1- $\beta$ -Methylbutylester d. i- $\alpha\beta$ -Dibenzoxylpropionsäure. Sm. 36—36,5°; Sd. 262—268°, (Soc. 71, 258).  
C 66,0 — H 6,0 — O 28,0 — M. G. 400.
- C<sub>22</sub>H<sub>24</sub>O<sub>7</sub>** 1) Acetat d. Hämatoxylintetramethyläther. Sm. 178—180° (M. 15, 143; 16, 909). — III, 664.  
C 63,5 — H 5,8 — O 30,7 — M. G. 416.
- C<sub>22</sub>H<sub>24</sub>O<sub>8</sub>** 1) Tetraäthyläther d. 1,2,3,5,6,7-Hexaoxy-9,10-Anthrachinon. Sm. bei 180° (B. 10, 885). — III, 439.  
2) Barbatinsäure oder C<sub>14</sub>H<sub>16</sub>O<sub>7</sub>. Sm. 186°. K + 1½H<sub>2</sub>O, Ba + 3H<sub>2</sub>O, Cu (A. 203, 302; B. 30, 358; J. pr. [2] 57, 237). — II, 2054.  
C 61,6 — H 5,6 — O 33,3 — M. G. 432.
- C<sub>22</sub>H<sub>24</sub>O<sub>9</sub>** 1) Polystichumsäure (Polystichin). Sm. 123—123,2°. Anilinsalz (C. 1895 [1] 887; 1898 [2] 1103).  
2) Tetraäthylester d. Phtaloxydimalonsäure. Sm. 106° (A. 242, 61). — II, 2102.
- C<sub>22</sub>H<sub>24</sub>O<sub>10</sub>** C 58,9 — H 5,3 — O 35,7 — M. G. 448.
- C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>** 1) Aethyläther d. Scoparin. Sm. 272° u. Zera. (M. 14, 216; 15, 328). — III, 648.  
C 83,6 — H 7,6 — N 8,8 — M. G. 316.
- C<sub>22</sub>H<sub>24</sub>N<sub>4</sub>** 1) 1,2-Di[Methylphenylamidomethyl]benzol. Sm. 110° (B. 31, 429).

- $C_{21}H_{14}N_2$
- 2) 1,2-Di[2-Methylphenylamidomethyl]benzol. Sm. 148° (B. 31, 421).
  - 3) 1,3-Di[Methyl-4-Methylphenylamido]benzol. Sd. bei 400° (J. pr. [2] 33, 223). — IV, 579.
  - 4) 1,4-Di[Methyl-2-Methylphenylamido]benzol. Sd. 385—390°(i. H-Strom) (J. pr. [2] 34, 67). — IV, 586.
  - 5) 1,4-Di[Methyl-4-Methylphenylamido]benzol. Sm. 153° (J. pr. [2] 33, 235). — IV, 586.
  - 6) Leukobase (aus Malachitgrün). Sm. 155—156° (B. 28, 214). C 76,7 — H 7,0 — N 16,3 — M. G. 344.
- $C_{22}H_{14}N_4$
- 1) 2,2-Di[4-Methylphenylamido]-5-Methyl-2,3-Dihydrobenzimidazol (Carbotoluylendi-4-Tolyltetramin). Sm. 196°. 3 HCl (B. 19, 3059). — IV, 623.
- $C_{21}H_{14}N_6$
- 2) Base (aus Methylphenylpyridazon). Sm. 200° (A. 253, 49). — IV, 821. C 71,0 — H 6,4 — N 22,6 — M. G. 372.
  - 1) 5'-Dipropyl-1,1'-Diphenyl-3,3'-Bi-1,2,4-Triazol. Sm. 193—194°. — IV, 1331.
  - 2) 5,5'-Diisopropyl-1,1'-Diphenyl-3,3'-Bi-1,2,4-Triazol. Sm. 192—193,5°. — IV, 1331.
  - 3) 5,5'-Diethyl-1,1'-Di[4-Methylphenyl]-3,3'-Bi-1,2,4-Triazol. Sm. 202 bis 203° (B. 22, 3116). — IV, 1331.
- $C_{21}H_{25}N$
- C 87,1 — H 8,2 — N 4,6 — M. G. 303.
  - 1) 3-Citronellal- $\beta$ -Naphthochinolin. Sm. 53°. (2 HCl, PtCl<sub>4</sub>) (B. 27, 2025). — IV, 445.
- $C_{21}H_{25}N_3$
- C 79,7 — H 7,6 — N 12,7 — M. G. 331.
  - 1) 4',4'-Diamido-4'-Dimethylamido-2'-Methyltriphenylmethan (B. 24, 555). — IV, 1197.
  - 2) 4',5'-Diamido-4'-Dimethylamido-2'-Methyltriphenylmethan. Sm. 154° (B. 24, 3138). — IV, 1197.
  - 3) Tri[4-Amido-3-Methylphenyl]methan. Sm. 155—160° (B. 27, 1815).
  - 4) Tri[ $\alpha$ -Amido- $\beta$ -Methylphenyl]methan (A. ch. [5] 2, 352). — IV, 1198.
  - 5) 2-Heptyl-4,6-Diphenyl-1,3,5-Triazin. Sm. 28°; Sd. 274—275° (B. 23, 2384). — IV, 1199.
  - 6) 2-Methyl-4,6-Di[4-Isopropylphenyl]-1,3,5-Triazin. Sm. 68° (B. 30, 2009). — IV, 1199.
- $C_{22}H_{26}O_2$
- C 82,0 — H 8,1 — O 9,9 — M. G. 322.
  - 1)  $\alpha\beta$ -Dioxy- $\alpha\beta$ -Diphenyl- $\beta$ -Di-R-Tetramethylenyläthan. Sm. 153 bis 154° (Soc. 61, 66). — II, 1103.
  - 2)  $\alpha\alpha$ -Diketo- $\alpha\alpha$ -Diphenyldekan (Dibenzoyloktan). Sm. 88—89° (A. ch. [6] 22, 363). — III, 302.
  - 3)  $\alpha\delta$ -Diketo- $\alpha\delta$ -Di[2,4,5-Trimethylphenyl]butan. Sm. 120° (B. 20, 1378). — III, 302.
  - 4) Dithymoläthylenchinon. Sm. 215° (B. 7, 1199; Soc. 31, 263). — II, 999.
  - 5) Diisobutylcarbenzonsäure. Sm. 148° (A. 184, 169). — II, 1477. C 78,1 — H 7,7 — O 14,2 — M. G. 338.
- $C_{22}H_{26}O_3$
- 1) d-Benzyläthersantonige Säure. Fl. (G. 25 [2] 358).
  - 2) 1-Benzyläthersantonige Säure (G. 25 [2] 359).
  - 3) Benzylätherdesmotroposantonge Säure. Sm. 120—121° (121—123°) (G. 25 [1] 536; 25 [2] 356).
  - 4) Acetat d.  $\beta$ -Oxy- $\alpha$ -Keto- $\alpha\beta$ -Di[4-Isopropylphenyl]äthan. (A. d. Cuminoïn). Sm. 75° (B. 14, 610). — III, 239.
  - 5) Verbindung (aus 4-Oxy-1-tert. Butylbenzol-3-Carbonsäurealdehyd). Sm. 159° (Am. 18, 642). C 74,0 — H 7,3 — O 18,1 — M. G. 354.
- $C_{22}H_{26}O_4$
- 1) Eugenol-Aethylenäther (Di[3-Methoxy-1-Allylphenyl]äther d. Aethylen-glykol) (J. 1877, 581). — II, 974.
  - 2) Benzyldesmotroposantonsäure. K. (G. 25 [2] 354).
  - 3) Benzylisodesmotroposantonsäure. K. (G. 25 [2] 356).
  - 4) Diäthylester d. Hydropolyporsäure. Fl. (A. 195, 368). — II, 1907.
  - 5) Benzylester d. Santonsäure. Sm. 84,3° (B. 11, 2032). — II, 1789.
  - 6) Diäthylester d.  $\alpha\beta$ -Diphenylbutan- $\gamma\gamma$ -Dicarbonsäure (C. 1897 [2] 797).
  - 7) Isobutyrate d. Ostruthin. Sm. 81°. — III, 639. C 71,3 — H 7,0 — O 21,6 — M. G. 370.
- $C_{22}H_{26}O_5$
- 1) Acetat d. Bidurochinox. Sm. 133—134°. +  $C_7H_6O$  (Sm. 128—132°, +  $C_6H_6$  (Sm. 97—100°) (B. 29, 2183).

- C<sub>22</sub>H<sub>26</sub>O<sub>6</sub>** C 68,4 — H 6,7 — O 24,9 — M. G. 386.  
 1) **Aloresinotannol** (*C. 1898* [2] 118).  
**C<sub>22</sub>H<sub>26</sub>O<sub>7</sub>** C 65,7 — H 6,5 — O 27,8 — M. G. 402.  
 1) **Kosin** (siehe auch C<sub>21</sub>H<sub>26</sub>O<sub>10</sub>). Sm. 161° (*C. 1897* [2] 1076).  
 2) **Limonin**. Sm. 275° (*A. 40*, 317; *51*, 338; *B. 12*, 685). — **III**, 636.  
 3) **Divaricatsäure**. Sm. 129°. Ba + 2H<sub>2</sub>O (*B. 30*, 364; *A. 300*, 356; *J. pr.* [2] 57, 245).  
**C<sub>22</sub>H<sub>26</sub>O<sub>9</sub>** C 60,8 — H 6,0 — O 33,2 — M. G. 434.  
 1) **Dihydropolystycharinsäure** (Polystycharinsäure). Sm. 150—150,5°. Anilinsalz, Phenylhydrazinsalz (*C. 1895* [1] 887; *1898* [2] 1103).  
**C<sub>22</sub>H<sub>26</sub>O<sub>10</sub>** C 58,7 — H 5,8 — O 35,5 — M. G. 450.  
 1) **β-2-Lakton d. β-Oxy-β-Phenylpropan-α-γ-γ-Tetracarbonäure**. Tetraethyllester (Tetraethylester d. Phthalidimalonäure). Sm. 48,5°. Na<sub>2</sub> + 2H<sub>2</sub>O, K, K<sub>2</sub> + 2H<sub>2</sub>O (*A. 242*, 80). — **II**, 2101.  
 2) **Tetraäthylester d. 1,4-Phtalidi[methandicarbonsäure]**. Sm. 110° (*B. 27*, 2526). — **II**, 2099.  
**C<sub>22</sub>H<sub>26</sub>O<sub>11</sub>** C 56,6 — H 5,6 — O 37,8 — M. G. 466.  
**C<sub>22</sub>H<sub>26</sub>O<sub>12</sub>** 1) **Tetracytlypicine**. Sm. 170° (*Bl. [3] 11*, 947). — **III**, 601.  
 C 54,8 — H 5,4 — O 39,8 — M. G. 482.  
 1) **Hesperidin**. Sm. 251° u. Zera. (*B. 9*, 26, 250, 690; *14*, 946; *Bl. 46*, 502; *49*, 23). — **III**, 593.  
 2) **Isohesperidin** + 2H<sub>2</sub>O (*Bl. 46*, 501; *49*, 21). — **III**, 594.  
 3) **Pentacetylbarbiturin** (*A. 164*, 240). — **III**, 571.  
 4) **Tetraäthylester d. 3,6-Diacetoxylbenzol-1,2,4,5-Tetracarbonäure**. Sm. 120° (*Am. 11*, 13). — **II**, 2095.  
**C<sub>22</sub>H<sub>26</sub>O<sub>13</sub>** C 53,0 — H 5,2 — O 41,8 — M. G. 498.  
 1) **Tetraacetylglykovarininsäure**. Sm. 181—182° (*B. 8*, 1141). — **III**, 578.  
**C<sub>22</sub>H<sub>26</sub>O<sub>25</sub>** C 38,3 — H 3,7 — O 58,0 — M. G. 690.  
 1) **Glykosetetraweinsäure**. Ca<sub>2</sub> + 2H<sub>2</sub>O, (Mg<sub>2</sub> + 5H<sub>2</sub>O), Pb<sub>2</sub> (*A. ch.* [3] 54, 78). — **I**, 1049.  
**C<sub>22</sub>H<sub>26</sub>N<sub>4</sub>** C 76,3 — H 7,5 — N 16,2 — M. G. 346.  
 1) **Verbindung aus β-Dibromcampher u. Phenylhydrazin**. Sm. 68,5° (*G. 23* [1] 333). — **IV**, 796.  
**C<sub>22</sub>H<sub>26</sub>N<sub>6</sub>** C 70,6 — H 6,9 — N 22,5 — M. G. 374.  
 1) **5-Phenylazo-4,4'-Diamido-2,2'-Di[Dimethylamido]biphenyl**. Sm. 220—221° (*B. 30*, 2944). — **IV**, 1403.  
**C<sub>22</sub>H<sub>26</sub>O** C 85,7 — H 9,1 — O 5,2 — M. G. 308.  
 1) **α-Keto-α-Diphenyldekan**. Sm. 61°; Sd. 350—355° (*B. 22*, 348). — **III**, 239.  
**C<sub>22</sub>H<sub>26</sub>O<sub>2</sub>** C 81,0 — H 8,6 — O 9,9 — M. G. 324.  
 1) **Dithymoläthylen**. Sm. 170—171° (*B. 7*, 1198; *Soc. 31*, 263). — **II**, 999.  
 2) **Verbindung aus R-Tetramethylenphenylketon**. Sd. 320°<sub>50</sub> (*Soc. 61*, 64). — **II**, 1071.  
**C<sub>22</sub>H<sub>26</sub>O<sub>3</sub>** C 77,6 — H 8,2 — O 14,1 — M. G. 340.  
 1) **Phenolhemicampher**. Fl. (*Bl. [3] 4*, 726). — **III**, 487.  
**C<sub>22</sub>H<sub>26</sub>O<sub>4</sub>** C 74,2 — H 7,8 — O 18,0 — M. G. 356.  
 1) **Aethyläther d. Bidurochinson**. Sm. 128—130° (*B. 29*, 2182).  
 2) **Anhydrid d. Camphocarbonsäure**. Sm. 195—196° (*M. 2*, 242; *A. 281*, 392). — **I**, 628.  
 3) **polym. Aldehyd d. 4-Oxy-1-tert. Butylbenzol-3-Carbonsäure**. Sm. 158° (*Am. 16*, 642). — **III**, 91.  
**C<sub>22</sub>H<sub>26</sub>O<sub>5</sub>** C 71,0 — H 7,5 — O 21,5 — M. G. 372.  
 1) **Monacetat d. Dihydrobidurochinson**. Sm. 153° (*B. 29*, 2184).  
 2) **Diäthylester d. 1-Keto-5-Methyl-3-[4-Isopropylphenyl]-1,2,3,4-Tetrahydrobenzol-2,4-Dicarbonsäure**. Sm. 112° (*A. 303*, 242).  
**C<sub>22</sub>H<sub>26</sub>O<sub>7</sub>** C 65,3 — H 6,9 — O 27,7 — M. G. 404.  
 1) **Albaspidin**. Sm. 148—149° (*C. 1898* [2] 1037).  
 2) **Hesperinaäure**. Ca (*Bl. 46*, 500). — **II**, 2049.  
**C<sub>22</sub>H<sub>26</sub>O<sub>8</sub>** C 62,8 — H 6,7 — O 30,5 — M. G. 420.  
 1) **Dibenzylidenverbindung d. Oktit C<sub>8</sub>H<sub>16</sub>O<sub>8</sub> (aus Rosaceen)**. Sm. 230° (*Bl. [3] 21*, 89).  
 2) **Tetraäthylester d. β-Phenyl-α-Buten-α-γ-γ-Tetracarbonäure** (T. d. Benzylidicarboxylglutakonsäure). Sm. 78°; Sd. 240°<sub>11—12</sub> (*A. 222*, 260; *B. 23*, 3183; *Soc. 59*, 745; *J. pr.* [2] 54, 368). — **II**, 2077.

- C<sub>22</sub>H<sub>28</sub>O<sub>12</sub>** C 54,5 — H 5,8 — O 69,7 — M. G. 484.  
 1) Tetraäthylester d. 2,5-Diacetoxyl- $\beta$ -Dihydrobenzol-1,3,4,6-Tetracarbonsäure. Sm. 142° (Am. 11, 14). — II, 2094.
- C<sub>22</sub>H<sub>28</sub>O<sub>15</sub>** C 49,6 — H 5,3 — O 45,1 — M. G. 532.
- C<sub>22</sub>H<sub>28</sub>N<sub>2</sub>** 1) Verbindung (aus d. Roskastanic) (J. 1863, 591). — III, 583.  
 C 82,5 — H 8,7 — N 8,7 — M. G. 320.  
 1)  $\alpha\beta$ -Di[4-Isopropylbenzylidenamido]äthan. Sm. 63—64° (B. 20, 270). — III, 56.
- C<sub>22</sub>H<sub>28</sub>N<sub>4</sub>** 2) Base (aus 1-Oxy-1,3,3-Trimethyl-1,1-Dihydropseudoindol). Sm. 129° (M. 17, 269). — IV, 225.  
 C 75,8 — H 8,0 — N 16,1 — M. G. 348.
- C<sub>22</sub>H<sub>28</sub>N<sub>6</sub>** 1) Campherosazon. Sm. 55° (G. 16, 137; 17, 97). — IV, 796.  
 C 70,2 — H 7,4 — N 22,3 — M. G. 376.  
 1)  $\alpha$ -Diäthylentriphenylhydrazin (B. 26, 1865). — IV, 660.  
 2)  $\beta$ -Diäthylentriphenylhydrazin. Sm. 167—168° (B. 26, 1866). — IV, 660.  
 3) 4,4'-Di[1-Piperidylazo]biphenyl. Sm. 177° (A. 235, 271). — IV, 1581.
- C<sub>22</sub>H<sub>28</sub>Cl<sub>8</sub>** 1) Chlorid d. Camphocarbonäsure. Sm. 45—45,5° (M. 2, 249). — I, 628.  
 C 81,0 — H 9,2 — O 9,8 — M. G. 326.
- C<sub>22</sub>H<sub>30</sub>O<sub>2</sub>** 1) Dihydroläthan. Sm. 185° (B. 7, 1197; 11, 287). — II, 997.  
 2) Di[3-Methyl- $\beta$ -Isopropylphenyläther] d.  $\alpha\beta$ -Dioxyäthan. Sm. 99° (Bl. 25, 32). — II, 770.  
 3) Benzot d. Isoeodrol. Sd. 221—223° (Bl. [3] 17, 487).  
 C 77,2 — H 8,8 — O 14,0 — M. G. 342.  
 1) Anhydrodigitoxigenin. Sm. 215—220° (B. 31, 245S).  
 2) Digitalogenin, oder C<sub>22</sub>H<sub>30</sub>O<sub>5</sub>. Sm. 210—212° (B. 25 [2] 680; 31, 2460).  
 3) Lorbeercampher (Laurin) (Ber. J. 5, 263; A. 41, 329; 88, 354). — III, 636.  
 4) Anhydrid d. Oxymethylencampher. Sm. 188—189° (A. 281, 364). — III, 116.  
 C 73,7 — H 8,4 — O 17,9 — M. G. 358.
- C<sub>22</sub>H<sub>30</sub>O<sub>4</sub>** 1) Tetraäthyläther d. 1,3,1',3'-Tetraoxy- $\beta$ -Aethylbiphenyl. Sm. 90 bis 92° (M. 11, 417). — II, 1038.  
 2) Verbindung (aus Campheroxalsäure). Sm. 190—191° (Am. 20, 324, 328; 21, 252).
- C<sub>22</sub>H<sub>30</sub>O<sub>5</sub>** C 70,6 — H 8,0 — O 21,4 — M. G. 374.  
 1) Anhydrid d. Camphocarbonäsure. Sm. 265° u. Zers. (M. 2, 245). — I, 628.
- C<sub>22</sub>H<sub>30</sub>O<sub>6</sub>** C 67,7 — H 7,7 — O 24,6 — M. G. 390.  
 1) Diäthylester d.  $\beta\gamma$ -Diketo- $\delta$ -[4-Isopropylphenyl]heptan- $\gamma\delta$ -Dicarbonsäure (D. d. Cuminyldienacetessigsäure). Sm. 137° (B. 31, 2774; A. 303, 240).  
 C 65,7 — H 7,4 — O 27,6 — M. G. 406.
- C<sub>22</sub>H<sub>30</sub>O<sub>7</sub>** 1) Triäthylester d. Aethylmalonsäurebenzylidenacetessigsäure. Sm. 154° (B. 27, 2342). — II, 2049.
- C<sub>22</sub>H<sub>30</sub>O<sub>8</sub>** C 62,6 — H 7,1 — O 30,3 — M. G. 422.  
 1) 1,1'-Dimethyläther d. 2,4,6,2',4',6'-Hexaketo-1,1'-Dioxy-3,3,5,5,3',3',5',5'-Oktomethyl-Dodekahydrobiphenyl. Sm. 133° (B. 26, 2034). — II, 1031.  
 2) Tetraäthylester d. Benzoldi-1,2-[Aethyl- $\beta\beta$ -Dicarbonsäure] (T. d. o-Xylylendimalonsäure). Fl. Na<sub>2</sub> (B. 17, 452; Soc. 53, 16). — II, 2075.  
 3) Tetraäthylester d. Benzoldi-1,3-[Aethyl- $\beta\beta$ -Dicarbonsäure]. Fl. Na<sub>2</sub> (B. 21, 31). — II, 2075.  
 4) Tetraäthylester d. Benzoldi-1,4-[Aethyl- $\beta\beta$ -Dicarbonsäure]. Sm. 51°. Na<sub>2</sub> (B. 21, 34). — II, 2076.  
 C 49,4 — H 5,6 — O 44,9 — M. G. 534.
- C<sub>22</sub>H<sub>30</sub>O<sub>15</sub>** 1) Inulinpentacetat (A. 160, 84). — I, 1096.
- C<sub>22</sub>H<sub>30</sub>N<sub>2</sub>** C 82,0 — H 9,3 — N 8,7 — M. G. 322.  
 1) polym. Isoamylidenphenylamin. Sm. 97° u. Zers.; Sd. 227°. 2HCl, (2HCl, PtCl<sub>4</sub>) (B. 12, 74; 25, 2041). — II, 444.
- C<sub>22</sub>H<sub>30</sub>N<sub>4</sub>** 2) Diisoamylidenphenyldiamin (A. 350; B. 12, 298). — II, 444.  
 C 75,4 — H 8,6 — N 10,0 — M. G. 350.  
 1)  $\delta\epsilon$ -Di[Phenylhydrazon]- $\beta\gamma$ -Dimethyloktan. Sm. 163° (B. 31, 1222).  
 1) Quecksilberdi pentamethylphenyl. Sm. 266° (B. 22, 1220). — IV, 1712.

- C<sub>21</sub>H<sub>21</sub>N** C 85,4 — H 10,0 — N 4,5 — M. G. 309.  
1) Di[<sup>2</sup>-Isoamylphenyl]amin. Sd. 319—321°. (2HCl, PtCl<sub>4</sub>) (B. 20, 1258). — II, 563.
- C<sub>22</sub>H<sub>22</sub>O<sub>2</sub>** C 80,4 — H 9,8 — O 9,8 — M. G. 328.  
1) Verbindung (aus d. Aethylester d. Säure C<sub>20</sub>H<sub>30</sub>O<sub>3</sub> aus Colophonium). Fl. (J. r. 20, 477). — II, 1674.
- C<sub>22</sub>H<sub>22</sub>O<sub>3</sub>** C 76,7 — H 9,3 — O 14,0 — M. G. 344.  
1) Anacardsäure. Sm. 26°. Mg + H<sub>2</sub>O, Ca + H<sub>2</sub>O, Ba + H<sub>2</sub>O, Pb, Fe<sub>2</sub> + 3H<sub>2</sub>O, Ag (A. 83, 141; B. 20, 1861). — II, 1686.
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>** C 73,3 — H 8,9 — O 17,8 — M. G. 360.  
1) Digitoxigenin. Sm. 230° (C. 1898 [2] 791; B. 31, 2455). — III, 582.
- C<sub>22</sub>H<sub>22</sub>O<sub>6</sub>** C 67,3 — H 8,1 — O 24,5 — M. G. 392.  
1) Triacetat d. 1,2,3-Trioxy-<sup>2</sup>-Diisoamylbenzol. Sm. 145° (B. 25, 2656). — II, 1026.
- C<sub>22</sub>H<sub>22</sub>O<sub>7</sub>** C 64,7 — H 7,8 — O 27,5 — M. G. 408.  
1) Quercitwainsäure. Ca<sub>2</sub> + 2H<sub>2</sub>O (BERTHELOT, Chim. org. synth. 2, 220). — I, 795.
- C<sub>22</sub>H<sub>22</sub>O<sub>12</sub>** C 54,1 — H 6,5 — O 39,3 — M. G. 440.  
1) Hexaäthylester d.  $\beta$ -Buten- $\alpha\alpha\beta\gamma\delta\delta$ -Hexacarbonsäure. Sm. 175°; Sd. 210—212°<sub>15</sub> (M. 9, 452). — I, 872.
- C<sub>22</sub>H<sub>22</sub>N<sub>2</sub>** C 81,5 — H 9,9 — N 8,6 — M. G. 324.  
1) Base (aus Isomylidenphenylamin). Sd. 300—315°. 2HCl (B. 25, 2044). — II, 444.
- C<sub>22</sub>H<sub>22</sub>N<sub>4</sub>** C 75,0 — H 9,1 — N 15,9 — M. G. 352.  
1) Diisoamylidiphentetraazon. Sm. 86,5° (A. 252, 286). — IV, 1808.
- C<sub>22</sub>H<sub>22</sub>N** C 84,9 — H 10,6 — N 4,5 — M. G. 311.  
1) 2-Tridekylchinolin. Sm. 31—32°. (2HCl, PtCl<sub>4</sub>) (B. 23, 2363). — IV, 344.
- C<sub>22</sub>H<sub>24</sub>O<sub>2</sub>** C 80,0 — H 10,3 — O 9,7 — M. G. 330.  
1) Aethylester d. Dextropimarsäure. Sm. 52° (B. 19, 2171). — II, 1437.  
2)  $\alpha$ -Acetat d. Oxycampherpinakonan. Sm. 74° (B. 27, 2349; A. 292, 16).  
3)  $\beta$ -Acetat d. Oxycampherpinakonan. Sm. 109° (B. 27, 2349; A. 292, 17).  
C 76,3 — H 9,8 — O 13,9 — M. G. 346.
- C<sub>22</sub>H<sub>24</sub>O<sub>4</sub>** Caincetin (J. 1862, 488). — III, 573.  
2) Acetat d. Vitin. Sm. 239° u. Zera. (M. 14, 728). — III, 650.  
3) Aethylester d. Camphanoncamphersäure. Sm. 79° (G. 27 [1] 187).  
4) Aethylester d. Säure C<sub>20</sub>H<sub>30</sub>O<sub>3</sub> (aus Colophonium). Fl. (J. r. 20, 477). — II, 1674.
- C<sub>22</sub>H<sub>24</sub>O<sub>6</sub>** C 72,9 — H 9,4 — O 17,7 — M. G. 362.  
1) Gurjunsäure. Sm. 220°. Ca, Ba, Ag, (J. 1862, 462). — II, 1860.  
2) Metacopaiavasäure. Sm. 205—206°. Cu + H<sub>2</sub>O, Ag<sub>2</sub> + H<sub>2</sub>O (A. 148, 153). — II, 1860.
- C<sub>22</sub>H<sub>24</sub>O<sub>7</sub>** C 64,4 — H 8,3 — O 27,3 — M. G. 410.  
1) Verbindung (aus d.  $\alpha$ -Monomethylester d. d-Camphersäure u. Phenylcarbonimid). Sm. 62° (B. 25 [2] 725). — I, 724.
- C<sub>22</sub>H<sub>24</sub>O<sub>10</sub>** 2) Verbindung (aus d.  $\beta$ -Monomethylester d. d-Camphersäure u. Phenylcarbonimid). Sm. 78—79° (B. 25 [2] 725). — I, 724.  
C 57,6 — H 7,4 — O 34,9 — M. G. 458.
- C<sub>22</sub>H<sub>24</sub>O<sub>12</sub>** Dulcamarin. Pb + 3(H<sub>2</sub>O) (J. 1875, 828). — III, 582.  
2) Tetraäthylester d.  $\beta\beta$ -Diketo- $\beta$ -Isopropylheptan- $\alpha\gamma\beta\eta$ -Tetracarbon-säure (T. d. Isobutylidenbisacetondicarbonsäure). Sm. 104° (A. 288, 357). C 53,9 — H 6,9 — O 39,2 — M. G. 490.
- C<sub>22</sub>H<sub>24</sub>O<sub>12</sub>** 1) Diäthylester d. Tetrapropionylsleimsäure. Sm. 118—120° (M. 15, 200).  
2) Hexaäthylester d. Butan- $\alpha\beta\beta\gamma\delta$ -Hexacarbonsäure. Sm. 56° (B. 16, 1046; 17, 2786). — I, 872.
- C<sub>22</sub>H<sub>26</sub>O** C 83,6 — H 11,4 — O 5,0 — M. G. 316.  
1) Masopin. Sm. 155° (A. 46, 124). — III, 560.  
2) Pentadekylphenylketon. Sm. 59°; Sd. 250,5—251°<sub>15</sub> (155°) (B. 19, 2982; 21, 2266; 29, 1327). — III, 157.  
3)  $\alpha$ -Aethyläther d. Oxycampherpinakonan. Sm. 58° (B. 27, 2348; A. 292, 12).  
4)  $\beta$ -Aethyläther d. Oxycampherpinakonan. Sm. 73° (B. 27, 2349; A. 292, 13).

- C<sub>27</sub>H<sub>36</sub>O**
- 5) **Verbindung** (aus Dichloräthyläther). Sd. oberh. 300° (A. **178**, 10). C 79,5 — H 10,8 — O 9,6 — M. G. 332.
  - 1) **Acetat d. Cinchol.** Sm. 124° (A. **228**, 295). — II, **1069**.
  - 2) **Acetat d. Cupreol.** Sm. 126° (A. **228**, 293). — II, **1068**.
  - 3) **Acetat d. Quebrachol.** Sm. 115° (unc.) (A. **211**, 274). — II, **1068**.
  - 4) **Phenylester d. Palmitinsäure.** Sm. 45°; Sd. 249,5°<sub>45</sub> (B. **17**, 1380). — II, **662**.
- C<sub>21</sub>H<sub>36</sub>O<sub>2</sub>**
- 1) **Caperatid.** Sm. 47° (J. pr. [2] **57**, 429). C 59,5 — H 8,1 — O 32,3 — M. G. 444.
- C<sub>21</sub>H<sub>36</sub>O<sub>9</sub>**
- 1) **Mannitanetetrabutyrat** (A. ch. [3] **47**, 321). — I, **424**.
- C<sub>21</sub>H<sub>36</sub>O<sub>11</sub>**
- 1) **Pinipikrin.** Sm. 80° (J. **1853**, 572; **1854**, 658). — III, **601**.
- C<sub>21</sub>H<sub>36</sub>O**
- 1) **Cholesterol** (oder C<sub>26</sub>H<sub>34</sub>O?). Sm. 139° (B. **17**, 871; **18**, 1803; A. **234**, 377). — II, **1069**.
  - 2) **Illyciakohol** (oder C<sub>25</sub>H<sub>44</sub>O). Sm. 172° (Soc. **53**, 676; Bl. **42**, 150). — II, **1069**.
  - 3) **4-Oxy-1-Hexadekylbenzol.** Sm. 77,5°; Sd. 260—261°<sub>16</sub> (B. **19**, 2984). — II, **777**.
  - 4) **Cetylphenyläther.** Sm. 41,8°; Sd. 200°<sub>10</sub> (R. **12**, 182). — II, **654**.
- C<sub>21</sub>H<sub>36</sub>O<sub>2</sub>**
- 1) **Dioscamylläther d. 3,5-Dioxy-P-Isosamyl-1-Methylbenzol** (Z. **1867**, 561). — II, **961**.
- C<sub>21</sub>H<sub>36</sub>O<sub>5</sub>**
- 1) **Acetat d. Alkohol C<sub>26</sub>H<sub>36</sub>O<sub>2</sub>** (aus Dimethylolyl). Sm. 54° (Bl. [3] **11**, 618).
- C<sub>21</sub>H<sub>36</sub>O<sub>4</sub>**
- 1) **Däthylester d. Allocamphotethischen Säure.** Sm. 67—68° (Soc. **67**, 344).
- C<sub>21</sub>H<sub>36</sub>O<sub>5</sub>**
- 1) **Caperatid.** Sm. 132°. Ba, Ag<sub>2</sub> (B. **30**, 365; J. pr. [2] **57**, 427).
  - 2) **Dipropylester d. norm. Dicaprolylweinsäure.** Sd. 242—243°<sub>10</sub> (B. **26** [2] 923; Bl. [3] **9**, 683; [3] **11**, 314).
  - 3) **Dibutylester d. Divalerylwinsäure.** Sd. 340—350° (Bl. [3] **11**, 313).
  - 4) **Dibutylester d. Divalerylwinsäure.** Fl. (Bl. [3] **11**, 368).
- C<sub>21</sub>H<sub>36</sub>O<sub>6</sub>**
- 1) **Digitalein** (J. **1851**, 567; **1858**, 528; **1872**, 763; **1873**, 816; **1875**, 840; Fr. **23**, 22). — III, **580**.
- C<sub>21</sub>H<sub>36</sub>N**
- 1) **Cetylaminobenzol.** Sm. 42°. (2HCl, PtCl<sub>4</sub>) (A. **83**, 29). — II, **336**.
  - 2) **isom. Cetylbenzol.** Sm. 53°; Sd. 254—255°<sub>14</sub>. (2HCl, PtCl<sub>4</sub>) (B. **19**, 2984). — II, **566**.
- C<sub>21</sub>H<sub>36</sub>O<sub>2</sub>**
- 1) **Behenolsäure.** Sm. 57,5°. Mg, Ba, Ag (A. **143**, 42; J. pr. [2] **42**, 380; B. **25**, 964, 2668; **26**, 640, 1807; **27**, 3397). — I, **536**.
- C<sub>21</sub>H<sub>36</sub>O<sub>4</sub>**
- 1) **μ-Didiketobehensäure** (Dioxybehenolsäure). Sm. 95°. Ag (A. **143**, 46; B. **26**, 644; **28**, 276; **29**, 810, 812). — I, **696**.
  - 2) **Diundekylensäure.** Sm. 29—30°; Sd. 275°<sub>15</sub>. Ca, Ba, Ag (B. **17**, 2986; **19**, 2226). — I, **523**.
- C<sub>21</sub>H<sub>40</sub>O<sub>5</sub>**
- 1) **Monacetat d. Verb. C<sub>26</sub>H<sub>36</sub>O<sub>4</sub>** (aus Isobutyraldehyd). Sd. 240—242° (Soc. **43**, 95). — I, **947**.
- C<sub>21</sub>H<sub>40</sub>O<sub>6</sub>**
- 1) **Diacetoxystearinsäure** (J. pr. [2] **40**, 240). — I, **636**.
- C<sub>21</sub>H<sub>42</sub>O<sub>2</sub>**
- 1) **Brassidinsäure.** Sm. 60° (65%). Sd. 282°<sub>20</sub> (180%). Na, Mg, Ba, Pb, Ag (A. **143**, 54; B. **4**, 444; **19**, 3321; **25**, 962; **28**, 1325; J. **1853**, 444; **1877**, 728—729; J. pr. [2] **42**, 369; [2] **50**, 65, 68, 79, 81). — I, **528**.
  - 2) **Erucaäsure.** Sm. 33—34°; Sd. 281°<sub>20</sub> (179%). Na, Ba, Pb, Ag (A. **69**, 4; **127**, 182; **143**, 40; B. **4**, 442; **19**, 3320; **22**, 819; **28**, 1325; J. pr. [2] **42**, 368; [2] **50**, 78, 81; J. **1853**, 445; **1876**, 579). — I, **527**.
  - 3) **Isoerucasäure.** Sm. 54—56°. Na, Ca, Ba, Ag (J. pr. [2] **45**, 301; [2] **49**, 58; [2] **50**, 66, 81).

- C<sub>22</sub>H<sub>42</sub>O<sub>8</sub>** C 74,6 — H 11,9 — O 13,5 — M. G. 354.  
 1) **Oxybebensäure (Ketobehensäure).** Sm. 83—84° (80°). Na, Ag (B. 25, 963, 2669; 26, 839, 1867, 27, 176; J. pr. [2] 48, 336; [2] 49, 200; [2] 50, 378). — I, 614.  
 2) **Oxyerucasäure.** Ba (A. 143, 52). — I, 614.  
 3) **Phellonsäure.** Sm. 96° (J. 1884, 1461). — III, 627.  
 4) **Acetylaraichinsäureanhydrid.** Sm. 60° (B. 11, 2031). — I, 464.  
 5) **Aestylester d. β-Keto-γ-Oktylundekan-γ-Carbonsäure (Aestylester d. Dioktyacetessigsäure).** Sd. 340—342° (A. 204, 9). — I, 614.  
**C<sub>22</sub>H<sub>42</sub>O<sub>4</sub>** C 71,3 — H 11,3 — O 17,3 — M. G. 370.  
 1) **Diäthylester d. Hexadekan-a-n-Dicarbonsäure.** Sm. 43° (A. 261, 126). — I, 690.  
**C<sub>22</sub>H<sub>42</sub>O<sub>5</sub>** C 68,4 — H 10,9 — O 20,7 — M. G. 386.  
 1) **Cetylid.** Sm. 62—65° (H. 3, 334).  
**C<sub>22</sub>H<sub>42</sub>O<sub>28</sub>** C 35,0 — H 5,6 — O 59,4 — M. G. 754.  
 1) **Milchzuckerweinsäure.** Ca<sub>3</sub> + 4H<sub>2</sub>O (A. ch. [3] 54, 82). — I, 1064.  
**C<sub>22</sub>H<sub>44</sub>O** C 81,5 — H 13,6 — O 4,9 — M. G. 324.  
 1) **η-Ketodokosan (Hexylpentadekylketon).** Sm. 56—57°; Sd. 231°<sub>10</sub> (B. 15, 1718; Soc. 63, 463). — I, 1006.  
**C<sub>22</sub>H<sub>44</sub>O<sub>2</sub>** C 77,6 — H 12,9 — O 9,4 — M. G. 340.  
 1) **Behensäure.** Sm. 83° (80—82°). Na, Ba, Pb, Zn, Ag (A. 64, 271, 343, 346; J. pr. [2] 42, 379; [2] 49, 61, 111; [2] 50, 71). — I, 447.  
 2) **Säure (aus μ-ν-Diketobehensäure).** Sm. 74—75° (B. 28, 278).  
 3) **Aestylester d. Arachinsäure.** Sm. 50°; Sd. 284—286°<sub>100</sub> (A. 89, 1; 97, 261; 101, 97; J. 1884, 1193; J. pr. [2] 48, 488). — I, 447.  
**C<sub>22</sub>H<sub>44</sub>O<sub>3</sub>** C 74,1 — H 12,4 — O 13,5 — M. G. 356.  
 1) **α-Oxybebensäure.** Sm. 96—97° (G. 27 [2] 299).  
 2) **α-Oxyarachinäthyläthersäure.** Sm. 53—56°. Na, Ba, Pb (M. 17, 537).  
 3) **Aestylester d. α-Oxyarachinsäure.** Sm. 62—66° (M. 17, 535).  
**C<sub>22</sub>H<sub>44</sub>O<sub>4</sub>** C 70,9 — H 11,8 — O 17,2 — M. G. 372.  
 1) **Dioxybebensäure (aus Brassidinsäure).** Sm. 98—99° (99—100%). Na, Ag (M. 10, 196; J. pr. [2] 50, 70, 80). — I, 636.  
 2) **Dioxybebensäure (aus Erucasäure).** Sm. 132—133° (127°; 130°). Na, Ca, Ba, Zn, Cu, Ag (A. 143, 53; J. pr. [2] 39, 336; [2] 42, 382; [2] 50, 67; M. 9, 948). — I, 636.  
 3) **Dioxybebensäure (aus Isoerucasäure).** Sm. 86—88°. Na, Ag (J. pr. [2] 49, 63; [2] 50, 67).  
**C<sub>22</sub>H<sub>44</sub>O<sub>5</sub>** C 68,0 — H 11,3 — O 20,6 — M. G. 388.  
 1) **Isoamylester d. Trioxysigtriaisoamyläthersäure.** Sd. 190°<sub>14</sub> (A. 254, 34). — I, 737.  
 2) **Erythritmonostearat (BERTHELOT, Chim. org. synth. 2, 224).** — I, 446.

### C<sub>22</sub>-Gruppe mit drei Elementen.

- C<sub>22</sub>H<sub>10</sub>O<sub>9</sub>Cl<sub>2</sub>** 1) **Dichlordicarbonylbinaphylen** (M. 1, 256). — II, 1730.  
**C<sub>22</sub>H<sub>10</sub>O<sub>9</sub>Br<sub>2</sub>** 1) **Dibromdicarbonylbinaphylen** (M. 1, 257). — II, 1730.  
**C<sub>22</sub>H<sub>10</sub>O<sub>9</sub>N<sub>4</sub>** C 67,0 — H 2,5 — O 16,2 — N 14,2 — M. G. 394.  
 1) **Indophan.** Na + H<sub>2</sub>O, K + H<sub>2</sub>O (A. 157, 342). — II, 863.  
**C<sub>22</sub>H<sub>10</sub>O<sub>8</sub>N<sub>2</sub>** C 66,3 — H 2,5 — O 24,1 — N 7,0 — M. G. 398.  
 1) **2,6-Di[1,2-Phtalylamido]-1,4-Benzochinon.** Sm. 277° (G. 16, 254). — III, 340.  
**C<sub>22</sub>H<sub>10</sub>O<sub>10</sub>N<sub>8</sub>** C 39,2 — H 1,5 — O 42,7 — N 16,6 — M. G. 674.  
 1) **Lakton d. α-Oxy-α'-Phenyl-α''-Di[2,3,5,6-Tetranitro-4-Methyl-phenyl]methan-α'2-Carbonsäure.** Sm. 289° (A. 299, 293).  
**C<sub>22</sub>H<sub>11</sub>O<sub>5</sub>Br<sub>5</sub>** 1) **Pentabromorcinphthaléin** (A. 183, 70). — II, 2066.  
**C<sub>22</sub>H<sub>11</sub>O<sub>4</sub>N<sub>2</sub>** C 71,7 — H 3,3 — O 17,4 — N 7,6 — M. G. 368.  
 1) **1,3-Di[1,2-Phtalylamido]benzol.** Sm. 252° (B. 10, 1165). — IV, 578.  
 2) **1,4-Di[1,2-Phtalylamido]benzol.** Sm. 295° u. Zers. (B. 10, 1164). — IV, 595.  
**C<sub>22</sub>H<sub>11</sub>O<sub>5</sub>Br<sub>4</sub>** 1) **Tetrabrom-β-Orcinphthaléin** (A. 183, 69; B. 29, 2637). — II, 2066.  
 2) **Tetrabrom-γ-Orcinphthaléin** (B. 29, 2639).

- C<sub>21</sub>H<sub>12</sub>O<sub>5</sub>Br<sub>4</sub>** 3) **Aethyläther d. Tetrabromfluorescein (roth).** K<sub>2</sub> + H<sub>2</sub>O (*A.* 183, 46). — **II.** 2063.
- 4) **isom. Aethyläther d. Tetrabromfluorescein (farblos)** (*A.* 183, 50). — **II.** 2064.
- C<sub>21</sub>H<sub>12</sub>O<sub>5</sub>Br<sub>4</sub>** 1) **Hexabromorcinaurin?** (*B.* 13, 554). — **II.** 1125.
- C<sub>21</sub>H<sub>12</sub>O<sub>6</sub>N<sub>2</sub>** 1) **2,6-Di[Phthalylamido]-1,4-Dioxybenzol.** Sm. noch nicht bei 310° (*G.* 16, 254). — **II.** 1809.
- 2) **Dinitrat d. 2,2'-Binaphthylenglykol.** Sm. 190° u. Zers. (*A. ch.* [5] 28, 175). — **II.** 1105.
- C<sub>22</sub>H<sub>12</sub>O<sub>1</sub>N<sub>8</sub>** C 41,8 — H 1,9 — O 43,0 — N 13,3 — M. G. 632.
- 1) **Hexanitroorcinaurin + H<sub>2</sub>O.** HNO<sub>3</sub>, Na, Ag (*B.* 13, 560). — **II.** 1125.
- C<sub>22</sub>H<sub>12</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Bi- $\alpha$ -Naphththiazol** (*B.* 20, 1804). — **II.** 870.
- 2) **Bi- $\beta$ -Naphththiazol.** Zers. bei 300° (*B.* 20, 1801; 25, 1903). — **II.** 888.
- C<sub>22</sub>H<sub>12</sub>N<sub>8</sub>S<sub>4</sub>** 1) **Bi- $\alpha$ -Naphththiazol-1,1-Disulfid.** Sm. 180° (*B.* 24, 1409). — **II.** 871.
- 2) **Bi- $\beta$ -Naphththiazolsulfid.** Sm. 194° (*B.* 21, 2626; 24, 1408). — **II.** 889.
- C<sub>22</sub>H<sub>12</sub>OCl<sub>3</sub>** 1) **Chlorhydrin d. 2,2'-Binaphthylenglykol.** HCl + 3H<sub>2</sub>O, + C<sub>2</sub>H<sub>4</sub>O<sub>2</sub> (*A. ch.* [5] 28, 170). — **II.** 1104.
- 2) **Anhydro- $\beta\beta'$ -Trichlor- $\alpha\alpha$ -Di[1-Oxynaphthyl]äthan.** Sm. 238—239° u. Zers. (*J. pr.* [2] 47, 68). — **II.** 1007.
- 3) **Anhydro- $\beta\beta'$ -Trichlor- $\alpha\alpha$ -Di[2-Oxynaphthyl]äthan.** Sm. 241° (236° u. Zers. (*J. pr.* 23, 221; *J. pr.* [2] 47, 66). — **II.** 1007.
- C<sub>22</sub>H<sub>12</sub>OBr** 1) **Bromhydrin d. 2,2'-Binaphthylenglykol.** HBr + 3H<sub>2</sub>O, + C<sub>2</sub>H<sub>4</sub>O<sub>2</sub> (*A. ch.* [5] 28, 161). — **II.** 1104.
- C<sub>22</sub>H<sub>12</sub>OBr<sub>3</sub>** 1) **Dibromid d. 2,2'-Binaphthylenglykoltibromhydrin.** Zers. bei 280° (*A. ch.* [5] 28, 165). — **II.** 1104.
- C<sub>22</sub>H<sub>12</sub>OJ<sub>2</sub>** 1) **Jodid d. 2,2'-Binaphthylenglyhydrin** (*A. ch.* [5] 28, 172). — **II.** 1104.
- C<sub>22</sub>H<sub>12</sub>O<sub>2</sub>N** 1) **1,8-Anhydrid d. 8-[1-Naphtoyl]amidonaphthalin-1-Carbonsäure.** Sm. 150° (*J. pr.* [2] 38, 168). — **II.** 1450.
- 2) **1,8-Anhydrid d. 8-[2-Naphtoyl]amidonaphthalin-1-Carbonsäure.** Sm. 197—198° (*J. pr.* [2] 38, 169). — **II.** 1450.
- C<sub>22</sub>H<sub>12</sub>O<sub>2</sub>N<sub>2</sub>** C 71,9 — H 3,5 — O 13,1 — N 11,4 — M. G. 367.
- 1) **Nitrosindon** (*A.* 286, 215). — **IV.** 1056.
- 2) **isom. Nitrosindon** (*B.* 31, 3083).
- C<sub>22</sub>H<sub>12</sub>O<sub>2</sub>N** C 74,3 — H 3,7 — O 18,0 — N 3,9 — M. G. 355.
- 1) **Nitrat d. 2,2'-Binaphthylenglykol.** + C<sub>2</sub>H<sub>4</sub>O<sub>2</sub> (*A. ch.* [5] 28, 176). — **II.** 1105.
- 2) **Acetat d. Dinaphthoresorfin** (A. d. Oxyketodinaphoxazin). Sm. bei 200° (*B.* 28, 358). — **IV.** 476.
- C<sub>22</sub>H<sub>12</sub>O<sub>2</sub>N<sub>2</sub>** C 60,7 — H 3,9 — O 25,7 — N 9,6 — M. G. 435.
- 1) **Pyrenpikrat.** Sm. 222° (*B.* 10, 2143). — **II.** 284.
- C<sub>22</sub>H<sub>14</sub>ON<sub>2</sub>** C 82,0 — H 4,3 — O 5,0 — N 8,7 — M. G. 322.
- 1) **3,5-Di[2-Naphtyl]-1,2,4-Oxadiisol.** Sm. 175° (*B.* 20, 226). — **II.** 1455.
- 2) **Oxyphenylnaphthonasrin.** Sm. 229—231°. Na, Ag (*A.* 296, 23). — **IV.** 1090.
- 3) **Rosindon (Rosindulon).** Sm. 261—262° (259°) (*B.* 24, 586; 28, 349; 30, 2627; 31, 305, 2429; *A.* 256, 238; 262, 243). — **IV.** 1055.
- 4) **Isorosindon[9].** Sm. 223—224°. HCl (*B.* 29, 2755). — **IV.** 1056.
- 5) **10,12-Anhydrid d. 10-Oxy- $\alpha\beta$ -Naphthonasrin-12-Phenoxydhydrat** (Isorosindon-10). Sm. 267° (*B.* 31, 3104).
- C 78,1 — H 4,1 — O 9,5 — N 8,3 — M. G. 338.
- 1) **2-Oxyrosindon[5]** (*A.* 286, 218). — **IV.** 1058.
- 2) **3-Oxyrosindon[5]** (*A.* 286, 217). — **IV.** 1058.
- 3) **9-Oxyrosindon[5]** (Naphthostranol) (*A.* 272, 322; *B.* 29, 2756; 31, 2482, 2484). — **IV.** 1058, 1059.
- 4) **2-Oxyisorosindon[9].** HCl (*A.* 272, 319, 322; 286, 221; *B.* 31, 307). — **IV.** 1059.
- 5) **N-1-Naphtylsafranol.** Na (*B.* 31, 1185).
- 6) **N-2-Naphtylsafranol.** Na (*B.* 31, 1185).
- 7) **Verbindung** (aus 2-Nitro-1,8-Naphtochinon). Zers. unterh. 80° (*B.* 21, 1462). — **III.** 398.
- 8) **Verbindung** (aus 1,2-Naphtochinon-4-Sulfonsäure u. 2-Amido-1-Phenylamidobenzol). Sm. 212° (*B.* 31, 2436).

- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>N<sub>4</sub>** C 72,1 — H 3,8 — O 8,7 — N 15,3 — M. G. 366.  
 1) **5,7-Anhydrid d. 10-Nitro-5-Amido- $\alpha\beta$ -Naphtophenazin-7-Phenyl-oxyhydrat.** Zers. bei 242° (B. 31, 3079).
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>S<sub>4</sub>** 1) **Thiosuperoxyd d. 1-Oxynaphthalin-2-Dithiocarbonsäure.** Sm. 242 bis 245° (J. pr. [2] 54, 418).
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>** C 74,0 — H 3,9 — O 13,6 — N 7,9 — M. G. 354.  
 1) **Rosindonsäure.** Sm. 209°. Ag (A. 262, 244). — IV, 1056.
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>** C 71,3 — H 3,8 — O 17,3 — N 7,6 — M. G. 370.  
 1) **P-Asonaphthalin-2,2'-Dicarbonsäure** (B. 5, 1022). — IV, 1466.  
 2) **Dioximidophtalaconcarbonsäure.** Sm. 272 — 273° (B. 17, 1395). — II, 1915.  
 3) **Acetat d. Oxychinakridon.** Sm. noch nicht bei 360° (B. 29, 80). — IV, 1087.
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>Cl<sub>4</sub>** 1) **Dibenzylester d. 3,4,5,6-Tetrachlorbenzol-1,2-Dicarbonsäure.** Sm. 92 — 93° (B. 30, 784).
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>Br<sub>3</sub>** 1)  $\alpha_2$ -Lakton d.  $\beta$ -Dibrom- $\alpha$ -Oxy- $\beta$ -Acetoxytrifluoromethan-2-Carbonsäure. Sm. 170 — 172° (B. 13, 1616). — II, 1910.
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>Br<sub>4</sub>** 1)  $\alpha_2,2^2$ -Lakton d.  $\beta$ -Tetrabrom- $\alpha$ , $4^2$ -Trioxytrifluoromethan-4'-Aethyläther-2'-Carbonsäure (Aethyläther d. Iaktoïden Tetrabromphenolphälein). Sm. 237° (B. 30, 178).  
 2) **Aethylester d. chinoïden Tetrabromphenolphthalein.** Sm. 210 — 215°. K (B. 30, 177).
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>N<sub>4</sub>** C 63,8 — H 3,4 — O 19,3 — N 13,5 — M. G. 414.  
 1) **2-(4-Nitrophenyl)amido-4-(4-Nitrophenyl)imido-1-Keto-1,4-Dihydronaphthalin.** Sm. 143° (B. 21, 394). — III, 376.  
 2) **Verbindung** (aus d. Nitril d.  $\alpha\beta$ -Di(2-Nitrophenyl)propionsäure). Sm. 189,5° (B. 19, 2641). — II, 1318.
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>Br** 1) **Tetrabromocinaurin.** Na + 4H<sub>2</sub>O (B. 13, 555). — II, 1125.
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>S** 1) **Sulfat d. 2,2-Binaphthylenglykol.** + H<sub>2</sub>SO<sub>4</sub> + H<sub>2</sub>O, + C<sub>9</sub>H<sub>8</sub>O<sub>3</sub> (A. ch. [5] 28, 174). — II, 1105.
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>** C 65,7 — H 3,5 — O 23,9 — N 6,9 — M. G. 402.  
 1) **Dimethylester d. Triphendioxazincarbonsäure** (B. 30, 995). — IV, 1083.  
 2)  **$\alpha$ -Di[1-Nitro-2-Naphthylamid] d. Oxalsäure.** Sm. oberh. 270° (Soc. 61, 466). — II, 620.
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>N<sub>4</sub>** C 61,4 — H 3,3 — O 22,3 — N 13,0 — M. G. 430.  
 1) **1,4-Dioxybenzol-2,3,5,6-Tetracarbonsäureanhydrodiphenylhydrat** (A. 258, 277). — IV, 733.
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>** C 54,8 — H 2,9 — O 36,5 — N 5,8 — M. G. 482.  
 1)  **$\alpha$ -Oxy- $\alpha$ -Phenyl- $\alpha\alpha$ -Di[ $\rho$ -Nitrophenyl]methan- $\alpha^2,\alpha^4,\alpha^4$ -Tricarbonsäure** (A. 299, 299).
- C<sub>22</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>** C 41,9 — H 12,2 — O 38,1 — N 17,8 — M. G. 630.  
 1) **Säure** (aus Hexanitrocinaurin) (NH<sub>4</sub>)<sub>2</sub>, K<sub>2</sub>, K<sub>3</sub>, Ag (B. 13, 563). — II, 1125.
- C<sub>22</sub>H<sub>14</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **7-Chlorphenylat d. 5-Chlor- $\alpha\beta$ -Naphtophenazin.** 2 + PtCl<sub>6</sub>, + AuCl<sub>5</sub> (B. 30, 1828). — IV, 1052.  
 2) **7-Chlorphenylat d. 9-Chlor- $\alpha\beta$ -Naphtophenazin + H<sub>2</sub>O.** 2 + PtCl<sub>6</sub>, + AuCl<sub>5</sub> (B. 31, 303). — IV, 1052.
- C<sub>22</sub>H<sub>14</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Thiocarbonyl- $\beta$ -Dinaphylpseudothioharnstoff.** Sm. 152° u. Zers. (B. 25, 1466). — II, 626.
- C<sub>22</sub>H<sub>14</sub>ON** C 85,4 — H 4,8 — O 5,2 — N 4,5 — M. G. 309.  
 1) **Acetyl- $\beta$ -Dinaphthylamin.** Sm. 144° (B. 15, 2175). — IV, 473.  
 2) **Acetyl- $\beta$ -Dinaphylcarbazol.** Sm. 143° (B. 19, 2243). — IV, 473.  
 3) **Verbindung** (aus 2,2-Binaphthylenglykobromhydrin). Zers. oberh. 200°. 2HCl, (2HCl, PtCl<sub>6</sub>), 2HBr (A. ch. [5] 28, 184). — II, 1105.
- C<sub>22</sub>H<sub>14</sub>ON** C 78,3 — H 4,4 — O 4,7 — N 12,5 — M. G. 337.  
 1) **Oxyrosindulin.** Sm. 270° u. Zers. (A. 272, 321). — IV, 1202.  
 2) **Amidorosindon** (A. 286, 215). — IV, 1207.  
 3) **4,7-Anhydrid d. 4-Oxymido- $\alpha\beta$ -Naphtophenazin-7-Phenyl-oxyhydrat.** Zers. bei 233° (B. 31, 2433).  
 4) **10,12-Anhydrid d. 9-Amido-10-Oxy- $\alpha\beta$ -Naphtophenazin-12-Phenyl-oxyhydrat** (9-Amidoisorosindon-10). Sm. oberh. 300° (B. 31, 3103).  
 5) **Base** (aus d. Chlorid C<sub>22</sub>H<sub>14</sub>N<sub>2</sub>Cl). Sm. 215 — 217° (B. 23, 1322). — IV, 1397.

- C<sub>22</sub>H<sub>15</sub>ON<sub>5</sub>** C 72,3 — H 4,1 — O 4,4 — N 19,2 — M. G. 365.  
 1) 5-Phenyl-3-[1,5-Diphenyl-1,2,4-Triazolyl-3]-1,2,4-Oxidiazol. Sm. 205,5—206° (B. 22, 1754). — IV, 1164.
- C<sub>22</sub>H<sub>15</sub>OCl** 1) 4-Chlor-2,3,5-Triphenylfuran. Sm. 115° (Soc. 51, 430). — III, 695.  
 2) Verbindung aus 2-Oxynaphthalin. Sm. 174° (A. 243, 169). — II, 1029.
- C<sub>22</sub>H<sub>15</sub>O<sub>2</sub>N** 1) Oxy-2-Dinaphthylacetamin. Sm. 235° (B. 19, 2245). — II, 886.  
 2) Methyläther d. 1-[2-Oxynaphthalin]phenanthrenoxazol. Sm. 144—145,5° (Soc. 41, 146). — III, 447.  
 3)  $\beta$ -Oxy- $\beta$ -Phenyl-1,4-Naphtochinonphenylimid. Sm. 158—158,5° (A. 226, 40). — III, 460.  
 4) 2,3-Diphenylchinolin-4-Carbonsäure. Sm. 295° u. Zers. (191°). Na + 8H<sub>2</sub>O, Cu + 9H<sub>2</sub>O, Ag + H<sub>2</sub>O, Pikrat (J. pr. [2] 38, 583; [2] 56, 290). — IV, 475.  
 5) 2-[ $\beta$ -Phenyläthenyl]- $\alpha$ -Naphtochinolin-4-Carbonsäure. Sm. 256° u. Zers. Ba + 2H<sub>2</sub>O, Cu + H<sub>2</sub>O, Ag (B. 23, 1231). — IV, 475.  
 6) 3-[ $\beta$ -Phenyläthenyl]- $\beta$ -Naphtochinolin-1-Carbonsäure. Sm. 305°. Ag (B. 23, 1238). — IV, 476.  
 7) Phenylimid d.  $\alpha\beta$ -Diphenyläthenen- $\alpha\beta$ -Dicarbonsäure. Sm. 174 bis 175°; Sd. 293<sup>14</sup> (A. 259, 65). — II, 1897.
- C<sub>22</sub>H<sub>15</sub>O<sub>2</sub>N<sub>3</sub>** C 74,8 — H 4,2 — O 9,1 — N 11,9 — M. G. 353.  
 1) 4-[4-Azobenzol]imido-2-Oxy-1-Ketonaphthalin. Sm. 250° u. Zers. (B. 27, 26).
- C<sub>22</sub>H<sub>15</sub>O<sub>2</sub>Cl<sub>2</sub>** 1)  $\beta\beta\beta$ -Trichlor- $\alpha\alpha$ -Di[1-Oxynaphthyl]äthan. Zers. bei 200° (J. r. 23, 219). — II, 1007.
- C<sub>22</sub>H<sub>15</sub>O<sub>2</sub>Br** 1) Lakton d.  $\beta$ -Brom- $\alpha$ -Oxy- $\gamma\gamma$ -Triphenylpropen- $\gamma$ -Carbonsäure. Sm. 109° (Soc. 57, 678). — II, 1726.
- C<sub>22</sub>H<sub>15</sub>O<sub>2</sub>N** C 77,4 — H 4,4 — O 14,1 — N 4,1 — M. G. 341.  
 1) 1,1-Dinaphthylhydroxamsäure. Sm. 150° K (B. 20, 1358). — II, 1446.  
 2) 1,2-Dinaphthylhydroxamsäure. Sm. 160° (B. 20, 1360). — II, 1454.  
 3) 2,2-Dinaphthylhydroxamsäure. Sm. 171° (B. 20, 1360). — II, 1454.  
 4) 2-Benzoyl-4-Methylphenylimid d. Benzol-1,2-Dicarbonsäure. Sm. 202° (B. 17, 2680). — III, 216.  
 5) 3-Benzoyl-4-Methylphenylimid d. Benzol-1,2-Dicarbonsäure. Sm. 160° (B. 17, 2680). — III, 216.  
 6) Benzoylphenylmethylinid d. Benzol-1,2-Dicarbonsäure (Desylphthalimid). Sm. 157—158° (B. 23, 995). — III, 221.
- C<sub>22</sub>H<sub>15</sub>O<sub>2</sub>N<sub>4</sub>** C 71,5 — H 4,1 — O 13,0 — N 11,4 — M. G. 369.  
 1) 3-Nitro-2-Phenylamido-4-Phenylimido-1-Keto-1,4-Dihydronaphthalin. Sm. 249—250° (B. 21, 3389). — III, 379.  
 2) 12-Phenoxyhydrat d. 9-Nitro- $\alpha\beta$ -Naphtophenazin. Chlorid + FeCl<sub>3</sub>, 2 Chlorid + PtCl<sub>4</sub>, Nitrat (B. 31, 3099).  
 3) 7-Phenoxyhydrat d. 10-Nitro- $\alpha\beta$ -Naphtophenazin. Chlorid, Nitrat, Bichromat (B. 30, 2638). — IV, 1052.
- C<sub>22</sub>H<sub>15</sub>O<sub>2</sub>N<sub>5</sub>** C 66,5 — H 3,8 — O 12,1 — N 17,8 — M. G. 397.  
 1) 4-[3-Nitrophenylazo]-1-[2-Oxy-1-Naphthylazo]benzol. Sm. 217—218° (Soc. 45, 113). — IV, 1434.
- C<sub>22</sub>H<sub>15</sub>O<sub>2</sub>Br** 1) 4-Bromtribenzoylmethan.  $\alpha$ -Modif. Sm. 186—189°;  $\beta$ -Modif. Sm. 206 bis 208° (A. 291, 96). — III, 321.
- C<sub>22</sub>H<sub>15</sub>O<sub>2</sub>N** C 74,0 — H 4,2 — O 17,9 — N 3,9 — M. G. 357.  
 1)  $\beta$ -Nitro- $\alpha\delta$ -Diketo- $\alpha\beta\delta$ -Triphenyl- $\beta$ -Buten. Sm. 155° (Soc. 57, 675). — III, 308.
- C<sub>22</sub>H<sub>15</sub>O<sub>4</sub>N<sub>5</sub>** C 63,9 — H 3,6 — O 15,5 — N 17,0 — M. G. 413.  
 1) 3-Nitrobensolazo- $\alpha$ -Naphthalinazoresorcin (Soc. 45, 116). — IV, 1445.
- C<sub>22</sub>H<sub>15</sub>O<sub>5</sub>J<sub>3</sub>** 1) Trijodocinaurin. Na (B. 13, 556). — II, 1125.
- C<sub>22</sub>H<sub>15</sub>O<sub>6</sub>N** C 62,7 — H 3,6 — O 30,4 — N 3,3 — M. G. 421.  
 1) Triacetat d. Verb. C<sub>14</sub>H<sub>15</sub>O<sub>6</sub>N. Sm. 227° (B. 29, 1752).
- C<sub>22</sub>H<sub>15</sub>O<sub>6</sub>N<sub>3</sub>** C 58,8 — H 3,3 — O 28,5 — N 9,4 — M. G. 449.  
 1) Monäthyläther d. Dinitrofluoresceingelb (B. 30, 333).
- C<sub>21</sub>H<sub>15</sub>N<sub>2</sub>Cl** 1) 7-Chlorphenylat d.  $\alpha\beta$ -Naphtophenazin. + FeCl<sub>3</sub>, 2 + PtCl<sub>4</sub>, + AuCl<sub>3</sub> (B. 29, 2317, 2968; J. r. 29, 559). — IV, 1051.  
 2) 12-Chlorphenylat d.  $\alpha\beta$ -Naphtophenazin. + FeCl<sub>3</sub>, 2 + PtCl<sub>4</sub>, + AuCl<sub>3</sub> (B. 29, 2318; 30, 2629). — IV, 1051.

- C<sub>22</sub>H<sub>16</sub>ON<sub>2</sub>** C 81,5 — H 4,9 — O 4,9 — N 8,6 — M. G. 324.  
 1) **2-Phenylamido-4-Phenylimido-1-Keto-1,4-Dihydronaphthalin.** Sm. 187°. HCl, (2HCl, ZnCl<sub>2</sub>), (2HCl, PtCl<sub>4</sub>), HJ, H<sub>2</sub>SO<sub>4</sub> (B. 8, 1024; 13, 124; 14, 1493, 1900; 15, 283, 481; 21, 679, 1039; 25, 3607; 27, 243; A. 256, 234). — **III, 374.**  
 2) **2-Naphthilden-2-[α-Oxynaphthyliden]hydrazin.** Sm. 230° (B. 30, 1885; A. 208, 45). — **IV, 956.**  
 3) **5-Keto-4-Benzyliden-1,3-Dimethyl-4,5-Dihydropyrazol.** Sm. 147° (146°) (B. 20, 2548; 27, 784). — **IV, 1040.**  
 4) **6-Oxy-2,4,5-Triphenyl-1,3-Diazin.** Sm. oberh. 340° (J. pr. [2] 39, 255). — **IV, 1088.**  
 5) **ms-Aethyldinaphthoaposafranon.** Sm. 247° (B. 31, 2488).  
 6) **7-Phenoxyhydrat d. α,β-Naphthonazin.** Chlorid, Jodid, Nitrat, Bichromat (B. 29, 2317, 2968; J. r. 29, 559). — **IV, 1051.**  
 7) **12-Phenoxyhydrat d. α,β-Naphthonazin.** Chlorid, Jodid, Nitrat, Bichromat (B. 29, 2318; 30, 2629). — **IV, 1051.**  
 8) **Aethyläther d. Oxphenanthrophenazin.** Sm. 210° (B. 25, 497). — **IV, 1086.**  
 9) **Methyläther d. 2-[2-Oxyphenyl]phenanthrenimidazol.** Sm. 207 bis 208,5° (Soc. 41, 146). — **III, 447.**  
 10) **N-Acetyl dihydrophenanthrophenazin.** Sm. 252° (A. 292, 265). — **IV, 1080.**  
 11) **Nitril d. β-Phenylamido-α-Benzoyl-β-Phenylakrylsäure.** Sm. 165° (J. pr. [2] 58, 156).  
**C<sub>22</sub>H<sub>16</sub>ON<sub>4</sub>** C 75,0 — H 4,5 — O 4,5 — N 15,9 — M. G. 352.  
 1) **2,4-Di[Phenylazo]-1-Oxynaphthalin.** Sm. 193° (190—191°) (B. 21, 3240; 24, 1594, 1604; 28, 1895). — **IV, 1433.**  
 2) **4-[2-Oxy-1-Naphyl]asobenzol.** Sm. 195° (B. 13, 1838). — **IV, 1433.**  
 3) **3-Keto-1,2-Benzyliden-4-Phenylazo-5-Phenyl-2,3-Dihydropyrazol.** Sm. 131° (J. pr. [2] 50, 229; [2] 53, 34). — **IV, 1490.**  
 4) **Monacetyl derivat d. Base C<sub>22</sub>H<sub>16</sub>N<sub>4</sub> (aus Apoaeafrauin u. α,β-Diamidoithau).** (B. 30, 2492). — **IV, 1279.**  
**C<sub>22</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>** C 77,6 — H 4,7 — O 9,4 — N 8,2 — M. G. 340.  
 1) **2-[4-Nitrobenzyliden]amidodiphenylmethan.** Sm. 105° (B. 27, 2787).  
 2) **2,4-Di[Furalamido]biphenyl.** Sm. 137° (B. 22, 2013). — **IV, 960.**  
 3) **4,4'-Di[Furalamido]biphenyl.** Sm. 231—232°. 2HCl, (2HCl, PtCl<sub>4</sub>) (B. 30, 2014, 2302; A. 201, 361). — **IV, 967.**  
 4) **1-Naphthoyl-1-Naphthylamidoxim.** Sm. 228° (B. 20, 224). — **II, 1446.**  
 5) **Monophenylhydrazon d. 3-Oxy-2-Phenyl-1,4-Naphtochinon.** Sm. 200° u. Zera. (A. 206, 21). — **IV, 795.**  
 6) **Di[2-Oxy-1-Naphthyliden]hydrazin.** Sm. noch nicht bei 290° (B. 32, 286).  
 7) **Veratrylphenanthrazin.** Sm. 255° (Bl. [3] 17, 818).  
 8) **Oxazoniumbase (aus Isorosindulin).** Sm. 164° u. Zera. Chlorid, 2 Chlorid + PtCl<sub>4</sub> (A. 290, 282). — **IV, 1056.**  
 9) **isom. Oxazoniumbase (aus Isorosindulin).** Sm. 164° u. Zers. (A. 290, 284). — **IV, 1057.**  
 10) **1,3,5-Triphenylpyrazol-4-Carbonsäure.** Sm. 238° (J. pr. [2] 58, 153).  
 11) **1,4,5-Triphenylpyrazol-3-Carbonsäure.** Sm. 245° u. Zers. (B. 26, 1888). — **IV, 1036.**  
 12) **Anhydrid d. β-Amidonaphthalin-2-Carbonsäure.** Sm. 174° (B. 5, 1020). — **II, 1459.**  
 13) **Acetat d. 2-Oxy-1,2'-Azonaphthalin.** Sm. 117° (Soc. 65, 836). — **IV, 1438.**  
 14) **1,1-Dinaphthylamid d. Oxalsäure.** Sm. 234° (A. 108, 228; B. 30, 771). — **II, 611.**  
 15) **2,2-Dinaphthylamid d. Oxalsäure.** Sm. 276° (B. 25, 3267; 30, 771). — **II, 620.**  
**C<sub>22</sub>H<sub>16</sub>O<sub>2</sub>N<sub>4</sub>** C 71,7 — H 4,3 — O 8,7 — N 15,2 — M. G. 368.  
 1) **2,4-Di[Phenylazo]-1,3-Dioxynaphthalin.** Sm. 225° u. Zers. (B. 22, 3166). — **IV, 1450.**  
 2) **Benzolazoresorcinazonaphthalin.** Sm. 156° (B. 15, 28). — **IV, 1445.**  
 3) **Dihydrodiphenyldioxantetrazin.** Na<sub>2</sub> + 4H<sub>2</sub>O (PINNER, Imidoäther 295). — **IV, 1305.**

- C<sub>11</sub>H<sub>16</sub>O<sub>2</sub>N<sub>4</sub>** 4) Phenylimid d. 2-Phenylimido-5-Methyl-2,3-Dihydrobenzimidazol-1,3-Dicarbonsäure. Sm. 234° (B. 24, 2517). — IV, 623.  
 5) Phenylimid d. 2-[4-Methylphenyl]imido-2,3-Dihydrobenzimidazol-1,3-Dicarbonsäure. Sm. 254° (B. 24, 2513). — IV, 567.
- C<sub>11</sub>H<sub>16</sub>O<sub>2</sub>N<sub>4</sub>** 1) ?-Di-6-Cyan-3-Methylphenylazo]-1,3-Dioxyazobenzol. Sm. 287° u. Zers. (B. 26, 551). — IV, 1466.  
 2) 1,4-Di[3-Oxy-1-Phenyl-1,2,4-Triazolyl-5-]benzol. Sm. noch nicht bei 340°. Ag<sub>2</sub> +  $\gamma$ -H<sub>2</sub>O (Soc. 71, 217). — IV, 1331.
- C<sub>11</sub>H<sub>16</sub>O<sub>2</sub>Br<sub>4</sub>** 1) Verbindung (aus  $\alpha\beta$ -Dibenzoylstyrol) = (C<sub>11</sub>H<sub>16</sub>O<sub>2</sub>Br<sub>4</sub>)<sup>2</sup> (B. 18, 189; Soc. 57, 711). — III, 308.
- C<sub>11</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>** C 74,1 — H 4,5 — O 13,5 — N 7,9 — M. G. 356.  
 1) Gelbes Hydrocyansalid. Sm. 165,5° (A. 136, 170; J. pr. [2] 58, 125). — III, 75.  
 2) Braunes Hydrocyansalid (A. 136, 172). — III, 75.
- C<sub>11</sub>H<sub>16</sub>O<sub>4</sub>N<sub>2</sub>** C 71,0 — H 4,3 — O 17,2 — N 7,5 — M. G. 372.  
 1) Diacetat d.  $\alpha$ -Dioxy-2,3'-Bichinolyl. Sm. 169—170° (M. 7, 322). — IV, 1068.  
 2) Diacetat d.  $\beta$ -Dioxy-2,3'-Bichinolyl. Sm. 216° (M. 7, 325). — IV, 1068.  
 3) Diacetyl derivat d. Base C<sub>11</sub>H<sub>16</sub>O<sub>4</sub>N<sub>2</sub> (aus Triphendioxazin). Sm. 205° (B. 23, 187). — IV, 1078.  
 4) Nitril d. Diacetyl-s-Phenylketipinsäure. Sm. 177—179°. + C<sub>2</sub>H<sub>6</sub>O (A. 282, 52). — II, 2032.
- C<sub>11</sub>H<sub>16</sub>O<sub>4</sub>N<sub>4</sub>** C 66,0 — H 4,0 — O 16,0 — N 14,0 — M. G. 400.  
 1) Phenylhydrazinderivat (d. Säure C<sub>11</sub>H<sub>16</sub>O<sub>4</sub> aus Malonsäure). Sm. 180° u. Zers. (B. 19, 2031). — I, 649.
- C<sub>11</sub>H<sub>16</sub>O<sub>4</sub>Br<sub>2</sub>** 1)  $\alpha$ , $\beta$ -Lakton d.  $\alpha$ -Oxy-3',3'-Dibrom-4',4'-Dimethoxytriphenylmethan-2'-Carbonsäure (Dimethylläther d. Dibromphenoiphalein). Sm. 160—161° (G. 26 [1] 230; 27 [2] 68).  
 2)  $\alpha$ , $\beta$ -Lakton d.  $\alpha\alpha$ -Di-P-Brom-2-Oxyphenyl- $\alpha$ -Phenylmethan-2'-Carbonsäure (Dibrom-o-Kresolphalein). Sm. 255° (A. 202, 158). — II, 1987.
- C<sub>11</sub>H<sub>16</sub>O<sub>4</sub>Br<sub>4</sub>** 1) Aethylester d. P-Tetraacetyl-4',4'-Dioxytriphenylmethan-2'-Carbonsäure. Sm. 163° (B. 30, 176).
- C<sub>11</sub>H<sub>16</sub>O<sub>5</sub>N<sub>2</sub>** C 68,0 — H 4,1 — O 20,6 — N 7,2 — M. G. 388.  
 1) Verbindung (aus Acetessiger u. Anthranilsäure). Sm. 335° u. Zers. Na<sub>2</sub> + 6H<sub>2</sub>O (B. 27, 1398). — II, 1252.
- C<sub>11</sub>H<sub>16</sub>O<sub>5</sub>Br<sub>2</sub>** 1) 3,4-Methylenäther-1-Acetat d.  $\alpha\beta$ -Dibrom- $\gamma$ -Keto- $\gamma$ -[1-Oxy-2-Naphtyl]- $\alpha$ -[3,4-Dioxyphenyl]propan. Sm. 160° u. Zers. (B. 31, 708).
- C<sub>11</sub>H<sub>16</sub>O<sub>6</sub>N<sub>2</sub>** C 65,3 — H 4,0 — O 23,7 — N 6,9 — M. G. 404.  
 1) Lakton d.  $\alpha$ -Oxy- $\alpha'$ -Phenyl- $\alpha\alpha$ -Di-P-Nitro-4-Methylphenyl]methan- $\alpha$ ',2-Carbonsäure. Sm. 132° (A. 299, 292).  
 2) Dibenzoat d. 1,3-Phtalhydroxamsäure. Sm. 162°. K<sub>2</sub> (A. 281, 227). — II, 1827.  
 3) Dibenzoat d. 1,4-Phtalhydroxamsäure. Sm. 198°. K<sub>2</sub> (A. 281, 229). — II, 1833.
- C<sub>11</sub>H<sub>16</sub>O<sub>6</sub>Cl<sub>2</sub>** 1) Verbindung (aus d. Oxyd C<sub>11</sub>H<sub>20</sub>O<sub>2</sub>Cl<sub>2</sub>). Sm. 164° (Am. 17, 642). — III, 351.
- C<sub>11</sub>H<sub>16</sub>O<sub>6</sub>Cl<sub>2</sub>** 1) Verbindung (aus d. Dibenzoat d. 3,6-Dichlor-2,5-Dimethoxy-1,4-Benzochinondimethylhemiacetal). Sm. 205—206° (Am. 17, 645; 20, 404; B. 30, 527). — III, 350.
- C<sub>11</sub>H<sub>16</sub>O<sub>8</sub>N<sub>2</sub>** C 60,6 — H 3,7 — O 29,3 — N 6,4 — M. G. 436.  
 1) Dinitro-o-Kresolphalein. Sm. 250° (A. 202, 163). — II, 1987.  
 2) Dimethylläther d. Dinitrophophalein. Sm. 130—132° (G. 26 [1] 271).  
 3) Di[4-Nitrobenzylester] d. Benzol-1,2-Dicarbonsäure. Sm. 154—155° (B. 30, 782).
- C<sub>11</sub>H<sub>16</sub>O<sub>8</sub>Br<sub>2</sub>** 1) Triacetat d. Dibrombrasilein +  $\gamma$ -H<sub>2</sub>O (B. 23, 1429). — III, 655.
- C<sub>11</sub>H<sub>16</sub>O<sub>8</sub>N<sub>2</sub>** C 56,4 — H 3,4 — O 34,2 — N 6,0 — M. G. 468.  
 1) Verbindung (aus Diamidophenolphaleindimethyläther) (G. 26 [1] 274).
- C<sub>11</sub>H<sub>16</sub>NJ** 1) Jodmethylat d. Iso- $\beta$ -Naphtoakridin. Zers. bei 262—264° (Soc. 73, 548).
- C<sub>11</sub>H<sub>16</sub>N<sub>3</sub>Cl** 1) 12-Chlorphenylat d. 9-Amido- $\alpha\beta$ -Naphtophenazin. 2 + PtCl<sub>6</sub> (B. 31, 3101).

- $C_{22}H_{14}N_2Cl$  2) **7-Chlorphenylat d. 10-Amido- $\alpha\beta$ -Naphtophenazin.** 2 + PtCl<sub>4</sub> (B. 30, 2640). — IV, 1201.  
 3) **12-Chlorphenylat d. 10-Amido- $\alpha\beta$ -Naphtophenazin (Isorosindulinchlorid).** 2 + PtCl<sub>4</sub> (B. 30, 2632). — IV, 1201.
- $C_{22}H_{14}N_2Br$  1) **12-Bromphenylat d. 9-Amido- $\alpha\beta$ -Naphtophenazin (B. 31, 3100).**
- $C_{22}H_{14}N_4S$  1) **2,5-Di[1-Naphtylamido]-1,3,4-Thiodiazol.** Sm. 136°. + C<sub>2</sub>H<sub>6</sub>O (Sm. 104°). (2HCl, PtCl<sub>4</sub>). Pikrat, + AgNO<sub>3</sub> (B. 23, 359). — IV, 1237.  
 2) **2,5-Di[2-Naphtylamido]-1,3,4-Thiodiazol.** Sm. 110–117°. (2HCl, PtCl<sub>4</sub>). Pikrat, + AgNO<sub>3</sub> (B. 23, 362). — IV, 1237.
- $C_{22}H_{17}ON$  C 84.9 – H 5.5 – O 5.1 – N 4.5 – M. G. 311.  
 1)  **$\alpha\beta$ -Dibenzoylestyrolimid.** Sm. bei 180° (Soc. 57, 719; 71, 1140). — III, 308.  
 2) **3-[4-Methylphenyl]imido-1-Keto-2-Phenyl-2,3-Dihydroinden.** Sm. 244° (B. 30, 3142).  
 3) **2,5-Diphenyl-1-[2-Oxyphenyl]pyrrol.** Sm. 175–176° (B. 22, 3094). — IV, 438.  
 4) **2-Keto-1,4,5-Triphenyl-2,3-Dihydropyrrol.** Sm. 189–190° (A. 269, 141). — IV, 443.  
 5) **2-Keto-3,3,5-Triphenyl-2,3-Dihydropyrrol.** Sm. 221° (Soc. 57, 693). — IV, 474.  
 6) **1,1-Dinaphtylamid d. Essigsäure.** Sm. 217° (B. 16, 20). — II, 607.  
 7) **1,2-Dinaphtylamid d. Essigsäure.** Sm. 124–125° (B. 16, 19). — II, 616.  
 8) **2,2-Dinaphtylamid d. Essigsäure.** Sm. 114–115° (B. 16, 20). — II, 616.  
 9) **Verbindung (aus  $\alpha\alpha$ -Diphenyl- $\beta$ -Benzoylpropionsäure).** Sm. 142–143° (Soc. 57, 684). — II, 127.
- $C_{22}H_{17}ON_3$  C 77.9 – H 5.0 – O 4.7 – N 12.4 – M. G. 339.  
 1) **4-[2-Oxy-1-Naphtyl]azo-1-Phenylamidobenzol.** Sm. 164–165° (B. 31, 1516). — IV, 1431.  
 2) **Acetylamido- $\beta$ -Asonaphthalin.** Sm. 218° (B. 18, 2422). — IV, 1391.  
 3)  **$\alpha\beta$ -Diphenyl- $\alpha$ -[2-Chinolyl]harnstoff.** Sm. 150° (B. 23, 276). — IV, 909.  
 4) **6-Acetylamido-2,3-Diphenyl-1,4-Benzodiazin.** Sm. 252° (A. 292, 255). — IV, 1213.  
 5) **5-Phenylamido-6-Oxy-5,6-Dihydro- $\alpha\beta$ -Naphtophenazin.** Sm. 204 bis 205° (B. 26, 621). — IV, 1053.  
 6) **7-Phenoxyhydrat d. 10-Amido- $\alpha\beta$ -Naphtophenazin.** Chlorid, Jodid, Nitrat + H<sub>2</sub>O (B. 30, 2640). — IV, 1201.  
 7) **Rosindulinhydrat.** Sm. 185–187°. Carbonat (A. 290, 268). — IV, 1205.  
 8) **Isorosindulinhydrat.** Chlorid, 2 Chlorid + PtCl<sub>4</sub>, Nitrat (A. 290, 275).  
 9) **Base (aus Benzolazo- $\beta$ -Phenylnaphthylamin).** Chlorid, (2 Chlorid + PtCl<sub>4</sub>), Nitrat, Sulfat, Bichromat, Pikrat (B. 20, 1174). — IV, 1397.  
 10) **Verbindung (aus Benzenylamidin u. 2 Oxy-1-Methylbenzol-3-Carbonsäure-äthylester).** Sm. 214° (B. 23, 2939). — IV, 848.  
 11) **Verbindung (aus Benzenylamidin u. 4-Oxy-1-Methylbenzol-3-Carbonsäure-äthylester).** Sm. 202° (B. 23, 2939). — IV, 848.  
 12) **Verbindung (aus Benzenylamidin u. 3-Oxy-1-Methylbenzol-4-Carbonsäure-äthylester).** Sm. 235° (B. 23, 2939). — IV, 848.  
 C 80.7 – H 5.2 – O 9.8 – N 4.3 – M. G. 327.
- $C_{22}H_{17}O_2N$  1) **2-Phenylamido-1,3-Diketo-5-Methyl-2-Phenyl-2,3-Dihydroinden.** Sm. 163° (B. 28, 2380).  
 2) **2-Phenylamido-1,3-Diketo-2-[3-Methylphenyl]-2,3-Dihydroinden.** Sm. 171° (B. 28, 1390). — III, 303.  
 3) **2-Diphenylamido-1,4-Naptochonon.** Sm. 164° (Soc. 37, 612). — III, 376.  
 4) **Diacetylamidochrysen.** Sm. 206–208° (B. 24, 951). — II, 643.  
 5) **4-Oxy-2-Keto-3,3,5-Triphenyl-2,3-Dihydropyrrol.** Sm. 168° (Soc. 71, 1147).  
 6) **2,5-Dicinnamylpyrrol.** Sm. 238–240° (B. 17, 2954). — IV, 102.  
 7)  **$\gamma$ -Oximido- $\alpha\gamma$ -Triphenylbuttersäure.** Sm. 150–152° u. Zers. (Soc. 57, 683). — II, 1726.  
 8) **2-Methyl-5-Phenyl-1-[1-Naphtyl]pyrrol-3-Carbonsäure.** Sm. 244° (B. 18, 2598). — IV, 357.

- C<sub>22</sub>H<sub>17</sub>O<sub>2</sub>N** 9) **2-Methyl-5-Phenyl-1-[2-Naphtyl]pyrrol-3-Carbonsäure.** Sm. 249° (B. 18, 2590). — IV, 357.
- 10) **Methylester d. 2,2-Dinaphthylamidoacameisensäure.** Sm. 113—114° (B. 20, 2620). — II, 617.
- 11) **Aethylester d. 2-Phenyl- $\alpha$ -Naphtochinolin-4-Carbonsäure.** Sm. 103° (A. 249, 114). — IV, 471.
- 12) **Phenylimid d.  $\alpha\beta$ -Diphenyläthan- $\alpha\beta$ -Dicarbonsäure.** Sm. 230—231° (A. 259, 93). — II, 1890.
- C<sub>22</sub>H<sub>17</sub>O<sub>2</sub>N<sub>3</sub>**, C 74,4 — H 4,8 — O 9,0 — N 11,8 — M. G. 355.
- 1) **2-Benzoyl-7-Benzoylamido-5-Methylindazol.** Sm. 186—187° (B. 29, 308). — IV, 1151.
- 2) **Oxim d. Oxazoniumbase C<sub>22</sub>H<sub>16</sub>O<sub>2</sub>N<sub>3</sub> (aus Isorosindulin) (A. 290, 285).** — IV, 1057.
- 3) **Benzoot d. 3-Oxy-1-Phenyl-5-[3-Methylphenyl]-1,2,4-Triazol.** Sm. 117° (Soc. 71, 214). — IV, 1161.
- 4) **Benzoot d. 3-Oxy-5-Phenyl-1-[4-Methylphenyl]-1,2,4-Triazol.** Sm. 132° (Soc. 73, 370). — IV, 1158.
- 5)  **$\beta$ -Phenylhydrazon- $\beta$ -Phenyläthylimid d. Benzol-1,2-Dicarbonsäure (Phenacylphthalimidphenylhydrazon).** Sm. bei 155° u. Zers. (B. 21, 2086). — IV, 771.
- C<sub>22</sub>H<sub>17</sub>O<sub>2</sub>N<sub>3</sub>**, C 68,9 — H 4,4 — O 8,4 — N 18,3 — M. G. 383.
- 1) **3,4-Di[2-Oxybenzylidenamido]-1-Phenyl-1,2,5-Triazol.** Sm. 210° (A. 295, 146). — IV, 1314.
- 2) **3,4-Di[Benzoylamido]-1-Phenyl-1,2,5-Triazol.** Sm. 242° (A. 295, 149). — IV, 1314.
- 3) **Benzoot d. 3-Amidooximidomethyl-1,5-Diphenyl-1,2,4-Triazol.** Sm. 179—179,5° u. Zers. (B. 22, 1754). — IV, 1164.
- C<sub>22</sub>H<sub>17</sub>O<sub>2</sub>N**, C 76,9 — H 5,0 — O 14,0 — N 4,1 — M. G. 343.
- 1) **Phenylamidoformiat d.  $\alpha$ -Oxy- $\gamma$ -Keto- $\alpha\gamma$ -Diphenylpropen.** Sm. 181° (C. 1887 [2] 261).
- C<sub>22</sub>H<sub>17</sub>O<sub>2</sub>N<sub>3</sub>**, C 71,1 — H 4,6 — O 12,9 — N 11,3 — M. G. 371.
- 1) **Acetat d. 6-Phenylazo-5-Oxy-3-Methyl-1-Phenylbenzoxazol.** Sm. 182—183° (M. 19, 502). — IV, 1448.
- C<sub>22</sub>H<sub>17</sub>O<sub>2</sub>N<sub>3</sub>**, C 66,2 — H 4,3 — O 12,0 — N 17,5 — M. G. 399.
- 1) **7-[4-Amidophenoxyhydrat] d. 10-Nitro-5-Amido- $\alpha\beta$ -Naphto-phenasin (B. 31, 3085).**
- C<sub>22</sub>H<sub>17</sub>O<sub>2</sub>N**, C 73,5 — H 4,7 — O 17,8 — N 3,9 — M. G. 359.
- 1) **1-Acetyl-2-Keto-3,3-Di[ $\beta$ -Oxyphenyl]-2,3-Dihydroindol (Acetyl-phenoisatin).** Sm. 185° (B. 18, 2642). — II, 1618.
- 2)  **$\alpha$ -Benzoot d. 4-Methylbenzoylbenzhydroxamsäure.** Sm. 131,5° (A. 281, 277). — II, 1345.
- 3)  **$\beta$ -Benzoot d. 4-Methylbenzoylbenzhydroxamsäure.** Sm. 104° (A. 281, 277). — II, 1345.
- 4) **Benzoylphenylmethylmonamid d. Benzol-1,2-Dicarbonsäure (Desylphthalidsäure).** Sm. 168°. HCl (B. 23, 995). — III, 221.
- C<sub>22</sub>H<sub>17</sub>O<sub>2</sub>N**, C 70,4 — H 4,5 — O 21,3 — N 3,7 — M. G. 375.
- 1) **Benzoot d. Benzoyl-4-Methoxybenzhydroxamsäure.**  $\alpha$ -Modif. Sm. 137—137,5°;  $\beta$ -Modif. Sm. 109,5—110,5° (A. 186, 25). — II, 1534.
- 2) **Benzoot d. 4-Methoxybenzoylbenzhydroxamsäure.**  $\alpha$ -Modif. Sm. 110—110,5°;  $\beta$ -Modif. Sm. 109—110° (A. 186, 21). — II, 1534.
- 3) **4-Methoxybenzoot d. Benzoylbenzhydroxamsäure.**  $\alpha$ -Modif. Sm. 113—114°;  $\beta$ -Modif. Sm. 124—125°;  $\gamma$ -Modif. Sm. 110° (A. 186, 8). — II, 1534.
- C<sub>22</sub>H<sub>17</sub>O<sub>2</sub>N**, C 67,5 — H 4,3 — O 24,6 — N 3,6 — M. G. 391.
- 1) **Aethylester d. Dibenzoylkomenaminsäure.** Sm. 101—102° (J. pr. [2] 29, 60). — IV, 158.
- C<sub>22</sub>H<sub>17</sub>O<sub>2</sub>N<sub>3</sub>**, C 60,7 — H 3,9 — O 25,7 — N 9,7 — M. G. 435.
- 1) **Aethylanthracenpikrat.** Sm. 120° (B. 14, 803). — II, 274.
- C<sub>22</sub>H<sub>17</sub>O<sub>2</sub>N<sub>5</sub>**, C 55,1 — H 3,6 — O 26,7 — N 14,6 — M. G. 479.
- 1) **P-Trinitro-1-[ $\alpha\beta$ -Di(Benzoylamido)äthyl]benzol.** Sm. 117° (B. 28, 426). — I, 641.
- C<sub>22</sub>H<sub>17</sub>O<sub>6</sub>Br<sub>3</sub>**, 1) **Triacetat d. Tribrombrasilin.** Sm. 147° (B. 22, 1552). — III, 654.
- C<sub>22</sub>H<sub>17</sub>O<sub>2</sub>N**, C 52,5 — H 3,4 — O 41,3 — N 2,8 — M. G. 503.
- 1) **Nitrographitoinsäure (B. 8, 547).** — II, 2021.

- C<sub>27</sub>H<sub>17</sub>N<sub>8</sub>** 1) Thio- $\beta$ -Dinaphyläthylamin. Sm. 212—213° (B. 23, 2462). — II, 869.  
**C<sub>27</sub>H<sub>17</sub>N<sub>4</sub>Cl** 1) 7-[4-Amidochlorphenyl] d. 5-Amido- $\alpha\beta$ -Naphtophenazin + 2H<sub>2</sub>O (B. 31, 3083).  
 2) 7-Chlorphenylat d. 5,9-Diamido- $\alpha\beta$ -Naphtophenazin + H<sub>2</sub>O (Naphtophenosafarin). 2 + PtCl<sub>4</sub> (B. 30, 1566). — IV, 1296.  
 3) 12-Chlorphenylat d. 5,9-Diamido- $\alpha\beta$ -Naphtophenazin. 2 + PtCl<sub>4</sub> (B. 31, 3105).  
 4) 7-Chlorphenylat d. 5,10-Diamido- $\alpha\beta$ -Naphtophenazin. 2 + PtCl<sub>4</sub> (B. 31, 3079).
- C<sub>22</sub>H<sub>19</sub>ON<sub>2</sub>** C 81,0 — H 5,5 — O 4,9 — N 8,6 — M. G. 326.  
 1) Benshydramid (Berz. J. 18, 352; J. 1850, 487). — III, 37.  
 2)  $\delta$ -Phenylhydrazon- $\alpha$ -Keto- $\alpha\delta$ -Diphenylbutan. Sm. 116° (A. 258, 237). — IV, 785.  
 3) 3-Phenylhydrazon-1-Keto-2-[3-Methylphenyl]-2,3-Dihydroinden. Sm. 167—168° (B. 28, 1388). — IV, 786.  
 4) 1-Phenylamido-2-Keto-4,5-Diphenyl-2,3-Dihydropyrrol. Sm. 110° (A. 269, 136). — IV, 698.  
 5) 3-Keto-2,4-Diphenyl-5-Benzyl-2,3-Dihydropyrazol. Sm. 231—232° (A. 298, 12). — IV, 1033.  
 6) 5-Keto-1,4-Diphenyl-3-Benzyl-4,5-Dihydropyrazol. Sm. 228° (J. pr. [2] 55, 355). — IV, 1033.  
 7) Aethyläther d. 6-Oxy-2,3-Diphenyl-1,4-Benzodiazin. Sm. 150° (B. 25, 494; C. 1895 [1] 854). — IV, 1079.  
 8) Phenylamid d.  $\gamma$ -Phenylimido- $\alpha$ -Phenylpropen- $\gamma$ -Carbonsäure. Sm. 225° (A. 242, 290). — IV, 445.  
 9) 1-Naphtylamid d. 1-Naphtylamidoessigsäure. Sm. 160° (B. 25, 2295). — II, 613.  
 10) 2-Naphtylamid d. 2-Naphtylamidoessigsäure. Sm. 173° (170°) (B. 14, 60; 31, 251). — II, 621.  
 11) Phenylhydrazerivat (aus  $\beta$ -Benzoyl- $\alpha$ -Phenylpropionsäure). Sm. 123,5° (122—123°) (A. 284, 6; B. 28, 963). — IV, 698.
- C<sub>22</sub>H<sub>18</sub>ON<sub>4</sub>** C 74,6 — H 5,1 — O 4,5 — N 15,8 — M. G. 354.  
 1) 5-Keto-4-[2-Methylphenyl]azo-1,3-Diphenyl-4,5-Dihydropyrazol. Sm. 226° (B. 27, 785). — IV, 1490.  
 2) 5-Keto-4-[4-Methylphenyl]benzo-1,3-Diphenyl-4,5-Dihydropyrazol. Sm. 242° (B. 27, 785). — IV, 1490.  
 3) 5-[2-Amidophenyl]amido-6-Oxy-5,6-Dihydro- $\alpha\beta$ -Naphtophenazin. Sm. 200° (B. 26, 621). — IV, 1054.
- C<sub>22</sub>H<sub>18</sub>O<sub>2</sub>N<sub>2</sub>** C 77,2 — H 5,3 — O 9,3 — N 8,2 — M. G. 342.  
 1)  $\alpha\beta$ -Phtalylamido- $\alpha\beta$ -Diphenyläthan +  $\frac{1}{2}$ H<sub>2</sub>O. Sm. 213° u. Zers. (B. 22, 2300). — IV, 979.  
 2) 2,3-Dibenzoyl-1,2,3,4-Tetrahydro-2,3-Benzodiazin. Sm. 207—208° (B. 26, 2214). — IV, 852.  
 3) 5-Methyl-2-Phenyl-1-[4-Methylphenyl]benzimidazol-2<sup>o</sup>-Carbonsäure. Sm. 173° (B. 27, 2780). — IV, 618.  
 4) Acetat d.  $\alpha$ -Oximido- $\beta$ -Phenylimido- $\alpha\beta$ -Diphenyläthan. Sm. 135 bis 136° (B. 25, 2597). — III, 290.  
 5) Verbindung (aus Phtalidmethylphenylketon). Sm. 118—123° (M. 19, 443).  
 6) Verbindung (aus Phtalidmethylphenylketon). Sm. 170—200° (M. 19, 445).  

**C<sub>22</sub>H<sub>18</sub>O<sub>2</sub>N<sub>4</sub>** C 71,4 — H 4,9 — O 8,6 — N 15,1 — M. G. 370.  
 1)  $\beta$ -Phenylazo- $\beta$ -Acetylphenylhydrazon- $\alpha$ -Keto- $\alpha$ -Phenyläthan (Acetylformazylphenylketon). Sm. 154° (B. 26, 2788). — IV, 1230.  
 2) 1,4-Di[2-Oxy-1-Naphthylazo]benzol. Sm. oberh. 275° (Soc. 47, 664). — IV, 1434.  
 3)  $\alpha\beta$ -Di Phenylhydrazon- $\alpha\beta$ -Di[2-Furanyl]äthan (Furilosazon). Sm. 184° (A. 258, 226). — IV, 788.  
 4) Difuraldiphenylhydrotetraazon. Sm. 135—136° u. Zers. (G. 27 [2] 234). — IV, 1307.  
 5) Dehydrofuralphenylhydrazon. Sm. 155—156° (159—161°) (G. 27 [2] 234). — IV, 1307.  
 6) Diacetylphenosafarin. HCl, HJ (B. 16, 468; 29, 1872). — IV, 1284.  
 7) Di[Benzylidenhydrazid] d. Benzol-1,3-Dicarbonsäure. Sm. 241° (J. pr. [2] 54, 76).  
 8) Di[Benzylidenhydrazid] d. Benzol-1,4-Dicarbonsäure (J. pr. [2] 54, 83).

- C<sub>22</sub>H<sub>16</sub>O<sub>2</sub>N<sub>4</sub>** 9) Phenylhydrazon d. Verbindung C<sub>16</sub>H<sub>16</sub>O<sub>2</sub>N<sub>3</sub>. Sm. 168° (G. **22** [2] 190). — II, 978.  
10) Acetyl derivat d. Verbindung C<sub>20</sub>H<sub>16</sub>O<sub>2</sub>N<sub>4</sub>. Sm. 170° (B. **26**, 1182). — IV, 1225.
- C<sub>22</sub>H<sub>16</sub>O<sub>2</sub>S** 1) Dimethyläther d. Di[1-Oxynaphthyl]-P-Sulfid. Sm. 135° (B. **27**, 2545). — II, 985.  
2) Dimethyläther d. Di[2-Oxynaphthyl]-P-Sulfid (B. **27**, 2545). — II, 986.
- C<sub>22</sub>H<sub>16</sub>O<sub>2</sub>Se** 1) Dimethyläther d. Di[1-Oxynaphthyl]selenid. Sm. 138° (B. **30**, 2823).  
2) Dimethyläther d. Di[2-Oxynaphthyl]selenid. Sm. 162° (B. **30**, 2823).
- C<sub>22</sub>H<sub>16</sub>O<sub>4</sub>N<sub>2</sub>** 1) Diäthyläther d. 8,8'-Dioxy-6,6'-Bicincholyl-5,5'-Oxyd. Sm. 71,5°. 2HCl, (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O), + 2SnCl<sub>2</sub> (B. **22** [2] 104, 297; Bl. **51**, 169). — IV, 1078.
- C<sub>22</sub>H<sub>16</sub>O<sub>4</sub>N<sub>2</sub>** C 70,6 — H 4,8 — O 17,1 — N 7,5 — M. G. 374.  
1) Triacetylindoleucin. Sm. 277—278° (B. **17**, 980). — II, 1622.  
2) Dibenzooat d. 2-Oxy-3-Methylbenzylamidoxim. Sm. 164° (B. **24**, 3670). — II, 1546.  
3) Dibenzooat d. 6-Oxy-3-Methylbenzylamidoxim. Sm. 143° (B. **24**, 3664). — II, 1547.  
4) Phenylhydrazinderivat d. Brasilein + 3H<sub>2</sub>O (B. **23**, 1436). — III, 655.  
5) Verbindung (aus Salicylaldehyd). Sm. 143° (B. **6**, 341). — III, 75.
- C<sub>22</sub>H<sub>16</sub>O<sub>4</sub>N<sub>4</sub>** C 65,6 — H 4,5 — O 15,9 — N 13,9 — M. G. 402.  
1) Diacetat d. 2,4-Di[Phenylazo]-1,3-Dioxybenzol. Sm. 137—138° (B. **17**, 881; **25**, 1341). — IV, 1444.  
2) Diacetat d. 4,6-Di[Phenylazo]-1,3-Dioxybenzol. Sm. 183—184° (B. **15**, 2816). — IV, 1443.  
3) Dibenzooat d.  $\alpha$ -Phenylamido- $\beta$ -Amido- $\alpha$ - $\beta$ -Dioximidoäthan. Sm. 189° (B. **22**, 2956). — II, 1210.  
4)  $\alpha$ -Phenylhydrazen -  $\beta$ -Diphenylhydrazonäthan -  $\alpha$ - $\beta$ -Dicarbonsäure (Phenylizindioxyweinsäurediphenylhydrazen). Sm. bei 115° u. Zers. — IV, 730.
- C<sub>22</sub>H<sub>16</sub>O<sub>4</sub>Br<sub>2</sub>** 1) Dibrom-o-Kresolphthalinsäure. Sm. 236° (A. **202**, 170). — II, 1912.
- C<sub>22</sub>H<sub>16</sub>O<sub>5</sub>N<sub>2</sub>** C 67,7 — H 4,6 — O 20,5 — N 7,2 — M. G. 390.  
1) 2-Nitroporphyrinäther d.  $\beta$ -Dibenzoylamido- $\alpha$ -Oxyäthan. Sm. 121 bis 122° (J. pr. [2] **24**, 251). — II, 1160.
- C<sub>22</sub>H<sub>16</sub>O<sub>6</sub>N<sub>2</sub>** 2) Methylenecinchoxinsäure. Sm. 249°. subl. Na<sub>2</sub> + 10H<sub>2</sub>O, K<sub>2</sub> + 3H<sub>2</sub>O, Ag (A. **270**, 351). — IV, 346.
- C<sub>22</sub>H<sub>16</sub>O<sub>6</sub>N<sub>2</sub>** C 65,0 — H 4,4 — O 23,6 — N 6,9 — M. G. 406.  
1) Diäthylester d. Indigodicarbonsäure (B. **18**, 951). — II, 1624.  
2) Phenylmonamid d. 2-[3,4-Dimethoxybenzoyl]pyridin-3,4-Dicarbonsäure (Anilpapaverinsäure). Anilinsalz (M. **13**, 700). — IV, 177.
- C<sub>22</sub>H<sub>16</sub>O<sub>6</sub>S** 1) Verbindung (aus Orcin u. 1-Methylbenzol-4-Carbonsäure-3-Sulfonsäure) (A. **16**, 524).
- C<sub>22</sub>H<sub>16</sub>O<sub>7</sub>N<sub>4</sub>** C 58,6 — H 4,0 — O 24,9 — N 12,4 — M. G. 450.  
1) 3-Nitrobenzozt d. 4-[3-Nitrobenzoyl]amido-2-Dimethylamido-1-Oxybenzol. Sm. 197° (B. **27**, 1632). — II, 1232.
- C<sub>22</sub>H<sub>16</sub>O<sub>8</sub>N<sub>6</sub>** C 55,2 — H 3,8 — O 23,4 — N 17,6 — M. G. 478.  
1) Dialloxyanil-2-Amidod[4-Methylphenyl]amin. Zers. bei 300° (B. **26**, 543). — IV, 616.
- C<sub>22</sub>H<sub>16</sub>O<sub>8</sub>N<sub>4</sub>** C 56,7 — H 3,8 — O 27,5 — N 12,0 — M. G. 466.  
1) Verbindung (aus d. Aethylester d. 3-Oxyindol-2-Carbonsäure). Sm. 173° u. Zers. (B. **15**, 782). — II, 1440.
- C<sub>22</sub>H<sub>16</sub>O<sub>10</sub>N<sub>2</sub>** C 56,2 — H 3,8 — O 34,0 — N 5,9 — M. G. 470.  
1) Verbindung (aus Azoopiansäure) (B. **19**, 353). — II, 1998.
- C<sub>22</sub>H<sub>16</sub>O<sub>11</sub>N<sub>4</sub>** C 51,4 — H 3,5 — O 34,2 — N 10,9 — M. G. 514.  
1) Verbindung (aus  $\alpha$ -Diketo- $\alpha$ -Phenylpentan). Sm. 210° (G. **22** [2] 328). — III, 272.
- C<sub>22</sub>H<sub>16</sub>O<sub>11</sub>Br<sub>3</sub>1)** Verbindung (aus Sacculminsäure) (B. **16**, 244; G. **12**, 292). — I, 1109.
- C<sub>22</sub>H<sub>16</sub>NCl** 1) Chlormethylat d. 2,3-Diphenylchinolin. 2 + PtCl<sub>4</sub> (J. pr. [2] **56**, 308).
- C<sub>22</sub>H<sub>16</sub>NJ** 1) Jodmethylat d. 2,3-Diphenylchinolin. Sm. 231° u. Zers. (J. pr. [2] **56**, 307).
- C<sub>22</sub>H<sub>16</sub>N<sub>2</sub>Br<sub>8</sub>1)** Oktobromdiäthyl-p-Tetrolditolyl (B. **14**, 936). — IV, 1035.

- C<sub>22</sub>H<sub>18</sub>N<sub>8</sub>S**
- 1-Naphylamido-1-Naphylimidomethylsulfid. Sm. 136°. (2 HCl, PtCl<sub>4</sub>), H.J. (B. 21, 964). — II, 610.
  - 2-Naphylamido-2-Naphylimidomethylsulfid. Sm. 110°. (2 HCl, PtCl<sub>4</sub>) (B. 21, 967). — II, 619.
  - Methyläther d. 2-Merkapto-1,4,5-Triphenylimidasol. Sm. 177° (A. 284, 30). — III, 224.
- C<sub>22</sub>H<sub>18</sub>N<sub>8</sub>Cl**
- 7-(4-Amidochlorophenyl) d. 5,10-Diamido- $\alpha\beta$ -Naphtophenasin (B. 31, 3086).
- C<sub>22</sub>H<sub>18</sub>ON**
- C 84,4 — H 6,1 — O 5,1 — N 4,5 — M.G. 313.
  - P-Dimethylamido-9-Oxy-10-Phenylanthracen (B. 27 [2] 664).
  - 5-Keto-2,4,4-Triphenyltetrahydropyrrol. Sm. 201° (Soc. 57, 695). — IV, 470.
  - 2-Keto-3,3-Di[ $\beta$ -Methylphenyl]-2,3-Dihydroindol (Toluisatin). Sm. 200—201° (B. 18, 2638). — II, 1618.
  - Benzyläther d. 3-Oxy-1-Benzylindol (B. d. Benzylxindol). Sm. 166° (H. 23, 25).
  - 1-Benzoyl-4-Phenyl-1,2,3,4-Tetrahydrochinolin. Sm. 147° (B. 28, 1043). — IV, 400.
  - 1-Benzoyl-8-Phenyl-1,2,3,4-Tetrahydrochinolin. Sm. 137° (A. 230, 23). — IV, 401.
  - Aldehyd d.  $\beta$ -Phenylbenzylamido- $\alpha$ -Keto- $\alpha$ -Phenyläthan- $\beta$ -Carbonsäure? Sm. 130° (B. 21, 1137). — III, 95.
- C<sub>22</sub>H<sub>18</sub>ON,**
- C 77,4 — H 5,6 — O 4,7 — N 12,3 — M.G. 341.
  - 5-Phenylacetylamido-2-Methyl-1-Phenylbenzimidasol. Sm. 180° (B. 25, 2721). — IV, 1150.
  - 6-Phenylacetylamido-2-Methyl-1-Phenylbensimidasol. Sm. 165° (A. 286, 179). — IV, 1150.
  - 1-Keto-2-Phenyl-4-(4-Dimethylamidophenyl)-1,2-Dihydro-2,3-Benzodiazin. Sm. 158° (Bl. [3] 19, 830; C. 1898 [1] 1296).
  - Nitril d.  $\alpha$ -Benzylidenamido- $\beta$ -Phenylamido- $\alpha$ -Oxy- $\beta$ -Phenylpropionsäure. Sm. 259° u. Zers. (B. 31, 2701).
  - Verbindung (aus Benzolketocarbonsäurealdehyd). Sm. 192—193° (B. 22, 2559). — III, 92.
- C<sub>22</sub>H<sub>18</sub>OCl**
- $\alpha$ -Chlor- $\gamma$ -Keto- $\alpha\beta$ -Triphenylbutan. Sm. 143° (M. 19, 420).
- C<sub>22</sub>H<sub>18</sub>O<sub>2</sub>N**
- C 80,2 — H 5,8 — O 9,7 — N 4,2 — M.G. 329.
  - 2-Dimethylamido-1,4-Dibenzoylbenzol? Sm. 55°; Sd. oberh. 360° (B. 19, 1901). — III, 305.
  - $\beta$ -Phenylacetylamido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan. Sm. 153° (155°) (J. pr. [2] 34, 9; B. 26, 1338). — III, 220.
  - $\alpha$ -Phenylbenzoylamidoäthylphenylketon. Sm. 103—104° (Bl. [3] 17, 73).
  - $\alpha$  [oder  $\delta$ ]-Oximido- $\delta$  [oder  $\alpha$ ]-Keto- $\alpha\beta$ -Triphenylbutan. Sm. 151° (Soc. 57, 650). — III, 307.
  - Lakton d.  $\alpha$ -Oxy- $\beta$ -Dimethylamidotriphenylmethan-2-Carbonsäure (Dimethylaminodiphenylphthalid). Sm. 119°. HCl (B. 27 [2] 664).
- C<sub>22</sub>H<sub>18</sub>O<sub>2</sub>N<sub>3</sub>**
- $\alpha$ -Cinnamylamido- $\alpha\beta$ -Diphenylharnstoff. Sm. 218—219° (B. 27, 1519). — IV, 676.
  - $\beta$ -Acetyl- $\alpha$ -2-Benzylidenamidobenzoyl- $\alpha$ -Phenylhydrazin. Sm. 175 bis 177° (A. 301, 90).
  - Acetat d.  $\alpha$ -Oximido- $\beta$ -Phenylhydrazon- $\alpha\beta$ -Diphenyläthan. Sm. 121 bis 122° (B. 26, 794). — IV, 785.
- C<sub>22</sub>H<sub>18</sub>O<sub>2</sub>N**
- C 76,6 — H 5,5 — O 13,9 — N 4,0 — M.G. 345.
  - 2-Keto-3,3-Di[ $\beta$ -Methoxyphenyl]-2,3-Dihydroindol (Anisulisinat). Sm. 65° (B. 18, 2642). — II, 1618.
  - Benzoylphenylmethylester d. 2-Methylphenylamidoameisensäure (o-Tolykarbamid d. Benzöin). Sm. 125° (B. 25, 1088). — III, 223.
  - Phenylmonamid d.  $\alpha\beta$ -Diphenyläthan- $\alpha\beta$ -Dicarbonsäure. Sm. 220° (A. 259, 93). — II, 1890.
  - Verbindung (Base aus Harn) (B. 25 [2] 915). C 70,8 — H 5,1 — O 12,9 — N 11,2 — M.G. 373.
  - Verbindung (aus d. Amid u. d. Aethylester d.  $\alpha$ -Cyan- $\beta$ -Phenyläkrylsäure). Sm. 187° (188°) (A. ch. [6] 29, 452; J. pr. [2] 45, 510). — II, 1417.
  - Verbindung (aus d. Acetat d. 6 Phenylazo-5-Oxy-3-Methyl-1-Phenylbenzoxazol). Sm. 184—185° (M. 19, 504). — IV, 1448.

- C<sub>22</sub>H<sub>19</sub>O<sub>4</sub>N** C 73,1 — H 5,3 — O 17,7 — N 3,9 — M. G. 361.  
 1) Benzoat d. Benzoyl-4-Methoxybenzylharnstoff. Sm. 64° (J. pr. [2] 56, 83).  
 2) Benzoat d.  $\beta$ -Lapachonoxim. Sm. 180—181° (G. 19, 615). — III, 401.  
 3) 4-Aethoxyphenylamid d. 2-Benzoxylbenzol-1-Carbonsäure. Sm. 136—137° (G. 28 [2] 201).  
 4) Phenyl-3-Aethoxyphenylmonamid d. Benzol-1,2-Dicarbonsäure. Sm. 90°. Ag (B. 31, 1332).  
 5) Phenyl-4-Aethoxyphenylmonamid d. Benzol-1,2-Dicarbonsäure. Sm. 80—82°. Ag (B. 31, 1330).  
 6) Phenyl-3-Oxyphenylmonamid d. Benzol-1,2-Dicarbonsäuremono-äthylester. Sm. 155—157° (B. 31, 1332).  
 7) Phenyl-4-Oxyphenylmonamid d. Benzol-1,2-Dicarbonsäuremono-äthylester. Sm. 166—168° (B. 31, 1330).
- C<sub>22</sub>H<sub>19</sub>O<sub>4</sub>N<sub>3</sub>** C 67,8 — H 4,9 — O 16,4 — N 10,8 — M. G. 389.  
 1) 2-Nitro-1,4-Di[Acetylphenylamido]benzol. Sm. 160° (B. 25, 2717). — IV, 589.  
 2) 2-Nitro-1,4-Di[Benzoylamidomethyl]benzol. Sm. 210,5—211° (B. 28, 2994). — IV, 644.  
 3) Triamid d.  $\alpha$ -Oxytriphenylmethan- $\alpha^1$ , $\alpha^2$ , $\alpha^3$ -Tricarbonsäure. Sm. 309° (A. 299, 299).  
**C<sub>22</sub>H<sub>19</sub>O<sub>4</sub>P** 1) Acethylesterdi-1-Naphtylester d. Phosphorsäure. Sm. 31—32° (B. 27, 2563).
- C<sub>22</sub>H<sub>19</sub>O<sub>5</sub>N<sub>3</sub>** C 65,2 — H 4,7 — O 19,7 — N 10,4 — M. G. 405.  
 1) Dibenzosat d. Dioximidotropinon. Sm. 172° u. Zers. (B. 30, 2704).
- C<sub>22</sub>H<sub>19</sub>O<sub>6</sub>N<sub>3</sub>** C 62,6 — H 4,5 — O 22,8 — N 10,0 — M. G. 421.  
 1) Pyrocatechuglykophenyltriazin. Sm. 115° u. Zers. (B. 27, 1986). — IV, 1579.  
 2) 6-Nitro-3,4-Dimethoxy-1-Diphenylhydrazonmethylbenzol-2-Carbonsäure. Sm. 217°. Ca + xH<sub>2</sub>O (B. 21, 2520). — IV, 717.  
 3) 2-( $\alpha$ -Phenylhydrazon-3,4-Dimethoxybenzyl)pyridin-3,4-Dicarbonsäure. Sm. 190° (M. 6, 973; Ph. Ch. 5, 418). — IV, 177.
- C<sub>22</sub>H<sub>19</sub>O<sub>5</sub>N** C 59,9 — H 4,3 — O 32,6 — N 3,2 — M. G. 441.  
 1) Acetylanhydroberberilsäure. Sm. 139—140° (Soc. 57, 1041). — III, 802.
- C<sub>22</sub>H<sub>19</sub>O<sub>10</sub>Cl<sub>2</sub>** 1) Triacetat d. Trichlorbarbaloin (C. 1898 [2] 582).
- C<sub>22</sub>H<sub>19</sub>O<sub>5</sub>NBr<sub>2</sub>** 1)  $\alpha$ -Dibrom- $\gamma$ -(Diphenylmethyl)imido- $\alpha$ -Phenylpropan. Zers. bei 170 bis 180° (B. 26, 2170). — III, 54.
- C<sub>22</sub>H<sub>19</sub>N<sub>2</sub>S<sub>2</sub>J** 1) Jodmethylat d. 1,3,5-Triphenylpyrazol. Sm. 176° u. Zers. (B. 21, 1207). — IV, 1028.
- C<sub>22</sub>H<sub>19</sub>N<sub>2</sub>S<sub>2</sub>** 1) 5-Phenylamido-2-[ $\beta$ -Phenyläthenyl]-3-Phenyl-2,3-Dihydro-1,3,4-Thiodiazol. HCl (B. 30, 854). — IV, 686.
- C<sub>22</sub>H<sub>20</sub>ON<sub>2</sub>** C 80,5 — H 6,1 — O 4,9 — N 8,5 — M. G. 328.  
 1)  $\alpha$ -[4-Dimethylamidophenyl]imido- $\beta$ -Keto- $\alpha$ -Diphenyläthan. Sm. 138 bis 139° (B. 25, 635). — IV, 598.  
 2)  $\alpha$ -[4-Methylphenyl]benzoylamido- $\alpha$ -Phenylimidoäthan. Sm. 96—97° (B. 28, 874).  
 3) Desy lacetophenonhydrasid. Sm. 168° (A. 289, 319). — III, 307.  
 4) Amarinformaldehyd. Sm. 145° (Bl. [3] 17, 864).  
 5) 2-2-Methylphenyl]amido-4,5-Diphenyl-4,5-Dihydrooxazol. Sm. 136 bis 138°. 2 + (2HCl, PtCl<sub>4</sub>) (B. 28, 1903).  
 6) Methyllapazin. Sm. bei 135° (Soc. 63, 1381). — IV, 622.  
 7) Methyllapeurhodon (Soc. 63, 1383). — IV, 622.  
 8) Tetrahydroanthronomonooacetyl dihydrochinonalin. Sm. 163—165° (A. 295, 220). — IV, 482.  
 9) Benzylidenamid d.  $\alpha$ -[4-Methylphenyl]amido- $\alpha$ -Phenylessigsäure. Sm. 197° (B. 29, 1734).  
 10) isom.  $\beta$ -Benzylidenhydrasid d.  $\alpha$ -[4-Methylphenyl]amido- $\alpha$ -Phenyl-essigsäure. Sm. 261° (B. 29, 1734).
- C<sub>22</sub>H<sub>20</sub>ON<sub>4</sub>** C 74,1 — H 5,6 — O 4,5 — N 15,7 — M. G. 356.  
 1) ?-Di[Phenylazo]-5-Oxy-1,2,3,4-Tetrahydronaphthalin. Sm. 156° (B. 31, 848). — IV, 1426.
- C<sub>22</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>** C 76,7 — H 5,8 — O 9,3 — N 8,1 — M. G. 344.  
 1) 1,3-Di[Acetylphenylamido]benzol. Sm. 163° (B. 16, 2797). — IV, 572.  
 2) 1,4-Di[Acetylphenylamido]benzol. Sm. 191,7° (B. 16, 2807). — IV, 585.

- $C_{12}H_{20}O_2N_2$  3) 1,4-Di[Formyl-2-Methylphenylamido]benzol. Sm. 165° (J. pr. [2] 34, 67). — IV, 588.  
 4)  $\alpha\beta$ -Di[Benzoylamido]äthylbenzol ( $\alpha\beta$ -Dibenzoylamidophenyläthan). Sm. 217° (83–84%) (B. 28, 426; O. 24 [2] 431). — IV, 641.  
 5) 1,2-Di[Benzoylamidomethyl]benzol. Sm. 184° (B. 28, 2213). — IV, 642.  
 6) 1,4-Di[Benzoylamidomethyl]benzol. Sm. 193–194° (B. 28, 2993). — IV, 644.  
 7) 1,2-Di[4-Methylbenzoylamido]benzol. Sm. 228° (A. 205, 114; 210, 330). — IV, 562.  
 8)  $\beta$ -Benzoylamido- $\alpha$ -Phenylbenzoylamidoäthan. Sm. 143,5° (147,5%) (B. 24, 2193; 28, 2935). — II, 1169.  
 9)  $\alpha$ -Benzoylamido- $\alpha$ -[2-Benzoylamidophenyl]äthan. Sm. 156–157° (B. 26, 1901). — IV, 640.  
 10) 2-Acetylamido-1-Benzoylphenylamidomethylbenzol. Sm. 164–165° (B. 23, 2194). — IV, 631.  
 11)  $\alpha\delta$ -Dioximido- $\alpha\beta\delta$ -Triphenylbutan. Sm. 215° u. Zerr. (Soc. 57, 651). — III, 307.  
 12)  $\alpha\beta$ -Diacetyl- $\alpha$ -Phenyl- $\beta$ -[4-Biphenyl]hydrazin. Sm. 202–203° (B. 21, 912). — IV, 1504.  
 13) Dimethyläther d. 5,6-Dioxy-2-Phenyl-1-Benzylbenzimidazol. HCl (Bl. [3] 17, 819).  
 14) Dimethyläther d. 1-[4-Oxybenzyl]-2-[4-Oxyphenyl]benzimidazol (Phenylanisalidehydin). Sm. 128,5–129°. HCl (B. 11, 1660). — IV, 564.  
 15) 2-Oxy-1-Methyl-4-Isopropyl-5-Phenylphenazon. Sm. 174–175° (B. 24, 590). — IV, 1018.  
 16) Lakton d.  $\alpha$ -Oxy- $\alpha'$ -Phenyl- $\alpha^2\alpha^3$ -Di[ $\beta$ -Amido-4-Methylphenyl]-methan- $\alpha$ -2-Carbonsäure. Sm. 192°. 2HCl,  $H_2SO_4$  (A. 299, 293).  
 17) Acetat d.  $\alpha$ -Phenyl- $\alpha$ -Benzyl- $\beta$ -[4-Oxybenzyliden]hydrazin. Sm. 141,5 bis 142° (O. 27 [2] 240). — IV, 812.  
 18) Di[Methylbenzylamid] d. Benzol-1,2-Dicarbonsäure. Sm. 177–177,5° (B. 30, 1443).  
 19) Benzylidenamid d.  $\alpha$ -[4-Methoxyphenyl]amido- $\alpha$ -Phenylsäure. Sm. 193° (B. 31, 2707).  
 20) isom. Benzylidenamid d.  $\alpha$ -[4-Methoxyphenyl]amido- $\alpha$ -Phenylsäure. Sm. 222° (B. 31, 2708).

- $C_{22}H_{20}O_4N_4$  C 71,0 — H 5,4 — O 8,6 — N 15,0 — M. G. 372.  
 1) Acetat d. 2,4-Di[4-Methylphenylazo]-1-Oxybenzol. Sm. 128° (B. 25, 1334). — IV, 1416.  
 2) Dimethylidchinizinoxyhydrobenzol (B. 17, 2056). — IV, 724.  

$C_{22}H_{20}O_5N_2$

 C 73,3 — H 5,6 — O 13,3 — N 7,8 — M. G. 360.  
 1) 3,5-Di[Phenylacetylamido]-1-Oxybenzol. Sm. 149–150° (O. 20, 347). — II, 724.  
 2) Aethyläther d. 3,4-Di[Benzoylamido]-1-Oxybenzol. Sm. 191–192°. — II, 1178.  
 3) 3-Methylather-4-Benzoylmethyläther d. 3,4-Dioxy-1-Phenylhydrzonmethylbenzol (Acetophenonvanillinphenylhydrazen). Sm. 161° (B. 27, 2464). — IV, 764.  
 4) Benzot d. 4-Benzoylamido-2-Dimethylamido-1-Oxybenzol. Sm. 213–214° (B. 27, 1932). — II, 1178.  
 5) 2-[2,4-Dimethylphenyl]amido-5-Benzoylamidobenzol-1-Carbonsäure. Sm. 264–265° (A. 279, 283). — II, 1274.  
 6)  $\alpha$ -Benzylidenamido- $\beta$ -Phenylamido- $\alpha$ -Oxy- $\beta$ -Phenylpropionsäure. Sm. 194° (B. 31, 2700).  
 7) Aethylester d.  $\beta$ -Acetyl- $\alpha\gamma$ -Di[2-Cyanphenyl]propan- $\beta$ -Carbonsäure. Sm. 120° (B. 22, 2018). — II, 1717.  
 8) Aethylester d. 4-[2-Oxybenzyliden]amidobiphenyl-4'-Amidoameisensäure. Sm. 170° (A. 258, 373). — IV, 968.  
 9) 4-Methoxybenzylidenamid d. Benzolcarbonsäure. Sm. 192° (A. 154, 82). — III, 86.  

$C_{22}H_{20}O_5N_4$

 C 68,9 — H 5,2 — O 12,4 — N 14,4 — M. G. 388.  
 1) Diphenylamid d. Phenylnitrosoamidobernsteinsäure. Sm. 190° u. Zerr. (A. 252, 168). — II, 437.

- $C_{21}H_{20}O_4N_2$  C 70,2 — H 5,3 — O 17,0 — N 7,5 — M. G. 376.  
 1) Dimethyläther d. Diamidophenolphalein (G. 26 [1] 272).  
 2) Opianylhydrazobenzol. Sm. 186—188° (B. 21, 2520). — IV. 1496.  
 3) 3,4-Dimethoxy-1-Diphenylhydrazone-methylbenzol-2-Carbonsäure  
   ( $\alpha$ -phenäurediphenylhydrazen). Sm. 171—172° (B. 21, 2519). — IV. 716.  
 4) 1,2-Di[Phenylamidomethyl]benzol-1',2'-Dicarbonsäure. Sm. 259 bis  
   260° (B. 31, 631).  
 5) Diäthylester d. 2,5-Diphenyl-1,4-Diazin-3,6-Dicarbonsäure. Sm.  
   104° (A. 291, 279).  
 6) 1,3-Phenylester d. 2-Methylphenylamidoameisensäure. Sm. 153  
   bis 154° (B. 25, 1088). — II. 918.  
 7) 1,4-Phenylester d. 2-Methylphenylamidoameisensäure. Sm. 206,5°  
   (B. 25, 1088). — II. 941.  
 8) Acetat d. 4-Acetylamido-3-Oxy-1-[ $\beta$ -Acetylaminophenyl]napthalin.  
   Sm. 252° (Soc. 55, 123). — II. 903.  
 9) Benzoat d.  $\alpha$ -Oxy- $\beta$ -Phenyl- $\alpha$ -[4-Methoxylbenzyl]harnstoff. Sm. 134°  
   (J. pr. [2] 56, 83).  
 10) Phenylamidoformiat d. Benzoyl-4-Methoxylbenzylhydroxylamin.  
   Sm. 92° (J. pr. [2] 56, 84).  
 11) Verbindung (aus Di[4-Methylphenylamido]bernsteinsäure). Zers. bei 222°  
   (B. 26, 1770). — II. 509.
- $C_{22}H_{20}O_4N_6$  C 61,1 — H 4,6 — O 14,8 — N 19,4 — M. G. 432.  
 1) Dimethylester d. 3,3'-Dimethyl-4,4'-BiphenylenediHydrazoncyan-  
   essigsäure. Sm. 270° u. Zers. (Bt. [3] 19, 1034). — IV. 1277, 1457.  
 2) Diäthylester d. 4,4'-BiphenylenediHydrazoncyanessigsäure. Sm.  
   204—206° (Bt. [3] 19, 1033). — IV. 1276, 1457.  
 3) Diacetat d.  $\alpha\beta$ -Di[3,6-Dibrom-4-Oxy-2,5-Dimethylphenyl]äthen.  
   Sm. 175° (A. 301, 273).  
 4) Diacetat d.  $\alpha\beta$ -Di[2,6-Dibrom-4-Oxy-3,5-Dimethylphenyl]äthen.  
   Sm. 244° (A. 302, 86).  
 5) Diacetat d. Verbindung  $C_{18}H_{18}O_2Br_2$ . Sm. 217—218° (A. 302, 92).  
 $C_{22}H_{20}O_5N_2$  C 67,3 — H 5,1 — O 20,4 — N 7,1 — M. G. 392.  
 1) 3,4-Methylenäther- $\beta$ -Dimethyläther d. Phenylhydrazone-3,4,2',4',6'-  
   Pentaoxydiphenylmethan. Sm. 211° (B. 24, 2085). — III. 209.  
 $C_{22}H_{20}O_6N_2$  C 64,7 — H 4,9 — O 23,5 — N 6,9 — M. G. 408.  
 1) Diacetat d.  $\beta$ -Diacytidylamido-9,10-Dioxypheanthren (B. 18, 2169).  
   — II. 1001.  
 $C_{22}H_{20}O_6S_1$  1) Benzoat d.  $\alpha\gamma$ -Di[Phenylsulfon]- $\beta$ -Oxypropan. Sm. 149—150° (B. 23,  
   758; A. 283, 192). — II. 1146.  
 $C_{22}H_{20}O_6N_2$  C 62,3 — H 4,7 — O 26,4 — N 6,6 — M. G. 424.  
 1) Verbindung (aus Indoxanthinsäureäthylester (B. 15, 776). — II. 1440.  
 $C_{22}H_{20}O_6N_2$  C 60,0 — H 4,5 — O 29,1 — N 6,4 — M. G. 440.  
 1) Phenylhydrazoneketongerbsäure (M. 10, 654). — IV. 732.  
 $C_{22}H_{20}O_6Br_2$  1) Tetracetat d.  $\alpha\beta$ -Di[ $\beta$ -Brom-2,4-Dioxophenyl]äthan. Sm. 215—220°  
   (J. pr. [2] 54, 417).  
 $C_{22}H_{20}O_6N_2$  C 55,9 — H 4,2 — O 33,9 — N 5,9 — M. G. 472.  
 1) Diäthylester d.  $\alpha\delta$ -Diketo- $\alpha\beta$ -Di[4-Nitrophenyl]butan- $\beta\gamma$ -Dicarbon-  
   säure. Sm. 180° (Soc. 49, 452). — II. 2033.  
 $C_{22}H_{20}O_6S_1$  1) Pentacylthydryd d. 1,2,3-Trioxobenzol- $\beta$ -Sulfonsäure (A. 178,  
   185). — II. 1016.  
 $C_{22}H_{20}N_2S_1$  1) Piperidylthiuramdisulfid. Sm. 130° (J. pr. [2] 36, 129). — IV. 13.  
 $C_{22}H_{20}N_3Cl$  1) 2-Chloräthylat d. 1,3,5-Triphenyl-1,2,4-Triazol. 2 + PtCl<sub>6</sub> (J. pr.  
   [2] 54, 157). — IV. 1187.  
 $C_{22}H_{20}N_3J$  1) 2-Jodäthylat d. 1,3,5-Triphenyl-1,2,4-Triazol. Sm. 145° (J. pr. [2]  
   54, 156). — IV. 1187.  
 $C_{22}H_{21}ON$  C 83,8 — H 6,7 — O 5,1 — N 4,4 — M. G. 315.  
 1)  $\gamma$ -[4-Methylphenylamido- $\alpha$ -Keto- $\gamma$ -Diphenylpropan. Sm. 166,5°  
   (172°) (B. 28, 964; 31, 353). — III. 228.  
 2)  $\alpha$ -[4-Oxybenzyliden]amidodi[4-Methylphenyl]methan. Sm. 187—188°  
   (B. 31, 1773).  
 3) Dibenzylidentropinon. Sm. 152°. HCl, H<sub>2</sub>CrO<sub>4</sub> +  $\frac{1}{2}$ H<sub>2</sub>O (B. 30, 734,  
   2717; 31, 1588, 1599 Anm.). — IV. 465.  
 4) Äthyläther d. 5-Phenylakridin-10-Methoxyhydrat. Sm. 111°  
   (108°) (A. 224, 20; B. 19, 427; 25, 1747; J. pr. [2] 45, 199). — IV. 467.

- C<sub>22</sub>H<sub>21</sub>ON**
- Benzyl-2,4-Dimethylphenylamid d. Benzolcarbonsäure. Sm. 85—86°; Sd. 240—245° (B. [3] 7, 51). — **II**, 1166.
- C<sub>22</sub>H<sub>21</sub>ON<sub>2</sub>**
- Acetylrosanilin. HCl (J. 1870, 768). — **II**, 1093.
  - Verbindung (aus d. 4-Dimethylamido-6-[2-Oxybenzyliden]amido-3'-Methyl-diphenylamin). Sm. 234—235° (Soc. 65, 885). — **IV**, 620.
- C<sub>22</sub>H<sub>21</sub>ON<sub>3</sub>**
- Phenylamid d.  $\alpha\beta$ -Di[Phenylhydrazon]buttersäure. Sm. 173—175° (B. 27, 1171). — **IV**, 706.
- C<sub>22</sub>H<sub>21</sub>O<sub>2</sub>N**
- P-Dimethylamidotriphenylmethan-2-Carbonsäure. Sm. 190° (B. 27 [2] 664).
  - Aethylester d.  $\alpha$ -Phenylamido- $\alpha\alpha$ -Diphenylessigäsäure. Sm. 114 bis 115° (B. 22, 1213). — **II**, 1465.
  - Verbindung (aus Isolauroonsäure, Brenztraubensäure u.  $\beta$ -Naphtylamin). Sm. 257—258° (C. 1897 [1] 763).
- C<sub>22</sub>H<sub>21</sub>O<sub>2</sub>N<sub>3</sub>**
- $\gamma\gamma$ -Di[Phenylamido]- $\beta$ -Methyl- $\alpha$ -[3-Nitrophenyl]propen. Sm. 170° (B. 19, 531). — **III**, 63.
  - Phenylidi[4-Methylphenyl]biuret. Sm. 140° (B. 21, 505). — **II**, 495.
  - $\alpha\beta$ -Diphenyl- $\alpha$ -[2-Acetylaminobenzyl]harnstoff. Sm. 145° (J. pr. [2] 55, 241). — **IV**, 633.
  - $\alpha$ -Phenylbenzylamido- $\alpha$ -Acetyl- $\beta$ -Phenylharnstoff. Sm. 145° (B. 27, 1519). — **IV**, 812.
  - P-Di[Acetylamido]triphenylamin. Sm. 268—269° u. Zers. (B. 23, 2539). — **IV**, 585.
  - 5-Keto-4-Phenyl-3-Benzyl-4,5-Dihydroisoxazol + Phenylhydrazin. Sm. 117—118° u. Zers. (A. 296, 8). — **IV**, 654.
  - Diphenylamid d. Phenylamidobernsteinsäure. Sm. 204—206° (179°) (A. 262, 168; G. 14, 474). — **II**, 437.
  - Diphenyldiamid d. Phenylimidodiacessigäsäure. Sm. 218° (B. 22, 1800). — **II**, 431.
  - Phenylbenzylamido d. 4-Methylphenylimidodiamoisäure(Phenylbenzyl-p-Tolylbiuret). Sm. 95—104° (B. 21, 505). — **II**, 526.
- C<sub>22</sub>H<sub>21</sub>O<sub>3</sub>N**
- 2-Opianylmethyl-6,8-Dimethylchinolin. Sm. 132°. (2HCl, PtCl<sub>4</sub>) (B. 20, 189). — **IV**, 451.
  - Diäthylester d. 2,5-Diphenylpyrrol-3,4-Dicarbonsäure. Sm. 151 bis 152° (A. 293, 107; R. 30, 1998). — **IV**, 452.
- C<sub>22</sub>H<sub>21</sub>O<sub>3</sub>N<sub>2</sub>**
- 3-Nitrobenzylidensantonin. Sm. 138° (G. 21 [2] 337). — **II**, 1787.
  - Benzoat d. Salicylcopolein (C. 1895 [1] 61).
- C<sub>22</sub>H<sub>21</sub>O<sub>3</sub>N<sub>3</sub>**
- Methyläther d. Gallocyanin + Anilin (B. 21, 1743). — **III**, 677.
- C<sub>22</sub>H<sub>21</sub>N<sub>2</sub>Cl**
- Chlormethylat d. 5 oder 6-Methyl-2-Phenyl-1-Benzylbenzimidazol. 2 + PtCl<sub>4</sub> (B. 11, 594). — **IV**, 619.
- C<sub>22</sub>H<sub>21</sub>N<sub>2</sub>J**
- Jodmethylat d. 5 oder 6-Methyl-2-Phenyl-1-Benzylbenzimidazol. Sm. 209° u. Zers. (B. 11, 594). — **IV**, 619.
  - Jodäthylat d. 2-Phenyl-1-Benzylbenzimidazol. Sm. 211—213° (B. 11, 1654). — **IV**, 563.
  - Dimethylmethylocyasan + H<sub>2</sub>O. Sm. 275—277° (wasserfrei) (R. 3, 342). — **IV**, 319.
- C<sub>22</sub>H<sub>21</sub>N<sub>3</sub>S<sub>2</sub>**
- Dimethyltritylthiobiuret. Sm. 202,5° (B. 21, 108). — **II**, 400.
- C<sub>22</sub>H<sub>21</sub>N<sub>3</sub>Cl<sub>2</sub>**
- $\alpha$ -Diazodiäthylphenosafraninchlorid (B. 16, 471). — **IV**, 1284.
  - $\beta$ -Diazodiäthylphenosafraninchlorid (B. 16, 471). — **IV**, 1284.
- C<sub>22</sub>H<sub>21</sub>ON<sub>2</sub>**
- Tribenzylharnstoff. Sm. 119—120° (B. 25, 1820). — **II**, 527.
  - Tri[4-Methylphenyl]harnstoff. Sm. 188—189° (B. 25, 1822). — **II**, 495.
  - $\alpha$ -Benzyl- $\alpha\beta$ -Di[4-Methylphenyl]harnstoff. Sm. 115° (B. 25, 1823). — **II**, 527.
  - $\alpha$ -Benzyl- $\beta\beta$ -Di[4-Methylphenyl]harnstoff. Sm. 136—137° (B. 25, 1822). — **II**, 526.
  - $\alpha$ -[4-Methylphenyl]- $\alpha\beta$ -Dibenzylharnstoff. Sm. 83—85° (B. 25, 1823). — **II**, 527.

- $C_{11}H_{11}ON$ , 6)  $\alpha$ -[4-Methylphenyl]- $\beta\beta$ -Dibenzylharnstoff. Sm. 168–169° (B. 25, 1820). — II, 527.  
 7) Methyläther d.  $\alpha$ -[4-Dimethylamidophenyl]imido-4-Oxydiphenylmethan. Sm. 116° (B. 26, 927). — IV, 598.  
 8) Methyläther d. 2-[4-Oxyphenyl]-1,3-Diphenyltetrahydroimidazol. Sm. 164° (B. 20, 733). — III, 85.  
 9) Aethyläther d. 2-Benzylidenamido-1-[4-Oxyphenylamido]methylbenzol. Sm. 137° (J. pr. [2] 52, 397). — IV, 634.  
 10) Aethyläther d. 2-Benzylidenamido-5-[4-Oxyphenyl]amido-1-Methylbenzol. Sm. 86–87° (A. 287, 167). — III, 32.  
 11) Verbindung (aus 4-Amido-1-Dimethylamidobenzol u. Benzoin). Sm. 126 bis 127° (B. 25, 639). — IV, 598.
- $C_{11}H_{11}ON_4$ , C 73,8 — H 6,1 — O 4,5 — N 15,6 — M. G. 358.  
 1) Aethyläther d.  $\alpha\beta$ -Di[Phenylhydrazen]- $\alpha$ -[4-Oxyphenyl]äthan. Sm. 155°. — IV, 764.  
 2) 3,5-Di[Phenylazo]-2-Oxy-4-Isopropyl-1-Methylbenzol. Sm. 126° (G. 15, 217). — IV, 1426.  
 3) 2,6-Di[Phenylazo]-3-Oxy-4-Isopropyl-1-Methylbenzol. Sm. 168° (G. 15, 55, 230). — IV, 1425.  
 4) Phenylhydrazid d.  $\gamma$ -Phenylhydrazen- $\gamma$ -Phenylbuttersäure. Sm. 195° (A. 299, 51). — IV, 697.
- $C_{11}H_{11}O_2N_3$ , C 76,3 — H 6,3 — O 9,2 — N 8,1 — M. G. 346.  
 1) 5'-Aethyläther d. 2-[2-Oxybenzylidenamido-5-[4-Oxyphenyl]amido-1-Methylbenzol. Sm. 124–125° (A. 287, 167). — III, 73.  
 2) 1'-Aethyläther d. 2-[2-Oxybenzylidenamido-1-[4-Oxyphenylamido]methylbenzol. Sm. 94° (J. pr. [2] 52, 397). — IV, 635.  
 3) Isobutyläther d. 5-Phenylamido-2-Oxy-1,4-Benzoquinonphenyl-imid. Sm. 138° (B. 18, 788). — III, 348.  
 4) Oxymethyldihydrolapeurhodon. Sm. 183,5–184,5° (Soc. 63, 1384). — IV, 622.
- $C_{11}H_{11}O_2N_4$ , C 70,6 — H 5,9 — O 8,5 — N 15,0 — M. G. 374.  
 1)  $\beta$ -Dioxy-1,4-Di[ $\alpha$ -Phenylhydrazenäthyl]benzol (Resodiacetophenon-phenylhydrazen). Sm. 231° (Bl. [3] 6, 153). — IV, 783.  
 2)  $\alpha\beta$ -Di[5-Keto-3-Methyl-1-Phenyl-4,5-Dihydro-4-Pyrasolyl]äthan (Aethylendimethoxychininin). Sm. noch nicht bei 250° (Soc. 57, 222). — IV, 723.  
 3) 5,5'-Dimethyläther d. 4,4'-Bi[5-Oxy-1-Phenyl-3-Methylpyrazol]. Sm. 186–187° (B. 28, 714). — IV, 1262.  
 4) 3,3'-Diketo-1,5,1',5'-Tetramethyl-2,2'-Diphenyl-2,3,2',3'-Tetrahydro-4,4'-Bipyrazol (Bisantripyrin). Sm. 245°. 2HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>2</sub>). Pikanat (B. 17, 2045; A. 238, 210). — IV, 1263.  
 5) 5,5'-Diketo-3,4,3',4'-Tetramethyl-1,1'-Diphenyl-4,5,4',5'-Tetrahydro-4,4'-Bipyrazol. Sm. 164° (B. 17, 2050; A. 238, 163, 174). — IV, 1265.  
 6) 5,5'-Diketo-3,3'-Dimethyl-1,1'-Di[4-Methylphenyl]-4,5,4',5'-Tetrahydro-4,4'-Bipyrazol (Soc. 58, 341). — IV, 807.  
 7) Di[Phenylhydrazid] d.  $\alpha$ -Phenyläthan- $\beta\beta$ -Dicarbonsäure. Sm. 242 bis 243° (Soc. 61, 796). — IV, 711.  
 8) Di[Cinnamylidenhydrasid] d. Aethan- $\alpha\beta$ -Dicarbonsäure. Sm. 239° (J. pr. [2] 51, 192). — III, 62.
- $C_{11}H_{11}O_2S$ , 1) Diphenyläther d.  $\alpha$ -[2-Methylphenyl]sulfon- $\beta\gamma$ -Dimerkaptopropan. Fl. (J. pr. [2] 56, 463).  
 2) Diphenyläther d.  $\alpha$ -[4-Methylphenyl]sulfon- $\beta\gamma$ -Dimerkaptopropan. Fl. (J. pr. [2] 56, 459).
- $C_{11}H_{11}O_2Se$ , 1) Diethyläther d. Di[1-Oxynaphthalyl]selenid. Sm. 149° (B. 30, 2824).
- $C_{11}H_{11}O_3N$ , C 72,9 — H 6,1 — O 13,3 — N 7,7 — M. G. 362.  
 1) 4-Methyläther- $\alpha$ -Benzyläther d.  $\alpha$ -Oxy- $\beta$ -Phenyl- $\alpha$ -[4-Oxybenzyl]harnstoff. Sm. 85° (J. pr. [2] 56, 82).  
 2) Aethyläther d. 4-Acetylamido-3-Oxy-1-[ $\alpha$ -Acetylaminodophenyl]naphthalin. Sm. oberh. 288° (Soc. 55, 604). — II, 903.
- $C_{11}H_{11}O_3N_4$ , C 67,7 — H 5,6 — O 12,3 — N 14,4 — M. G. 390.  
 1)  $\beta$ -Trioxo-1,4-Di[ $\alpha$ -Phenylhydrazenäthyl]benzol (Gallodiacetophenon-phenylhydrazen). Sm. 246° (Bl. [3] 6, 157). — IV, 783.

- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>N<sub>4</sub>** 2) **Aethylester d. Phenylisochinolinohydrobenzolcarbonsäure.** Sm. 211—212° (B. 17, 2055). — IV, 723.  
 3) **Amid d. 3-[2,4-Dimethylphenyl]imido-5-[2,4-Dimethylphenyl]-amido-2-Keto-6-Oxy-2,3-Dihydropyridin-4-Carbonsäure** (B. 27, 3450). — IV, 1140.  
 4) **Verbindung** (aus Diacetylumarsäurediäthylester). Sm. 138° (B. 30, 1994). — IV, 724.
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>N<sub>4</sub>** C 69,8 — H 5,8 — O 16,9 — N 7,4 — M. G. 378.  
 1) **4,5-Di[2,4,6-Trimethylbenzoyl]-1,2,3,6-Dioxiazin** (Dimesityldinitrosacyl). Sm. 141° (B. 28, 3211). — III, 302.
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>S<sub>2</sub>** **Dibenzoyldiphosphoranimid.** Sm. 299° (J. pr. [2] 55, 92).
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>S<sub>2</sub>** **Benzyläther d. Dibenzosulfonmerkaptonmethan.** Sm. 214° (B. 25, 356). — II, 1053.
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** C 67,0 — H 5,6 — O 20,3 — N 7,1 — M. G. 394.  
 1) **Anhydrid d. α-β-Di[4-Methylphenylacetyl]bernsteinsäure.** Sm. 232° u. Zers. (B. 26, 1770). — II, 509.
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>Br<sub>4</sub>** 1) **Diacetat d. Di[3,6-Dibrom-4-Oxy-2,5-Dimethylbenzyl]äther.** Sm. 216° (B. 28, 2918).  
 2) **Diacetat d. Di[2,6-Dibrom-4-Oxy-3,5-Dimethylbenzyl]äther.** Sm. 228—229° (A. 302, 90).
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>S<sub>2</sub>** 1) **βγ-Diphenylsulfon-α-[4-Methylphenyl]sulfonpropan.** Sm. 88,5° (J. pr. [2] 58, 460).
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** C 62,0 — H 5,1 — O 26,3 — N 6,6 — M. G. 426.  
 1) **Acetyl diphenylamid d. Diacetylweinsäure.** Sm. 216° (B. 24, 2960). — II, 422.
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** C 59,7 — H 5,0 — O 29,0 — N 6,3 — M. G. 447.  
 1) **Diäthylester d. α-Dinitro-α-Truxillsäure.** Sm. 138° (B. 24, 2590). — II, 1901.
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** C 57,6 — H 4,8 — O 31,4 — N 6,1 — M. G. 458.  
 1) **Nitroisonkarotin.** Sm. 205° u. Zers. (B. 29, 2042). — III, 922.
- C<sub>22</sub>H<sub>22</sub>N<sub>2</sub>J<sub>2</sub>** 1) **Dijodäthylylat d. 6,6'-Bichinolyl.** Sm. 270° (B. 17, 1819). — IV, 1069.
- C<sub>22</sub>H<sub>22</sub>N<sub>2</sub>S<sub>2</sub>** 1) **α-Phenyl-β-[βγ-Diphenyl-norm. Propyl]thioharnstoff.** Sm. 129° (B. 23, 2362). — II, 637.  
 2) **α-Phenyl-β-Diphenylmethyliothiobarnstoff.** Sm. 171° (B. 31, 1774).  
 3) **Dibenzylamidobenzylimidomerkaptonmethan.** Sm. 114,5—115,5° (Soc. 67, 557).  
 4) **Dibenzylamido-4-Methylphenylimidomerkaptonmethan.** Sm. 145 bis 146° (Soc. 67, 558).
- C<sub>22</sub>H<sub>22</sub>N<sub>2</sub>S** 1) **4,4'-Di[3,5-Dimethyl-1-Phenylpyrazolyl]sulfid.** Sm. 141° (G. 24 [1] 355). — IV, 781.
- C<sub>22</sub>H<sub>22</sub>N<sub>2</sub>S<sub>2</sub>** 1) **4,4'-Di[3,5-Dimethyl-1-Phenylpyrazolyl]disulfid.** Sm. 78—79° (G. 23 [2] 418). — IV, 781.
- C<sub>22</sub>H<sub>22</sub>N<sub>2</sub>S<sub>3</sub>** 1) **4,4'-Di[3,5-Dimethyl-1-Phenylpyrazolyl]trisulfid.** Sm. 141° (G. 24 [1] 363). — IV, 781.
- C<sub>22</sub>H<sub>22</sub>ON<sub>5</sub>** C 76,6 — H 6,7 — O 4,6 — N 12,2 — M. G. 345.  
 1) **4-Dimethylamido-6'-[2-Oxybenzyliden]amido-3'-Methyldiphenylamin.** Sm. 134° (Soc. 65, 883). — IV, 620.  
 C 70,8 — H 6,1 — O 4,3 — N 18,8 — M. G. 373.
- C<sub>22</sub>H<sub>22</sub>ON<sub>5</sub>** 1) **6-Dimethylamido-4-Oxy-3-Phenylazo-1-[2,4-Dimethylphenylazo]-benzol.** Sm. 142° (B. 31, 493). — IV, 1417.  
 2) **4-Dimethylamido-6-Oxy-3-Phenylazo-1-[2,4-Dimethylphenylazo]-benzol.** Sm. 161° (B. 31, 494). — IV, 1417.
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>N** C 79,3 — H 6,9 — O 9,6 — N 4,2 — M. G. 333.  
 1) **Verbindung + ½H<sub>2</sub>O** (aus Tropinon u. Benzaldehyd). Sm. 115° u. Zers. (B. 30, 2718).
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>N<sub>3</sub>** C 73,1 — H 6,4 — O 8,9 — N 11,6 — M. G. 361.  
 1) **4'-Nitro-4'-Dimethylamido-4'-Amido-2'-Methyltriphenylmethan.** Sm. 169° (B. 24, 553). — IV, 1045.  
 2) **4'-Nitro-4'-Dimethylamido-5'-Amido-2'-Methyltriphenylmethan.** Sm. 202° (B. 24, 3136). — IV, 1045.
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>N<sub>5</sub>** C 67,8 — H 5,9 — O 8,3 — N 18,0 — M. G. 389.  
 1) **Dibenzylamidokaffein.** Sm. 162° (B. 31, 1140).
- C<sub>22</sub>H<sub>22</sub>O<sub>4</sub>N** C 75,6 — H 6,6 — O 13,7 — N 4,0 — M. G. 349.  
 1) **Aethylcusparin.** Sm. 190—191° (C. 1895 [2] 826; B. 29 [2] 36).

- C<sub>22</sub>H<sub>23</sub>O<sub>5</sub>N** 2) **Aethylester d. 6-[4-Methylphenyl]amido-4-Keto-2-Phenyl-1,2,3,4-Tetrahydrobenzol-3-Carbonsäure.** Sm. 214° (A. 294, 278).
- C<sub>22</sub>H<sub>23</sub>O<sub>5</sub>N<sub>3</sub>** C 70,0 — H 6,1 — O 12,7 — N 11,1 — M. G. 377.
- 1) **Trimethyläther d. Tri[2-Oxyphenyl]guanidin.** (2HCl, PtCl<sub>4</sub>) (B. 21, 1862). — II, 705.
- C<sub>22</sub>H<sub>23</sub>O<sub>4</sub>N** C 72,3 — H 6,3 — O 17,5 — N 3,8 — M. G. 365.
- 1) **Gnoskopin.** Sm. bei 228°. HCl + 3H<sub>2</sub>O (J. 1878, 873; B. 26 [2] 593). — III, 922.
- 2) **Dehydrocorydalin** (oder C<sub>22</sub>H<sub>23</sub>O<sub>4</sub>N) + CHCl<sub>4</sub> (Sm. 154°). HCl + 4H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 6H<sub>2</sub>O), (HCl, AuCl<sub>3</sub>), HBr + 4H<sub>2</sub>O, (HBr + Br<sub>2</sub>, HJ + 2H<sub>2</sub>O, HNO<sub>3</sub> + 2H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + 3H<sub>2</sub>O (C. 1898 [2] 792; 1898 [2] 115; Soc. 71, 658). — III, 876.
- 3) **Dihäthylester d. 2,5-Dimethyl-1-[1-Naphthyl]pyrrol-3,4-Dicarbon-säure.** Sm. 91—92° (A. 236, 307). — IV, 92.
- 4) **Dihäthylester d. 2,5-Dimethyl-1-[2-Naphthyl]pyrrol-3,4-Dicarbon-säure.** Sm. 124° (B. 18, 304; A. 236, 306). — IV, 92.
- C<sub>22</sub>H<sub>23</sub>O<sub>5</sub>N** C 69,3 — H 6,0 — O 21,0 — N 3,7 — M. G. 381.
- 1) **Monoxim d.  $\gamma$ -Acetyl- $\alpha$ -Diketo- $\alpha$ -Diphenylpentan- $\gamma$ -Carbonsäure-äthylester.** Sm. 61—63° (B. 22, 3228). — II, 1982.
- C<sub>22</sub>H<sub>23</sub>O<sub>4</sub>N** C 66,5 — H 5,8 — O 24,2 — N 3,5 — M. G. 397.
- 1) **Methylhydrastin.** Sm. 156°. HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), (HCl, AuCl<sub>3</sub>), HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> (B. 23, 406). — II, 2052.
- C<sub>22</sub>H<sub>23</sub>O<sub>4</sub>N** C 63,9 — H 5,6 — O 27,1 — N 3,4 — M. G. 413.
- 1) **Narkotin (Opianin).** Sm. 176°. Salze meist bek. Lit. bedeutend. — III, 924.
- 2) **Isonarkotin.** Sm. 194°. HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>), HBr, HJ, HNO<sub>3</sub>, Tartrat (B. 29, 184, 2040; 30, 1745; 31, 2099). — III, 922.
- C<sub>22</sub>H<sub>23</sub>O<sub>5</sub>N<sub>3</sub>** C 59,9 — H 5,2 — O 25,4 — N 9,5 — M. G. 441.
- 1) **Methylnitrohydrastimid.** Sm. 202—203°. + C<sub>7</sub>H<sub>6</sub>O. Sm. 95°. HCl, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> (A. 271, 400). — II, 2052.
- C<sub>22</sub>H<sub>23</sub>O<sub>5</sub>N** C 61,5 — H 5,4 — O 29,8 — N 3,3 — M. G. 429.
- 1) **Oxynarkotin.** HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>). (Soc. 29, 461). — III, 922.
- C<sub>22</sub>H<sub>23</sub>O<sub>5</sub>N** C 59,3 — H 5,2 — O 32,4 — N 3,1 — M. G. 445.
- 1) **Dimäthylester d. Berberinsäure.** Sm. 173—174° (Soc. 57, 1048). — III, 801.
- C<sub>22</sub>H<sub>23</sub>O<sub>10</sub>Cl<sub>4</sub>** 1) **Verbindung (aus Esparto)** (Soc. 38, 668). — I, 1080.
- C<sub>22</sub>H<sub>23</sub>O<sub>5</sub>N<sub>2</sub>J** 1) **Jodisoamylat d. 2-Phenyl- $\beta$ -Naphtimidazol** (A. 208, 329). — IV, 1061.
- C<sub>22</sub>H<sub>24</sub>O<sub>4</sub>N<sub>2</sub>** C 79,5 — H 7,2 — O 4,8 — N 8,4 — M. G. 332.
- 1) **Anhydrid d. 2-Methylchinolinmethoxyhydrat** (A. 242, 302). — IV, 308.
- C<sub>22</sub>H<sub>24</sub>O<sub>2</sub>N<sub>2</sub>** C 75,9 — H 6,9 — O 9,2 — N 8,0 — M. G. 348.
- 1) **Dimäthyläther d. 1,2-Di[2-Oxyphenylamidomethyl]benzol.** Sm. 105° (B. 31, 1157).
- 2) **Hydromethyllepidon.** Sm. 268° (A. 236, 109; B. 19, 3301). — IV, 317.
- C<sub>22</sub>H<sub>24</sub>O<sub>5</sub>N<sub>6</sub>** C 65,3 — H 5,9 — O 7,9 — N 20,8 — M. G. 404.
- 1) **Di[Phenylhydrazid] d. Phenylhydrazidobernsteinsäure.** Sm. 199 bis 200° (B. 26, 121). — IV, 741.
- C<sub>22</sub>H<sub>24</sub>O<sub>5</sub>Br<sub>4</sub>** 1) **Diäthyläther d.  $\alpha\beta$ -Di[3,6-Dibrom-4-Oxy-2,5-Dimethylphenyl]-äthen.** Sm. 171—172,5° (B. 28, 2909; 29, 2338).
- C<sub>22</sub>H<sub>24</sub>O<sub>5</sub>N<sub>7</sub>** C 72,5 — H 6,6 — O 13,2 — N 7,7 — M. G. 364.
- 1) **Anhydrid d. 1-Methyl-1,2,3,4-Tetrahydrochinolin-4-Carbonsäure.** Sm. 297—299<sup>1/2</sup> (M. 5, 643). — IV, 214.
- 2) **Aethylester d.  $\alpha\beta$ -Di[4-Methylphenylimido]- $\gamma$ -Ketopentan- $\alpha$ -Carbonsäure.** Sm. 186° (B. 3 [3] 13, 480).
- C<sub>22</sub>H<sub>24</sub>O<sub>4</sub>N<sub>2</sub>** C 69,5 — H 6,3 — O 16,8 — N 7,4 — M. G. 380.
- 1) **4,4'-Di[Diacetylamoido]-3,3'-Dimethylbiphenyl.** Sm. 211° (B. 21, 747). — IV, 981.
- 2) **Diisobutyrat d.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan** (D. d.  $\alpha$ -Benzildioxim). Sm. 121—122° (B. 21, 802). — III, 294.
- 3) **Diisobutyrat d. isom.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan** (D. d.  $\beta$ -Benzildioxim). Sm. 88—89° (B. 21, 802). — III, 294.
- 4) **Diisobutyrat d. isom.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan** (D. d.  $\gamma$ -Benzildioxim). Sm. 89—92° (B. 22, 715). — III, 294.

- C<sub>22</sub>H<sub>24</sub>O<sub>4</sub>N<sub>2</sub>** 5) Di[2,4,6-Trimethylbenzyliden]hydrazin- $\alpha\alpha'$ -Dicarbonsäure + H<sub>2</sub>O. Sm. 200° (Bd. [3] 17, 371).  
**C<sub>22</sub>H<sub>24</sub>O<sub>5</sub>N<sub>2</sub>** C 66,7 — H 6,0 — O 20,2 — N 7,1 — M. G. 396.  
 1) **Methylhydrastimid.** Sm. 192°. HCl, (2HCl, PtCl<sub>4</sub>), HJ, HNO<sub>3</sub> + H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> (B. 23, 2899). — II, 2052.  
 2) **Dioxim d.  $\gamma$ -Acetyl- $\alpha\alpha'$ -Diketo- $\alpha\alpha'$ -Diphenylpentan- $\gamma$ -Carbonsäure-äthylester.** Sm. 61—63° (B. 22, 3228). — II, 1982.  
**C<sub>22</sub>H<sub>24</sub>O<sub>5</sub>N<sub>8</sub>** C 58,4 — H 5,3 — O 17,7 — N 18,6 — M. G. 452.  
**C<sub>22</sub>H<sub>24</sub>O<sub>4</sub>Br<sub>2</sub>** 1) **Diacetat d. Di[3-Brom-4-Oxy-2,5-Dimethylbenzyl]äther.** Sm. 140° (A. 302, 124).  
**C<sub>22</sub>H<sub>24</sub>O<sub>6</sub>N<sub>2</sub>** C 64,1 — H 5,8 — O 23,3 — N 6,8 — M. G. 412.  
 1) **Methylhydrastinoxim.** Sm. 158°. HCl + 3H<sub>2</sub>O, HNO<sub>3</sub> + xH<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + C<sub>6</sub>H<sub>6</sub>O (A. 271, 391). — II, 2053.  
 2) **Diäthyläther d. Succinylbenzhydroxamsäure (Benzäthylsuccinhydroxam).** Sm. 60° (A. 281, 265). — II, 1199.  
 3)  **$\alpha\beta$ -Di[4-Methylphenylacetyl]amidobernsteinsäure + H<sub>2</sub>O.** Zers. 204°. Ca + H<sub>2</sub>O, Ba + H<sub>2</sub>O (B. 26, 1770). — II, 509.  
 4) **Diacetat d.  $\alpha\beta$ -Di[Acetyl]amido- $\alpha\beta$ -Di[2-Oxyphenyl]äthan.** Sm. 216—219°. + C<sub>6</sub>H<sub>6</sub>O (Soc. 45, 679; B. 17, 2406, 2409). — II, 994; III, 287.  
 5) **2-Methylphenylamid d. Diacetylweinsäure.** Sm. 221—222° u. Zers. (B. 23, 2050). — II, 468.  
 6) **4-Methylphenylamid d. Diacetylweinsäure.** Sm. 202° (B. 23, 2050). — II, 503.  
**C<sub>22</sub>H<sub>24</sub>O<sub>7</sub>N<sub>2</sub>** C 61,6 — H 5,6 — O 26,2 — N 6,5 — M. G. 428.  
 1) **Dioxymethylhydrastimid.** Sm. 151°. (2HCl, PtCl<sub>4</sub>) (A. 271, 406). — II, 2053.  
**C<sub>22</sub>H<sub>24</sub>O<sub>7</sub>N<sub>6</sub>** C 54,6 — H 5,0 — O 23,1 — N 17,3 — M. G. 484.  
 1) **Verbindung (aus d. Methyläther d. 4-[2-Oxyphenyl]hydrazen-5-Keto-3-Methyl-4,5-Dihydroisoxazol).** Zers. bei 170° (B. 30, 1164). — IV, 874.  
**C<sub>22</sub>H<sub>24</sub>O<sub>8</sub>N<sub>2</sub>** C 59,4 — H 5,4 — O 28,8 — N 6,3 — M. G. 444.  
 1) **Diäthylester d.  $\alpha\beta$ -Di[Phenylamidoformoxyl]äthan- $\alpha\beta$ -Dicarbonsäure.** Sm. 164° (C. 1895 [2] 443).  
**C<sub>22</sub>H<sub>24</sub>O<sub>8</sub>N<sub>2</sub>** C 46,1 — H 4,2 — O 44,8 — N 4,9 — M. G. 572.  
**C<sub>22</sub>H<sub>24</sub>NCl** 1) **Pentacyclidinitroarbutin** (A. 154, 242). — III, 571.  
 1) **Methyltribenzylammoniumchlorid.** 2 + PtCl<sub>4</sub> (B. 13, 703; 19, 1028). — II, 523.  
**C<sub>22</sub>H<sub>24</sub>NJ** 1) **Methyltribenzylammoniumjodid.** Sm. 184° (B. 19, 1027). — II, 523.  
 2) **Jodmethylat d. 4-Dimethylamidotriphenylmethan.** Sm. 184—185° (A. 206, 115, 157). — II, 641.  
 3) **Jodmethylat d. 3,5-Di[2-Methylbenzyl]pyridin.** Sm. 152—153° (A. 280, 86). — IV, 457.  
 4) **Jodmethylat d. 3,5-Di[3-Methylbenzyl]pyridin.** Sm. 105—107° (A. 280, 81). — IV, 457.  
 5) **Jodmethylat d. 3,5-Di[4-Methylbenzyl]pyridin.** Sm. 137° (A. 280, 76). — IV, 457.  
**C<sub>22</sub>H<sub>24</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Dithioharnstoff (aus 1,5-Diamino-1,2,3,4-Tetrahydronaphthalin).** Sm. 175° u. Zers. (B. 22, 958). — IV, 862.  
**C<sub>22</sub>H<sub>24</sub>ClAs** 1) **Methyltribenzylarsoniumchlorid.** Sm. 201°. 2 + PtCl<sub>4</sub> (A. 233, 76). — IV, 1691.  
**C<sub>22</sub>H<sub>24</sub>JP** 1) **Isobutyltriphenylphosphoniumjodid.** Sm. 176—177° (A. 229, 314). — IV, 1661.  
**C<sub>22</sub>H<sub>24</sub>JAs** 1) **Methyltribenzylarsoniumjodid.** Sm. 143° (A. 233, 75). — IV, 1691.  
**C<sub>22</sub>H<sub>25</sub>ON** C 82,8 — H 7,8 — O 5,0 — N 4,4 — M. G. 319.  
 1) **Methyltribenzylammoniumhydrat.** Chlorid, Jodid (B. 13, 703; 19, 1028). — II, 523.  
**C<sub>22</sub>H<sub>25</sub>ON<sub>2</sub>** C 76,1 — H 7,2 — O 4,6 — N 12,1 — M. G. 347.  
 1)  **$\alpha$ -Oxy- $\alpha$ -Tri[4-Amido-3-Methylphenyl]methan** (B. 27, 1814).  
**C<sub>22</sub>H<sub>26</sub>OAs** 1) **Methyltribenzylarsoniumoxyhydrat.** Chlorid, 2 Chlorid + PtCl<sub>4</sub>, Jodid (A. 233, 75). — IV, 1691.  
**C<sub>22</sub>H<sub>26</sub>O<sub>3</sub>N** C 75,2 — H 7,1 — O 13,7 — N 4,0 — M. G. 351.  
 1) **Benziltropine** (Bd. [3] 9, 1016). — III, 788.  
 2) **Benzyläther d. Santoninoxim.** Sm. 151—152° (B. 26, 413). — II, 1786.

- C<sub>21</sub>H<sub>22</sub>O<sub>4</sub>N** C 71,9 — H 6,8 — O 17,4 — N 3,8 — M. G. 367.  
 1) **Aethylhydroberberin + 4H<sub>2</sub>O.** Sm. 233—235° u. Zers. HCl + 2½ H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>), HBr, HJ, HNO<sub>3</sub> + 2H<sub>2</sub>O. — **III, 801.**
- C<sub>21</sub>H<sub>23</sub>O<sub>5</sub>N<sub>2</sub>** C 64,2 — H 6,1 — O 19,5 — N 10,2 — M. G. 411.  
 1) **Trioxim d. γ-Acetyl-α-α-Diketo-γ-Diphenylpentan-γ-Carbonsäure-äthylester.** Sm. 66—68° (*B. 22*, 3228). — **II, 1982.**
- C<sub>21</sub>H<sub>25</sub>O<sub>6</sub>N** C 66,2 — H 6,3 — O 24,0 — N 3,5 — M. G. 399.  
 1) **Colchicin.** Sm. 143—147°. + 2 CHCl<sub>3</sub>, (HCl, AuCl<sub>3</sub>) (*A. 7*, 274; *Fr. 18*, 129; *Bl. 42*, 298; *[3] 11*, 155; *J. 1856*, 548, 550; **1864**, 450; *M. 4*, 162; 7, 568; *9*, 4, 868; *B. 14*, 1412). — **III, 873.**  
 2) **Methylcolchicin.** (*M. 9*, 870). — **III, 874.**  
 3) **Succinyleodein + 5H<sub>2</sub>O.** HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (*Soc. 26*, 689). — **III, 906.**  
 4) **Aethylester d. Acetylmorphinkohlensäure.** Sm. bei 150°. HCl, (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O) (*C. 1869* [1] 705).
- C<sub>22</sub>H<sub>25</sub>O<sub>7</sub>N** C 63,6 — H 6,0 — O 27,0 — N 3,4 — M. G. 415.  
 1) **Methylhydrastein + 2H<sub>2</sub>O (Methylhydrastinhydrat).** Sm. 151—152° (wasserfrei). HCl, (2HCl, PtCl<sub>4</sub>) (*B. 23*, 408). — **II, 2051.**  
 2) **Hydrastinmethoxyhydrat + H<sub>2</sub>O.** Sm. 242° (214—215°). Salze, siehe diese (*B. 23*, 405). — **II, 2051.**
- C<sub>22</sub>H<sub>25</sub>O<sub>8</sub>N** C 61,2 — H 5,8 — O 29,7 — N 3,3 — M. G. 431.  
 1) **Isonarkotinsäure.** Ba (*B. 29*, 185).  
 C 75,4 — H 7,4 — O 9,1 — N 8,0 — M. G. 350.  
 1) **3,6-Diketo-2,5-Diäthyl-1,4-Di[2-Methylphenyl]hexahydro-1,4-Diazin.** Sm. 218° (*B. 25*, 2924). — **II, 472.**  
 2) **isom. 3,6-Diketo-2,5-Diäthyl-1,4-Di[2-Methylphenyl]hexahydro-1,4-Diazin.** Sm. 178—180° (*B. 25*, 2924). — **II, 472.**  
 3) **3,6-Diketo-2,5-Diäthyl-1,4-Di[4-Methylphenyl]hexahydro-1,4-Diazin.** Sm. 256° (*B. 25*, 2322, 2925). — **II, 508.**  
 4) **isom. 3,6-Diketo-2,5-Diäthyl-1,4-Di[4-Methylphenyl]hexahydro-1,4-Diazin.** Sm. 207—217° (204—210°) (*B. 25*, 2322, 2925). — **II, 508.**  
 5) **α-1,4-Dibenzoyl-2,5-Dimethyl-3-Aethylhexahydro-1,4-Diazin.** Sm. 169° (*J. pr. [2] 55*, 71). — **IV, 485.**  
 6) **α-1,4-Dibenzoyl-2,3,5,6-Tetramethylhexahydro-1,4-Diazin.** Sm. 242° (245°) (*J. pr. [2] 55*, 75; *B. 26*, 724). — **IV, 485.**  
 7) **β-1,4-Dibenzoyl-2,3,5,6-Tetramethylhexahydro-1,4-Diazin.** Sm. 175° (173°) (*J. pr. [2] 55*, 77; *B. 26*, 724). — **IV, 485.**  
 8) **Di[Phenylamid]** d. d-Camphersäure. Sm. 226° (*B. 28*, 531).  
 9) **Di[Phenylamid]** d. l-Camphersäure. Sm. 226° (*B. 28*, 531).  
 10) **Di[Phenylamid]** d. l-Camphersäure. Sm. 196—197° (*B. 28* [2] 923).  
 11) **Di[Phenylamid]** d. Isocamphersäure. Sm. 201° (*B. 28*, 531).  
 12) **Di[Phenylamid]** d. l-Isocamphersäure. Sm. 201° (*B. 28*, 531).  
 13) **Di[Phenylamid]** d. l-Isocamphersäure. Sm. 184° (*B. 28* [2] 923).  
**C<sub>22</sub>H<sub>26</sub>O<sub>8</sub>Br<sub>4</sub>** 1) **[2,4-Dibrom-6-Isopropyl-3-Methylphenyläther]** d. α-β-Dioxyäthan. Sm. 151—153° (*G. 22* [2] 583). — **II, 772.**
- C<sub>22</sub>H<sub>26</sub>O<sub>8</sub>N<sub>2</sub>** C 72,1 — H 7,1 — O 13,1 — N 7,6 — M. G. 366.  
 1) **Gelseminin (oder C<sub>21</sub>H<sub>24</sub>O<sub>11</sub>N<sub>2</sub>; C<sub>21</sub>H<sub>26</sub>O<sub>8</sub>N<sub>2</sub>).** Sm. bei 120°. HCl, (HCl, PtCl<sub>4</sub>), HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> (*B. 26*, 1055, 1726; **C. 1895** [1] 605; **1896** [1] 111). — **III, 884.**  
 2) **Methylstrychnin** (*B. 23*, 2732). — **III, 937.**  
 3) **Isomethylstrychnin + 7H<sub>2</sub>O** (*A. 264*, 81). — **III, 938.**  
 4) **Strychninmethoxyhydrat + 4H<sub>2</sub>O.** Salze siehe (*J. 1859*, 395; **1868**, 757; *J. pr. [2] 3*, 157; *B. 23*, 2732; *A. 264*, 62). — **III, 937.**  
 5) **Methylisostrychninsäure + 2½ H<sub>2</sub>O.** Zers. oberh. 240° (*A. 268*, 240). — **III, 943.**  
 6) **Acetylchinin.** Sm. 108°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), (HCl, AuCl<sub>3</sub> + H<sub>2</sub>O) (*J. 1876*, 613; *A. 205*, 317). — **III, 815.**  
 7) **Acetylconchinin.** (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O), (2HCl, AuCl<sub>3</sub> + 2H<sub>2</sub>O) (*A. 205*, 318). — **III, 825.**
- C<sub>22</sub>H<sub>26</sub>O<sub>8</sub>N<sub>4</sub>** C 67,0 — H 6,6 — O 12,2 — N 14,2 — M. G. 394.  
 1) **Verbindung (aus Oxybenzol u. 4-Nitroso-1-Dimethylamidobenzol)** (*B. 12*, 1824). — **II, 330.**

- C<sub>22</sub>H<sub>26</sub>O<sub>4</sub>N<sub>2</sub>** C 69,1 — H 6,8 — O 16,7 — N 7,3 — M. G. 382.  
 1) Chairamin + H<sub>2</sub>O. Sm. 233° (wasserfrei). HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub> + 8H<sub>2</sub>O (A. 225, 243). — III, 929.  
 2) Chairamidin + H<sub>2</sub>O. Sm. 126 — 128° (wasserfrei) (A. 225, 253). — III, 930.  
 3) Conchairamin + H<sub>2</sub>O. Sm. 108 — 110° (120° wasserfrei). + C<sub>2</sub>H<sub>6</sub>O (Sm. 82 bis 86%), HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 5H<sub>2</sub>O), HJ + H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + 9H<sub>2</sub>O, CHNS + H<sub>2</sub>O (A. 225, 246). — III, 930.  
 4) Conchairamidin + H<sub>2</sub>O. Sm. 114 — 115° (wasserfrei). HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 5H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub> + 14H<sub>2</sub>O (A. 225, 257). — III, 930.  
 5) Di[*γ*-Benzoylamidopropyl]essigsäure. Sm. 149,5°. Ag (B. 26, 2143). — II, 1192.  
 6) Dimethylester d. 2,2'-Diisopropylazobenzol-5,5'-Dicarbonsäure. Sm. 186° (J. r. 16, 167). — IV, 1466.  
 7) Diäthylester d.  $\delta$ -Phenylhydrazon- $\alpha$ -Phenylbutan- $\alpha\beta$ -Dicarbonsäure. Sm. 149° (B. 18, 792). — IV, 718.  
 8) polym. 4-Methylphenylamid d. Propionylameisensäure. Sm. 192° (A. 279, 107).
- C<sub>21</sub>H<sub>26</sub>O<sub>4</sub>N<sub>4</sub>** C 64,4 — H 6,3 — O 15,6 — N 13,6 — M. G. 410.  
 1)  $\alpha\beta$ -Di[4-Acetylaminodiphenylacetamido]äthan. Sm. oberh. 290° (Soc. 71, 424). — IV, 587.  
 2)  $\gamma\gamma'$ -Diphenylhydrazonkton- $\alpha\beta$ -Dicarbonsäure. Sm. 111 — 112° (A. 294, 172). — IV, 722.  
 3) Diäthylester d.  $\beta\beta'$ -Di[Phenylhydrazon]butan- $\alpha\beta$ -Dicarbonsäure. Sm. 160 — 180° u. Zers. (A. 249, 199). — IV, 722.
- C<sub>22</sub>H<sub>26</sub>O<sub>6</sub>N<sub>2</sub>** C 63,7 — H 6,3 — O 23,2 — N 6,8 — M. G. 414.  
 1) Methylhydrastamid. Sm. 180°. HCl + 2H<sub>2</sub>O, Pikrat (B. 23, 2897). — II, 2052.  
 2) Verbindung (aus  $\beta$ -Amidocrotonssäureäthylester u. Benzylidenmalonsäure-diäthylester). Sm. 179 — 180° (B. 31, 764).
- C<sub>22</sub>H<sub>26</sub>O<sub>6</sub>N<sub>4</sub>** C 59,7 — H 5,9 — O 21,7 — N 12,7 — M. G. 442.  
 1) Aethylenphenylhydrazidbersteinsäure. Sm. 203°. Pb (A. 254, 122). — IV, 703.  
 2) Di[Nitrophenylamid] d. Sebacinsäure. Sm. 110° (J. 1887, 1839). — II, 416.
- C<sub>22</sub>H<sub>26</sub>O<sub>7</sub>N<sub>2</sub>** C 61,4 — H 6,0 — O 26,0 — N 6,5 — M. G. 430.  
 1) Methylhydrastinoximhydrat. Sm. 202 — 203°. — II, 2053.  
 2) Glykoferulaldehydphenylhydrazon. Sm. 212° (B. 18, 3483). — IV, 764.
- C<sub>22</sub>H<sub>27</sub>ON<sub>3</sub>** C 75,6 — H 7,7 — O 4,6 — N 12,0 — M. G. 349.  
 1) Cyanäthylat d. Cinchonin. Sm. 160 — 165° u. Zers. (A. 269, 260). — III, 833.
- C<sub>22</sub>H<sub>27</sub>O<sub>3</sub>N<sub>5</sub>** C 67,2 — H 6,9 — O 8,1 — N 17,8 — M. G. 393.  
 1) Verbindung (aus Amidobenzol u. 4-Nitroso-1-Dimethylamidobenzol) (B. 12, 1824). — II, 329.
- C<sub>22</sub>H<sub>27</sub>O<sub>3</sub>Cl<sub>2</sub>** 1) Dithiomoltrichloräthan. Sm. 194° (B. 7, 1197; Soc. 31, 262). — II, 997.  
 C 74,8 — H 7,6 — O 13,6 — N 4,0 — M. G. 353.
- C<sub>22</sub>H<sub>27</sub>O<sub>3</sub>N** 1) 2-Methylphenylamidopipitzahoinsäure (o-Toluidoperezon). Sm. 135 bis 136° (109 — 111°) (B. 18, 942; A. 237, 104). — II, 1673.  
 2) 4-Methylphenylamidopipitzahoinsäure (p-Toluidoperezon). Sm. 136° (133 — 135°) (A. 237, 104; B. 18, 942). — II, 1674.
- C<sub>22</sub>H<sub>27</sub>O<sub>4</sub>N** C 71,5 — H 7,3 — O 17,3 — N 3,8 — M. G. 369.  
 1) d-Corydalin. Sm. 134,5°. HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), (2HCl, AuCl<sub>3</sub>, HBr, HJ, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> + 4H<sub>2</sub>O, CHNS (Berz. J. 7, 220; J. 1859, 570; A. 64, 369; 137, 274; 277, 6; Soc. 61, 244, 605; 67, 17; 71, 658; C. 1896 [2] 792; 1897 [1] 133; 1898 [2] 114; M. 18, 355). — III, 875.  
 2) i-Corydalin (Isocorydalin). Sm. 135°. HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub> + 4H<sub>2</sub>O), HBr, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> + 2H<sub>2</sub>O, CHNS (C. 1896 [2] 793; 1898 [2] 115). — III, 877.  
 3) Butyrylcocaine. HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (Soc. 28, 15). — III, 905.
- C<sub>22</sub>H<sub>27</sub>O<sub>5</sub>N** C 68,8 — H 7,0 — O 20,8 — N 3,4 — M. G. 385.  
 1) Acetylauadanidin. Sm. 98° (A. 282, 211). — III, 912.  
 2) Hydroxyberinäthyloxyhydrat + 4H<sub>2</sub>O. Sm. 163 — 165°. Salze, siehe diese (A. Spt. 2, 207). — III, 801.

- C<sub>22</sub>H<sub>22</sub>O<sub>5</sub>N**
- 3) **Aethyloxydhydrat d. Papaverin.** Chlorid + 4H<sub>2</sub>O, Bromid, Jodid, Nitrat + 3H<sub>2</sub>O, Bichromat, Pikrat (B. 18, 1577; M. 6, 695; 7, 516; 8, 752; 10, 688; J. pr. [2] 47, 525; [2] 56, 338). — IV, 441.
- C<sub>22</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>**
- 1) **Aethylchininin.** Salze siehe (A. 91, 163; B. 14, 78; 16, 2747; Soc. 26, 1180; J. 1882, 1109; M. 15, 47; J. pr. [2] 3, 146). — III, 874.
  - 2) **Aethylconchininin.** Fl. (A. 129, 20; 269, 233; Soc. 26, 1183; J. pr. [2] 14, 364). — III, 825.
  - 3) **Aspidosamin.** Sm. 100% (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O) (A. 211, 261). — III, 781.
  - 4) **Aspidospermatin.** Sm. 162% (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O) (A. 211, 259). — III, 781.
  - 5) **Chinopropylin.** Sm. 164%. H<sub>2</sub>SO<sub>4</sub> + 1½H<sub>2</sub>O (Bl. [3] 7, 310). — III, 821.
  - 6) **Chinoisopropolin.** Sm. 154%. H<sub>2</sub>SO<sub>4</sub> + H<sub>2</sub>O (Bl. [3] 7, 311). — III, 821.
  - 7) **α,β-Di[3-Oxy-1,2,3,4-Tetrahydro-2-Naphtylamido]äthan.** Sm. 201%. Pikrat (A. 288, 128; B. 26, 1838). — II, 855.
  - 8) **Diphenylamid d. Sebacinsäure.** Sm. 198% Sd. oberh. 360° (J. 1887, 1839). — II, 415.
  - 9) **Di[4-Isopropylbenzylamid] d. Oxalsäure.** Sm. 181—182° (B. 22, 932). — II, 561.
- C<sub>22</sub>H<sub>22</sub>O<sub>5</sub>N<sub>6</sub>**
- C 64,7 — H 6,9 — O 7,8 — N 20,6 — M. G. 408.
  - 1) **α,β-Diamido-α,β-Di[Isobutyrylphenylhydrazon]äthan.** Sm. 217° (B. 27, 1965). — IV, 742.
- C<sub>22</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>**
- C 71,7 — H 7,6 — O 13,0 — N 7,6 — M. G. 368.
  - 1) **Acetylhydrochininin.** Sm. bei 40° (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub> + 9H<sub>2</sub>O (A. 241, 278). — III, 860.
- C<sub>22</sub>H<sub>22</sub>O<sub>5</sub>N<sub>4</sub>**
- C 66,7 — H 7,1 — O 12,1 — N 14,1 — M. G. 396.
  - 1) **Verbindung d. Acetazidosekretärlester u. d. 4-Dimethylamidophenyl-anid d. α-Phenylhydrazosigäure.** Sm. 185° (A. 301, 77).
- C<sub>22</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>**
- C 68,7 — H 7,3 — O 16,7 — N 7,3 — M. G. 384.
  - 1) **Echitamin (Ditain) + 4H<sub>2</sub>O.** Sm. 206° u. Zers. HCl, (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O), HBr + 2H<sub>2</sub>O, HJ, H<sub>2</sub>CO<sub>3</sub> + 1½H<sub>2</sub>O, Oxalat (A. 203, 150; B. 11, 2006; 13, 1648, 1841). — III, 880.
  - 2) **Diäthylester d. α,β-Di[4-Methylphenylamido]bernsteinsäure.** Sm. 169° (B. 26, 1767). — II, 509.
- C<sub>22</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>**
- C 66,0 — H 7,0 — O 20,0 — N 7,0 — M. G. 400.
  - 1) **Oxyechitamin (A. 203, 162).** — III, 881.
- C<sub>22</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>**
- C 58,9 — H 6,2 — O 28,6 — N 6,2 — M. G. 448.
  - 1) **Tetraäthylester d. l,3-Phenylene[β-Amidoäthen-α,α-Dicarbonsäure].** Sm. 110° (B. 28, 824). — IV, 577.
  - 2) **Tetraäthylester d. 1,4-Phenylene[β-Amidoäthen-α,α-Dicarbonsäure].** Sm. 164—165° (B. 30, 2026). — IV, 593.
- C<sub>22</sub>H<sub>22</sub>O<sub>5</sub>N<sub>6</sub>**
- C 52,4 — H 5,6 — O 25,4 — N 16,6 — M. G. 504.
  - 1) **α,β-Di[3,5-Dinitro-1-Pseudobutylphenylamido]äthan.** Sm. 174—175° (J. pr. [2] 48, 203). — II, 558.
- C<sub>22</sub>H<sub>22</sub>O<sub>5</sub>Cl<sub>2</sub>**
- 1) **Tetraäthylester d. Benzoldi-1,2-[β-Chloräthyl-β,β-Dicarbonsäure]** (T. d. o-Xylyledichlordimalonsäure) (B. 17, 452; Soc. 53, 14). — II, 2075.
  - 2) **Tetraäthylester d. Benzoldi-1,3-[β-Chloräthyl-β,β-Dicarbonsäure].** Fl. (B. 21, 30). — II, 2075.
  - 3) **Tetraäthylester d. Benzoldi-1,4-[β-Chloräthyl-β,β-Dicarbonsäure].** Sm. 86—87° (B. 21, 33). — II, 2076.
- C<sub>22</sub>H<sub>22</sub>O<sub>5</sub>Br<sub>2</sub>**
- 1) **Tetraäthylester d. Benzoldi-1,4-[β-Bromäthyl-β,β-Dicarbonsäure].** Sm. 107—108° (B. 21, 35). — II, 2076.
- C<sub>22</sub>H<sub>22</sub>O<sub>10</sub>N<sub>2</sub>**
- C 55,0 — H 5,8 — O 33,3 — N 5,8 — M. G. 480.
  - 1) **Tetraäthylester d. 3,6-Di[Acetylamido]benzol-1,2,4,5-Tetracarbon-säure.** Sm. 149° (A. 237, 27). — II, 2074.
- C<sub>22</sub>H<sub>22</sub>ON**
- 1) **α-Oximido-α,β-Diphenyldekan.** Sm. 101° (B. 22, 348). — III, 239.
  - 2) **β-Octyl-2-Methylphenylamid d. Benzolcarbonsäure.** Sm. 117° (B. 18, 147). — II, 1167.
  - 3) **Di[4-Isobutylphenyl]amid d. Essigsäure.** Sm. 75° (B. 20, 1257). — II, 558.
  - 4) **Di[6-Isopropyl-3-Methylphenyl]amid d. Essigsäure.** Sm. 78° (B. 20, 1261). — II, 560.

- C<sub>12</sub>H<sub>10</sub>O<sub>2</sub>N** C 68,2 — H 7,5 — O 20,7 — N 3,6 — M. G. 387.  
 1) **Diäthylester d. 1-Oximido-5-Methyl-3-[4-Isopropylphenyl]-1,2,3,4-Tetrahydrobenzol-2,4-Dicarbonsäure.** Sm. 188—189° u. Zers. (A. 303, 241, 242).
- C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N<sub>2</sub>** C 78,1 — H 8,9 — O 4,7 — N 8,3 — M. G. 338.  
 1) **Phenylhydrazon d. bim. Dimethylcylohexonen.** Sm. 202—204° (B. 32, 424).
- C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N<sub>2</sub>** C 74,6 — H 8,5 — O 9,0 — N 7,9 — M. G. 354.  
 1) **Aspidospermin.** Sm. 205—206°. 3 + 4HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> (B. 11, 2189; 12, 1560; A. 211, 254; Fr. 22, 149). — **III, 780.**
- C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N<sub>4</sub>** C 69,1 — H 7,8 — O 8,4 — N 14,7 — M. G. 382.  
 1) **N-Di[4-Diäthylamido]phenylglyoxim.** Sm. 204° (B. 31, 295).  
 2) **Dinitrosoderivat d. Base C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N<sub>4</sub>.** Sm. 83—84° (B. 25, 2045). — **II, 445.**
- C<sub>12</sub>H<sub>10</sub>O<sub>2</sub>S** 1) **Di[Pentamethylphenyl]sulfon.** Sm. 98,5° (B. 20, 900). — **II, 828.**
- C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N<sub>2</sub>** C 71,3 — H 8,1 — O 13,0 — N 7,6 — M. G. 370.  
 1) **Diisoamyläther d. 4,4'-Dioxyazoxybenzol.** Sm. 98° (B. 23, 1744). — **IV, 1343.**  
 2) **Acetyltetrahydrochinin.** Fl. (M. 16, 634). — **III, 816.**  
 3) **Aethylconchininoxyhydrat.** Fl. Salze siehe (A. 129, 20; 269, 233; Soc. 26, 1183; J. pr. [2] 14, 364). — **III, 825.**
- C<sub>12</sub>H<sub>10</sub>O<sub>2</sub>N<sub>4</sub>** C 63,8 — H 7,2 — O 15,4 — N 13,5 — M. G. 414.  
 1) **N-[4-Diäthylamido-3-Oxyphenyl]glyoxim.** Sm. 168° (B. 31, 296).
- C<sub>12</sub>H<sub>10</sub>O<sub>2</sub>S** 1) **Diisoamyläther d. s-P-Dioxydiphenylsulfon.** Sm. 98° (A. 172, 55). — **II, 840.**
- C<sub>12</sub>H<sub>10</sub>O<sub>2</sub>N<sub>4</sub>** C 59,2 — H 6,7 — O 21,5 — N 12,6 — M. G. 446.  
 1) **Dipropylester d. αβ-Di[Phenylhydrazido]-αβ-Dioxyäthan-αβ-Dicarbonsäure.** Sm. 112° u. Zers. (B. 28, 66). — **IV, 728.**
- C<sub>12</sub>H<sub>10</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) **Pentamethylenauraminchlorid** (J. pr. [2] 47, 412). — **IV, 1174.**
- C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N** 1) **Atisin** (oder C<sub>48</sub>H<sub>72</sub>O<sub>4</sub>N<sub>2</sub>). HCl, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>4</sub>), HBr, HJ, HNO<sub>3</sub> (Soc. 69, 1519). — **III, 782.**  
 2) **Imidodimethylenecamphor.** Sm. 220—221° (A. 281, 356). — **III, 116.**  
 3) **Caryophylleneester d. Phenylamidoameisensäure.** Sm. 136—137° (A. 279, 392). — **III, 513.**
- C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N<sub>5</sub>** C 63,9 — H 7,5 — O 11,6 — N 16,9 — M. G. 413.  
 1) **Verbindung** (aus Isovalerylcyanessigsäureäthylester u. Phenylhydrazin). Sm. 65° (C. 1895 [2] 83).
- C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>Br** 1) **Bromisobutylat d. 1,4-Dibenzylhexahydro-1,4-Diazin.** Sm. 195 bis 196° (C. 1898 [1] 381).
- C<sub>12</sub>H<sub>12</sub>N<sub>2</sub>J** 1) **Jodmethylat d. Dihydrostrychnolin.** Sm. 265° (A. 301, 330).
- C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N<sub>2</sub>** C 77,6 — H 9,4 — O 4,7 — N 8,2 — M. G. 340.  
 1) **Caryophyllennitrolbenzylamin.** Sm. 125—128° (C. 1899 [1] 108).  
 2) **Humulonenitrolbenzylamin.** Sm. 136°. HCl (Soc. 67, 781). — **III, 538.**
- C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N<sub>3</sub>** C 74,1 — H 9,0 — O 9,0 — N 7,9 — M. G. 356.  
 1) **Aethylester d. 1-Phenylhydrazon-3-Hexyl-5-Methyl-1,2,3,4-Tetrahydrobenzol-2-Carbonsäure.** Sm. 146—147° (A. 288, 343).
- C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N<sub>4</sub>** C 63,5 — H 7,7 — O 15,4 — N 13,4 — M. G. 416.  
 1) **Jaborin.** + PtCl<sub>4</sub>, + 2PtCl<sub>4</sub>, (2HCl, PtCl<sub>4</sub>) (A. 204, 79; Bl. 48, 224, 825). — **III, 925.**
- C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N** C 73,5 — H 9,2 — O 13,4 — N 3,9 — M. G. 359.  
 1) **Atisinhydrat.** (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>4</sub>) (Soc. 69, 1525). — **III, 783.**
- C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N** C 67,5 — H 8,4 — O 20,5 — N 3,6 — M. G. 391.  
 1) **Staphisagrin.** HCl, (HCl, AuCl<sub>4</sub>), HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, Acetat, + HgCl<sub>2</sub> (A. 9, 104; J. 1864, 450; 1877, 897). — **III, 880.**
- C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>Cl** 1) **Dichlormethylat d. 4,4'-Di[Diäthylamido]biphenyl.** 2 + PtCl<sub>4</sub> (A. 115, 368). — **IV, 963.**
- C<sub>12</sub>H<sub>14</sub>N<sub>2</sub>J<sub>2</sub>** 1) **Dijodmethylat d. 4,4'-Di[Diäthylamido]biphenyl** (A. 115, 367). — **IV, 963.**
- C<sub>12</sub>H<sub>12</sub>O<sub>2</sub>N** C 70,0 — H 9,3 — O 17,3 — N 3,7 — M. G. 377.  
 1) **2,6-Dimethyl-4-Tridekylpyridin-3,5-Dicarbonsäure.** HCl (B. 22, 1758). — **IV, 171.**

- C<sub>22</sub>H<sub>36</sub>O<sub>6</sub>N** C 64,5 — H 8,6 — O 23,5 — N 3,4 — M. G. 409.  
 1) Delphinin. 2HCl, (HCl, AuCl<sub>3</sub>), (HJ, HgJ<sub>2</sub>), 2HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> (*Berz. J.* 1, 97; 4, 191; *J. 1864*, 450; *1877*, 895; *1880*, 955; *1881*, 977; *A. 9*, 101). — **III**, 879.
- C<sub>22</sub>H<sub>36</sub>O<sub>6</sub>N<sub>2</sub>** C 73,3 — H 10,0 — O 8,9 — N 7,8 — M. G. 360.  
 1) s-1-Difenchylamid d. Oxalsäure. Sm. 188° (*A. 269*, 305). — **IV**, 58.
- C<sub>22</sub>H<sub>36</sub>N<sub>4</sub>J<sub>2</sub>** 1) 2,2'-Di[Jodmethylat] d. **2,4,2',4'-Tetra[Dimethylamido]biphenyl**. Sm. 190° u. Zers. (*B. 30*, 2943). — **IV**, 1275.
- C<sub>22</sub>H<sub>37</sub>ON** C 79,8 — H 11,2 — O 4,8 — N 4,2 — M. G. 331.  
 1) Phenylamid d. Palmitinsäure. Sm. 90,5°; Sd. 282—284°, (*B. 24*, 943; *J. pr. [2]* 52, 60; *Am. 18*, 701). — **II**, 370.
- C<sub>22</sub>H<sub>37</sub>O<sub>7</sub>N** 2) Pentadekylamid d. Benzocarbonäsäure. Sm. 78° (*B. 30*, 901).  
 C 76,1 — H 10,7 — O 9,2 — N 4,0 — M. G. 347.
- 1) P-Nitro-1-Cetylbenzol. Sm. 35—36° (*B. 19*, 2084). — **II**, 107.
- 2)  $\alpha$ -Phenylamidopalmitsäure. Sm. 141—142° (*B. 24*, 942). — **II**, 436.
- C<sub>22</sub>H<sub>38</sub>O<sub>8</sub>S** 1) Cetylbenzolsulfonsäure. (*B. 19*, 2983). — **II**, 161.
- C<sub>22</sub>H<sub>38</sub>O<sub>8</sub>N<sub>2</sub>** C 67,0 — H 9,6 — O 16,2 — N 7,1 — M. G. 394.  
 1) Gelsemuin (oder C<sub>24</sub>H<sub>38</sub>O<sub>8</sub>N<sub>2</sub>; C<sub>20</sub>H<sub>36</sub>O<sub>8</sub>N<sub>2</sub>; C<sub>16</sub>H<sub>32</sub>O<sub>8</sub>N<sub>2</sub>). Sm. 45°. HCl, (2HCl, PtCl<sub>4</sub>), (HCl, 2AuCl<sub>3</sub>), HBr (*J. 1870*, 885; *1882*, 1173; *1883*, 1354; *1887*, 2218; *B. 9*, 1185; *16*, 797; *26*, 1715; *Fr. 22*, 153; *26*, 743). — **III**, 884.
- C<sub>22</sub>H<sub>38</sub>O<sub>9</sub>N<sub>2</sub>** C 36,4 — H 5,2 — O 19,8 — N 38,6 — M. G. 726.  
 1) Divicin, siehe C<sub>21</sub>H<sub>38</sub>O<sub>16</sub>N<sub>2</sub>. — **III**, 951.
- C<sub>22</sub>H<sub>38</sub>O<sub>10</sub>S** 1) Stärkeschweifelsäure (*A. 55*, 13).
- C<sub>22</sub>H<sub>40</sub>ON<sub>2</sub>** C 75,9 — H 11,5 — O 4,6 — N 8,0 — M. G. 348.
- 1) 6-Oxy-4-Methyl-2-Heptadekyl-1,3-Diasin. Sm. 83° (PINNER, Imidather 232). — **IV**, 832.
- C<sub>22</sub>H<sub>40</sub>O<sub>4</sub>N<sub>2</sub>** C 72,5 — H 11,0 — O 8,8 — N 7,7 — M. G. 364.  
 1) Menthylamid d. Oxalsäure. Sm. 82—83° (*A. 278*, 314).
- C<sub>22</sub>H<sub>40</sub>O<sub>5</sub>Cl<sub>2</sub>** 1) Dichlorbrassidinsäure. Fl. (*B. 25*, 2668).
- C<sub>22</sub>H<sub>40</sub>O<sub>5</sub>Cl<sub>4</sub>** 1) Tetrachlorbehensäure. Sm. 41° (*B. 25*, 2668).
- C<sub>22</sub>H<sub>40</sub>O<sub>5</sub>Br<sub>2</sub>** 1) Bromerucasäure. Sm. 46—47° (*A. 143*, 44). — **I**, 528.
- C<sub>22</sub>H<sub>40</sub>O<sub>5</sub>Br<sub>4</sub>** 1) Tetrabrombehensäure. Sm. 77—78° (*A. 143*, 45). — **I**, 489.
- C<sub>22</sub>H<sub>40</sub>O<sub>5</sub>J<sub>2</sub>** 1) Dijodbrassidinsäure (Behenosäuredijodid). Sm. 47° (*B. 24*, 4117). — **I**, 529.
- C<sub>22</sub>H<sub>41</sub>O<sub>5</sub>Br** 1) Bromlderivat d. Diundekylensäure (*B. 19*, 2225). — **I**, 523.
- C<sub>22</sub>H<sub>41</sub>O<sub>5</sub>Cl** 1) Chlorerucasäure. Sm. 37,5—38° (*B. 24*, 4126). — **I**, 528.
- 2) Chlorbrassidinsäure. Sm. 42° (*B. 24*, 4126). — **I**, 529.
- C<sub>22</sub>H<sub>41</sub>O<sub>5</sub>Br** 1) Brombrassidinsäure. Sm. 34° (*B. 25*, 962, 4127). — **I**, 529.
- 2) Bromerucasäure. Sm. 33—34° (*A. 143*, 50). — **I**, 528.
- 3) isom. Bromerucasäure. Sm. 41,5° (*B. 24*, 4123). — **I**, 528.
- C<sub>22</sub>H<sub>41</sub>O<sub>5</sub>Br<sub>2</sub>** 1) Tribrombehensäure. Sm. 31—32° (*A. 143*, 50). — **I**, 489.
- C<sub>22</sub>H<sub>41</sub>O<sub>4</sub>N** C 68,9 — H 10,7 — O 16,7 — N 3,7 — M. G. 383.  
 1)  $\alpha$ -Nonanoylamido- $\alpha$ -Ketododekan- $\mu$ -Carbonsäure (Pelargylamidobrasylsäure). Sm. 116° (*B. 29*, 810).
- 2)  $\mu$ -Oximido- $\nu$ -Ketobehensäure. Sm. 83—88° (*B. 28*, 278; *29*, 810).
- C<sub>22</sub>H<sub>41</sub>O<sub>5</sub>Cl<sub>2</sub>** 1) Dichlorid d. Brassidinsäure. Sm. 65° (*B. 24*, 4123). — **I**, 477.
- 2) Dichlorid d. Erucasäure. Sm. 46° (*B. 24*, 4123). — **I**, 476.
- C<sub>22</sub>H<sub>42</sub>O<sub>5</sub>Br<sub>2</sub>** 1) Dibrombehensäure (aus Brassidinsäure). Sm. 54° (*A. 143*, 57; *J. pr. [2]* 49, 61). — **I**, 489.  
 2) Dibrombehensäure (aus Erucasäure). Sm. 42—43°. Ba, Pb (*A. 135*, 227; *143*, 40). — **I**, 489.  
 3) Dibrombehensäure (aus Isoerucasäure). Sm. 44—46° (*J. pr. [2]* 49, 61; *[2]* 50, 66). — **I**, 489.
- C<sub>22</sub>H<sub>42</sub>O<sub>5</sub>N<sub>2</sub>** C 66,3 — H 10,5 — O 16,1 — N 7,0 — M. G. 398.  
 1)  $\mu$ -Dioximidobehensäure. Sm. 144—145° (*B. 28*, 278).
- C<sub>22</sub>H<sub>43</sub>ON** C 78,3 — H 12,8 — O 4,7 — N 4,2 — M. G. 337.  
 1) Amid d. Brassidinsäure. Sm. 90° (*B. 19*, 3326). — **I**, 1250.
- C<sub>22</sub>H<sub>43</sub>O<sub>5</sub>N** 2) Amid d. Erucasäure. Sm. 84° (*B. 19*, 3326). — **I**, 1250.
- C<sub>22</sub>H<sub>43</sub>O<sub>5</sub>Br** C 74,8 — H 12,2 — O 9,1 — N 3,9 — M. G. 353.  
 1) Oxim d. Oxybehensäure. Sm. 49—51° (*J. pr. [2]* 48, 339).
- C<sub>22</sub>H<sub>43</sub>O<sub>5</sub>Br** 1)  $\alpha$ -Brombehensäure. Sm. 70° (*G. 27* [2] 298).  
 2) Aethylester d.  $\alpha$ -Bromarachinsäure. Sm. 37—39° (*M. 17*, 531).
- C<sub>22</sub>H<sub>43</sub>O<sub>5</sub>J** 1) Jodbehensäure (*J. pr. [2]* 39, 337). — **I**, 492.

- C<sub>22</sub>H<sub>45</sub>O<sub>8</sub>N** C 71,5 — H 11,6 — O 13,0 — N 3,8 — M. G. 369.  
 1)  $\mu$ -Pelargonylamidododekancarbonsäure. Sm. 84—85° (B. 26, 841, 1860).  
 2) Oxim d. Oxybrassidinsäure. Sm. 44—45° (B. 26, 841, 1867).
- C<sub>22</sub>H<sub>44</sub>O<sub>10</sub>N<sub>2</sub>** C 53,2 — H 8,9 — O 32,3 — N 5,6 — M. G. 496.  
 1) Tetracetylseudomorphin + 8H<sub>2</sub>O. Sm. 276°. 2HCl + 4H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 6H<sub>2</sub>O) (A. 222, 245; 294, 207). — III, 9II.
- C<sub>22</sub>H<sub>45</sub>ON** C 77,9 — H 13,3 — O 4,7 — N 4,1 — M. G. 339.  
 1) Stearinimidoisobutyläther. HCl (Sm. 77—78°) (B. 26, 2841).  
 2) Oxim d. Hexylpentadekylketon. Sm. 35—36° (Soc. 63, 463).  
 3) Amid d. Behensäure. Sm. 111° (J. pr. [2] 48, 330).
- C<sub>22</sub>H<sub>46</sub>NJ** 1) Cetyltriäthylammoniumjodid. Sm. 180—181° u. Zers. (B. 22, 815). — I, 1139.
- C<sub>22</sub>H<sub>50</sub>N<sub>4</sub>J<sub>4</sub>** 1) Pentaäthylenhexaäthyltetrammoniumjodid (J. 1861, 522). — I, 1166.
- C<sub>22</sub>H<sub>50</sub>N<sub>4</sub>Cl<sub>4</sub>** 1) Triäthylenoktaäthyltetrammoniumchlorid. + 2PtCl<sub>4</sub> (J. 1861, 520). — I, 1166.
- C<sub>22</sub>H<sub>54</sub>N<sub>4</sub>Br<sub>4</sub>** 1) Triäthylenoktaäthyltetrammoniumbromid (J. 1861, 520). — I, 1166.
- C<sub>22</sub>H<sub>54</sub>N<sub>4</sub>J** 1) Triäthylenoktaäthyltetrammoniumjodid (J. 1861, 521). — I, 1166.
- C<sub>22</sub>H<sub>58</sub>O<sub>8</sub>N<sub>4</sub>** C 59,7 — H 12,1 — O 14,5 — N 12,7 — M. G. 442.  
 1) Triäthylenoktaäthyltetrammoniumhydrat. Salze siehe (J. 1861, 520). — I, 1166.

### C<sub>22</sub>-Gruppe mit vier Elementen.

- C<sub>22</sub>H<sub>10</sub>O<sub>8</sub>N<sub>4</sub>Cl<sub>2</sub>** 1)  $\beta\beta$ -Dichlor- $\alpha\alpha$ -Di[ $\beta$ -Dinitronaphthyl]äthen. Sm. 213—214° (B. 11, 301). — II, 299.  
 2) isom.  $\beta\beta$ -Dichlor- $\alpha\alpha$ -Di[ $\beta$ -Dinitronaphthyl]äthen. Sm. 292—293° (B. 11, 301). — II, 299.
- C<sub>22</sub>H<sub>10</sub>O<sub>7</sub>N<sub>4</sub>S** 1) Verbindung (aus 2,4,2',4'-Tetraamidobiphenyl-5-Sulfosäure) (B. 23, 3463). — IV, 1275.
- C<sub>22</sub>H<sub>11</sub>O<sub>8</sub>N<sub>4</sub>Cl<sub>3</sub>** 1)  $\beta\beta\beta$ -Trichlor- $\alpha\alpha$ -Di[ $\beta$ -Dinitronaphthyl]äthan. Sm. 258° (B. 11, 300). — II, 298.
- C<sub>22</sub>H<sub>12</sub>O<sub>7</sub>N<sub>4</sub>S<sub>2</sub>** 1) 2,2-Dithio- $\beta\beta$ -Binaphthoxazol (B. 21, 419). — II, 885.
- C<sub>22</sub>H<sub>12</sub>O<sub>7</sub>N<sub>4</sub>Br<sub>2</sub>** 1) Diäthyläther d.  $\beta$ -Hexabrom-8,8'-Dioxy-6,6'-Bichinolyl-5,5'-Oxyd. Sm. bei 130° u. Zers. (B. 22 [2] 297). — IV, 1078.
- C<sub>22</sub>H<sub>12</sub>O<sub>7</sub>N<sub>4</sub>Cl<sub>2</sub>** 1) 3,7-Dichlor-2-Phenylamido-8-Phenylimido-6-Oxy-1,4,5-Triketo-1,4,5,8-Tetrahydronaphthalin (A. 286, 53).
- C<sub>22</sub>H<sub>17</sub>O<sub>7</sub>N<sub>3</sub>Cl** 1) Chlorpyrenpikrat. Sm. 177—178° (M. 4, 239). — II, 284.
- C<sub>22</sub>H<sub>17</sub>O<sub>7</sub>N<sub>3</sub>Cl<sub>4</sub>** 1) Di[4-Nitrobenzylester] d. 3,4,5,6-Tetrachlorbenzol-1,2-Dicarbonsäure. Sm. 179—180° (B. 30, 785).
- C<sub>22</sub>H<sub>19</sub>ON<sub>2</sub>Br** 1) Bromrosindon (A. 282, 244). — IV, 1056.
- C<sub>22</sub>H<sub>13</sub>O<sub>7</sub>N<sub>3</sub>Cl<sub>3</sub>** 1) Triacetat d. Verb. C<sub>16</sub>H<sub>10</sub>O<sub>7</sub>N<sub>3</sub>Cl<sub>3</sub>. Sm. noch nicht bei 250° (A. 286, 54). — IV, 1059.
- C<sub>22</sub>H<sub>14</sub>ON<sub>2</sub>Cl<sub>2</sub>** 1) 2-[4-Chlorphenyl]amido-4-[4-Chlorphenyl]imido-1-Keto-1,4-Dihydronaphthalin. Sm. 217—218° (B. 21, 681). — III, 375.
- C<sub>22</sub>H<sub>14</sub>ON<sub>2</sub>Br<sub>2</sub>** 1) 2-[4-Bromphenyl]amido-4-[4-Bromphenyl]imido-1-Keto-1,4-Dihydronaphthalin. Sm. 235° (B. 21, 681). — III, 375.
- C<sub>22</sub>H<sub>14</sub>ON<sub>2</sub>Br<sub>2</sub>** 1) 2,4-Di[4-Bromphenylazo]-1-Oxynaphthalin. Sm. 233—235° (B. 28, 1896). — IV, 1433.
- C<sub>22</sub>H<sub>14</sub>O<sub>7</sub>NBr** 1) 4-Bromphenylimid d.  $\alpha\beta$ -Diphenyläthen- $\alpha\beta$ -Dicarbonsäure. Sm. 133° (B. 26, 2478). — II, 1897.
- C<sub>22</sub>H<sub>14</sub>O<sub>7</sub>N<sub>3</sub>Cl** 1) 12-Chlorphenylat d. 9-Nitro- $\alpha\beta$ -Naphthonazin. + FeCl<sub>3</sub>, 2 + PtCl<sub>4</sub> (B. 31, 3008).  
 2) 7-Chlorphenylat d. 10-Nitro- $\alpha\beta$ -Naphthonazin + 2H<sub>2</sub>O. + FeCl<sub>3</sub>, 2 + PtCl<sub>4</sub>, + AuCl<sub>4</sub> (B. 30, 2638). — IV, 1052.
- C<sub>22</sub>H<sub>14</sub>O<sub>7</sub>N<sub>3</sub>S** 1) 5,7-Lakton d. 7-Phenoxyhydrat- $\alpha\beta$ -Naphthonazin-5-Sulfosäure. Sm. 302—304° (B. 29, 2071; 31, 2420). — IV, 1053.  
 2) 5,12-Lakton d. 12-Phenoxyhydrat- $\alpha\beta$ -Naphthonazin-5-Sulfosäure. Sm. oberh. 360° (B. 29, 2074; 31, 2429). — IV, 1053.
- C<sub>22</sub>H<sub>14</sub>N<sub>2</sub>ClBr** 1) 7-Bromphenylat d. 9-Chlor- $\alpha\beta$ -Naphthonazin (B. 31, 303). — IV, 1052.
- C<sub>22</sub>H<sub>15</sub>ONS** 1) Acetylthio- $\beta$ -Dinaphthylamin. Sm. 211° (B. 21, 2810). — II, 869.

- $C_{22}H_{15}ON_2Cl$  1)  $\beta$ -Chlor- $\beta$ -Phenylamido-4-Phenylimido-1-Keto-1,4-Dihydro-naphthalin. Sm. 157°. (2HCl, PtCl<sub>4</sub>) (B. 21, 1040). — III, 377.  
 2) 7-Phenoxydhydrat d. 5-Chlor- $\alpha\beta$ -Naphthonazin. Chlorid (B. 30, 1828). — IV, 1052.  
 3) 7-Phenoxydhydrat d. 9-Chlor- $\alpha\beta$ -Naphthonazin. Chlorid, Bromid, Nitrat (B. 31, 303). — IV, 1052.
- $C_{22}H_{15}ON_2Br$  1) 8-Brom-9-Di[Phenylazo]-1-Oxynaphthalin. Sm. 222° u. Zers. (Soc. 63, 1058). — IV, 1433.
- $C_{22}H_{15}O_2N_2Cl$  1) Acetat d. 5-Chlor-6-Oxy-2,3-Diphenyl-1,4-Benzodiazin. Sm. 185 bis 186° (C. 1895 [1] 855).
- $C_{22}H_{15}O_2N_2Cl$  1) 7-[4-Nitrochlorophenyl] d. 5-Amido- $\alpha\beta$ -Naphthonazin. Zers. bei 260° (B. 31, 3082).  
 2) 12-Chlorphenylat d. parachinoïd. 9-Nitro-5-Amido- $\alpha\beta$ -Naphthonazin + H<sub>2</sub>O (B. 31, 3090).  
 3) 12-Chlorphenylat d. orthochinoïd. 9-Nitro-5-Amido- $\alpha\beta$ -Naphthonazin (B. 31, 3090).  
 4) 7-Chlorphenylat d. 10-Nitro-5-Amido- $\alpha\beta$ -Naphthonazin (Nitrophenylrosindulinchlorid). 2 + PtCl<sub>4</sub> (B. 30, 2637; 31, 3079, 3080). — IV, 1204.
- $C_{22}H_{15}O_2N_2Br_3$  1) Tribromderivat d. Verb.  $C_{22}H_{15}O_2N_2$ . Sm. 224—225° (B. 26, 1184). — IV, 1225.
- $C_{22}H_{15}O_2N_2S$  1) 4,4'-Tetrazobiphenylnaphtionsäure (B. 19, 1699). — IV, 1543.
- $C_{22}H_{15}O_2N_2Cl$  1) 7-[4-Amidochlorophenyl] d. 10-Nitro-5-Amido- $\alpha\beta$ -Naphthonazin + 3H<sub>2</sub>O (B. 31, 3084).
- $C_{22}H_{15}O_2N_2S$  1) 4-[2-Oxy-1-Naphyl]azobiphenylsulfonsäure. Na, Ba (Soc. 49, 383). — IV, 1439.  
 2) 4-[4-Oxy-1-Naphyl]azobiphenylsulfonsäure. Na, Ba (Soc. 49, 383). — IV, 1439.  
 3) Verbindung (aus 1,4-Naphtochinon-2-Sulfosäure). Zers. oberh. 220° (B. 26, 427). — III, 388.
- $C_{22}H_{15}O_2N_2S$  1) 4-Phenylazo-1-[2-Oxy-1-Naphyl]azobenzol-4'-Sulfosäure. Na (B. 13, 1838). — IV, 1434.
- $C_{22}H_{15}O_2N_2S_2$  1) 4-Phenylazo-1-[2-Oxy-1-Naphylazo]benzol-P-Disulfosäure. Na<sub>2</sub> (B. 13, 1839; Soc. 51, 194). — IV, 1434.  
 2) 4-Phenylazo-1-[3-Oxy-1-Naphylazo]benzol-1',4'-Disulfosäure? (Soc. 51, 195; B. 15, 1352). — IV, 1434.
- $C_{22}H_{15}O_2N_2S_2$  1) Naphthalin-2,6-Disulfonauredisazophenol (B. 27, 3358). — IV, 1418.
- $C_{22}H_{15}ONBr_2$  1)  $\alpha\beta$ -Dibenzoylstyrolimidibromid. Sm. 199° u. Zers. (Soc. 57, 693). — III, 309.
- $C_{22}H_{15}ON_2Cl$  1) Aethyläther d. 5-Chlor-6-Oxy-2,3-Diphenyl-1,4-Benzodiazin. Sm. 146—147° (C. 1895 [1] 854).
- $C_{22}H_{17}O_2N_2S$  1) 2-Phenylamido-1-Phenylazonaphtalin-1'-Sulfosäure (B. 20, 572). — IV, 1399.
- $C_{22}H_{17}O_2NS$  1) 4-Dimethylamidophenylamid d. 9,10-Anthrachinon-2-Sulfosäure. Sm. 171° (B. 13, 693). — III, 415.
- $C_{22}H_{17}O_2N_2Cl$  1) Aethyläther d. Phenyl-1-Oxynaphtotartrazoniumchlorid. 2 + PtCl<sub>4</sub> + 2H<sub>2</sub>O (B. 27, 2356). — IV, 1021.
- $C_{22}H_{17}O_2N_2S$  1) 4-Acetylamido-1-Oxy-2,2'-Azonaphtalin-8'-Sulfosäure. K (B. 29, 2950). — IV, 1438.
- $C_{22}H_{19}ONBr$  1) P-Brom-2-Keto-3,3'-Di[P-Methylphenyl]-2,3-Dihydroindol (Bromtoluisitin). Sm. 235° (B. 18, 2641). — II, 1618.
- $C_{22}H_{19}O_2N_2Cl_2$  1) Verbindung (aus 2-Benzylamido-1-Phenylamidomethylbenzol). Sm. 113° (B. 27, 3246). — IV, 629.
- $C_{22}H_{19}O_2N_2S_2$  1)  $\alpha\beta$ -Phtalylid[P-Phenylthioharnstoff]. Sm. 210—211° (Soc. 67, 574).
- $C_{22}H_{19}O_2N_2Cl$  1) Monophenylamid d. Chlorphenylamidophenylimidobernstein-säure? Sm. 170—172° (A. 279, 141).
- $C_{22}H_{19}ON_2Br$  1) Brommethylallapazarin (Soc. 63, 1382). — IV, 622.
- $C_{22}H_{19}O_2N_2NS$  1) Dimethylamidophenylamid d. Anthracen-2-Sulfosäure. Sm. 165° (B. 28, 2260).
- $C_{22}H_{19}O_2N_2Br$  1) Brompianylhydrazobenzol. Sm. 211° (B. 25, 2000). — IV, 1497.  
 2) 8-Brom-3,4-Dimethyl-1-Diphenylhydrazonmethylbenzol-2-Carbonsäure (Brompiansäurediphenylhydrazone). Sm. 230°. Ca (B. 25, 2000). — IV, 716.
- $C_{22}H_{19}O_2N_2S$  1) Furfuramidphenylsenföl (B. 10, 1191). — III, 724.

- C<sub>12</sub>H<sub>20</sub>ONBr** 1)  $\beta$ -Brom- $\gamma$ -[4-Methylphenyl]amido- $\alpha$ -Keto- $\alpha\gamma$ -Diphenylpropan. Sm. 100,5° (B. 28, 964). — III, 228.
- C<sub>12</sub>H<sub>20</sub>ON<sub>2</sub>S** 1)  $\alpha$ -Phenacylimido- $\alpha$ -Phenylbenzylamidomerkaptomethan (N-Phenacylpseudophenylbenzylthiobarnstoff). Sm. 127,5—128,5° (Soc. 69, 868).
- C<sub>12</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>Br<sub>2</sub>** 1) Phenylamidoformiat d. 4,6-Dibrom-2-Oxy-5-Phenylamidomethyl-1,3-Dimethylbenzol. Sm. 183° (A. 302, 82).
- C<sub>12</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) Diäthyläther d. 3,6-Dichlor-2,5-Di(2-Oxyphenyl)-1,4-Benzochinon. Sm. bei 200° (J. pr. [2] 24, 432). — III, 343.
- C<sub>12</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>S** 1) Di[ $\gamma$ -1,2-Phtalylamidopropyl]sulfid. Sm. 118° (B. 27, 2174). — II, 1803.
- C<sub>12</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>S<sub>2</sub>** 1) Di[ $\alpha$ -1,2-Phtalylamidopropyl]- $\beta$ -Disulfid. Sm. 159—161° (B. 24, 2629). — II, 1803.
- 2) Di[ $\alpha$ -1,2-Phtalylamidopropyl]- $\gamma$ -Disulfid. Sm. 90—91° (B. 27, 2172). — II, 1803.
- C<sub>12</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>Hg** 1) Diacetat d. Quecksilberdichinolylidoxyhydrat + 2H<sub>2</sub>O. Sm. 148° (A. 26 [1] 402).
- C<sub>12</sub>H<sub>20</sub>O<sub>5</sub>N<sub>2</sub>S** 1) Di[ $\gamma$ -1,2-Phtalylamidopropyl]sulfoxid. Sm. 158—159° (B. 27, 2175). — II, 1803.
- C<sub>12</sub>H<sub>20</sub>O<sub>6</sub>N<sub>2</sub>S** 1) Di[ $\gamma$ -1,2-Phtalylamidopropyl]sulfon. Sm. 173° (B. 27, 2175). — II, 1803.
- C<sub>12</sub>H<sub>20</sub>O<sub>6</sub>N<sub>2</sub>S<sub>2</sub>** 1) 2,5-Diphenylsulfon-1,4-Di[Acetylaminido]benzol (B. 29, 2028).
- C<sub>12</sub>H<sub>20</sub>O<sub>7</sub>N<sub>4</sub>P** 1) Di[Phenylhydrazid] d. 1-Naphthylphosphorsäure. Sm. 168—169° (B. 27, 2563). — IV, 662.
- 2) Di[Phenylhydrazid] d. 2-Naphthylphosphorsäure. Sm. 198° (B. 27, 2564). — IV, 662.
- C<sub>12</sub>H<sub>20</sub>ON<sub>2</sub>S** 1)  $\alpha$ -[2-Methylphenyl]- $\beta$ -[ $\beta$ -Oxy- $\alpha$ - $\beta$ -Diphenyläthyl]thiobarnstoff. Sm. 156—157° (B. 28, 1903).
- C<sub>12</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Verbindung (aus Di[Diacetymethyl]disulfid u. Benzidin). Zers. oberh. 150° (Bl. [3] 19, 694).
- C<sub>12</sub>H<sub>20</sub>O<sub>2</sub>ClP** 1) Aethylester d. Triphenylchlorphosphidoessigsäure. Sm. 90°. 2 + PtCl<sub>4</sub> (B. 27, 273). — IV, 1661.
- C<sub>12</sub>H<sub>20</sub>O<sub>2</sub>BrP** 1) Aethylester d. Triphenylbromphosphidoessigsäure. Sm. 147° (B. 27, 274). — IV, 1661.
- C<sub>12</sub>H<sub>20</sub>O<sub>2</sub>JP** 1) Aethylester d. Triphenyljodphosphidoessigsäure. Sm. 165—166° (B. 27, 274). — IV, 1661.
- C<sub>12</sub>H<sub>20</sub>O<sub>4</sub>NCl** 1) Chloräthylat d. Berberin + 4H<sub>2</sub>O. — III, 800.
- C<sub>12</sub>H<sub>20</sub>O<sub>4</sub>NJ** 1) Jodäthylat d. Berberin (A. 115, 139; C. 1895 [2] 138). — III, 800.
- C<sub>12</sub>H<sub>20</sub>O<sub>4</sub>NBr** 1) Bromisonarkotin. Sm. 175° (B. 29, 2041). — III, 922.
- C<sub>12</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>S** 1) 3,3'-Diketo-1,5,1',5'-Tetramethyl-2,2'-Diphenyl-2,3,2',3'-Tetrahydro-4,4'-Bipyrazol-2'-Disulfonsäure (Bisantipyridindisulfonsäure) (B. 25, 1951). — IV, 1263.
- C<sub>12</sub>H<sub>20</sub>ON<sub>2</sub>J<sub>3</sub>** 1) Verbindung (aus d. Jodmethylat d. 2-Jodchinolin). Sm. 80—82° (A. 282, 377). — IV, 262.
- C<sub>12</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) Verbindung (aus 8-Oxychinolin). 2 + PtCl<sub>4</sub> + 2H<sub>2</sub>O (M. 10, 671). — IV, 274.
- C<sub>12</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>Br** 1) Verbindung (aus 8-Oxychinolinbromäthylat) + 3H<sub>2</sub>O (J. pr. [2] 54, 7). — IV, 273.
- C<sub>12</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>J** 1) Verbindung (aus 8-Oxychinolin). Sm. 202° (M. 10, 671). — IV, 274.
- C<sub>12</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub>** 1) Di[ $\alpha$ -Acetyl- $\beta$ -Phenacylimido]propyl]disulfid. Sm. 168°. 2HCl (Bl. [3] 19, 693).
- C<sub>12</sub>H<sub>20</sub>O<sub>3</sub>NCl** 1) Chloräthylat d. Cusparin. Sm. 156°. 2 + PtCl<sub>4</sub> (B. 29 [2] 778; C. 1895 [2] 826). — III, 778.
- C<sub>12</sub>H<sub>20</sub>O<sub>3</sub>NJ** 1) Jodmethylest d. Methylicusparin. Sm. 185° (B. 29 [2] 36; C. 1895 [2] 826). — III, 778.
- 2) Jodäthylat d. Cusparin. Sm. 201° (B. 29 [2] 36; C. 1895 [2] 826). — III, 778.
- C<sub>12</sub>H<sub>20</sub>O<sub>3</sub>JP** 1) Jodmethylest d. Phosphorigsäuretri-3-Methylphenylester (B. 31, 1052).
- C<sub>12</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>S<sub>2</sub>** 1) 1,4-Di[Aethylphenylsulfonamido]benzol. Sm. 179° (A. 265, 188). — IV, 594.
- C<sub>12</sub>H<sub>20</sub>O<sub>5</sub>NCl** 1) Chloräthylat d. Homochelidonin (2 + PtCl<sub>4</sub> + 4H<sub>2</sub>O). — III, 806.
- 2) Chloräthylat d. Chelidonin. 2 + PtCl<sub>4</sub>. — III, 805.
- C<sub>12</sub>H<sub>20</sub>O<sub>6</sub>NBr** 1) Bromäthylat d. Papaveraldin (M. 7, 489). — IV, 442.

- C<sub>22</sub>H<sub>24</sub>O<sub>5</sub>NJ** 1) Jodmethylat d. Homochelidonin. — III, 806.  
2) Jodäthylat d. Chelidonin. — III, 805.
- C<sub>22</sub>H<sub>24</sub>O<sub>5</sub>NCl** 1) Chloromethylat d. Hydrastin. 2 + PtCl<sub>4</sub> + AuCl<sub>4</sub>. — II, 2051.
- C<sub>22</sub>H<sub>24</sub>O<sub>5</sub>NJ** 1) Jodmethylat d. Hydrastin. Sm. 208° (B. 19, 2795). — II, 2051.
- C<sub>22</sub>H<sub>24</sub>O<sub>6</sub>N<sub>2</sub>S<sub>2</sub>** 1) Di[ $\gamma$ -Benzoylamidopropylsulfid]-2,2'-Dicarbonsäure (Dipropyl-disulfid- $\gamma$ -Diphthalimidsäure). Sm. 136° (B. 23, 89). — II, 1796.
- C<sub>22</sub>H<sub>24</sub>O<sub>6</sub>N<sub>2</sub>Se<sub>2</sub>** 1) Di[ $\gamma$ -Benzoylamidopropylselenid]-2,2'-Dicarbonsäure (Dipropyl- $\gamma$ -Diselenidphthalimidsäure). Sm. 84° (B. 24, 2135). — II, 1796.
- C<sub>22</sub>H<sub>24</sub>O<sub>6</sub>N<sub>2</sub>S** 1) Di[ $\gamma$ -Benzoylamidopropylsulfon]-2,2'-Dicarbonsäure (Propyleulfonsulfid-diphthalimidsäure). Sm. 181–186° (B. 27, 2176). — II, 1796.
- C<sub>22</sub>H<sub>25</sub>O<sub>5</sub>NCl** 1) Jodmethylat d. Strychnin (J. 1859, 395). — III, 937.
- C<sub>22</sub>H<sub>25</sub>O<sub>5</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) Chloralchinin. Sm. 149° u. Zers. (G. 13, 270). — III, 813.
- C<sub>22</sub>H<sub>25</sub>O<sub>5</sub>N<sub>2</sub>Br** 1) Bromstrychninmethyloxydhydrat + 4H<sub>2</sub>O. Zers. bei 265° (B. 18, 1236). — III, 940.
- C<sub>22</sub>H<sub>25</sub>O<sub>5</sub>NBrJ** 1) Jodmethylat d. Diacetylbrommorphin + 1/2H<sub>2</sub>O. Sm. bei 200° (A. 297, 216).
- C<sub>22</sub>H<sub>26</sub>ON<sub>2</sub>P** 1) 4-Amidophenylid[4-Dimethylamidophenyl] phosphinoxyd. Sm. 182–186° (A. 228, 332). — IV, 1660.
- C<sub>22</sub>H<sub>26</sub>O<sub>5</sub>N<sub>2</sub>Br** 1)  $\alpha\beta$ -Di[ $\alpha$ -Brombutyrylphenylamido]äthan. Sm. 98° (B. 25, 3256). — II, 370.  
2)  $\alpha\beta$ -Di[ $\alpha$ -Bromisobutyrylphenylamido]äthan. Sm. 143° (B. 25, 3257). — II, 370.  
3)  $\alpha\beta$ -Di[ $\alpha$ -Brompropionyl-2-Methylphenylamido]äthan. Sm. 181° (B. 25, 3258). — II, 462.  
4)  $\alpha\beta$ -Di[ $\alpha$ -Brompropionyl-4-Methylphenylamido]äthan. Sm. 182° (B. 25, 3261). — II, 493.
- C<sub>22</sub>H<sub>26</sub>O<sub>4</sub>NCl** 1) Chloräthyлат d. Hydroberberin + 2/3H<sub>2</sub>O. Sm. 225° (wasserfrei). 2 + PtCl<sub>4</sub> + AuCl<sub>4</sub>. — III, 801.  
2) Chloräthyлат d. Papaverin + 4H<sub>2</sub>O. 2 + PtCl<sub>4</sub> (B. 18, 1577; M. 7, 516). — IV, 441.
- C<sub>22</sub>H<sub>26</sub>O<sub>4</sub>NBr** 1) Bromäthyлат d. Hydroberberin. Sm. 250–251°. — III, 801.  
2) Bromäthyлат d. Papaverin + 2H<sub>2</sub>O. Sm. 110–111° (wasserfrei) (B. 18, 1577; J. pr. [2] 47, 525; [2] 56, 334; M. 6, 695; 9, 339; 10, 688). — IV, 441.
- C<sub>22</sub>H<sub>26</sub>O<sub>4</sub>NJ** 1) Jodäthyлат d. Hydroberberin + H<sub>2</sub>O. Sm. 225–226° (A. Spl. 2, 207). — III, 801.  
2) Jodäthyлат d. Papaverin. Sm. 216° (B. 18, 1577). — IV, 441.
- C<sub>22</sub>H<sub>26</sub>O<sub>5</sub>NCl** 1) Chloromethylat d. Diacetylmorphin. 2 + PtCl<sub>4</sub> + H<sub>2</sub>O (A. 222, 209). — III, 899.
- C<sub>22</sub>H<sub>26</sub>ON<sub>2</sub>J** 1) Jodmethylat d. Strychnin + 2H<sub>2</sub>O (A. 301, 314).
- C<sub>22</sub>H<sub>27</sub>O<sub>5</sub>N<sub>2</sub>J** 1) Jodmethylstrychninsäure + H<sub>2</sub>O. Na + H<sub>2</sub>O (A. 264, 55). — III, 942.  
2) Jodmethylisostrychninsäure. Na (A. 264, 76). — III, 943.
- C<sub>22</sub>H<sub>26</sub>O<sub>5</sub>N<sub>2</sub>S<sub>2</sub>** 1) Di[Benzoylmethylamidopropyl]disulfid. Fl. (B. 26, 1081). — II, 1293.
- C<sub>22</sub>H<sub>26</sub>O<sub>7</sub>N<sub>2</sub>S** 1) Phenylhydrazid d. Phenylhydrazonecamphersulfonsäure. HCl (B. [3] 19, 126).
- C<sub>22</sub>H<sub>26</sub>O<sub>5</sub>NJ** 1) Jodmethylat d. Methylthebeninäthyläther. Sm. 215° (B. 32, 184).
- C<sub>22</sub>H<sub>26</sub>O<sub>5</sub>NCl** 1) Chlorcorydalin. Sm. 188–191° (Soc. 67, 17).  
2) Chloromethylat d.  $\alpha$ -Acetylmethylmorphimethin + 2/3H<sub>2</sub>O. 2 + PtCl<sub>4</sub> + 4H<sub>2</sub>O (A. 222, 225). — III, 905.  
3) Chloromethylat d.  $\beta$ -Acetylmethylmorphimethin. 2 + PtCl<sub>4</sub> (A. 222, 229). — III, 905.  
4) Chloräthyлат d. Acetylcodein + 1/2H<sub>2</sub>O. 2 + PtCl<sub>4</sub> (Soc. 28, 318). — III, 905.
- C<sub>22</sub>H<sub>26</sub>O<sub>4</sub>NJ** 1) Jodmethylat d. Corybulbin (Soc. 67, 28). — III, 877.  
2) Jodmethylat d.  $\alpha$ -Acetylmethylmorphimethin. Sm. 207° (B. 27, 1146). — III, 905.  
3) Jodmethylat d.  $\beta$ -Acetylmethylmorphimethin (B. 27, 1146). — III, 905.  
4) Jodäthyлат d. Acetylcodein + 1/2H<sub>2</sub>O (Soc. 28, 318). — III, 905.
- C<sub>22</sub>H<sub>26</sub>O<sub>4</sub>Br<sub>2</sub>** 1) Diosoamyläther d. Dibromdioxydiphenylsulfon. Sm. 100° (A. 172, 57). — II, 840.
- C<sub>22</sub>H<sub>26</sub>O<sub>5</sub>N<sub>2</sub>S** 1) Diosoamyläther d. s-Dinitrodioxydiphenylsulfon. Sm. 150–151° (A. 172, 57). — II, 840.

- $C_{22}H_{29}ON_2J$  1) Jodmethylat d. Desoxystrychnin (*A.* **268**, 251). — III, 944.  
 2) Jodmethylat d. Dimethyleinchonin. Sm. 175—177° (*A.* **277**, 286). — III, 833.
- $C_{22}H_{29}O_2N_2Cl$  1) Chloräthylat d. Chinin + 3H<sub>2</sub>O. (HCl, PtCl<sub>4</sub>) (*Soc.* **26**, 1180). — III, 814.  
 2) Chloräthylat d. Conchinin + H<sub>2</sub>O. (HCl, PtCl<sub>4</sub>) (*Soc.* **26**, 1183). — III, 825.
- $C_{22}H_{29}O_2N_2Br$  1) Bromäthylat d. Chinin + 2H<sub>2</sub>O (*Soc.* **26**, 1180). — III, 814.  
 2) Bromäthylat d. Conchinin + H<sub>2</sub>O. Sm. 238° u. Zers. (*A.* **269**, 233). — III, 825.
- $C_{22}H_{29}O_2N_2J$  1) Jodmethylat d. Methylchinin + H<sub>2</sub>O. Sm. 215—218° (*B.* **14**, 80). — III, 814.  
 2) Jodmethylat d. Tetrahydrostrychnin + H<sub>2</sub>O (*A.* **301**, 321).  
 3)  $\alpha$ -Jodäthylat d. Chinin. Sm. 210—211° u. Zers. (*A.* **91**, 163; *B.* **14**, 78; *Soc.* **26**, 1180; *J.* **1882**, 1109). — III, 814.  
 4)  $\beta$ -Jodäthylat d. Chinin + 3H<sub>2</sub>O. Sm. 93°. HJ + 3H<sub>2</sub>O (*M.* **15**, 47). — III, 814.  
 5) Jodäthylat d. Conchinin + H<sub>2</sub>O. Sm. 248° u. Zers. (*A.* **129**, 20; **269**, 233; *Soc.* **26**, 1183). — III, 825.
- $C_{22}H_{29}O_2N_2J_2$  1) Jodid d. Chinininjodäthylat (*J. pr.* [2] **3**, 146). — III, 814.
- $C_{22}H_{29}O_2N_2J$  1) Jodäthylat d. Cinchotinin. Zers. bei 212—213° (*M.* **15**, 792). — III, 841.
- $C_{22}H_{30}ON_2Br_2$  1) Brommethyletbromäthylat d. Cinchonin. Sm. 197° (*B.* **13**, 2294). — III, 834.
- $C_{22}H_{30}ON_2J_2$  1) Jodmethyletbodäthylat d. Cinchonidin. Sm. 255° u. Zers. + 2H<sub>2</sub>O (Sm. 243—245°) (*J.* **1882**, 1109; *A.* **269**, 258). — III, 852.
- $C_{22}H_{30}ON_2P$  1) Diphenylmonamid d. Dipiperidylphosphinsäure. Sm. 200° (*B.* **28**, 616). — IV, II.
- $C_{22}H_{30}O_2N_2Cl_2$  1) Di[Chlormethylat] d. Chinin. + PtCl<sub>4</sub> + 2H<sub>2</sub>O, + 2AuCl<sub>3</sub> (*A.* **266**, 242). — III, 814.
- $C_{22}H_{30}O_2N_2J_2$  1) Di[Jodmethylat] d. Chinin + 3H<sub>2</sub>O. Sm. 167—168° u. Zers. (*B.* **14**, 77; *Bl.* [3] **7**, 306; *A.* **266**, 241). — III, 814.  
 2) Di[Jodmethylat] d. Conchinin + 1½H<sub>2</sub>O. Sm. 156° u. Zers. (*A.* **269**, 235). — III, 825.
- $C_{22}H_{30}O_2NJ$  1) Jodmethylat d. Diäthylmorphin (*B.* **15**, 2181). — III, 899.
- $C_{22}H_{30}O_4N_2S_2$  1) Diphenylsulfonoktohydronikotin. Sm. 143,5° (*B.* **26**, 768, 1031). — IV, 486.
- $C_{22}H_{30}O_4N_2(Hg_2)$  1) Diacetat d. Quecksilberammoniumbase  $C_{18}H_{26}O_2N_2Hg_2$ . Sm. 131,5° (*G.* **28** [2] 103). — IV, 1711.
- $C_{22}H_{30}O_4N_2Cl$  1) Chlormethylat (aus d. Verbindung  $C_{18}H_{24}O_4N_2$ ). 2 + PtCl<sub>4</sub> (*B.* **20**, 458). — III, 948.
- $C_{22}H_{31}O_2N_2J$  1) Jodmethylester (aus d. Verb.  $C_{19}H_{24}O_2N_2$ ) (*B.* **20**, 458). — III, 948.
- $C_{22}H_{31}O_2N_2(P_2)$  Guanylsäure (*H.* **26**, 137). — IV, 1624.
- $C_{22}H_{31}N_2Cl_2Hg_1$  Dichlormethylat d. Quecksilberdi[4-Diäthylamidophenyl] (*G.* **28** [2] 451). — IV, 1707.
- $C_{22}H_{34}N_2J_2Hg_1$  Dijodmethylester d. Quecksilberdi[4-Diäthylamidophenyl]. Sm. 202,8° u. Zers. (*G.* **28** [2] 451). — IV, 1707.
- $C_{22}H_{37}N_2ClP$  1) Benzyl-1-Tripiperidylphosphoniumchlorid (*B.* **28**, 2211).

 **$C_{22}$ -Gruppe mit fünf Elementen.**

- $C_{22}H_{19}O_3NBrs$  1) Phenylester d.  $\alpha$ -Benzylamido- $\alpha$ -Merkaptopropion-4-Bromphenyläthersäure. Sm. 143° (120°) (*H.* **20**, 429, 440).  
 $C_{22}H_{22}O_4N_2Br_2S$  1) 1,4-Di $\beta$ -Bromäthylphenylsulfonamido]benzol. Sm. 192° (*A.* **272**, 232). — IV, 594.
- $C_{22}H_{24}O_4N_2BrJ$  1) Jodmethylat d.  $\alpha$ -Bromstrychnin (*B.* **18**, 1236). — III, 940.

 **$C_{23}$ -Gruppe mit einem Element.**

- $C_{23}H_{18}$  C 93,9 — H 6,1 — M. G. 294.  
 1) Diphenylnaphthylmethan (2 isom. Modif.). Sm. 134° u. Sm. 149° (*B.* **13**, 358). — II, 299.

- C<sub>23</sub>H<sub>16</sub>**      2) **1,3,4-Triphenyl-R-Penten.** Sm. 149° (*A. 302*, 238). C 92,6 — H 7,4 — M. G. 298.
- C<sub>23</sub>H<sub>22</sub>**      1) **1,2,4-Triphenyl-R-Pentamethylen.** Sm. 285°<sub>so</sub> (*A. 302*, 239). C 92,0 — H 8,0 — M. G. 300.
- C<sub>23</sub>H<sub>24</sub>**      1) **2,4-Dibenzyl-1,3,5-TrimethylbenzolP.** Sm. 131°; Sm. 355°<sub>12</sub>, (*A. ch. 6*) 6, 197. — **II.** 291.
- C<sub>23</sub>H<sub>30</sub>**      2) **2,5,2',5'-Tetramethyltriphenylmethan.** Sm. 92,5°; Sm. über 360° (*J. pr. [2] 35*, 476). — **II.** 290. C 89,6 — H 10,4 — M. G. 308.
- C<sub>23</sub>H<sub>32</sub>**      1) **Benzylpentadithiobenzol.** Sm. 88—89%; Sm. oberh. 360° (*Bl. [3] 7*, 654). — **II.** 243. C 87,3 — H 12,7 — M. G. 316.
- C<sub>23</sub>H<sub>40</sub>**      1) **2-Hexadekyl-1-Methylbenzol.** Sm. 8—9%; Sm. 238,5—239°<sub>15</sub>, (*B. 21*, 3181). — **II.** 40.
- 2) **3-Methylhexadekyl-1-Methylbenzol.** Sm. 11—12%; Sm. 236,5—237°<sub>15</sub> (*B. 21*, 3182). — **II.** 40.
- 3) **4-Hexadekyl-1-Methylbenzol.** Sm. 27,5%; Sm. 239,5—240°<sub>15</sub> (*B. 21*, 3182). — **II.** 40.
- C<sub>23</sub>H<sub>46</sub>**      1) norm. **Trikosan.** Sm. 47,7%; Sm. 234°<sub>15</sub> (142,5%) (*B. 15*, 1713; *21*, 2261; *29*, 1323). — **I.** 107.

### C<sub>23</sub>-Gruppe mit zwei Elementen.

- C<sub>23</sub>H<sub>13</sub>O<sub>4</sub>**      C 78,4 — H 3,4 — O 18,2 — M. G. 352.
- 1) **Picenchinoncarbonsäure.** Sm. bei 360°. Ag (*A. 284*, 77). — **II.** 1916. C 69,0 — H 3,0 — O 28,0 — M. G. 400.
- 1) **Anhydrid d. Acetylfluorescein-3-Carbonsäure.** Sm. oberh. 300° (*A. 290*, 237).
- C<sub>23</sub>H<sub>14</sub>O<sub>2</sub>**      C 85,7 — H 4,3 — O 9,9 — M. G. 322.
- 1) **Picencarbonsäure.** Sm. 245°. Ag (*A. 284*, 79).
- C<sub>23</sub>H<sub>14</sub>O<sub>4</sub>**      C 78,0 — H 3,9 — O 18,1 — M. G. 354.
- 1) **Benzozat d.  $\beta$ -Oxy- $\beta$ -Phenyl-1,4-Naphtochinon** (*A. 226*, 34). — **III.** 461.
- C<sub>23</sub>H<sub>14</sub>O<sub>6</sub>**      C 71,5 — H 3,6 — O 24,9 — M. G. 386.
- 1) **Lakton d.  $\alpha$ -[2-Oxy-3,4-Dibenzoxyphenyl]äthen- $\beta$ -Carbonsäure** (Dibenzoat d. Daphnetin). Sm. 152° (*B. 12*, 113; *17*, 935). — **II.** 1950.
- 2) **Dibenzoat d. Verbindung C<sub>9</sub>H<sub>8</sub>O<sub>4</sub>.** Sm. 205—206° (*B. 27*, 528). — **III.** 656.
- C<sub>23</sub>H<sub>15</sub>N**      C 90,4 — H 4,9 — N 4,6 — M. G. 305.
- 1) **Phenylbenz- $\beta$ -Naphtoakridin.** Sm. 198°. HCl, (2HCl, PtCl<sub>4</sub>) (*B. 17*, 1505). — **IV.** 477.
- C<sub>23</sub>H<sub>16</sub>O<sub>2</sub>**      C 85,2 — H 4,9 — O 9,9 — M. G. 324.
- 1) **2-Diphenylmethyl-1,4-Naphtochinon.** Sm. 185° (*B. 31*, 2351).
- 2) **2-Phenyl-4-Benzoylmethylen-1,4-Cumarin** (Phenacylidienflavan). Sm. 131° (*B. 31*, 712).
- 3) **Lakton d.  $\gamma$ -Oxy- $\alpha\beta$ -Triphenyl- $\alpha\gamma$ -Butadien- $\alpha\beta$ -Carbonsäure** (Benzaldiphenylmaleid). Sm. 175—176° (*B. 24*, 3229). — **II.** 1728.
- 4) **Acetat d. Piclylcarbinol.** Sm. 159° (*A. 284*, 70).
- C<sub>23</sub>H<sub>16</sub>O<sub>1</sub>**      C 81,2 — H 4,7 — O 14,1 — M. G. 340.
- 1) **Oxybenzaldiphenylmaleid.** Sm. 205° (*B. 24*, 3856). — **II.** 1915.
- 2) **1,3-Diketo-2-Benzoyl-2-[3-Methylphenyl]-2,3-Dihydroinden.** Sm. 112—113° (*B. 28*, 1390). — **III.** 322.
- C<sub>23</sub>H<sub>16</sub>O<sub>4</sub>**      C 77,5 — H 4,5 — O 18,0 — M. G. 356.
- 1) **Lakton d.  $\beta$ -Oxy- $\alpha$ -Benzoyl- $\alpha\beta$ -Diphenyläthan- $\alpha$ -Ketocarbonsäure.** Sm. 137° (*B. 31*, 2223).
- C<sub>23</sub>H<sub>16</sub>O<sub>6</sub>**      C 71,1 — H 4,1 — O 24,7 — M. G. 388.
- 1) **Benzoylphyscion.** Sm. 171° (*A. 284*, 182). — **III.** 641.
- 2) **Diäthylester d. Di'3-Oxy-1-Naphthyl)methan-2,2'-Dicarbonsäure.** Zers. bei 250° (*B. 25*, 3215). — **II.** 2038.
- 3) **Diacetat d. Verbindung C<sub>19</sub>H<sub>12</sub>O<sub>4</sub>.** Sm. 178—182° (*B. 26*, 1141). — **II.** 1044.

- C<sub>23</sub>H<sub>16</sub>O<sub>5</sub>** C 65,7 — H 3,8 — O 30,5 — M. G. 420.  
 1) **Acetat d. Säure C<sub>21</sub>H<sub>14</sub>O<sub>7</sub>** (aus 4-Oxybenzol-1-Carbonsäure). Sm. 230° (J. pr. [2] 28, 208). — **II, 1529.**
- C<sub>23</sub>H<sub>16</sub>O<sub>10</sub>** C 61,1 — H 3,5 — O 35,4 — M. G. 452.  
 1) **Podophylloquercetin.** Sm. 275—277° (B. 15 [2] 378; 24 [2] 646). — **III, 645.**
- C<sub>23</sub>H<sub>16</sub>O<sub>13</sub>** C 81,2 — H 4,7 — O 14,1 — M. G. 340.  
 1) **Verbindung** (aus Trioxylfluorodicarbonsäure). Sm. 140,5—141,5° (B. 31, 269).
- C<sub>23</sub>H<sub>16</sub>N<sub>2</sub>** C 86,2 — H 5,0 — N 8,7 — M. G. 320.  
 1) **2,3-Diphenyl-*n*-Naphthimidazol.** Sm. 142—143°. HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> (B. 26, 2829). — **IV, 1061.**
- C<sub>23</sub>H<sub>16</sub>N<sub>4</sub>** C 79,3 — H 4,6 — N 16,1 — M. G. 348.  
 1) **Verbindung** (aus d. Base C<sub>16</sub>H<sub>15</sub>N<sub>4</sub>). Sm. 137—139° (A. 255, 354). — **IV, 1172.**
- C<sub>23</sub>H<sub>16</sub>Br,** **C<sub>23</sub>H<sub>17</sub>N** C 80,9 — H 5,5 — N 4,6 — M. G. 307.  
 1) **α-[1-Naphthyl]imidodiphenylmethan** (A. 187, 215). — **III, 188.**  
 2) **2,4,6-Triphenylbenzonitril.** Sm. 137,5° (A. 302, 240).  
 3) **Acetophenin.** Sm. 135°. HCl, (2HCl, PtCl<sub>4</sub>) (B. 6, 639; A. 238, 27). — **III, 130.**
- C<sub>23</sub>H<sub>17</sub>N<sub>3</sub>** C 82,4 — H 5,1 — N 12,5 — M. G. 335.  
 1) **5-Amido-2-Phenyl-1-[2-Naphthyl]benzimidazol.** Sm. 195°. + 1/2H<sub>2</sub>O (Sm. 166°) (Bl. [3] 17, 871). — **IV, 1181.**
- C<sub>23</sub>H<sub>18</sub>O** 2) **5-Phenylamido-10-Methyl-*α*-Naphtophenazin.** Sm. 214°. (2HCl, PtCl<sub>4</sub>) (B. 23, 3807). — **IV, 1210.**  
 3) **2,3-Diphenyl-2,3-Dihydro-1,2,4-Naphthisotriazin.** Sm. 193°. HCl (Soc. 57, 329; 59, 681; B. 23, 506). — **IV, 1394.**  
 4) **Methylrosindulin.** Sm. 180—181°. (HCl + AuCl<sub>3</sub>), Nitrat (B. 30, 1829; 31, 2430). — **IV, 1205.**
- C<sub>23</sub>H<sub>17</sub>N<sub>5</sub>** C 76,0 — H 4,7 — N 19,3 — M. G. 363.  
 1) **1,1-Dinaphthylguanidincyanid** (A. 98, 242). — **II, 605.**
- C<sub>23</sub>H<sub>18</sub>O** C 89,0 — H 5,2 — M. G. 310.  
 1) **Anhydro- $\beta\beta$ -Di[1-Oxy- $\beta$ -Naphthyl]propan.** Sm. 186° (J. r. 23, 603). — **II, 1008.**
- C<sub>23</sub>H<sub>18</sub>O<sub>2</sub>** C 84,7 — H 5,5 — O 9,8 — M. G. 326.  
 1) **1,3-Diketo-5-Methyl-2-Phenyl-2-Benzyl-2,3-Dihydroinden.** Sm. 120 bis 121° (B. 29, 2378).  
 2) **Aethyläther d. 9-Keto-10-[ $\alpha$ -Oxybenzyliden]-9,10-Dihydroanthracen.** Sm. 171—173° u. Zers. (B. 23, 2529). — **III, 245.**  
 3) **Lakton d.  $\gamma$ -Oxy- $\alpha\beta\delta$ -Triphenyl- $\alpha$ -Buten- $\alpha$ -Carbonsäure.** Sm. 127 bis 128° (B. 24, 3861). — **II, 1727.**  
 4) **Lakton d.  $\beta$ -Dehydroamarsäure.** Sm. 129—130° (A. 275, 78). — **II, 1727.**
- C<sub>23</sub>H<sub>18</sub>O<sub>3</sub>** C 80,7 — H 5,3 — O 14,0 — M. G. 342.  
 1) **Acetat d. Benzylxanthanol.** Sm. 281° (B. 23, 1568). — **III, 245.**  
 2) **Lakton d.  $\gamma\gamma$ -Dioxy- $\beta\beta$ -Triphenyl- $\alpha$ -Buten- $\alpha$ -Carbonsäure<sup>P</sup> (Benzyl-oxidophenylmaleid). Sm. 183—185° (B. 24, 3857). — **II, 1729.**  
 3) **Anhydrid d.  $\alpha\beta\gamma$ -Triphenylpropan- $\alpha\gamma$ -Dicarbonsäure.** Sm. 198° (B. 31, 3063).  
 4) **isom. Anhydrid d.  $\alpha\beta\gamma$ -Triphenylpropan- $\alpha\gamma$ -Dicarbonsäure.** Sm. bei 180° (B. 31, 3063).  
 5) **Anhydrid d.  $\alpha\beta\gamma$ -Triphenylpropan- $\beta\beta$ -Dicarbonsäure.** Sm. 191° (B. 20, 2497). — **II, 1913.****
- C<sub>23</sub>H<sub>18</sub>O<sub>4</sub>** C 77,1 — H 5,0 — O 17,9 — M. G. 358.  
 1)  **$\beta$ -Benzyläther d.  $\alpha\beta$ -Dioxy- $\beta$ -Diketo- $\alpha$ -Diphenyl- $\alpha$ -Buten.** Sm. 182 bis 183° (B. 27, 716). — **III, 317.**  
 2) **Aethylester d.  $\beta\beta$ -Dibenzoylbenzol-1-Carbonsäure.** Sm. 106,5—107° (B. 7, 1155). — **II, 1914.**
- C<sub>23</sub>H<sub>18</sub>O<sub>5</sub>** C 73,8 — H 4,8 — O 21,4 — M. G. 374.  
 1) **3,4,3',4'-Dimethylenäther d.  $\alpha$ -Keto- $\alpha$ -Di[3,4-Dioxyphenyl]- $\alpha\gamma\beta\beta$ -Nonatetraen.** Sm. 198—199° (B. 28, 1193). — **III, 259.**  
 2) **Aethylester d.  $\beta$ -Benzoxyl-3-Benzoylbenzol-1-Carbonsäure.** Sm. 87° (A. 240, 169).



- 1) C 70,8 — H 4,6 — O 24,6 — M. G. 300.  
 1) meso- $\alpha\beta$ -Dibenzoxyl- $\beta$ -Phenylpropionsäure. Sm. 187° u. Zers. (B. 16, 1289). — II, 1761.

2) Diacetat d.  $\alpha$ -Aurinoxid (M. 16, 374).

3) Diacetat d.  $\beta$ -Aurinoxid (M. 16, 374).



C 60,8 — H 4,0 — O 35,2 — M. G. 454.

- 1) Tetracetat d. Fisetin. Sm. 200—201° (196—198°) (B. 19, 1742; C. 1898 [2] 741; Soc. 71, 1195). — III, 584.  
 2) Tetracetat d. Luteolin. Sm. 223—226° (213—215°) (Soc. 69, 209; B. 29, 1013; M. 17, 422). — III, 585.



3) Verbindung (aus Maclurin). Sm. 181—182° (B. 27, 1629). — III, 207.

C 80,7 — H 5,3 — O 14,0 — M. G. 342.



1) 3,4,5,6-Tetraacetoxyxanthan-1,8-Dicarbonsäure. Sm. 241° (B. 31, 271).

C 85,7 — H 5,6 — N 8,7 — M. G. 322.

- 1) Di[2-Methylamido- $\beta$ -Naphthyl]methan. Sm. 202—203°. Nitrit, Pikrat (J. pr. [2] 35, 319; Soc. 73, 542, 551). — IV, 1076.

2) 4-Benzylidenamido-1-Phenylamidonaphthalin. Sm. 109° (A. 286, 184). — IV, 922.

3)  $\alpha$ -Imido- $\alpha$ -(Phenyl-2-Naphthyl)amido- $\alpha$ -Phenylmethan (Benzylphenyl-2-Naphthylamidin). Sm. 147° (B. 30, 1783). — IV, 845.

4)  $\alpha$ -Phenylimido- $\alpha$ -Phenylamido-1-Naphthylmethan (1-Naphthendiphenylamidin). Sm. 183,5° (B. 16, 642). — IV, 956.

5) 2,6-Diphenyl-3-Benzyl-1,4-Diazin. Sm. 95° (Soc. 63, 1372). — IV, 1088.

6) 2,3-Diphenyl-1,2-Dihydro- $\alpha$ -Naphthimidazol. Sm. 138° (B. 25, 2828). — IV, 920.

7) Nitrit d.  $\alpha\beta\gamma$ -Triphenylpropan- $\alpha\gamma$ -Dicarbonsäure. Sm. 137—138° (B. 31, 3060).



C 78,8 — H 5,1 — N 16,0 — M. G. 350.

- 1) 3-Phenyl-2-[3-Amidophenyl]-2,3-Dihydro-1,2,4-Naphthoisotiazin. Sm. 190—191° (Soc. 59, 700). — IV, 1395.



1) Thiönltriphenylmethan (2[oder 3]-Triphenylmethyliothiophen). Sm. 237°; Sd. 433—438° u. ger. Zers. (B. 28, 1537; 29, 1402). — III, 749.



C 89,3 — H 6,1 — N 4,5 — M. G. 309.  
 1) 2,5-Diphenyl-1-[2-Methylphenyl]pyrrol. Sm. 114—115°; Sd. oberh. 300° (B. 22, 3089). — IV, 438.

2) 2,5-Diphenyl-1-[4-Methylphenyl]pyrrol. Sm. 201° (181°) (B. 22, 3090; 31, 2718). — IV, 438.



C 81,9 — H 5,6 — N 12,5 — M. G. 337.

1) Diphenyl-1-Naphthylguanidin. Sm. 155° (B. 3, 7). — II, 604.

2) 2-[4-Methylphenyl]amido-1-Phenylazonaphthalin. Sm. 156° (152°) (B. 23, 1327; 25, 2846). — IV, 1397.

3) 4-[4-Methylphenyl]amido-1-Phenylazonaphthalin. Sm. 144° (A. 256, 256). — IV, 1397.

4) 2-Phenylamido-1-[4-Methylphenyl]azonaphthalin. Sm. 120° (B. 23, 1325). — IV, 1400.



C 88,5 — H 6,4 — O 5,1 — M. G. 312.

1) 2-Keto-1,3-Dicinnamyliden-R-Pentamethylen. Sm. 215—218° u. Zers. (B. 29, 1838).



C 84,2 — H 6,1 — O 9,7 — M. G. 328.

1)  $\alpha\beta$ -Diketo- $\alpha\gamma$ -Triphenylpenten. Sm. 85° (B. 29, 1493). — III, 307.

2) 2,4-Dibenzoyl-1,3,5-Trimethylbenzol. Sm. 117°; Sd. bei 300° (A. ch. [6] 6, 234; B. 28, 3208). — III, 307.

3) 2,3,5-Triphenyltetrahydro-1,4-Pyron. Sm. 153° (M. 18, 440; 19, 414).

4) Lakton d. Amarsäure. Sm. 140,5° (J. 1877, 812; A. 276, 67). — II, 1725.

5) Benzoat d.  $\beta$ -Oxyphenyl-1,2,3,4-Tetrahydronaphthalin. Sm. 107—108° (B. 24, 181). — II, 1148.

C 80,2 — H 5,8 — O 14,0 — M. G. 344.



1)  $\alpha\delta$ -Diketo- $\gamma$ -[2-Oxyphenyl]- $\alpha\epsilon$ -Diphenylpenten (2-Oxybenzaldiacetophenon). Sm. 131° (B. 29, 242). — III, 307.

2)  $\gamma$ -Oxy- $\alpha\beta\delta$ -Triphenyl- $\alpha$ -Buten- $\alpha$ -Carbonsäure. Sm. 173—174°. Ag (B. 24, 3862). — II, 1727.

3)  $\alpha$ -Dehydroamarsäure. Sm. 173°. Ag (A. 275, 76). — II, 1727.

4)  $\beta$ -Dehydroamarsäure. Sm. 238°. Ag (A. 275, 76). — II, 1727.

- C<sub>22</sub>H<sub>20</sub>O<sub>8</sub>** 5) **Bensoat d.  $\beta$ -Oxy- $\alpha$ -Keto- $\alpha\beta$ -Di[4-Methylphenyl]äthan.** Sm. 119° (B. 22, 381). — III, 235.  
C 76,7 — H 5,5 — O 17,8 — M. G. 360.
- C<sub>23</sub>H<sub>20</sub>O<sub>4</sub>** 1) **Homo-o-Kresylphthaléin** (Ih. [3], 21, 71).  
2) **Diacetat d. 4,4'-Dioxytriphenylmethan.** Sm. 109—111° (B. 22, 1944). — II, 1003.  
3)  **$\alpha\beta$ -Triphenylpropan- $\alpha\gamma$ -Dicarbonsäure.** Sm. 236—237° u. Zers. + C<sub>6</sub>H<sub>6</sub>O, Ag<sub>2</sub> (B. 31, 3061).  
4) **Verbindung (aus Fuchsin) + H<sub>2</sub>O** (M. 16, 398). C 73,4 — H 5,3 — O 21,3 — M. G. 376.
- C<sub>23</sub>H<sub>20</sub>O<sub>5</sub>** 1) **Trimethyläther d. 2,4-Dibenzoyl-1,3,5-Trioxobenzol.** Sm. 179° (B. 27, 1499). — III, 305.  
2) **Diacetat d.  $\alpha$ ,4,4'-Trioxotriphenylmethan.** Sm. 119° (A. 217, 227). — II, 1115.  
3) **Aesthelester d. Propionylisophenanthroxylenacetessigsäure.** Sm. 134° (Soc. 59, 17). — II, 1909.  
C 70,4 — H 5,1 — O 24,5 — M. G. 392.
- C<sub>23</sub>H<sub>20</sub>O<sub>6</sub>** 1) **Diäthylester d. 2,6-Diphenyl-1,4-Pyron-3,5-Dicarbonsäure.** Sm. 140,5° u. Zers. (B. 23, 3738; A. 261, 189). — II, 2038.
- C<sub>23</sub>H<sub>20</sub>O<sub>n</sub>** 1) **Triacetat d. 5,6,7-Trioxo-1,2,4-Trimethyl-9,10-Anthrachinon.** Sm. 174° (A. 240, 291). — III, 457.  
2) **Triäthylester d. 9,10-Diketo-9,10-Dihydroanthracen-1,2,4-Tri-carbonsäure.** Sm. 125° (J. pr. [2] 41, 128). — II, 2086.  
3) **Verbindung (aus Phloretin).** Sm. 173° (B. 27, 1631, 2688). — III, 230. C 60,5 — H 4,4 — O 35,1 — M. G. 456.
- C<sub>23</sub>H<sub>20</sub>O<sub>10</sub>** 1) **Caprinsäure** (J. pr. [2] 57, 427).  
2) **Triacetat d. Quercetindimethyläther.** Sm. 154—155° (Soc. 67, 498). — III, 604.  
C 58,5 — H 4,2 — O 37,3 — M. G. 472.
- Tetracetat d. Anhydro- $\alpha$ -Di[2,3,4(P)Trioxophenyl]propionsäure.** Zers. bei 200° (B. 18, 2408). — II, 2078.
- C<sub>23</sub>H<sub>20</sub>N<sub>2</sub>** 1) **2-Phenylhydrazon-4,5-Diphenyl-2,3-Dihydro-R-Penten.** Sm. 170 bis 180° u. Zers. (Soc. 51, 423). — III, 251.  
2)  **$\gamma$ -Diphenylmethylenehydrazon- $\alpha$ -Phenyl- $\alpha$ -Buten.** Sm. 126° (J. pr. [2] 44, 206). — III, 187.  
3) **1-Aethyl-2,4,5-Triphenylimidazol** (Aethyllophiu). Sm. 234°. (2HCl, PtCl<sub>4</sub>) (M. 17, 305).  
4) **2,6-Diphenyl-4-Benzyl-1,4-Dihydro-1,4-Diazin.** HCl + 3 H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (Soc. 63, 1365). — IV, 1030.  
5) **Verbindung (aus Benzylecyanid).** Sm. 212—215° (J. pr. [2] 52, 114 Ann.). C 78,4 — H 5,7 — N 15,9 — M. G. 352.
- C<sub>23</sub>H<sub>20</sub>N<sub>4</sub>** 1) **Arabin + 8H<sub>2</sub>O.** Sm. 229°. 2HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub>, 2H<sub>2</sub>SO<sub>4</sub>. — III, 780.  
2) **Blausäures Hydrobenzamid.** Sm. 55°. 2HCl (B. 13, 2119). — III, 36. C 72,6 — H 5,3 — N 22,1 — M. G. 380.
- C<sub>23</sub>H<sub>20</sub>N<sub>6</sub>** 1) **m-Phenyldiamindisazo-p-Toluol- $\beta$ -Naphthalin** (B. 16, 2031). — IV, 1401.
- C<sub>23</sub>H<sub>20</sub>S** 1) **Triphenylmethan + Thiophen** (B. 26, 853). C 75,2 — H 5,7 — N 19,1 — M. G. 367.
- C<sub>23</sub>H<sub>21</sub>N<sub>5</sub>** 1) **Cyanid d. Phenylidi[2-Methylphenyl]guanidin.** HCl + H<sub>2</sub>O (B. 13, 994). — II, 460.  
2) **Cyanid d. Phenylidi[4-Methylphenyl]guanidin + 1/2H<sub>2</sub>O.** Sm. 110 bis 115° (B. 11, 975). — II, 489.
- C<sub>23</sub>H<sub>20</sub>O** 1)  **$\alpha$ -Keto- $\beta$ -Diphenyl- $\alpha$ -[2,4(P)-Dimethylphenyl]propan.** Sd. 365—375° (B. 24, 3541). — III, 260.  
2)  **$\alpha$ -Keto- $\beta$ -Diphenyl- $\alpha$ -[2,5-Dimethylphenyl]propan.** Sm. 60,5°; Sd. 370—380° (B. 24, 3542). — III, 260.  
3)  **$\alpha$ -Keto- $\beta$ -Diphenyl- $\alpha$ -[3,4-Dimethylphenyl]propan.** Sm. 75° (B. 24, 3541). — III, 260.  
4)  **$\alpha$ -Keto- $\gamma$ -Phenyl- $\alpha$ - $\beta$ -Di[4-Methylphenyl]propan.** Sm. 92—93° (B. 22, 383). — III, 260.

- $C_{23}H_{22}O_2$  C 83,6 — H 6,7 — O 9,7 — M. G. 330.  
 1) **1,2-Dioxy-1,2,4-Triphenyl-R-Pentamethylen.** Sm. 142° (A. 302, 237).  
 2) **Aethylester d.  $\beta\beta\beta$ -Triphenylpropionsäure.** Sm. 81° (Soc. 51, 228). — II, 1483.  
 3) **Phenylmesitylcarbinolester d. Benzolcarbonsäure.** Sm. 94° (A. ch. [6] 6, 217). — II, 1444.
- $C_{23}H_{22}O_3$  C 79,8 — H 6,3 — O 13,9 — M. G. 346.  
 1)  $\alpha\epsilon$ -Diketo- $\gamma$ -[2-Furanyl]- $\alpha\epsilon$ -Di[4-Methylphenyl]pentan (Furaldimethyl-p-Tolylketon). Sm. 112—113° (B. 29, 2249). — III, 730.  
 2) **Amarsäure +  $H_2O$ .** Na +  $2H_2O$ , K, Ca, Ba +  $2H_2O$ , Ag (J. 1870, 586; 1877, 812; J. r. 9, 298; A. 275, 67). — II, 1725.
- $C_{23}H_{22}O_4$  C 76,2 — H 6,1 — O 17,7 — M. G. 362.  
 1) **Leukoderivat d. Verbindung**  $C_{23}H_{22}O_4$  (aus Fuchsin) (M. 18, 400).  
 $C_{23}H_{22}O_6$  C 70,1 — H 5,6 — O 24,3 — M. G. 394.  
 1) **Ononetin (J. 1855, 715).** — III, 599.  
 $C_{23}H_{22}O_8$  C 64,8 — H 5,2 — O 30,0 — M. G. 426.  
 1) **Erlenroth.** Pb, (J. 1870, 859). — III, 590.  
 $C_{23}H_{22}O_9$  C 62,4 — H 5,0 — O 32,6 — M. G. 442.  
 1)  $\alpha,2\epsilon,2'$ -Dilaktion d.  $\alpha\epsilon$ -Dioxy- $\gamma$ -Keto- $\alpha\epsilon$ -Di[3,4-Dimethoxyphenyl]-pentan-2,2'-Dicarbonsäure (Dimekonindimethylketon). Sm. 151° (M. 12, 475; 14, 308). — II, 2103.  
 2) **Acetylruflin (A. 156, 7).** — III, 601.  
 3) **Tetraacetat d. Phloretin.** Sm. 94° (A. 156, 2; B. 27, 2686; 28, 1395). — III, 230.  
 $C_{23}H_{22}O_{10}$  C 60,3 — H 4,8 — O 34,9 — M. G. 458.  
 1) **Weintraubensärbstoff (Bl. 32, 104).** — III, 673.
- $C_{23}H_{22}N_2$  C 84,7 — H 6,7 — N 8,6 — M. G. 326.  
 1) **Aethylamarin.** Sm. 163°. HJ (B. 18, 3079). — III, 23.  
 2) **Dimethylamarin.** Sm. 146°. (2HCl, PtCl<sub>4</sub>). HJ (B. 13, 1419; 15, 2326; 18, 3079). — III, 23.  
 3)  $\alpha\beta$ -Di[1-Naphthylamido]propan. HCl (B. 25, 3278). — II, 601.  
 4)  $\alpha\beta$ -Di[2-Naphthylamido]propan. HCl (B. 25, 3279). — II, 604.  
 5) **6-Methyl-1-Aethyl-2,3-Diphenyl-1,2-Dihydro-1,4-Benzodiazin.** Sm. 129° (B. 26, 203). — IV, 1076.
- $C_{23}H_{22}N_4$  C 78,0 — H 6,2 — N 15,8 — M. G. 354.  
 1) **1,3-Di[Phenylhydrazon]-2,2-Dimethyl-2,3-Dihydroinden.** Sm. 184 bis 187° (A. 252, 86). — IV, 784.
- $C_{23}H_{22}N$  C 88,2 — H 7,3 — N 4,5 — M. G. 313.  
 1) **Tribenzylpyridin.** Sm. 278—280° (B. 25, 2428). — IV, 466.
- $C_{23}H_{22}N_3$  C 80,9 — H 6,7 — N 12,3 — M. G. 341.  
 1) **5-[4-Methylphenyl]amido-2,6-Dimethyl-1-[4-Methylphenyl]benzimidazol.** Sm. 162—163°. (2HCl, PtCl<sub>4</sub>) (B. 26, 2779). — IV, 1152.  
 2) **Base (aus Hydrobenzamid).** HCl +  $2H_2O$ , (2HCl, PtCl<sub>4</sub>) (A. 111, 155). — III, 21.
- $C_{23}H_{24}O$  C 87,3 — H 7,6 — O 5,1 — M. G. 316.  
 1) **Isobutyläther d.  $\omega$ -Oxytriphenylmethan.** Sm. 48° (C. 1896 [1] 416).  
 $C_{23}H_{24}O_5$  C 79,3 — H 6,9 — O 13,8 — M. G. 348.  
 1)  $\alpha\alpha\beta$ -Tri[2-Oxy-1-Methylphenyl]äthan.. Erweicht bei 85° (A. 257, 322). — II, 1029.  
 2)  $\alpha\alpha\beta$ -Tri[3-Oxy-1-Methylphenyl]äthan. Erweicht bei 90° (A. 257, 324). — II, 1029.  
 3)  $\alpha\alpha\beta$ -Tri[4-Oxy-1-Methylphenyl]äthan. Erweicht bei 100° (A. 257, 324). — II, 1029.  
 4) **Tri[2-Methylphenyläther] d.  $\alpha\alpha\alpha$ -Trioxyäthan.** Sm. 87,5—89° (B. 24, 3683). — II, 737.  
 5) **Tri[3-Methylphenyläther] d.  $\alpha\alpha\alpha$ -Trioxyäthan.** Sm. 99—100° (B. 24, 3682). — II, 744.  
 6) **Tri[4-Methylphenyläther] d.  $\alpha\alpha\alpha$ -Trioxyäthan.** Sm. 135,5° (B. 24, 3681). — II, 749.
- $C_{23}H_{24}O_4$  C 75,8 — H 6,6 — O 17,6 — M. G. 364.  
 1) **Säure (aus Amarsäure).** Sm. 127—135° u. Zers. Ag (A. 275, 72). — II, 1725.
- $C_{23}H_{24}O_6$  C 69,7 — H 6,1 — O 24,2 — M. G. 396.  
 1) **Dimethyläther d. Curcumin.** Sm. 135° (B. 30, 193).

- C<sub>23</sub>H<sub>24</sub>O<sub>6</sub>** 2) Diäthylester d.  $\alpha,\omega$ -Diketo- $\alpha,\omega$ -Diphenylpentan- $\beta\delta$ -Dicarbonsäure. Sm. 86° (130,5°) (A. 281, 57; 302, 215). — II, 2034.  
 3) Diäthylester d. isom.  $\alpha,\omega$ -Diketo- $\alpha,\omega$ -Diphenylpentan- $\beta\delta$ -Dicarbonsäure. Fl. (A. 302, 216).  
 4) Diäthylester d.  $\alpha,\omega$ -Diketo- $\alpha,\omega$ -Diphenylpentan- $\gamma\gamma$ -Dicarbonsäure. Sm. 118–119° (B. 19, 3144). — II, 2035.  
 5) Diäthylester d.  $\beta\delta$ -Diketo- $\alpha,\omega$ -Diphenylpentan- $\gamma\gamma$ -Dicarbonsäure (D. d. Diphenacetylmalonsäure). Fl. (B. 29, 1988).  
 6) Diäthylester d. 2,6-Diphenyltetrahydro-1,4-Pyron-3,5-Dicarbonsäure. Sm. 115° (B. 29, 996).
- C<sub>23</sub>H<sub>24</sub>O<sub>7</sub>** C 67,0 — H 5,8 — O 27,2 — M. G. 412.  
 1) Triäthyläthermonocetat d. Luteolin. Sm. 185–186° (183–185°) (Soc. 69, 801; M. 17, 423). — III, 583.
- C<sub>23</sub>H<sub>24</sub>O<sub>8</sub>** C 64,5 — H 5,6 — O 29,9 — M. G. 428.  
 1)  $\alpha,\omega$ -Diphenylheptan- $\beta\gamma\gamma$ -Tetracarbonsäure. Zers. bei 207°. Ag. (Soc. 59, 843). — II, 2085.  
 2) Diacetat d. Pinoresinol. Sm. 164° (M. 15, 512; 18, 485). — III, 563.  
 3) Verbindung (aus 3,5-Dioxy-1-Methylbenzol u. Chloralhydrat oder C<sub>18</sub>H<sub>16</sub>O<sub>6</sub>) (Am. 9, 135; Soc. 73, 399). — II, 962.  
 C 62,2 — H 5,4 — O 32,4 — M. G. 444.
- C<sub>23</sub>H<sub>24</sub>O<sub>9</sub>** 1) Pikropodophyllin. Sm. 227° (B. 15 [2] 377; 24 [2] 646). — III, 644.  
 2) Podophyllotoxin + 2H<sub>2</sub>O. Sm. 93–95° (B. 24 [2] 645). — III, 644.
- C<sub>23</sub>H<sub>24</sub>N<sub>2</sub>** C 87,9 — H 7,6 — N 4,5 — M. G. 314.  
 1)  $\alpha$ -Phenyl- $\alpha$ -Benzyl- $\beta$ -[4-Isopropylbenzyliden]hydrazin. Sm. 89–90° (G. 27 [2] 237). — IV, 812.
- C<sub>23</sub>H<sub>24</sub>N<sub>4</sub>** C 80,7 — H 7,0 — N 12,3 — M. G. 342.  
 1)  $\alpha,\alpha$ -Di[ $\alpha$ -Methyl- $\beta$ -Benzylidenhydrazin]- $\alpha$ -Phenylmethan (Tribenzalmethylhydrazin). Sm. 109° (B. 31, 62).
- C<sub>23</sub>H<sub>24</sub>S<sub>3</sub>** 1) Tribenzyläther d.  $\alpha,\alpha,\alpha$ -Trimerkaptoäthan. Sm. 46° (B. 25, 358). — II, 1053.
- C<sub>23</sub>H<sub>24</sub>N<sub>3</sub>** C 80,4 — H 7,3 — N 12,2 — M. G. 343.  
 1)  $\alpha$ -Phenylimidod[4-Dimethylamidophenyl]methan (Phenylauramin). Sm. 170–171°. HCl, (2HCl, PtCl<sub>4</sub>). Pikrat (B. 20, 2850, 3296). — IV, 1173.  
 2) 3-Hexyl-2-Phenyl-2,3-Dihydro-1,2,4-Naphtotriazin. Sm. 176,5°. HCl, (2HCl, PtCl<sub>4</sub>) (B. 24, 1007). — IV, 1394.  
 C 74,4 — H 6,7 — N 18,9 — M. G. 371.
- C<sub>23</sub>H<sub>25</sub>N<sub>5</sub>** 1) 3,5-Di[ $\alpha$ -Phenylhydrazonäthyl]-2,6-Dimethylpyridin. Fl. HCl, HNO<sub>3</sub> (B. 30, 2248). — IV, 800.
- C<sub>23</sub>H<sub>26</sub>O** C 86,8 — H 8,2 — O 5,0 — M. G. 318.  
 1)  $\gamma$ -Keto- $\alpha,\omega$ -Di[4-Isopropylphenyl]- $\alpha,\omega$ -Pentadien (Dicuninalaceton). Sm. 106–107° (A. 223, 148). — III, 253.
- C<sub>23</sub>H<sub>26</sub>O<sub>5</sub>** C 72,3 — H 6,8 — O 20,9 — M. G. 382.  
 1) Diäthylester d.  $\gamma$ -Keto- $\alpha,\omega$ -Diphenylpentan- $\beta\delta$ -Dicarbonsäure. Sm. 92° (A. 261, 185). — II, 1978.
- C<sub>23</sub>H<sub>26</sub>O<sub>6</sub>** C 69,3 — H 6,5 — O 24,1 — M. G. 398.  
 1) Tetraäthyläther d. Fisetin. Sm. 106–107° (B. 19, 1745). — III, 584.
- C<sub>23</sub>H<sub>26</sub>O<sub>7</sub>** 2) Tetraäthyläther d. Luteolin. Sm. 146–149° (B. 30, 656).  
 C 66,7 — H 6,3 — O 27,0 — M. G. 414.
- C<sub>23</sub>H<sub>26</sub>O<sub>7</sub>** 1) Tetraäthyläther d. Quercetin. Sm. 120–122° (M. 5, 76; 9, 541). — III, 604.  
 C 57,7 — H 5,4 — O 36,8 — M. G. 478.  
 1) Acetylphloridzin + 2H<sub>2</sub>O (A. 158, 6). — III, 600.
- C<sub>23</sub>H<sub>26</sub>N<sub>2</sub>** 2) Säure (aus Dimekonindimethylketon) (M. 14, 398). — II, 2103.  
 C 83,6 — H 7,8 — N 8,5 — M. G. 330.  
 1)  $\alpha,\alpha$ -Di[Aethylphenylamido]phenylmethan. (2HCl, PtCl<sub>4</sub>) (A. Spl. 3, 363). — III, 30.
- 2) 4,4'-Di[Dimethylamido]triphenylmethan (Leukomalachitgrün). Sm. 102° (93–94%). 2HCl, (2HCl, PtCl<sub>4</sub>). Pikrat (B. 11, 1239; 12, 798, 1693; 13, 2228; 16, 150; 18, 539, 988; M. 9, 1148; A. 206, 122; 217, 255). — IV, 1042.
- 3) isom. 2-Di[Dimethylamido]triphenylmethan (A. 260, 15). — IV, 1042.  
 C 77,1 — H 7,3 — N 15,6 — M. G. 358.
- 1)  $\alpha$ -[2-Amidophenyl]imidod[4-Dimethylamidophenyl]methan (2-Aminophenylauramin). Sm. 199–200%. Pikrat (J. pr. [2] 50, 424). — IV, 1173.

- C<sub>23</sub>H<sub>16</sub>N<sub>4</sub>**
- 2)  $\alpha$ -[4-Amidophenyl]imidodi[4-Dimethylamidophenyl]methan (4-Amidophenylsauramin). Sm. 221—222°. HCl, (2HCl, PtCl<sub>4</sub>). Pikrat (*J. pr.* [2] 50, 403). — IV, 1173.
  - 3)  $\alpha$ -Phenylhydrazondi[4-Dimethylamidophenyl]methan. Sm. 174 bis 175° (*B.* 20, 1111). — IV, 776.
- C<sub>23</sub>H<sub>26</sub>N<sub>6</sub>**
- 1) Di[Cinnamylidenamido]pentamethylenetetramin. Sm. 207° (*A.* 288, 236). — III, 60.
- C<sub>23</sub>H<sub>27</sub>N<sub>3</sub>**
- 1) C 80,0 — H 7,8 — N 12,2 — M. G. 345.
  - 2) 2'-Amido-2<sup>1</sup>,2<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 134—135° (*B.* 17, 1891). — IV, 1193.
  - 2) 2'-Amido-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 65°. 2HCl, (2HCl, PtCl<sub>4</sub>). Pikrat (*B.* 22, 1885). — IV, 1193.
  - 3) 3'-Amido-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 130° (*B.* 12, 803; 15, 683). — IV, 1193.
  - 4) 4'-Amido-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 151—152° (*B.* 15, 2527; 16, 709; 24, 3140). — IV, 1194.
  - 5) 2-Oktyl-4,6-Diphenyl-1,3,5-Triazin. Sm. 43°; Sd. 284—285°<sub>15</sub> (*B.* 23, 2385). — IV, 1199.
- C<sub>23</sub>H<sub>28</sub>O<sub>2</sub>**
- 1) C 78,4 — H 8,0 — O 13,6 — M. G. 352.
- C<sub>23</sub>H<sub>28</sub>O<sub>4</sub>**
- 1) Acetat d. Cannabinol. Sm. 75° (*Soc.* 75, 25).
  - 2) C 75,0 — H 7,6 — O 17,4 — M. G. 368.
- C<sub>23</sub>H<sub>28</sub>O<sub>6</sub>**
- 1) norm. Propylenäther d. Eugenol. Sm. 82,5° (*J. 1877*, 582). — II, 974.
  - 2) isom. Propylenäther d. Eugenol. Sm. 56—58° (*J. 1877*, 582). — II, 974.
  - 3) Verbindung (aus Campheroxalsäure). Sm. 242° (*Am.* 21, 254).
- C<sub>23</sub>H<sub>28</sub>O<sub>5</sub>**
- 1) Methyltriäthyläther d. Brasiliin. Sm. 149° (*B.* 27, 525). — III, 653.
  - 2) C 69,0 — H 7,0 — O 24,0 — M. G. 400.
- C<sub>23</sub>H<sub>28</sub>O<sub>6</sub>**
- 1) Diäthyläther d. Pinoresinol. Sm. 118° (*M. 18*, 487).
  - 2) C 63,4 — H 6,5 — O 29,6 — M. G. 432.
- C<sub>23</sub>H<sub>29</sub>O<sub>8</sub>**
- 1) Flavaspidinsäure. Sm. 157—159° (*C. 1896* [2] 1037).
- C<sub>23</sub>H<sub>29</sub>O<sub>31</sub>**
- 1) Tanacetumgerbstärke = (C<sub>23</sub>H<sub>29</sub>O<sub>31</sub>)<sub>n</sub> (*J. 1882*, 1176). — III, 591.
- C<sub>23</sub>H<sub>30</sub>O<sub>2</sub>**
- 1) C 81,6 — H 8,9 — O 9,5 — M. G. 338.
- C<sub>23</sub>H<sub>30</sub>O<sub>4</sub>**
- 1) Aethyloktokäthenylisopropylessigsäure. Fl. (*A.* 202, 325). — II, 1473.
  - 2) C 74,6 — H 8,1 — O 17,3 — M. G. 370.
- C<sub>23</sub>H<sub>30</sub>O<sub>7</sub>**
- 1) Propyläther d. Bidurochinon. Sm. 116° (*B.* 29, 2183).
  - 2) C 66,0 — H 7,2 — O 26,8 — M. G. 418.
- C<sub>23</sub>H<sub>30</sub>N<sub>2</sub>**
- 1) Koisin. Sm. 148° (*B.* 27 [2] 311).
  - 2) C 82,6 — H 9,0 — N 8,4 — M. G. 334.
- C<sub>23</sub>H<sub>31</sub>N<sub>3</sub>**
- 1) Verbindung (aus d. Base C<sub>23</sub>H<sub>31</sub>N<sub>3</sub>). HCl, HJ (*Bl.* 47, 46). — IV, 1018.
  - 2) C 79,1 — H 8,9 — N 12,0 — M. G. 349.
  - 3) Verbindung (Nitril aus Isoamylidenphenylamin). Sm. 136° (*B.* 25, 2047). — II, 444.
  - 4) C 65,7 — H 7,6 — O 26,7 — M. G. 420.
- C<sub>23</sub>H<sub>31</sub>O<sub>2</sub>**
- 1) Aspidin. Sm. 124,5° (*C. 1896* [2] 1036).
  - 2) C 82,1 — H 9,5 — N 8,3 — M. G. 336.
- C<sub>23</sub>H<sub>31</sub>O<sub>3</sub>**
- 1) Base (aus Dimethylamin u. Oenanthalchlorid). Sm. 72,5°; Sd. 278°<sub>15</sub>. (2HCl, PtCl<sub>4</sub>) (*Bl.* 47, 44). — IV, 996.
  - 2) C 77,1 — H 9,5 — O 13,4 — M. G. 358.
- C<sub>23</sub>H<sub>31</sub>O<sub>5</sub>**
- 1) Methylester d. Anacardsäure. Fl. (*B.* 20, 1863). — II, 1686.
  - 2) C 70,8 — H 8,7 — O 20,5 — M. G. 390.
- C<sub>23</sub>H<sub>31</sub>O<sub>9</sub>**
- 1) Verbindung (aus Tamaroärdöl). HgCl (*B.* 26 [2] 687).
  - 2) C 60,8 — H 7,5 — O 31,7 — M. G. 454.
- C<sub>23</sub>H<sub>34</sub>N<sub>2</sub>**
- 1) Trimethylester d. Anhydrociliansäure. Sm. 119° (*B.* 32, 686).
  - 2) C 81,7 — H 10,0 — N 8,3 — M. G. 338.
- C<sub>23</sub>H<sub>34</sub>O<sub>3</sub>**
- 1)  $\alpha$ -Di[ $\beta$ -Dimethylamidophenyl]heptan. Sm. 59,5°; Sd. 275°<sub>15</sub>. (2HCl, PtCl<sub>4</sub>) (*Bl.* 47, 43). — IV, 986.
  - 2)  $\beta$ -Di[4-Diäthylamidophenyl]propan. Sm. 76°. 2HJ (*A.* 242, 334). — IV, 984.
- C<sub>23</sub>H<sub>34</sub>O<sub>5</sub>**
- 1) Di[Diäthylamidomethylphenyl]methan (aus 2-Diäthylamido-1-Methylbenzol). Sd. 235—245°<sub>15</sub> (*M.* 19, 633).
  - 2) Diisobutylamidodibenzylamidomethan (*Bl.* [3] 13, 158).

- C<sub>25</sub>H<sub>34</sub>N<sub>2</sub>** 5) Diäthylönanthylidendiphenyldiamin. Sd. 215—220° *a. ger. Zers.* (*A. Spt.* 3, 363). — **II.** 445.
- C<sub>25</sub>H<sub>34</sub>S** 1) Verbindung (aus Asphalt). — **III.** 565.  
C<sub>25</sub>H<sub>34</sub>O C 84,1 — H 11,0 — O 4,9 — M. G. 328.
- C<sub>25</sub>H<sub>36</sub>O<sub>2</sub>** 1) Myroxin (*C. 1897* [1] 421).  
C 80,2 — H 10,4 — O 9,3 — M. G. 344.
- C<sub>25</sub>H<sub>36</sub>O<sub>3</sub>** 1) 2,4-Dionanthyl-1,3,5-Trimethylbenzol. Sd. 255°<sub>15—40</sub> (*B. 30*, 1286).  
C 65,1 — H 8,5 — O 26,4 — M. G. 424.
- C<sub>25</sub>H<sub>36</sub>O<sub>7</sub>** 1) Prophetin (*J. 1859*, 566). — **III.** 602.  
C 55,5 — H 7,6 — O 33,9 — M. G. 472.
- C<sub>25</sub>H<sub>36</sub>O<sub>10</sub>** 1) Tetraäthylester d.  $\beta\beta'$ -Diketo- $\delta$ -Isobutyliheptan- $\alpha\gamma\beta\eta$ -Tetracarbon-säure (*I. d. Isovaleriylidebisacetondicarbonsäure*). Sm. 118° (*A. 288*, 358).  
C 83,6 — H 11,5 — O 4,8 — M. G. 330.
- C<sub>25</sub>H<sub>36</sub>O** 1) Pentadekyl-4-Methylphenylketon. Sm. 60°; Sd. 262°<sub>15</sub> (160°) (*B. 21*, 2266; *29*, 1327). — **III.** 157.  
2) Propyläther d. Oxycampherpinaconan. Sm. 86° (*B. 27*, 2349; *A. 292*, 14).  
C 79,8 — H 11,0 — O 9,2 — M. G. 346.
- C<sub>25</sub>H<sub>36</sub>O<sub>2</sub>** 1) Methyläther d. Pentadekyl-4-Oxyphenylketon. Sm. 70,5°; Sd. 279 bis 280°<sub>15</sub> (*B. 21*, 2269). — **III.** 157.  
2) Propionat d. Cinchol. Sm. 110° (*A. 228*, 295). — **II.** 1069.  
3) Propionat d. Cupreol. Sm. 111° (*A. 228*, 293). — **II.** 1068.  
4) 4-Methylphenylester d. Palmitinsäure. Sm. 47°; Sd. 258°<sub>15</sub> (*B. 17*, 1379). — **II.** 749.
- C<sub>25</sub>H<sub>36</sub>O<sub>4</sub>** 5) Cetylester d. Benzolcarbonsäure. Sm. 30° (*A. 102*, 221). — **II.** 1141.  
C 73,0 — H 10,1 — O 16,9 — M. G. 378.
- C<sub>25</sub>H<sub>36</sub>O<sub>5</sub>** 1) Fellinsäure. Sm. 169° (120°). Mg + 2*H*<sub>2</sub>O, Ba + 4*H*<sub>2</sub>O (*H. 10*, 187; *11*, 208; *19*, 567; *B. 27*, 1344). — **I.** 733.  
C 41,4 — H 5,7 — O 52,8 — M. G. 666.
- C<sub>25</sub>H<sub>36</sub>O<sub>2</sub>** 1) Arabinoose (*Soc. 45*, 54). — **I.** 1101.  
C 83,1 — H 12,1 — O 4,8 — M. G. 332.
- C<sub>25</sub>H<sub>40</sub>O<sub>2</sub>** 1)  $\beta$ -Oxy-4-Hexadekyl-1-Methylbenzol. Sm. 62°; Sd. 267—268°<sub>15</sub> (*B. 21*, 3183). — **II.** 777.  
C 79,3 — H 11,5 — O 9,2 — M. G. 348.
- C<sub>25</sub>H<sub>40</sub>O<sub>3</sub>** 1) Methylectyläther d. 1,2-Dioxybenzol. Sm. 54° (*R. 12*, 273). — **II.** 909.  
C 62,2 — H 9,0 — O 28,8 — M. G. 444.
- C<sub>25</sub>H<sub>40</sub>O<sub>6</sub>** 1) Tetraäthylester d. Undekan- $\delta\delta\beta\beta\gamma\gamma$ -Tetracarbon-säure. Sm. 52—54°; Sd. 253—256°<sub>15</sub> (*Soc. 59*, 836). — **I.** 862.  
2) Tetraäthylester d.  $\beta\beta'$ -Dimethylnonan- $\gamma\gamma\gamma\gamma$ -Tetracarbon-säure. Sd. 250—252°<sub>15</sub> (*Soc. 59*, 836). — **I.** 863.  
C 80,2 — H 11,6 — N 8,1 — M. G. 344.
- C<sub>25</sub>H<sub>44</sub>N<sub>2</sub>** 1) Hymenodictin. 2*HCl*, (2*HCl*, *PtCl<sub>6</sub>*), 2*C<sub>4</sub>H<sub>5</sub>J* (*J. 1883*, 1414; *1884*, 1397). — **III.** 887.
- C<sub>25</sub>H<sub>44</sub>N** 1)  $\beta$ -Amino-4-Hexadekyl-1-Methylbenzol. Sm. 54°; Sd. 264—265°<sub>15</sub> (*B. 21*, 3183). — **II.** 566.  
C 78,9 — H 12,0 — O 9,1 — M. G. 350.
- C<sub>25</sub>H<sub>44</sub>O<sub>2</sub>** 1) Methylester d. Beheninsäure. Sm. 22° (*B. 25*, 964). — **I.** 536.  
C 79,8 — H 12,1 — N 8,1 — M. G. 346.
- C<sub>25</sub>H<sub>44</sub>O<sub>3</sub>** 1) Dimethyldianhydrolupinin. (2*HCl*, 2*AuCl<sub>4</sub>*) (*C. 1897* [2] 361).  
C 78,4 — H 12,5 — O 9,1 — M. G. 352.
- C<sub>25</sub>H<sub>44</sub>O<sub>5</sub>** 1) Vitylykgol (*B. 25* [2] 286).  
C 75,0 — H 12,0 — O 13,0 — M. G. 368.
- C<sub>25</sub>H<sub>44</sub>O<sub>6</sub>** 1) Methylester d. Oxybebensäure. Sm. 57—58° (*J. pr.* [2] 48, 340).  
C 71,9 — H 11,5 — O 16,6 — M. G. 384.
- C<sub>25</sub>H<sub>44</sub>O<sub>4</sub>** 1) Eikosylmalonsäure. Sm. 119—120° (*G. 27* [2] 302).  
2) Diäthylester d. Heptadekan- $\alpha\alpha$ -Dicarbonsäure (Diäthylester d. Cetylmalonsäure). Sd. 300—360° (*A. 206*, 357).  
3) Diäthylester d. Heptadekan- $\beta\beta$ -Dicarbonsäure (D. d. Dicetylmalonsäure). Sd. 338—340° (*A. 204*, 163). — **I.** 690.  
4) Verbindung (Keton aus Isovaleriansäure). Sd. 200—210° (*A. 202*, 328).  
C 53,9 — H 8,6 — O 37,5 — M. G. 512.
- C<sub>25</sub>H<sub>44</sub>O<sub>12</sub>** 1) Convallamarin (*J. 1858*, 518; *1882*, 1130). — **III.** 578.

$C_{23}H_{46}O$	C 81,7 — H 13,6 — O 4,7 — M. G. 338. 1) $\mu$ -Ketotrikosan (Lauron). Sm. 66° (69%) (A. 84, 289; B. 15, 1712; Soc. 57, 981). — I, 1006.
$C_{23}H_{46}O_2$	C 78,0 — H 13,0 — O 9,0 — M. G. 354. 1) $\beta$ -Methylbutylester d. Stearinäure. Sm. 20—21° (B. [3] 15, 286). 2) Isoamylester d. Stearinäure. Sm. 25,5° (J. 1858, 301; A. 88, 293). — I, 445.
$C_{23}H_{46}O_3$	3) Heptylester d. Palmitinsäure (B. 30, 1495). C 71,5 — H 11,9 — O 16,6 — M. G. 386.
$C_{23}H_{46}O_4$	1) Glycerimonarachin (A. ch. [3] 47, 355). — I, 447.
$C_{23}H_{46}O$	C 81,2 — H 14,1 — O 4,7 — M. G. 340. 1) $\mu$ -Oxytrikosan (Dilaurylalkohol). Sm. 75—76° (Soc. 37, 983). — I, 240.

 **$C_{23}$ -Gruppe mit drei Elementen.**

$C_{23}H_{18}ON_3$	C 79,5 — H 3,7 — O 4,6 — N 12,1 — M. G. 347. 1) 1,2-Naphthochinon-3,4-Akridonazin. Sm. 276° (B. 27, 3076). — III, 395.
$C_{23}H_{14}O_2N_2$	C 75,4 — H 3,8 — O 13,1 — N 7,6 — M. G. 366. 1) 1,1-Dinaphthylparabansäure. Sm. 246° (B. 21, 973). — II, 611.
$C_{23}H_{14}O_4N_2$	C 72,3 — H 3,7 — O 16,7 — N 7,3 — M. G. 382. 1) 2,4-Di[Phtalamido]-1-Methylbenzol. Sm. 232—233° (B. 10, 1161). — IV, 606.
$C_{23}H_{14}O_6N_4$	C 62,4 — H 3,2 — O 21,7 — N 12,7 — M. G. 442. 1) Trinitroacetophenin (B. 6, 641). — III, 130.
$C_{23}H_{14}O_6N_6$	C 58,7 — H 3,0 — O 20,4 — N 17,9 — M. G. 470. 1) P-Trinitro-2,3-Diphenyl-2,3-Dihydro-1,2,4-Naphthisotriazin. Sm. 249° (Soc. 59, 681). — IV, 1394.
$C_{23}H_{15}ON$	2) P-Trinitro-2,3-Diphenyl-2,3-Dihydro-1,2,4-Naphthisotriazin. Sm. 295° (Soc. 59, 681). — IV, 1394. C 86,0 — H 4,7 — O 5,0 — N 4,3 — M. G. 321. 1) Benzoylphenylnaphthylcarbazol. Sm. 170° (B. 29, 270). — IV, 453. 2) 1-[ $\beta$ -Phenyläthenyl]phenanthrenoazol. Sm. 171—172° (Soc. 57, 11). — III, 446.
$C_{23}H_{15}O_7N_3$	C 75,6 — H 4,1 — O 8,8 — N 11,5 — M. G. 305. 1) 5-Nitro-2-Phenyl-1-[Naphthyl]benzimidazol. Sm. 171—173° (B. [3] 17, 869). — IV, 562. 2) 5-Nitro-2-Phenyl-1-[2-Naphthyl]benzimidazol. Sm. 177—178° (B. [3] 17, 869). — IV, 562. 3) 2-[2-Nitrophenyl]-3-Phenyl- $\alpha$ -Naphthimidazol. Sm. 242°. (2HCl, PtCl <sub>4</sub> ) (B. 25, 2830). — IV, 1062. 4) 2-[3-Nitrophenyl]-3-Phenyl- $\alpha$ -Naphthimidazol. Sm. 209° (B. 25, 2831). — IV, 1062. 5) 2-[4-Nitrophenyl]-3-Phenyl- $\alpha$ -Naphthimidazol. Sm. 238° (B. 25, 2831). — IV, 1062. 6) Menaphthimid? Sm. 245° (A. 98, 244). — II, 605. 7) Betainverbindung + 2H <sub>2</sub> O (aus 2-Phenylamido-1-Phenylazonaphthalin-1 <sup>a</sup> -Carbonsäure). HCl (B. 28, 340). — IV, 1462. 8) Betainverbindung + 3H <sub>2</sub> O (aus 2-Phenylamido-1-Phenylazonaphthalin-1 <sup>a</sup> -Carbonsäure). HCl (B. 28, 339). — IV, 1462. 9) Betainverbindung + 3H <sub>2</sub> O (aus 2-Phenylamido-1-Phenylazonaphthalin-1 <sup>a</sup> -Carbonsäure). HCl (B. 28, 339). — IV, 1462.
$C_{23}H_{15}O_5Br$	1) 6-Brom-2-Phenyl-4-Benzoylmethylen-1,4-Cumaran (Bromphenacylidienflavan). Sm. 169—170° (B. 31, 712). 2) Lakton d. $\delta$ -Brom- $\gamma$ -Oxy- $\alpha\beta\delta$ -Triphenyl- $\alpha$ -Butadien- $\alpha$ -Carbonsäure (Brombenzaltriphenylmaleid). Sm. 165° (B. 24, 3855). — II, 1728.
$C_{23}H_{14}O_5N$	C 78,2 — H 4,2 — O 13,6 — N 4,0 — M. G. 353. 1) 5-Benzoyl-2 oder 3-Phenylamido-1,4-Naphthochinon. Sm. 199 bis 200° (A. 247, 184). — III, 255. 2) 6-Benzoyl-2 oder 3-Phenylamido-1,4-Naphthochinon. Sm. 209 bis 210° (A. 247, 187). — III, 255.

- C<sub>23</sub>H<sub>15</sub>O<sub>5</sub>N** 3) Nitril d.  $\beta$ -Benzoyl- $\alpha$ -Benzoyl- $\beta$ -Phenylakrylsäure (N. d. Tribenzoyl-essigsäure). Sm. 138° (J. pr. [2], 58, 155).
- C<sub>23</sub>H<sub>15</sub>O<sub>4</sub>N** C 74,7 — H 4,1 — O 17,3 — N 3,8 — M. G. 369.
- 1) Dibenzoot d.  $\beta$ -Dioxychinolin. Sm. 130—134° (B. 20, 1822). — IV, 288.
  - 2) Lakton d.  $\delta$ -Nitro- $\gamma$ -Oxy- $\alpha$ - $\beta$ -Triphenyl- $\alpha$ - $\gamma$ -Butadien- $\alpha$ -Carbonsäure (Nitrobenzaldiphenylmalein). Sm. 175—177° (B. 24, 3869). — II, 1728.
- C<sub>23</sub>H<sub>15</sub>O<sub>4</sub>N<sub>2</sub>** C 69,5 — H 3,8 — O 16,1 — N 10,6 — M. G. 397.
- 1) Benzoat d. 1-[3-Nitrophenyl]azo-2-Oxynaphthalin. Sm. 171° (Soc. 55, 116). — IV, 1430.
- C<sub>23</sub>H<sub>15</sub>O<sub>4</sub>N<sub>5</sub>** C 64,9 — H 3,5 — O 15,1 — N 16,5 — M. G. 425.
- 1) 2,3-Di[3-Nitrophenyl]-2,3-Dihydro-1,2,4-Naphtisotriazin. Sm. 248 bis 249° u. Zers. + C<sub>2</sub>H<sub>4</sub>O<sub>2</sub> (Soc. 59, 693). — IV, 1395.
  - 2) 2,3-Di[4-Nitrophenyl]-2,3-Dihydro-1,2,4-Naphtisotriazin. Sm. 267 bis 270° u. Zers. + C<sub>2</sub>H<sub>4</sub>O<sub>2</sub> (Soc. 59, 694). — IV, 1396.
- C<sub>23</sub>H<sub>15</sub>O<sub>n</sub>N<sub>7</sub>** C 53,4 — H 2,9 — O 24,7 — N 19,0 — M. G. 517.
- 1)  $\rho$ -Tetranitro-2,3-Diphenyl-2,3-Dihydro-1,2,4-Naphtisotriazin. Sm. 305° (Soc. 59, 681). — IV, 1394.
- C<sub>23</sub>H<sub>14</sub>ON<sub>2</sub>** C 82,1 — H 4,8 — O 4,8 — N 8,3 — M. G. 336.
- 1) 2-[2-Oxyphenyl]-3-Phenyl- $\alpha$ -Naphtimidazol. Sm. 175—176°. HCl (B. 25, 2830). — IV, 1062.
  - 2) 9-Methyl-7-Phenyl- $\beta$ -Naphthonazon [5] (Methylrosindon). Sm. 255° (A. 256, 243). — IV, 1064.
  - 3) 7-Benzylrosindon [9] (m-Benzylisorosindon). Sm. 210°. HCl, HBr, HJ (B. 31, 2480).
  - 4) Benzylrosindon. Sm. 262—264° (A. 290, 297). — IV, 1057.
- C<sub>23</sub>H<sub>16</sub>ON<sub>4</sub>** C 75,8 — H 4,4 — O 4,4 — N 15,4 — M. G. 364.
- 1) 2-Phenyl-3-[3-Nitrophenyl]-2,3-Dihydro-1,2,4-Naphtisotriazin. Sm. 215° u. Zers. + C<sub>2</sub>H<sub>4</sub>O<sub>2</sub> (Soc. 59, 700). — IV, 1394.
  - 2) 2-Phenyl-3-[4-Nitrophenyl]-2,3-Dihydro-1,2,4-Naphtisotriazin. Sm. 228—229° u. Zers. (Soc. 59, 700). — IV, 1394.
- C<sub>23</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>** C 78,4 — H 4,5 — O 9,1 — N 7,9 — M. G. 352.
- 1) Acetylcarbanilamidophenanthrol. Sm. 163—164° (B. 22, 3244). — III, 442.
  - 2) Methyliather d. 9-Oxysindon [5].  $\alpha$ -Modif. Sm. 264—265° (aus Benzol);  $\beta$ -Modif. Sm. 308° (B. 29, 2756; 31, 307, 2482, 2483). — IV, 1059.
  - 3) Acetat d. 2-[4-Oxyphenyl]phenanthrenimidazol. Sm. 205—210° u. Zers. (Soc. 41, 146). — III, 147.
  - 4) Benzoat d. 2-Oxy-1-Phenylazonaphthalin. Sm. 125° (Soc. 55, 115). — IV, 1429.
  - 5) Benzoat d. 4-Oxy-1-Phenylazonaphthalin. Sm. 118—119° (Soc. 55, 606). — IV, 1428.
- C<sub>23</sub>H<sub>16</sub>O<sub>2</sub>N<sub>4</sub>** C 72,6 — H 4,2 — O 8,4 — N 14,7 — M. G. 380.
- 1) Homoterephthalendiazoximdibenzoyl. Sm. 179,5° (B. 22, 2980). — II, 1844.
  - 2) 3-Phenyl-2-[2-Nitrophenyl]-2,3-Dihydro-1,2,4-Naphtisotriazin. Sm. 210—211° (Soc. 59, 683). — IV, 1395.
  - 3) 3-Phenyl-2-[3-Nitrophenyl]-2,3-Dihydro-1,2,4-Naphtisotriazin. Sm. 228° (Soc. 59, 699). — IV, 1395.
  - 4) 3-Phenyl-2-[4-Nitrophenyl]-2,3-Dihydro-1,2,4-Naphtisotriazin. Sm. 293° u. Zers. (Soc. 59, 685). — IV, 1396.
- C<sub>23</sub>H<sub>16</sub>O<sub>2</sub>Br<sub>2</sub>** 1) Lakton d.  $\gamma$ -Dibrom- $\gamma$ -Oxy- $\alpha$ - $\beta$ -Triphenyl- $\alpha$ -Buten- $\alpha$ -Carbonsäure. Sm. 154° u. Zers. (B. 24, 3854). — II, 1727.
- C<sub>23</sub>H<sub>16</sub>O<sub>3</sub>N<sub>2</sub>** C 75,0 — H 4,3 — O 13,0 — N 7,6 — M. G. 368.
- 1) 5-Keto-2-[ $\alpha$ -Nitrobenzyliden]-3,4-Diphenyl-2,5-Dihydro- $\beta$ -Pyrrol (Nitrobenzaldiphenylmaleimidiu). Zers. bei 260° (B. 24, 3872). — II, 1728.
  - 2) 2-[2-Benzoylamidophenyl]amido-1,4-Naphtochinon. Sm. 238—239° (B. 28, 356). — IV, 565.
  - 3) Benzoat d. 8-Acetylamido-5-Oxychinolin. Sm. 180° (B. 27, 1940). — IV, 912.
  - 4) Benzoat d. 5-Benzoylamido-8-Oxychinolin. Sm. 205° (B. 27, 1939). — IV, 912.
- C<sub>23</sub>H<sub>16</sub>O<sub>4</sub>N<sub>4</sub>** C 69,7 — H 4,0 — O 12,1 — N 14,1 — M. G. 396.
- 1) 1-Oxy-2,4-Diphenylazonaphthalin-2<sup>3</sup>-Carbonsäure. Zers. bei 200° (B. 24, 1602). — IV, 1463.

- C<sub>22</sub>H<sub>16</sub>O<sub>4</sub>N<sub>2</sub>** C 71,9 — H 4,2 — O 16,6 — N 7,3<sup>a</sup> — M. G. 384.  
1) 3,5-Diketo-2,4-Dibenzoyl-1-Phenyltetrahydropyrazol. Sm. 111° (B. 25, 1511). — IV, 955.
- C<sub>22</sub>H<sub>16</sub>O<sub>4</sub>N<sub>4</sub>** C 67,0 — H 3,9 — O 15,6 — N 13,6 — M. G. 412.  
1) *p*-Naphtol-p-Azobenzol-p-Azosalicylsäure. Sm. oberh. 255° (Soc. 47, 667). — IV, 1470.
- C<sub>22</sub>H<sub>16</sub>O<sub>6</sub>N<sub>2</sub>** C 66,3 — H 3,8 — O 25,1 — N 6,7 — M. G. 416.  
1) Lakton d.  $\gamma\delta$ -Dinitro- $\gamma$ -Oxy- $\alpha\beta\delta$ -Triphenyl- $\alpha$ -Buten- $\alpha$ -Carbonsäure. Sm. 146° u. Zers. (B. 24, 3868). — II, 1727.
- C<sub>22</sub>H<sub>16</sub>O<sub>6</sub>Br<sub>2</sub>Cl** Tetracetat d. Dibromoleolin. Sm. 218—220° (Soc. 69, 210). — III, 585.
- C<sub>22</sub>H<sub>16</sub>O<sub>6</sub>Cl<sub>2</sub>** 1) 3-Phenyl-2-(4-Chlorphenyl)-2,3-Dihydro-1,2,4-Naphtisotriazin. Sm. 206° u. Zers. + C<sub>6</sub>H<sub>6</sub>O (Soc. 59, 691). — IV, 1394.
- C<sub>22</sub>H<sub>16</sub>N<sub>2</sub>Br** 1) 3-Phenyl-2-(4-Bromphenyl)-2,3-Dihydro-1,2,4-Naphtisotriazin. Sm. 211° u. Zers. (Soc. 59, 691). — IV, 1394.
- C<sub>22</sub>H<sub>16</sub>N<sub>2</sub>Cl** 1) 1,1-Dinaphthylamidocyanurchlorid. Sm. 215° (B. 19, 243). — II, 624.  
2) 2,2-Dinaphthylamidocyanurchlorid. Sm. 278<sup>b</sup> (B. 19, 2057). — II, 624.
- C<sub>22</sub>H<sub>16</sub>ON** C 85,4 — H 5,3 — O 4,9 — N 4,3 — M. G. 323.  
1) 5-Keto-2-Benzyliden-3,4-Diphenyl-2,5-Dihydropyrrol (Benzalidophenylmaleimimid). Sm. 241—242° (B. 24, 3859). — II, 1728.  
2) Phenyl-1-Naphthylamid d. Benzolcarbonsäure. Sm. 152° (A. 209, 154). — II, 1168.  
3) Phenyl-2-Naphthylamid d. Benzolcarbonsäure. Sm. 147—148° (136°) (A. 209, 158; B. 17, 1591). — II, 1168.
- C<sub>22</sub>H<sub>16</sub>ON<sub>2</sub>** C 78,7 — H 4,8 — O 4,6 — N 11,9 — M. G. 351.  
1) 2-Benzoylamido-1-Phenylazonaphtalin. Sm. 162—163° (B. 18, 799). — IV, 1393.  
2) 4-Benzoylamido-1-Phenylazonaphtalin. Sm. 201° (B. 28, 2198). — IV, 1392.  
3) Verbindung (aus 3-Nitrobenzol-1-Carbonsäurealdehyd) (B. 16, 1999). — III, 17.
- C<sub>22</sub>H<sub>16</sub>O<sub>4</sub>N** C 81,4 — H 5,0 — O 9,4 — N 4,1 — M. G. 339.  
1) 1-Phenylimido-5-Oxy-3-Keto-2,4-Diphenyl-2,3-Dihydro-R-Penten. Sm. 175—176° (A. 284, 259). — III, 320.  
2) *p*-Oxy-P-Phenyl-1,4-Naptochinon-2-Methylphenylimid. Sm. 107 bis 108° (A. 226, 41). — III, 460.  
3) *p*-Oxy-P-Phenyl-1,4-Naptochinon-4-Methylphenylimid. Sm. 154 bis 155° (A. 226, 41). — III, 460.  
4) Benzoat d. 7-Phenylamido-2-Oxynaphthalin. Sm. 137° (B. 26, 3088). — II, 1149.  
5) 1,2,5-Triphenylpyrrol-3-Carbonsäure. Sm. 273° (B. 21, 3062). — IV, 449.  
6) 3-Phenyl-2-Benzylchinolin-4-Carbonsäure. Sm. 293—295°. Ag (J. pr. [2] 57, 467).  
7) Phenylester d. Phenyl-2-Naphthylamidoameisensäure. Sm. 149° (B. 24, 2019). — II, 617.  
8) 4-Methylphenylimid d.  $\alpha\beta$ -Diphenyläthen- $\alpha$ - $\beta$ -Dicarbonsäure. Sm. 192° (B. 26, 2478). — II, 1597.
- C<sub>22</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>** C 75,2 — H 4,6 — O 8,7 — N 11,4 — M. G. 367.  
1) 4-[3-Nitrobenzyliden]amido-1-Phenylamidonaphthalin. Sm. 169° (A. 286, 185). — IV, 923.  
2) 4-[4-Nitrobenzyliden]amido-1-Phenylamidonaphthalin. Sm. 168° (A. 286, 185). — IV, 923.  
3) 2-Oxyphenylbenzoylhydrazimido- $\beta$ -Naphthalin. Sm. 183° (B. 18, 3127). — IV, 1576.  
4) 4-Oxyphenylbenzoylhydrazimido- $\beta$ -Naphthalin. Sm. 244° (B. 18, 3130). — IV, 1576.  
5) 2-Phenylamido-1-Phenylazonaphthalin-1'-Carbonsäure. Sm. 215° (B. 28, 335). — IV, 1462.  
6) 2-Phenylamido-1-Phenylazonaphthalin-1'-Carbonsäure. Sm. 235°. Na (B. 28, 335). — IV, 1462.  
7) 2-Phenylamido-1-Phenylazonaphthalin-1'-Carbonsäure. Sm. 258°. Na (B. 28, 334). — IV, 1462.  
8) Acetylderivat d. Verb. C<sub>21</sub>H<sub>16</sub>ON<sub>2</sub>. Sm. 140—141° (B. 23, 2938). — IV, 848.

- C<sub>21</sub>H<sub>11</sub>O<sub>2</sub>N<sub>3</sub>** 9) Benzoat d. 3-Oxy-1-Phenyl-5-[ $\beta$ -Phenyläthenyl]-1,2,4-Triazol. Sm. 125° (Soc. 71, 216). — IV, 1167.
- 10) Verbindung (aus 4-Oxyazobenzol). Sm. 149° (B. 23, 492). — IV, 1408.
- C<sub>21</sub>H<sub>11</sub>O<sub>3</sub>N** C 77,8 — H 4,8 — O 13,5 — N 3,9 — M. G. 355.
- 1) 4-Oxy-5-Keto-3-Benzoyl-1,2-Diphenyl-2,5-Dihydropyrrrol. Zers. bei 250—252° (B. 31, 1309).
  - 2) 2,5-Diphenyl-1-[2-Oxyphenyl]pyrrol-3-Carbonsäure. Sm. 244—245° (B. 22, 3093). — IV, 450.
- C<sub>21</sub>H<sub>11</sub>O<sub>3</sub>N<sub>3</sub>** C 72,1 — H 4,4 — O 12,5 — N 11,0 — M. G. 383.
- 1) 4-Nitro-2-Benzoylamido-1-[2-Naphthyl]amidobenzol. Sm. 217—218° (Bl. [3], 17, 867). — IV, 562.
  - 2) 5,7-Di[Benzoylamido]-8-Oxychinolin. Sm. 263—264° (J. pr. [2] 53, 543). — IV, 1160.
  - 3) Verbindung (aus d. Chlorid d.  $\beta$ -Trichloracetyl- $\alpha\beta$ -Dichlorakrylsäure). Sm. 229° (B. 25, 2232). — II, 406.
- C<sub>23</sub>H<sub>17</sub>O<sub>5</sub>N** C 71,3 — H 4,4 — O 20,7 — N 3,6 — M. G. 387.
- 1) Lakton d.  $\delta$ -Nitro- $\gamma\gamma$ -Dioxy- $\alpha\beta$ -Triphenyl- $\alpha$ -Carbonsäure? (Oxynitrobenzylidiphenylmaleid). Sm. 123—125° (B. 24, 3866). — II, 1729.
- C<sub>23</sub>H<sub>17</sub>ClS** 1) 2-Chlor- $\beta$ -Triphenylmethylthiophen. Sm. 204—205° (B. 29, 1404). — III, 749.
- C<sub>23</sub>H<sub>17</sub>BrS** 1) 2-Brom- $\beta$ -Triphenylmethylthiophen. Sm. 191—192° (B. 29, 1402). — III, 749.
- C<sub>23</sub>H<sub>17</sub>JS** 1) 2-Jod- $\beta$ -Triphenylmethylthiophen. Sm. 184—185° (B. 29, 1404). — III, 750.
- C<sub>23</sub>H<sub>15</sub>ON<sub>2</sub>** C 81,6 — H 5,3 — O 4,7 — N 8,3 — M. G. 338.
- 1)  $\alpha\beta$ -Diphenyl- $\alpha$ -[2-Naphthyl]harnstoff. Sm. 132—133° (B. 23, 426). — II, 617.
  - 2) 3-Benzoylamido-1-[Benzoyl-2-Naphthyl]amidobenzol. Sm. 173° (B. 26, 979). — IV, 573.
  - 3) 4-[2-Oxybenzyliden]amido-1-Phenylamidonaphthalin. Sm. 135° (A. 286, 185). — IV, 923.
  - 4)  $\beta$ -Phenylamido-1-[4-Amidobenzoyl]naphthalin. Sm. 92°. (2HCl, PtCl<sub>4</sub>, Pikrat (B. 22, 1894). — III, 254
  - 5) 2-[2-Oxy-1-Naphthyl]azodiphenylmethan (Diphenylmethan-o-azo- $\beta$ -Naphtol). Sm. 134° (B. 27, 2788). — IV, 1439.
  - 6) 2-[2-Oxyphenyl]-3-Phenyl-1,2-Dihydro- $\alpha$ -Naphthimidazol. Sm. 139° (B. 25, 2830). — IV, 920.
  - 7) Phenylamid d. 3-Phenylamidonaphthalin-2-Carbonsäure. Sm. 168 bis 169,5° (B. 25, 2743). — II, 1459.
- C<sub>23</sub>H<sub>15</sub>ON<sub>4</sub>** C 75,4 — H 4,9 — O 4,4 — N 15,3 — M. G. 366.
- 1)  $\alpha$ -Di[ $\alpha$ -Imido-2-Naphthylmethyl]harnstoff. Sm. noch nicht bei 300° (B. 25, 1426). — IV, 956.
  - 2) 4-Phenylazo-2-[4-Methylphenyl]azo-1-Oxynaphthalin. Sm. 165° (B. 25, 1339). — IV, 1437.
  - 3) Methyläther d. 2,4-Di[Phenylazo]-1-Oxynaphthalin. Sm. 123° (B. 24, 1596). — IV, 1433.
  - 4)  $\alpha$ -[1-Naphthyl]azo- $\alpha$ -[1-Naphthyl]hydrazon- $\beta$ -Ketopropan. Sm. 174,5 bis 175° (B. 25, 3547). — IV, 1230.
  - 5) 2-Phenylureido-1-Phenylazonaphthalin. Sm. 205° (B. 23, 502). — IV, 1393.
  - 6)  $\alpha$ -Phenyl- $\beta$ -Phenylazo- $\beta$ -[2-Naphthyl]harnstoff. Sm. 123° (B. 21, 2566). — IV, 1574.
- C<sub>23</sub>H<sub>15</sub>O<sub>2</sub>N<sub>2</sub>** C 78,0 — H 5,1 — O 9,0 — N 7,9 — M. G. 354.
- 1) Benzimid. Sm. 167° (A. 34, 189; 54, 372; J. 1850, 488; Ber. J. 16, 246; J. r. 1, 213). — III, 36.
  - 2) 4-Benzoylamido-3-Oxy-1-[ $\beta$ -Amidophenyl]naphthalin. Sm. 172—173° (Soc. 55, 125). — II, 903.
  - 3)  $\alpha$ -Phenylhydrazon- $\alpha$ -[2-Oxyphenyl]- $\alpha$ -[ $\beta$ -Oxy-2-Naphthyl]methan (A. 257, 92). — IV, 778.
  - 4) Phenylhydrazon d. Oxalylidibenzylketon? Sm. 181—182° (A. 284, 261). — IV, 788.
  - 5) Benzoat d.  $\alpha$ -Phenyl- $\beta$ -[4-Oxy-1-Naphthyl]hydrazin. Sm. 162° (B. 24, 2314). — IV, 1506.

- $C_{25}H_{18}O_4N_2$  6) **1-Nitroso-5-Keto-2-Benzyl-3,4-Diphenyl-2,5-Dihydropyrrol.** Sm. 135–136° (B, 24, 3863). — II, 1727.  
 7) **Acetat d. 2-[4-Oxyphenyl]-4,5-Diphenylimidazol** (A. d. p Oxylophin). Sm. 229° (B, 15, 2169). — III, 27.  
 8) **Methoxyhydrat d. Isorosindon.** Chlorid, Jodid, Nitrat (B, 31, 306). — IV, 1056.  
 9) **Aethylester d. 2,3-Diphenyl-1,4-Benzodiazin-6-Carbonsäure.** Sm. 151° (B, 23, 3628). — III, 286.  
 10) **Verbindung (aus d. Benzoat d. 2-Oxy-1-Phenylazonaphthalin).** Sm. 172 bis 173° (Soc. 55, 115). — IV, 1429.
- $C_{25}H_{18}O_2N_4$  C 72,3 — H 4,7 — O 8,4 — N 14,6 — M. G. 382.  
 1) **2- $\beta$ -Naphtholazo-1-Phenylnitrosamidomethylbenzol.** Sm. 155° (J. pr. [2] 55, 374). — IV, 1436.  
 2)  **$\alpha\beta$ -Di[2-Naphthylhydrazone]propionsäure.** Sm. 196° (A, 248, 89). — IV, 927.  
 3)  **$\alpha\beta$ -Di[2-Naphthylhydrazone]propionsäure.** Sm. bei 222° u. Zers. (A, 248, 90). — IV, 929.  
 4) **Phenylamid d. 1-Phenylpyrazol-4,5-Dicarbonsäure.** Sm. 205–206° (A, 295, 319). — IV, 544.  
 5) **Phenylimid d. 2-[4-Methylphenyl]imido-5-Methyl-2,3-Dihydrobenzimidazol-1,3-Dicarbonsäure.** Sm. 232–233° (B, 24, 2521). — IV, 624.  
 6) **Verbindung (aus d. Amid d.  $\beta$ -Trichloracetyl- $\alpha\beta$ -Dichlorakrylsäure).** Sm. 221° (B, 25, 2233). — II, 406.
- $C_{25}H_{18}O_3N_2$  C 74,6 — H 4,9 — O 12,9 — N 7,6 — M. G. 370.  
 1) **Monooxim d. 4-Oxy-5-Keto-3-Benzoyl-2,5-Dihydropyrrol.** Zers. bei 213–215° (B, 31, 1308).  
 2) **Verbindung (aus Thebaulchinon).** Sm. 192° (B, 28, 943; 30, 1392). — IV, 1087.
- $C_{25}H_{18}O_3Br_4$  1) **Diäthyläther d. Tetrabromaurin.** Sm. 110–115° (B, 17, 1627). — II, 1120.
- $C_{25}H_{18}O_3S_2$  1) **2-Naphthyläther d.  $\alpha$ -Merkapto- $\gamma$ [2-Naphthylsulfon- $\beta$ -Ketopropan.** Sm. 133° (J. pr. [2] 55, 414).
- $C_{25}H_{18}O_4N_2$  C 71,5 — H 4,7 — O 16,5 — N 7,2 — M. G. 386.  
 1)  **$\alpha$ -Phenylhydrazeno- $\alpha$ -[3,4,5-Trioxophenyl]- $\alpha$ -[4-Oxy-1-Naphthyl]-methan.** Sm. 210° (A, 269, 314). — IV, 778.  
 2) **2-Oxy-2-[ $\alpha$ -Nitrobenzyl]-5-Keto-3,4-Diphenyl-2,5-Dihydropyrrol + H<sub>2</sub>O (Oxymitrobenzylidiphenoxyphthalimidin)** (B, 24, 3871). — II, 1729.  
 3) **5,6-Methylenäther-7,8-Dimethyläther d. 5,6,7,8-Tetraoxo-2,3-Diphenyl-1,4-Benzodiazin.** Sm. 222° (B, 23, 2291). — III, 286.
- $C_{25}H_{18}O_5S_2$  1)  **$\alpha\gamma$ -Di[2-Naphthylsulfon]- $\beta$ -Ketopropan.** Sm. 200° (J. pr. [2] 55, 407).
- $C_{25}H_{18}O_9N_8$  C 50,2 — H 3,3 — O 26,2 — N 20,3 — M. G. 550.  
 1) **Diäthylester d. Carbonyldi[3-Nitrophenylhydrazonecyanessigsäure].** Sm. 141–142° (J. pr. [2] 51, 224). — IV, 1455.
- $C_{25}H_{18}O_5N_4$  C 52,5 — H 3,4 — O 33,5 — N 10,6 — M. G. 526.  
 1) **Diäthyläther d. Tetranitroaurin.** Sm. 165° (B, 17, 1626). — II, 1121.
- $C_{25}H_{18}ON_2$  1) **Jodäthylät d. Iso- $\beta$ -Naphthoakridin.** Sm. 283–284° (Soc. 73, 548).
- $C_{25}H_{18}N_2S$  1) **2-[1-Naphthyl]imido-3-[1-Naphthyl]tetrahydrothiazol.** Sm. 139° (2HCl, PCl<sub>3</sub>) (B, 21, 967). — II, 610.  
 2) **2-[2-Naphthyl]imido-3-[2-Naphthyl]tetrahydrothiazol.** Sm. 172° (2HCl, PCl<sub>3</sub>) (B, 21, 968). — II, 619.
- $C_{25}H_{18}N_3Cl$  1) **7-Chlorphenylat d. 5-Methylamido- $\alpha\beta$ -Naphthophenazin (Methylrosindulinchlorid).** + AuCl<sub>3</sub> (B, 31, 2430).  
 2) **7-Chlorbenzylat d. 5-Amido- $\alpha\beta$ -Naphthophenazin** (A, 290, 295). — IV, 1204.
- $C_{25}H_{18}N_4S_2$  1) **Verbindung (aus Trimethylenbromid u. s-Diäthylthioharnstoff)** (B, 23, 2200). — I, 1325.
- $C_{25}H_{18}ON$  C 84,9 — H 5,8 — O 4,9 — N 4,3 — M. G. 325.  
 1) **2-Keto-1-Methyl-3,5-Triphenyl-2,3-Dihydropyrrol.**  $\alpha$ -Modif. Sm. 143°;  $\beta$ -Modif. Sm. 138° (Soc. 57, 697, 724). — IV, 475.  
 2) **5-Keto-2-Benzyl-3,4-Diphenyl-2,5-Dihydropyrrol** (Benzylidiphenylmaleimidin). Sm. 169–170° (B, 24, 3863). — II, 1727.

- C<sub>23</sub>H<sub>15</sub>ON<sub>3</sub>** C 68,2 — H 5,4 — O 4,5 — N 11,9 — M. G. 353.  
 1) **2-β-Naphtolazo-1-Phenylamidomethylbenzol.** Sm. bei 176° (*J. pr.* [2] 55, 374). — **IV, 1436.**  
 2) **2-Oxy-1-[4-Benzylamidophenyl]azonaphtalin.** Sm. 124° (*Soc.* 55, 596). — **IV, 1431.**  
 3) **4-Oxy-1-[4-Benzylamidophenyl]azonaphtalin** (*Soc.* 55, 596). — **IV, 1431.**  
 4) **Base** (aus 2-Phenylamido-1-p-Methylphenylazonaphtalin). Chlorid + HgCl<sub>2</sub>, Chlorid + SnCl<sub>2</sub>, 2Chlorid + PtCl<sub>4</sub>, Nitrat, Pikrat (*B.* 23, 1326). — **IV, 1400.**  
 5) **Base** (aus Benzolazo-β-Tolylnaphthylamin). Chlorid + SnCl<sub>2</sub>, 2Chlorid + PtCl<sub>4</sub>, Nitrat, Pikrat (*B.* 23, 1328). — **IV, 1397.**
- C<sub>23</sub>H<sub>19</sub>O<sub>2</sub>N** C 80,9 — H 5,6 — O 4,1 — N 9,4 — M. G. 341.  
 1) **1,3-Diketo-4,4-Dibenzyl-1,2,3,4-Tetrahydroisochinolin.** Sm. 174° (*B.* 20, 2496). — **II, 1913.**  
 2) **β-Phenylamido-α,α-Dibenzoylpropen.** Sm. 166—167° (*A.* 291, 101). — **III, 319.**  
 3) **3-[4-Isopropylphenyl]-β-Naphtochinolin-1-Carbonsäure** (Cumyl-β-Naphtochinoninsäure). Sm. 255° (*B.* 27, 2030). — **IV, 472.**  
 4) **Amid d. γ-Keto-α,β-Trimethyl-α-Buten-α-Carbonsäure.** Sm. 203 bis 204° (*B.* 24, 3858). — **II, 1728.**
- C<sub>23</sub>H<sub>19</sub>O<sub>2</sub>N<sub>3</sub>** C 74,8 — H 5,1 — O 8,6 — N 11,4 — M. G. 369.  
 1) **β-Phtalimido-α-Phenylhydrazon-α-[4-Methylphenyl]äthan.** Sm. 154° (*B.* 31, 2132).  
 2) **Aethylester d. 3,4-Diphenyl-1,2,5-Triazol-1-[Phenyl-4'-Carbonsäure].** Sm. 99° (*B.* 27, 1136). — **III, 288.**  
 3) **Diacetylchrysanilin.** HCl, HNO<sub>3</sub> (*B.* 17, 433). — **IV, 1212.**  
 4) **Naphthylamidoformat d. 4-Oxy-α-Diphenylhydrazin.** Sm. 155° (*B.* 23, 483). — **IV, 1504.**
- C<sub>23</sub>H<sub>19</sub>O<sub>3</sub>Br** 1) **α,α-Diketo-γ-5-Brom-2-Oxyphenyl-α-Diphenylpentan.** Sm. 158 bis 159° (*B.* 29, 243). — **III, 307.**
- C<sub>23</sub>H<sub>19</sub>O<sub>4</sub>N** C 74,0 — H 5,1 — O 17,2 — N 3,7 — M. G. 373.  
 1) **Aethylester d. J-Cyan-γ-Diketo-α,η-Diphenyl-α,γ-Heptadien-δ-Carbonsäure** (*B.* 21 [2] 645). — **II, 1910.**  
 2) **Aethylester d. 4,5-Diketo-2-Phenyl-1-[2-Naphthyl]tetrahydropyrrrol-3-Carbonsäure.** Sm. 142—143° (*B.* 30, 604). — **IV, 369.**
- C<sub>23</sub>H<sub>19</sub>O<sub>4</sub>N<sub>3</sub>** C 68,8 — H 4,7 — O 16,0 — N 10,5 — M. G. 401.  
 1) **4-[β-Acetoxylimido-α,β-Diphenyläthyliden]hydrazidobenzol-1-Carbonsäure.** Sm. 176° (*B.* 27, 1135). — **III, 291.**
- C<sub>23</sub>H<sub>19</sub>O<sub>5</sub>N** C 70,9 — H 4,9 — O 20,6 — N 3,6 — M. G. 389.  
 1) **O-Benzozat-N-4-Methylbenzoat d. 4-Methoxybenzhydrosäure.** Sm. 162° (*C.* 1898 [2] 1080).  
 2) **isom. O-Benzozat-N-4-Methylbenzoat d. 4-Methoxybenzhydrosäure.** Sm. 132° (*C.* 1898 [2] 1080).  
 3) **O-4-Methylbenzoat-N-4-Methoxybenzoat d. Benzhydrosäure.** Sm. 120—121° (*C.* 1898 [2] 1080).  
 4) **isom. O-4-Methylbenzoat-N-4-Methoxybenzoat d. Benzhydrosäure.** Sm. 127° (*C.* 1898 [2] 1080).  
 5) **O-4-Methoxybenzoat-N-Benzozat d. 4-Methylbenzhydrosäure.** Sm. 112° (*C.* 1898 [2] 1080).
- C<sub>23</sub>H<sub>19</sub>O<sub>6</sub>N** C 68,1 — H 4,7 — O 23,7 — N 3,4 — M. G. 405.  
 1) **Benzozat d. 4-Methoxybenzoyl-4-Methoxybenzhydrosäure.** α-Modif. Sm. 152—153°; β-Modif. Sm. 148—149° (*A.* 186, 28). — **II, 1535.**  
 2) **4-Methoxybenzoat d. 4-Methoxybenzoylbenzhydrosäure.** α-Modif. Sm. 137,5—138,5°; β-Modif. Sm. 137,5—138,5° (*A.* 186, 30). — **II, 1535.**  
 3) **4-Methoxybenzoat d. Benzoyl-4-Methoxybenzhydrosäure.** Sm. 147,5° (*A.* 186, 28). — **II, 1535.**  
 4) **Methylinimid d. Dicinnamylweinsäure.** α-Modif. Sm. 70—72°; β-Modif. Sm. 95° + C<sub>6</sub>H<sub>6</sub> (Sm. 80—81°) (*B.* 30, 3041).
- C<sub>23</sub>H<sub>19</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **3,3,5-Trichlor-1,2,4-Tri[Phenylhydrazon]-R-Pentamethylen.** Fl. (*B.* 21, 2137).
- C<sub>23</sub>H<sub>20</sub>ON<sub>2</sub>** C 81,2 — H 5,9 — O 4,7 — N 8,2 — M. G. 340.  
 1) **3-Oxy-1-Phenylhydrazon-3,4-Diphenyl-2,3-Dihydro-R-Penten.** \* Sm. 197° u. Zers. (*Soc.* 51, 422). — **III, 251.**

- $C_{23}H_{20}ON_2$  2) 3-Keto-1-Methyl-2,4-Diphenyl-5-Benzyl-2,3-Dihydropyrazol (A. 296, 13). — IV, 1033.  
   3) Amid d.  $\gamma$ -Cyan- $\alpha\beta\gamma$ -Triphenylpropan- $\alpha$ -Carbonsäure (B. 31, 3064).  
 $C_{23}H_{20}O_2N_2$  C 77,5 — H 5,6 — O 9,0 — N 7,9 — M. G. 356.  
   1) 2,3-Dibenzoyl-1-Methyl-1,2,3,4-Tetrahydro-2,3-Benzodiazin. Sm. 185° (B. 30, 3030). — IV, 854.  
   2) Dimethyläther d. 6-Methyl-1,2,3-Di[4-Oxyphenyl]-1,4-Benzodiazin (Toluanidehydin). Sm. 152—156° (B. 11, 1660). — IV, 620.  
   3) Anhydro- $\alpha$ -Benzyliden- $\alpha$ -Oxy- $\beta$ -[4-Methylphenyl]amido- $\beta$ -Phenylpropionsäure. Sm. 215° (B. 29, 1740).  
   4) Acetat d.  $\alpha$ -Oximido- $\beta$ -[4-Methylphenyl]imido- $\beta$ -Diphenyläthan. Sm. 120—121° (B. 25, 2598). — III, 290.  
 $C_{23}H_{20}O_3N_2$  C 72,3 — H 7,8 — O 12,6 — N 7,3 — M. G. 382.  
   1) 5-Benzaoat d. 4-Benzoylamido-5-Oximidomethyl-1,3-Dimethylbenzol. Sm. 142—142,5° (J. pr. [2] 58, 342).  
 $C_{23}H_{20}O_4N_4$  C 66,3 — H 4,8 — O 15,4 — N 13,5 — M. G. 416.  
   1)  $\beta$ -Phenylhydrazon- $\alpha$ -Phenylamido- $\beta$ -Phenylimidopropan- $\alpha\beta$ -Di-carbonsäure (Phenylhydrazonpyrotraubendianthransäure). Sm. 250° u. Zers. (B. 30, 1191). — IV, 689.  
   2) Diacetat d. Resorcindisazobenzoltoluol. Sm. 175—176° (B. 15, 2822). — IV, 1444.  
   3) Diacetat d. isom. Resorcindisazobenzoltoluol. Sm. 195—196° (B. 15, 2822). — IV, 1444.  
   4) Dibenzoat d. 1-Amidoximidomethyl-4-[ $\beta$ -Amido- $\beta$ -Oximidoäthyl]benzol. Sm. 184° (B. 22, 2180). — II, 1844.  
   5) Dibenzoat d.  $\alpha$ -Amido- $\beta$ -[4-Methylphenyl]- $\alpha\beta$ -Dioximidoäthan. Sm. 193—194° (B. 24, 816). — II, 1210.  
 $C_{23}H_{20}O_4S_2$  1)  $\alpha\beta$ -Di[2-Naphthylsulfon]propan. Sm. 123° (J. pr. [2] 53, 493).  
   2) isom.  $\alpha\beta$ -Di[2-Naphthylsulfon]propan. Sm. 157° (J. pr. [2] 53, 494).  
   3)  $\alpha\gamma$ -Di[2-Naphthylsulfon]propan. Sm. 145° (J. pr. [2] 53, 493).  
 $C_{23}H_{20}O_5N_3$  C 68,3 — H 4,9 — O 19,8 — N 6,9 — M. G. 404.  
   1) Monoacetat d. Phenyl-3,4,5-Trioxy-2-[ $\alpha$ -Phenylhydrazonäthyl]phenylketon. Sm. 248—249° (J. r. 25, 117). — IV, 785.  
 $C_{23}H_{20}O_6S$  1) Dibenzoat d.  $\beta$ -Dioxypropylphenylsulfon. Sm. 86—87° (A. 283, 190).  
 $C_{23}H_{20}O_6N_3$  C 46,0 — H 3,3 — O 32,0 — N 18,7 — M. G. 600.  
   1) P-Hexanitro-4',4'-Di[Dimethylamido]triphenylmethan. Sm. 200° u. Zers. (A. 206, 125). — IV, 1044.  
 $C_{23}H_{20}N_2S$  1) 2-Dibenzylamido-4-Phenylthiasol. Sm. 106° (G. 23 [2] 439). — IV, 916.  
   2) 2-Amido-4-Phenyl- $\beta$ -Dibenzylthiasol. HJ (G. 24 [1] 69). — IV, 916.  
   3) 2-Benzylimido-3-Benzyl-4-Phenyl-2,3-Dihydrothiasol. Sm. 66—67°. HBr (G. 23 [2] 441). — IV, 916.  
   4) Aethyläther d. 2-Merkapto-1,4,5-Triphenylimidasol. Sm. 154—155° (A. 284, 31). — III, 224.  
   5) 1-Naphylamido-1-Naphylimidomethyläthylsulfid. Sm. 98°. (2HCl, PtCl<sub>4</sub>), HJ (B. 21, 966). — II, 610.  
   6) 2-Naphylamido-2-Naphylimidomethyläthylsulfid. Sm. 100°. (2HCl, PtCl<sub>4</sub>) (B. 21, 968). — II, 619.  
 $C_{23}H_{20}N_6Cl_4$  1) Verbindung + 2H<sub>2</sub>O (aus Phenylhydrazin u. Trichlortriketo-R-Pentamethylen) (B. 25, 858). — IV, 787.  
 $C_{23}H_{21}ON$  C 84,4 — H 6,4 — O 4,9 — N 4,3 — M. G. 327.  
   1) 5-Keto-1-Methyl-2,4,4-Triphenyltetrahydropyrrrol. Sm. 153,5° (Soc. 57, 700). — IV, 470.  
 $C_{23}H_{21}ON_3$  C 77,7 — H 5,9 — O 4,5 — N 11,8 — M. G. 355.  
   1) Nitrit d.  $\alpha$ -Benzyliden- $\alpha$ -Oxy- $\beta$ -[4-Methylphenyl]amido- $\beta$ -Phenylpropionsäure. Sm. 262° u. Zers. (B. 29, 1738).  
 $C_{23}H_{21}O_2N$  C 80,4 — H 6,1 — O 9,3 — N 4,1 — M. G. 343.  
   1) Diphenacylbenzylamin. Fl. HCl, (2HCl, PtCl<sub>4</sub>), HBr (Soc. 63, 1364). — III, 127.  
   2) Diphenacyl-p-Toluidin. Sm. 255° (B. 23, 168). — III, 127.  
   3)  $\alpha$ -Phenylamido- $\beta$ -Benzoyl- $\gamma$ -Oxy- $\alpha$ -Phenyl- $\beta$ -Buten. Sm. 83—84° (B. 31, 1394).  
   4)  $\alpha$ -Phenylamido- $\beta$ -Benzoyl- $\gamma$ -Keto- $\alpha$ -Phenylbutan. Sm. 172—173° (B. 31, 1394).

- C<sub>13</sub>H<sub>11</sub>O<sub>1</sub>N** 5)  $\beta$ -[4-Methylphenyl]acetyl amido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan. Sm. 150° (B. 28, 1339). — III, 220.  
 6)  $\beta$ -Benzoylamido-2,4,5-Trimethyldiphenylketon. Sm. 227° (B. 17, 1806). — III, 236.  
 7) Amid d.  $\beta$ -Dehydroamarsäure. Sm. 232° (A. 275, 79). — II, 1727.  
 8) Methylamid d.  $\alpha\alpha$ -Diphenyl- $\beta$ -Benzoylpropionsäure. Sm. 156° (Soc. 57, 702). — II, 1726.
- C<sub>12</sub>H<sub>11</sub>O<sub>1</sub>N<sub>3</sub>** C 74,4 — H 5,7 — O 8,6 — N 11,3 — M. G. 371.  
 1) Diacetyltriphenylguanidin. Sm. 131° (B. 8, 384). — II, 251.  
 2) Nitril d.  $\alpha$ -Benzylidenamido- $\beta$ -[4-Methoxyphenyl]amido- $\alpha$ -Oxy- $\beta$ -Phenylpropionsäure. Sm. 233° u. Zers. (B. 31, 2708).
- C<sub>12</sub>H<sub>11</sub>O<sub>2</sub>N<sub>3</sub>** C 71,3 — H 5,4 — O 12,4 — N 10,8 — M. G. 387.  
 1) Benzoyldi[Benzoylamidomethyl]amin. Sm. 266—267° (A. 288, 250).  
 2) Aethylester d. 4-[ $\beta$ -Oximido- $\alpha\beta$ -Diphenyläthyliden]hydrazidobenzol-1-Carbonsäure. Sm. 226° (B. 27, 1135). — III, 291.  
 3) Verbindung (aus d. Methylamid u. d. Aethylester d.  $\alpha$ -Cyan- $\beta$ -Phenylakrylsäure). (2 isom. Formen.) Sm. 157° u. 180° (J. pr. [2] 45, 512). — II, 1417.
- C<sub>23</sub>H<sub>17</sub>O<sub>3</sub>Br<sub>3</sub>** 1) Tri[5-Brom-3-Methylphenyläther] d.  $\alpha\alpha\alpha$ -Trioxyäthan. Sm. 151,5 bis 153° (B. 24, 3683). — II, 745.  
 2) Tri[3-Brom-4-Methylphenyläther] d.  $\alpha\alpha\alpha$ -Trioxyäthan. Sm. 160 bis 161° (B. 24, 3682). — II, 751.
- C<sub>25</sub>H<sub>17</sub>O<sub>4</sub>N** C 73,6 — H 5,6 — O 17,1 — N 3,6 — M. G. 375.  
 1) Pulvinpiperidinsäure. K + H<sub>2</sub>O, Ca, Piperidinsalz (A. 282, 32). — IV, 21.
- C<sub>18</sub>H<sub>11</sub>O<sub>6</sub>N<sub>5</sub>** C 63,4 — H 4,8 — O 22,1 — N 9,7 — M. G. 435.  
 1) Protocatechuglykotolytriasin. Sm. 120° u. Zers. (B. 27, 1987). — IV, 1579.
- C<sub>19</sub>H<sub>11</sub>N<sub>2</sub>S<sub>2</sub>** 1) Methyl- $\alpha$ -Phenyldithiobenzyl- $\alpha$ -Phenylalduret. Sm. 127°. HCl (B. 28, 1109). — III, 35.
- C<sub>29</sub>H<sub>21</sub>N<sub>5</sub>S** 1) Aethyltriphenylthioammelin. Sm. oberh. 100°. HBr (B. 20, 1069; 21, 871). — II, 399.
- C<sub>25</sub>H<sub>17</sub>ON<sub>2</sub>** C 80,7 — H 6,4 — O 4,7 — N 8,2 — M. G. 342.  
 1) Amidodiphenacylbenzylamin. Sm. 80° u. Zers. (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O) (Soc. 63, 1365). — III, 127.  
 2)  $\alpha$ -Benzyliden- $\beta$ -[4-Isopropylbenzoyl]- $\beta$ -Phenylhydrazin. Sm. 126°. — IV, 751.  
 3) Diäthylen-4,4'-Diamidotriphenylcarbinol (Phenyldiphenylpiperazin-carbinol) (B. 22, 1781). — II, 1086.  
 4) Benzoylderivat d. isom. Base C<sub>18</sub>H<sub>14</sub>N, (vom Sm. 85,5°). Sm. 156° (B. 27, 1302, 1561 Berichtigung).  
 5) Benzoylderivat d. Base C<sub>18</sub>H<sub>14</sub>N. Sm. 218° (B. 25, 2031; 27, 1302). — II, 443.
- C<sub>25</sub>H<sub>17</sub>ON<sub>4</sub>** C 74,6 — H 5,9 — O 4,3 — N 15,1 — M. G. 370.  
 1) Phenylhydrazin d.  $\alpha$ -Phenylhydrazon- $\alpha$ -Phenyl- $\alpha\beta$ -Butadien- $\delta$ -Carbonsäure. Sm. 198° (194°) (A. 282, 198; B. 27, 844). — IV, 698.
- C<sub>18</sub>H<sub>17</sub>O<sub>1</sub>N<sub>2</sub>** C 77,1 — H 6,1 — O 8,9 — N 7,8 — M. G. 358.  
 1) 3,4-Di[Phenacetylamido]-1-Methylbenzol. Sm. 174—176° (B. 24, 633). — IV, 617.  
 2) 3,5-Di[Acetylphenylamido]-1-Methylbenzol. Sm. 160° (J. pr. [2] 33, 544). — IV, 625.  
 3)  $\alpha$ -Benzoylamido- $\gamma$ -Phenylbenzoylamidopropan. Sm. 96,5—97,5° (G. 19, 691). — II, 1170.  
 4)  $\alpha$ -Benzoylamido- $\beta$ -[2-Methylphenyl]benzoylamidoäthan. Sm. 164,5° (B. 24, 2195). — II, 1169.  
 5)  $\alpha$ -Benzoylamido- $\beta$ -[4-Methylphenyl]benzoylamidoäthan. Sm. 161° (B. 24, 2197). — II, 1169.  
 6)  $\alpha$ -Dioximido- $\alpha\gamma\epsilon$ -Triphenylpentan. Sm. 163,5° (A. 302, 243).  
 7) Dibenzyläther d.  $\alpha\beta$ -Dioximidopropylbenzol. Sm. 55—56° (A. 291, 294). — III, 269.  
 8) Aethylester d.  $\beta$ -Diphenylhydrazon- $\beta$ -Phenylpropionsäure. Sm. 100 bis 110° (B. 30, 3009). — IV, 695.  
 9) Di[Phenylamid] d. 1-Methylbenzol-3-[Aethyl- $\beta\beta$ -Dicarbonsäure]. Sm. 188° (B. 23, 111). — II, 1856.

- C<sub>11</sub>H<sub>11</sub>O<sub>2</sub>N<sub>2</sub>**<sup>16)</sup> Verbindung (aus 6-Phenylcumalin u. 2 Molec. Anilin). Sm. 115—118°. + C<sub>6</sub>H<sub>6</sub> (Sm. 142°) (B. **29**, 1677; G. **26**, [2] 345).
- C<sub>11</sub>H<sub>11</sub>O<sub>2</sub>N<sub>4</sub>** C 71,5 — H 5,7 — O 8,3 — N 14,5 — M. G. 386.
- 1) Phenylsazone d. Oxyphenylcumalin. Sm. 193° (A. **282**, 202). — II, 165°.
  - 2)  $\alpha$ -Phenyl- $\beta$ -Acetylhydrazid d.  $\beta$ -Benzyliden- $\alpha$ -Phenylhydrazidoessigsäure. Sm. 184° (A. **301**, 55).
- C<sub>11</sub>H<sub>11</sub>O<sub>3</sub>N<sub>2</sub>** C 73,5 — H 5,9 — O 12,8 — N 7,5 — M. G. 374.
- 1) Methyläther d. 2- $\beta$ -Benzoylamidoäthylbenzoylamido-1-Oxybenzol. Sm. 134—135° (B. **27**, 930). — II, 116°.
  - 2)  $\alpha$ -Benzylidenamido- $\alpha$ -Oxy- $\beta$ -[4-Methylphenyl]amido- $\beta$ -Phenylpropionsäure. Sm. 213° u. Zers. (B. **29**, 1735).
- C<sub>11</sub>H<sub>11</sub>O<sub>2</sub>N<sub>4</sub>** C 65,6 — H 5,5 — O 11,9 — N 13,9 — M. G. 402.
- 1) 4-Phenylamidoformyl-7- $\beta$ -Phenylharnstoff-3-Methyl-3,4-Dihydro-1,4-Benzoxazin. Sm. 20° (B. **30**, 1640). — IV, 854.
- C<sub>11</sub>H<sub>11</sub>O<sub>4</sub>N<sub>2</sub>** C 70,8 — H 5,6 — O 16,4 — N 7,2 — M. G. 390.
- 1)  $\alpha$ -Benzylidenamido- $\beta$ -[4-Methoxyphenyl]amido- $\alpha$ -Oxy- $\beta$ -Phenylpropionsäure + H<sub>2</sub>O. Sm. 198° (B. **31**, 2707).
  - 2) Diäthylester d.  $\alpha\gamma$ -Di[2-Cyanophenyl]propan- $\beta$ -Dicarbonsäure. Sm. 86° (B. **22**, 2019). — II, 1893.
- C<sub>11</sub>H<sub>11</sub>O<sub>4</sub>N<sub>4</sub>** C 66,0 — H 5,3 — O 15,3 — N 13,4 — M. G. 418.
- 1) 4-[3-p-Dimethylamidophenylazophenyl]-2,6-Dimethylpyridin-3,5-Dicarbonsäure. Zers. bei 170° (G. **17**, 470). — IV, 1457.
  - 2) Aethylester d.  $\beta\beta$ -Di[5-Keto-1-Phenyl-4,5-Dihydropyrazolyl-4-]propionsäure. Sm. 173 — 174° (145%). (2 HCl, PtCl<sub>4</sub>) (B. **28**, 632). — IV, 1266.
- C<sub>11</sub>H<sub>11</sub>O<sub>5</sub>N<sub>2</sub>** C 60,8 — H 4,8 — O 28,2 — N 6,2 — M. G. 454.
- 1) 2,4-Di[2,5-Dimethyl-1-Pyrrolyl]-1-Methylbenzol-2',4',4'-Tetra-carbonsäure. Zers. bei 248° (A. **236**, 313). — IV, 1021.
- C<sub>11</sub>H<sub>11</sub>N<sub>2</sub>S<sub>2</sub>** 1) Verbindung (aus Benzaldehyd u. Phenylthioessigsäuracamid). + PtCl<sub>4</sub> (A. **192**, 60). — III, 35.
- C<sub>11</sub>H<sub>11</sub>ON<sub>3</sub>** C 77,3 — H 6,4 — O 4,5 — N 11,8 — M. G. 357.
- 1) 4-Methylphenylamid d. 4-Methylphenylamido-4-Methylphenylimidoessigsäure. Sm. 182° (B. **28**, 62).
- C<sub>11</sub>H<sub>11</sub>O<sub>2</sub>N** C 60,0 — H 6,7 — O 9,3 — N 4,0 — M. G. 345.
- 1) 3-Allo-Lemonyl- $\beta$ -Naphtochinolin-1-Carbonsäure. Sm. 235° (J. pr. [2] 58, 88).
  - 2) 3-Chloroaldehyde- $\beta$ -Naphtochinolin-1-Carbonsäure. Sm. 204° (J. pr. [2] 58, 78).
  - 3) Citral- $\beta$ -Naphtochinolin-1-Carbonsäure. +  $\frac{1}{2}$ H<sub>2</sub>O. Sm. 197°. Ag (B. **27**, 354, 2026); **28**, 2133; **31**, 3327; J. pr. [2] 58, 83). — IV, 460.
  - 4) Amid d. Amarsäure. Sm. 145—152° (A. **275**, 70). — II, 1725.
- C<sub>11</sub>H<sub>11</sub>O<sub>2</sub>N<sub>2</sub>** C 74,0 — H 6,2 — O 8,6 — N 11,2 — M. G. 373.
- 1)  $\alpha$ -Phenyl- $\beta$ -[4-Methylphenyl]- $\beta$ -[2-Acetylaminobenzyl]harnstoff. Sm. 141° (J. pr. [2] 55, 246). — IV, 633.
  - 2) Tri[4-Methylphenyl]biuret. Sm. 155—156° (B. **21**, 506). — II, 495.
- C<sub>11</sub>H<sub>11</sub>O<sub>3</sub>N** C 76,4 — H 6,4 — O 13,3 — N 3,9 — M. G. 361.
- 1) Phenylpiperin (3,4-Methylenäther d.  $\alpha$ -Keto- $\epsilon$ -Piperidyl- $\alpha$ -[3,4-Dioxophenyl]- $\delta$ -Phenyl- $\gamma$ -Pentadien). Sm. 134° (B. **28**, 1196). — IV, 17.
  - 2) Aethylester d.  $\alpha$ -[2-Naphyl]amido- $\gamma$ -Oxy- $\alpha$ -Phenyl- $\beta$ -Buten- $\beta$ -Carbonsäure. Sm. 100—101° (B. **31**, 1389).
  - 3) Aethylester d.  $\alpha$ -[2-Naphyl]amido- $\gamma$ -Keto- $\alpha$ -Phenylbutan- $\beta$ -Carbonsäure. Sm. 74—75° (B. **31**, 1389).
- C<sub>11</sub>H<sub>11</sub>O<sub>5</sub>N** C 70,2 — H 5,8 — O 20,3 — N 3,6 — M. G. 393.
- 1) Berberin + Aceton. — III, 800.
  - 2) Decarbonsinianilid. Sm. 169—171° (G. **12**, 247). — II, 2057.
- C<sub>11</sub>H<sub>11</sub>O<sub>6</sub>N** C 67,5 — H 5,6 — O 23,5 — N 3,4 — M. G. 409.
- 1) Corycavins. Sm. 214—215%. HCl, (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O), HJ (A. **277**, 15; C. **1890** [2] 793). — III, 877.
- C<sub>11</sub>H<sub>11</sub>N<sub>2</sub>Cl** 1) Chloräthylat d. 5 oder 6-Methyl-2-Phenyl-1-Benzylbenzimidazol. 2 + PtCl<sub>4</sub> (B. **11**, 594). — IV, 619.
- C<sub>11</sub>H<sub>11</sub>N<sub>2</sub>Br** 1) Diäthylcyaninbromid. Sm. noch nicht bei 290° (R. **3**, 340). — IV, 315.
- C<sub>11</sub>H<sub>11</sub>N<sub>2</sub>J** 1) Diäthylcyaninjodid. Sm. 271—273° (R. **2**, 321). — IV, 315.
- 2) Diäthylisocyaninjodid. Sm. 150—152° u. Zers. (R. **3**, 346). — IV, 308.

- C<sub>23</sub>H<sub>22</sub>N<sub>2</sub>J** 3) Jodäthylat d. 5 oder 6-Methyl-2-Phenyl-1-Benzylbensimidazol + 1½ H<sub>2</sub>O. Sm. 180–181°. + J<sub>2</sub> (B. 11, 593). — IV, 619.
- C<sub>23</sub>H<sub>23</sub>N<sub>3</sub>S<sub>2</sub>** 1) *α*-Methyläthyltriphenyldithiobiuret. Sm. 157,5° (B. 21, 108). — II, 400.
- 2) *β*-Methyläthyltriphenyldithiobiuret. Sm. 156,5° (B. 21, 109). — II, 400.
- C<sub>23</sub>H<sub>21</sub>ON<sub>4</sub>** C 74,2 — H 6,4 — O 4,3 — N 15,1 — M. G. 372.
- 1) Äthylläther d. 2-Oxy-*β*-Di[2-Methylphenylazo]-1-Methylbenzol. Sm. 102° (B. 23, 3260). — IV, 1424.
- 2) Äthylläther d. 2-Oxy-*β*-Di[4-Methylphenylazo]-1-Methylbenzol. Sm. 107–108° (B. 23, 3262). — IV, 1424.
- 3) *α*-Phenyl-*β*-Phenylazo-*β*-[4-Isopropylbenzyl]harnstoff. Sm. 101° (B. 21, 929). — IV, 1573.
- 4) *α*-Phenyl-*β*-[4-Methylphenyl]azo-*β*-[2,4,5-Trimethylphenyl]harnstoff. Sm. 102° (B. 25, 1360). — IV, 1573.
- 5) 4-Dimethylamidophenylamid d. *α*-Phenyl-*β*-Benzylidenhydrazidoessigsäure. Sm. 184–185° (B. 30, 1101; A. 301, 77).
- 6) Verbindung (aus Acetophenonphenylhydrazon u. Formaldehyd). Sm. 185° (Soc. 69, 1286). — IV, 771.
- C<sub>23</sub>H<sub>21</sub>O<sub>4</sub>N<sub>2</sub>** C 76,7 — H 6,6 — O 8,9 — N 7,8 — M. G. 360.
- 1) 4-Aethyläthether d. 5-[2-Oxybenzyliden]amido-2-[4-Methylphenyl]-amido-4-Oxy-1-Methylbenzol. Sm. 157° (B. 27, 2708). — III, 74.
- 2) Diäthylläther d. *α*-Phenylhydrazondi[2-Oxyphenyl]methan. Sm. 114° (B. 19, 2611). — IV, 776.
- 3) Isobutylläther d. *β*-Phenylamido-*β*-Oxy-2-Methyl-1,4-Benzoquinonphenylimid. Sm. 117° (B. 16, 1561). — III, 361.
- 4) Verbindung (aus Benzylidendiacetylacetone). Sm. 177° (A. 281, 83). — IV, 788.
- C<sub>23</sub>H<sub>24</sub>O<sub>4</sub>N<sub>4</sub>** C 71,1 — H 6,2 — O 8,2 — N 14,4 — M. G. 388.
- 1)  $\beta\beta$ -Di[5-Keto-3-Methyl-1-Phenyl-4,5-Dihydropyrazolyl-4-]propan. Sm. 138° (A. 238, 181; B. 30, 484). — IV, 1265.
- 2) Di[3 - Keto - 1,5 - Dimethyl - 2 - Phenyl - 2,3 - Dihydropyrazolyl - 4 - ]-methan + H<sub>2</sub>O (Methylenbisantipyrin). Sm. 179° (177°) wasserfrei. 2HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub>, H<sub>3</sub>PO<sub>4</sub>, Pikrat (A. 255, 246; B. 28, 1183; 29, 1826; Bl. [3] 15, 520; [3] 17, 1023; G. 26 [2] 407). — IV, 1264.
- C<sub>23</sub>H<sub>24</sub>O<sub>4</sub>N<sub>6</sub>** C 66,3 — H 5,8 — O 20,7 — N 20,2 — M. G. 416.
- 1) Verbindung (aus Akonsäure u. Phenylhydrazin). Sm. 178–179° (B. 27, 3441). — IV, 708.
- C<sub>23</sub>H<sub>24</sub>O<sub>4</sub>N<sub>2</sub>** C 70,4 — H 6,1 — O 16,3 — N 7,1 — M. G. 392.
- 1) Acetoxystrychnin. (2HCl, PtCl<sub>4</sub>) (Z. 1871, 435). — III, 939.
- C<sub>23</sub>H<sub>24</sub>O<sub>4</sub>N<sub>4</sub>** C 65,7 — H 5,7 — O 15,2 — N 13,3 — M. G. 420.
- 1) Anhydrido[Acetylphenylhydrazid] d. Hydrochelidonsäure (A. 267, 97). — IV, 714.
- 2) Ketobisphenylacetylhydrazidanhydrid d. *β*-Acetylpropan-*α*-*γ*-Dicarbonsäure. Sm. 243° (A. 295, 122). — IV, 715.
- C<sub>23</sub>H<sub>24</sub>O<sub>4</sub>N<sub>2</sub>** C 67,6 — H 5,9 — O 19,6 — N 6,9 — M. G. 406.
- 1) Verbindung (aus Phthalysägsäure). Sm. 129° (B. 19, 2368). — II, 1873.
- C<sub>23</sub>H<sub>21</sub>O<sub>6</sub>S<sub>2</sub>** 1) *ααα*-Tribenzylsulfonäthan. Sm. 218° (B. 25, 358). — II, 1053.
- C<sub>23</sub>H<sub>24</sub>O<sub>4</sub>Br<sub>2</sub>** 1) Tetraäthylläther d. Dibromquerecetin. Sm. 169–173° (M. 15, 685). — III, 605.
- C<sub>23</sub>H<sub>24</sub>O<sub>4</sub>N<sub>4</sub>** C 57,0 — H 5,0 — O 26,4 — N 11,6 — M. G. 484.
- 1) Dinitrobrucin. (2HCl, PtCl<sub>4</sub>) (B. 14, 766). — III, 947.
- C<sub>23</sub>H<sub>24</sub>O<sub>10</sub>N<sub>2</sub>** C 56,6 — H 4,9 — O 32,8 — N 7,7 — M. G. 488.
- 1) Verbindung (aus Ouabatin). Zers bei 300°. NH<sub>4</sub>, K, Na, Ca + 2H<sub>2</sub>O (Bl. [3] 19, 992; C. 1898 [2] 352).
- C<sub>23</sub>H<sub>21</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) 2',5'-Dichlor-4',4'-Di[Dimethylamido]triphenylmethan. Sm. 179° (A. 296, 72). — IV, 1043.
- C<sub>23</sub>H<sub>21</sub>N<sub>4</sub>S<sub>2</sub>** 1) Trimethylentriphenyldithiobarnstoff. Sm. 144–145° (B. 23, 1172). — II, 397.
- C<sub>23</sub>H<sub>21</sub>ON<sub>5</sub>** C 71,3 — H 6,5 — O 4,1 — N 18,1 — M. G. 387.
- 1) *α*-Phenylhydrazon-3-Nitrosodi[4-Dimethylamidophenyl]methan. Sm. 148° (B. 22, 338). — IV, 776.

- C<sub>23</sub>H<sub>25</sub>O<sub>9</sub>N** C 79,5 — H 7,2 — O 9,2 — N 4,0 — M. G. 347.  
 1) 3-Citronellal-β-Naphtochinolin-1-Carbonsäure + H<sub>2</sub>O. Sm. 225° (wasserfrei). Ag (B. 27, 354; 31, 2902). — IV, 451.
- C<sub>23</sub>H<sub>25</sub>O<sub>9</sub>N<sub>2</sub>** C 73,6 — H 6,7 — O 8,5 — N 11,2 — M. G. 375.  
 1) 3'-Nitro-2<sup>2</sup>,2<sup>2</sup>-Diamido-3<sup>1</sup>,5<sup>1</sup>,3<sup>1</sup>,5<sup>1</sup>-Tetramethyltriphenylmethan? Sm. 91—92°. 2HCl, (2HCl, PtCl<sub>4</sub>) (B. 21, 3216). — IV, 1048.  
 2) 4'-Nitro-2<sup>2</sup>,2<sup>2</sup>-Diamido-3<sup>1</sup>,5<sup>1</sup>,3<sup>1</sup>,5<sup>1</sup>-Tetramethyltriphenylmethan? Sm. 89—90°. 2HCl, (2HCl, PtCl<sub>4</sub>) (B. 21, 3215). — IV, 1048.  
 3) 4-Nitrophenyldi[Amidodimethylphenyl]methan (aus 2-Amido-1,3-Dimethylbenzol). Sm. 130° (M. 19, 641).  
 4) 2'-Nitro-4<sup>2</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 159—160° (B. 15, 682; 17, 1889). — IV, 1044.  
 5) 3'-Nitro-4<sup>2</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 152° (B. 12, 802). — IV, 1044.  
 6) 4'-Nitro-4<sup>2</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 176—177° (B. 14, 2520). — IV, 1044.  
 7) 5-Nitroso-4<sup>2</sup>,4<sup>2</sup>-Di[Dimethylamido]-2'-Oxytriphenylmethan? Sm. 217° (B. 31, 2352).  
 8) α-Oxy-4'-Nitroso-4<sup>2</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 142—143° (Bl. [3] 17, 657).  
 9) Verbindung (aus 4'-Nitro-4<sup>2</sup>,4<sup>2</sup>-Tetramethyldiamidotriphenylmethan). Sm. 100—105° (Bl. [3] 17, 657).
- C<sub>23</sub>H<sub>25</sub>O<sub>9</sub>N** C 76,0 — H 6,9 — O 13,2 — N 3,9 — M. G. 363.  
 1) Monopiperid d. α-Truxillsäure. Sm. 250° (B. 22, 2263). — IV, 17.  
 2) Monopiperid d. β-Truxillsäure. Sm. 224° (B. 22, 2264). — IV, 17.  
 3) Monopiperid d. γ-Truxillsäure. Sm. 261°. Piperidinsalz + 3H<sub>2</sub>O (B. 22, 2262). — IV, 17.  
 4) Verbindung (aus Amarsäure). Sm. 124° u. Zers. (A. 275, 71). — II, 1725.
- C<sub>23</sub>H<sub>25</sub>O<sub>9</sub>N<sub>3</sub>** C 70,6 — H 6,4 — O 12,3 — N 10,7 — M. G. 391.  
 1) Acetylaminodstrychnin + H<sub>2</sub>O. Sm. 205° (M. 7, 77). — III, 941.  
 2) α-Oxy-2-Nitro-4<sup>2</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 163° (B. 17, 1890). — II, 1086.  
 3) α-Oxy-3-Nitro-4<sup>2</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Pikrat (B. 12, 802; 13, 672). — II, 1086.  
 4) α-Oxy-4-Nitro-4<sup>2</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Pikrat (B. 12, 800; 14, 2528). — II, 1086.
- C<sub>23</sub>H<sub>25</sub>O<sub>9</sub>Sb** 1) Monoacetat d. Antimontri[3-Methylphenyl]dioxyhydrat. Sm. 142 bis 143° (A. 242, 187). — IV, 1697.  
 2) Monoacetat d. Antimontri[4-Methylphenyl]dioxyhydrat. Sm. 168 bis 169° (A. 242, 175). — IV, 1697.
- C<sub>23</sub>H<sub>25</sub>O<sub>9</sub>N** C 72,8 — H 6,6 — O 16,9 — N 3,7 — M. G. 379.  
 1) Lanthopin. Sm. bei 200°. HCl + 6H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) + 2H<sub>2</sub>O (A. 153, 57; A. Spt. 8, 271). — III, 919.  
 2) Aethylester d. 6-[4-Aethoxyphenyl]amido-4-Keto-2-Phenyl-1,2,3,4-Tetrahydrobenzol-3-Carbonsäure. Sm. 168° (A. 294, 279).
- C<sub>23</sub>H<sub>25</sub>O<sub>9</sub>Cl** 1) Verbindung (aus Methylaurin) (A. 202, 204). — II, 1121.
- C<sub>23</sub>H<sub>25</sub>O<sub>9</sub>N** C 69,9 — H 6,3 — O 20,2 — N 3,5 — M. G. 395.  
 1) Methyläther d. Diacetylthebenin (Diacetylmethebenin). Sm. 176° (B. 32, 180).
- C<sub>23</sub>H<sub>25</sub>O<sub>9</sub>N** C 67,1 — H 6,1 — O 23,4 — N 3,4 — M. G. 411.  
 1) Aethylhydrastin. Sm. 126—127°. (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>), HNO<sub>3</sub> (B. 23, 411; R. 5, 299). — II, 2054.
- C<sub>23</sub>H<sub>25</sub>O<sub>9</sub>N<sub>3</sub>** C 62,9 — H 5,7 — O 21,9 — N 9,5 — M. G. 439.  
 1) Nitrobrucin + 4H<sub>2</sub>O. Zers. bei 240°. (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> (B. 19, 521). — III, 947.
- C<sub>23</sub>H<sub>25</sub>O<sub>9</sub>N<sub>5</sub>** C 59,1 — H 5,4 — O 20,5 — N 15,0 — M. G. 467.  
 1) 1,3,5-Trinitrobenzol + Di[4-Dimethylamidophenyl]methan. Sm. 114° (R. 7, 227). — IV, 974.
- C<sub>23</sub>H<sub>25</sub>O<sub>9</sub>N** C 62,3 — H 5,6 — O 28,9 — N 3,2 — M. G. 443.  
 1) Verbindung (aus Ouabain). Sm. 280° u. Zers. NH<sub>4</sub> (Bl. [3] 19, 992; C. 1898 [2] 352).
- C<sub>23</sub>H<sub>25</sub>N<sub>2</sub>Cl** 1) 4'-Chlor-4<sup>2</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 142—143°. (2HCl, PtCl<sub>4</sub>) (B. 19, 743). — IV, 1043.
- C<sub>23</sub>H<sub>25</sub>N<sub>2</sub>J** 1) Diäthylisocyaninjodid + ½H<sub>2</sub>O (B. 16, 1851). — IV, 308.

- C<sub>23</sub>H<sub>23</sub>N<sub>3</sub>Cl**, 1) 4'-Amido-4<sup>1</sup>,4<sup>2</sup>-Di[3-Chlor-4-Dimethylamido]triphenylmethan. Sm. 181° (B. 20, 1565). — IV, 1194.  
**C<sub>23</sub>H<sub>26</sub>ON**, C 79,8 — H 7,5 — O 4,6 — N 8,1 — M. G. 346.  
 1)  $\beta$ -Tetramethyldiamido-2-Oxytriphenylmethan. Sm. 127—128° (B. 14, 2522). — II, 904.  
 2)  $\beta$ -Tetramethyldiamido-4-Oxytriphenylmethan. Sm. 163° (B. 14, 2523). — II, 904.  
 3)  $\alpha$ -Oxy-4,4'-Di[Dimethylamido]triphenylmethan (Malachitgrün). Sm. 132°. Salze siehe (A. 206, 130; 217, 250; B. 11, 950, 1238; 12, 769; 13, 2222; 14, 2521; 28, 211; Bl. [3] 9, 688). — II, 1084.  
 4) 2-Oxy-1-Di[Aethylphenylamido]methylbenzol (Sallydräthylanilid). Fl. (A. 160, 195). — III, 73.  
**C<sub>23</sub>H<sub>26</sub>O<sub>2</sub>N<sub>3</sub>**, C 76,2 — H 7,2 — O 8,8 — N 7,7 — M. G. 362.  
 1) 4',4<sup>1</sup>-Di[Dimethylamido]-2',2<sup>1</sup>-Dioxytriphenylmethan. Sm. 178° (J. pr. [2] 54, 252).  
**C<sub>23</sub>H<sub>26</sub>O<sub>2</sub>N<sub>3</sub>**, C 73,0 — H 6,9 — O 12,7 — N 7,4 — M. G. 378.  
 1) Strychninoxyhydrat. Salze siehe (J. 1861, 544). — III, 938.  
 2)  $\alpha$ , $\beta$ -Trioxo-3',3<sup>1</sup>-Di[Dimethylamido]triphenylmethan (Tetramethylrosauin). Chlorid, (2Chlorid + PtCl<sub>4</sub>) (B. 22, 3002). — II, 1115.  
 3) Isoamylester d.  $\alpha$ , $\beta$ -Di[Phenylimido]- $\gamma$ -Ketopentan- $\alpha$ -Carbonsäure. Sm. 126—127° (Bl. [3] 11, 481).  
**C<sub>23</sub>H<sub>26</sub>O<sub>4</sub>N<sub>2</sub>**, C 70,1 — H 6,6 — O 16,2 — N 7,1 — M. G. 394.  
 1) Aricin. Sm. 188° u. Zers. HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 5H<sub>2</sub>O), HJ, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, Rhodanid, Acetat, Dioxalat + 2H<sub>2</sub>O, Salicylat + 2H<sub>2</sub>O (A. 185, 310; Berz. J. 9, 222; 13, 265; 24, 403). — III, 855.  
 2) Brucin + 4H<sub>2</sub>O. Sm. 105° (178° wasserfrei). Salze meist bck. Lit. bedeutend. — III, 944.  
 3) Cusconin + 2H<sub>2</sub>O. Sm. 110° (wasserfrei). (HCl, HgCl<sub>2</sub> + 2H<sub>2</sub>O), (2HCl, PtCl<sub>4</sub> + 5H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub>, Rhodanid (A. 185, 301). — III, 855.  
 4) Conusconin + H<sub>2</sub>O. Sm. 144°. (2HCl, PtCl<sub>4</sub> + 5H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub>, Oxalat (B. 16, 61; A. 225, 234). — III, 929.  
 5) Diacetylapochinin. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (A. 205, 336). — III, 818.  
 6) Diacetylapooconchinin. Sm. 60°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (A. 205, 337). — III, 826.  
 7) Diacetylapeprin. Sm. 88° (A. 230, 63). — III, 822.  
**C<sub>23</sub>H<sub>26</sub>O<sub>4</sub>N<sub>2</sub>**, C 65,4 — H 6,2 — O 15,1 — N 13,3 — M. G. 422.  
 1) Phenylhydrazon d. 4-Acetyl-5-Phenyl-4,5-Dihydropyrazol-3,4-Dicarbonsäurediäthylester.  $\alpha$ -Form Sm. 135—136°;  $\beta$ -Form Sm. 110 bis 111° (B. 28, 222). — IV, 593.  
**C<sub>23</sub>H<sub>26</sub>O<sub>5</sub>N<sub>2</sub>**, C 67,3 — H 6,3 — O 19,5 — N 6,8 — M. G. 410.  
 1) Aethylhydraztimid. Sm. 150—151° (B. 23, 2903). — II, 2054.  
**C<sub>23</sub>H<sub>26</sub>O<sub>6</sub>N<sub>2</sub>**, C 64,8 — H 6,1 — O 22,5 — N 6,6 — M. G. 426.  
 1) Narceinol. HCl, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> (A. 286, 251). — II, 2081.  
 2)  $\alpha$ , $\gamma$ -Di[Benzoylamido]heptan- $\delta$ -Dicarbonsäure. Sm. 188—189°. Ba (B. 26, 2141). — II, 1192.  
**C<sub>23</sub>H<sub>26</sub>O<sub>7</sub>**, C 62,4 — H 5,9 — O 25,3 — N 6,3 — M. G. 442.  
 1) Narcoinoximanhydrat. Sm. 171—173° (A. 277, 52). — II, 2081.  
**C<sub>23</sub>H<sub>26</sub>NJ**, 1) Aethyltribenzylammoniumjodid. Sm. 190° (B. 7, 82; 19, 1029). — II, 523.  
 2) Jodäthylat d. 3,5-Di[2-Methylbenzyl]pyridin. Sm. 148—149° (A. 280, 86). — IV, 457.  
 3) Jodäthylat d. 3,5-Di[3-Methylbenzyl]pyridin. Sm. 109—109,5° (A. 280, 82). — IV, 457.  
 4) Jodäthylat d. 3,5-Di[4-Methylbenzyl]pyridin. Sm. 148—150° (A. 280, 77). — IV, 458.  
**C<sub>23</sub>H<sub>26</sub>N<sub>3</sub>Cl**, 1) 4'-Chlor-3'-Amido-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 167—167,5° (A. 294, 382). — IV, 1194.  
**C<sub>23</sub>H<sub>26</sub>N<sub>3</sub>J**, 1) Trimethylrosanilinjodid. — II, 1091.  
**C<sub>23</sub>H<sub>26</sub>ClP**, 1) Aethyltribenzylphosphoniumchlorid + H<sub>2</sub>O. 2 + PtCl<sub>4</sub> (Soc. 53, 725). — IV, 1665.  
**C<sub>23</sub>H<sub>26</sub>JP**, 1) Isoamyltriphenylphosphoniumjodid. Sm. 174° (A. 229, 315). — IV, 1661.  
**C<sub>23</sub>H<sub>26</sub>JAs**, 1) Aethyltribenzylarsoniumjodid. Sm. 148° (A. 233, 77). — IV, 1691.

- C<sub>21</sub>H<sub>22</sub>ON<sub>2</sub>** C 72,5 — H 7,5 — O 4,4 — N 11,6 — M. G. v.t.  
1) Trimethylisoreindin. *J. pr.* [4] **25**, 266; *N. Beitr.*  
d. d. v. L. 1931; *Sci. 51*, 172. — II. *I. v.t.*  
2) *o*-Oxy-2,2,2-Tetramethylamidotriphenylmethan. Sm. 14° — 15°;  
*B. 17*, 172. — II. *I. v.t.*  
3) *o*-Oxy-4,4,4-Tetramethylamidotriphenylmethan. *J. 16*, 244.  
— II. *I. v.t.*
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 73,1 — H 7,7 — O 9,2 — N 4,9 — M. G. v.t.  
1) Diphenylamidoformid d. Geraniol. Sm. 50° — 54°. *Sci. 51*, 53.  
*G. 2* **56**. — III. 477.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 72,4 — H 7,1 — O 10,8 — N 5,7 — M. G. 381.  
1) Propyldienpapaverinum. *Fa. J. pr.* [4] **56**, 321.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 72,1 — H 6,6 — O 10,6 — N 5,2 — M. G. 434.  
1) Amudorbrucin. 2HCl (*B. 19*, 72). — III. 547.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** 2) Nitrosodimethylstrychnin. 2HCl (*A. 264*, 62). — III. 538.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 72,1 — H 7,1 — O 21,1 — N 3,5 — M. G. 527.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** 1) Dipropionylmorphin. 2HCl. PtCl<sub>4</sub> (*A. 222*, 26). — III. 524.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 72,0 — H 6,5 — O 21,2 — N 3,4 — M. G. 524.  
1) Methyleolechicin. M. G. 577. — III. 573.  
2) Triacetat d. Dihydromorphin + H<sub>2</sub>O. Sm. 155° (158° wasserfrei). *B.*  
*3* **21**, 232.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 62,6 — H 6,1 — O 21,8 — N 9,5 — M. G. 441.  
1) Nitrosobrucinsäure. HCl (*A. 304*, 4).
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 64,3 — H 6,3 — O 25,1 — N 3,4 — M. G. 429.  
1) Aethylhydrastein + 2H<sub>2</sub>O. Sm. 195° (26° — 267° z. 2. Male.). 2HCl.  
PtCl<sub>4</sub> + 4H<sub>2</sub>O (*B. 23*, 412). — II. 2053.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** 2) Hydrastinäthyloxyhydrat + 2H<sub>2</sub>O. Sm. 225 — 226°. — II. 2051.  
C 64,4 — H 5,8 — O 24,4 — N 9,2 — M. G. 457.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** 1) Nitrobrucinhydrat (*A. 304*, 4).
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 62,0 — H 6,1 — O 21,8 — N 3,1 — M. G. 445.  
1) Narcein + 3H<sub>2</sub>O. Sm. 175° (145,2°). Salze meist bek. Lit. bedeutend.  
— II. 2079.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** 2) Pseudonarcein + 3H<sub>2</sub>O. Sm. bei 195°. HCl + 3H<sub>2</sub>O. 2HCl. PtCl<sub>4</sub> (*A. 247*, 19%). — III. 515.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** 3) Narkotinamethoxyhydrat. Chlorid. Jodid (*A. 247*, 168). — III. 915.
- C<sub>21</sub>H<sub>22</sub>N<sub>2</sub>Cl<sub>2</sub>** 4) Isonarkotinamethoxyhydrat (*B. 30*, 1747).
- C<sub>21</sub>H<sub>22</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) Verbindung (aus *o*-Oxy-4,4'-Di(Dimethylamido)triphenylmethan) (*BL* [3] 9, 655). — II. 1055.
- C<sub>21</sub>H<sub>22</sub>N<sub>2</sub>Br<sub>2</sub>** 1) Verbindung (aus *o*-Oxy-4,4'-Di(Dimethylamido)triphenylmethan) (*BL* [3] 9, 655). — II. 1055.
- C<sub>21</sub>H<sub>22</sub>ON<sub>2</sub>** C 70,3 — H 5,9 — O 4,6 — N 8,0 — M. G. 348.  
1) *a*-D<sub>1</sub>L, 2,3,4-Tetrahydro-2-Naphthylmethylharnstoff. Sm. 225,5 bis  
226° (*B. 22*, 1914). — II. 599.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 75,8 — H 7,7 — O 8,8 — N 7,7 — M. G. 394.  
1) Di Phenylmid d. Oxycamphocarbonsäure. Sm. 222 — 223° (*C. 1895*  
21, 217).  
C 79,4 — H 7,1 — O 8,2 — N 14,3 — M. G. 392.  
1) Anhydrodiäthylphenylhydrazid d. Hydrochelidonsäure. Sm. 220  
bis 222° (*A. 267*, 109). — IV. 714.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 72,6 — H 7,4 — O 12,6 — N 7,4 — M. G. 380.  
1) Dimethylstrychnin + 6H<sub>2</sub>O (*A. 264*, 66). — III. 935.  
2) Isodimethylstrychnin + 3H<sub>2</sub>O (*A. 264*, 82). — III. 938.  
3) Aethylstrychnin + 4H<sub>2</sub>O (Strychninäthyloxyhydrat + 2H<sub>2</sub>O). Sm. 200°  
u. Zers. Salze siehe (*A. 92*, 335; **304**, 50; *J. pr.* [2] 3, 158; *B. 16*, 2748).  
— III. 935.  
4) Propionylstrychnin. Sm. 125°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), (HCl, AuCl<sub>4</sub> + 2H<sub>2</sub>O)  
(*A. 205*, 358). — III. 815.
- C<sub>21</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 69,7 — H 7,1 — O 16,1 — N 7,1 — M. G. 396.  
1) Vellosin. Sm. 189°. HCl + H<sub>2</sub>O. (2HCl, PtCl<sub>4</sub>, HBr + H<sub>2</sub>O, HJ + H<sub>2</sub>O,  
HNO<sub>3</sub> + H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + H<sub>2</sub>O) (*A. 282*, 249; *B. 26*, 1084). — III. 923°.  
2) Strychnin- $\beta$ -Oxyäthyloxyhydrat + 2H<sub>2</sub>O. Salze siehe (*A. 157*, 7;  
*R. 14*, 232). — III. 939.  
3) Aethylcarbonat d. Chinin (Euchinin). Sm. 95° (*C. 1897* [1] 182).

- C<sub>23</sub>H<sub>28</sub>O<sub>5</sub>N<sub>7</sub>** C 67,0 — H 6,8 — O 19,4 — N 6,8 — M. G. 412.  
 1) Hydrobrucin (*Soc.* **39**, 459). — **III**, 944.  
 2) Brucinsäure + H<sub>2</sub>O. Sm. 245° u. Zers. (*d.* **304**, 38).  
**C<sub>23</sub>H<sub>28</sub>O<sub>6</sub>N<sub>7</sub>** C 64,5 — H 6,5 — O 22,4 — N 6,5 — M. G. 428.  
 1) Methylhydrastmethylenamid. Sm. 182°. HCl (*B.* **23**, 2904). — **II**, 2053.  
 2) Aethylhydrastamid. Sm. 140° (*B.* **23**, 2902). — **II**, 2054.  
**C<sub>23</sub>H<sub>28</sub>O<sub>6</sub>N<sub>7</sub>** C 62,1 — H 6,3 — O 25,2 — N 6,3 — M. G. 444.  
 1) Narceinaminid + H<sub>2</sub>O. Sm. 178° (wasserfrei). HCl (*A.* **286**, 250). — **II**, 2080.  
**C<sub>23</sub>H<sub>28</sub>O<sub>6</sub>N<sub>7</sub>** C 60,0 — H 6,1 — O 27,8 — N 6,1 — M. G. 460.  
 1) Narceinoimin + H<sub>2</sub>O. Zers. bei 167° (*A.* **277**, 52). — **II**, 2081.  
**C<sub>23</sub>H<sub>28</sub>N<sub>4</sub>S** s-Di[1,2,3,4-Tetrahydro-2-Naphthylmethyl]thioharnstoff. Sm. 142,5 bis 143° (*B.* **22**, 1914). — **II**, 590.  
**C<sub>23</sub>H<sub>28</sub>O<sub>7</sub>N** C 78,7 — H 8,2 — O 9,1 — N 4,0 — M. G. 351.  
 1) Diphenylamidoformiat d. Citronellol. Fl. (*J. pr.* [2] **56**, 14, 42).  
**C<sub>23</sub>H<sub>28</sub>O<sub>7</sub>N<sub>3</sub>** C 72,8 — H 7,6 — O 8,4 — N 11,1 — M. G. 379.  
 1) Cyanäthylat d. Chinin. Sm. 90° (*B.* **16**, 2747). — **III**, 814.  
**C<sub>23</sub>H<sub>28</sub>O<sub>7</sub>N<sub>5</sub>** C 67,8 — H 7,1 — O 7,9 — N 17,2 — M. G. 407.  
 1) Verbindung (aus 4-Amido-1-Methylbenzol u. 4-Nitroso-1-Dimethylamido-benzol) (*B.* **12**, 1824). — **II**, 329.  
**C<sub>23</sub>H<sub>29</sub>O<sub>4</sub>N** C 72,1 — H 7,6 — O 16,7 — N 3,6 — M. G. 383.  
 1) d-Methylcorydalin. Sm. 112°. HCl + 6H<sub>2</sub>O (*A.* **277**, 8). — **III**, 876.  
 2) i-Methylcorydalin. Sm. 224° u. Zers. HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>, (HCl, AuCl<sub>4</sub>) (*C.* **1898** [2], 115).  
**C<sub>23</sub>H<sub>29</sub>O<sub>5</sub>N** C 69,2 — H 7,3 — O 20,0 — N 3,5 — M. G. 399.  
 1) Propoxyhydrat d. Papaverin. Chlorid, Sulfat + 2H<sub>2</sub>O (*J. pr.* [2] **56**, 330, 339).  
**C<sub>23</sub>H<sub>29</sub>O<sub>6</sub>N** C 59,6 — H 6,3 — O 31,1 — N 3,0 — M. G. 463.  
 1) Amidoecuminsaures Helicin (*B.* **12**, 2033). — **III**, 68.  
**C<sub>23</sub>H<sub>29</sub>O<sub>6</sub>N<sub>1</sub>** C 55,7 — H 5,9 — O 35,6 — N 2,8 — M. G. 495.  
 1) Benzylmonamid d. Tetracytolschleimsäurediäthylester. Sm. 182 bis 184° (*M.* **14**, 486). — **II**, 531.  
**C<sub>23</sub>H<sub>29</sub>ON<sub>2</sub>** C 72,8 — H 8,6 — O 4,6 — N 8,0 — M. G. 350.  
 1) Diäthylidenecinchonin. Sm. 85° (2HCl, PtCl<sub>4</sub>) (*A.* **269**, 282). — **III**, 834.  
**C<sub>23</sub>H<sub>29</sub>O<sub>7</sub>N<sub>2</sub>** C 75,4 — H 8,2 — O 8,7 — N 7,6 — M. G. 366.  
 1) α-Di[Benzoylamido]nonan. Sm. 118,5° (*C.* **1897** [2] 849).  
**C<sub>23</sub>H<sub>30</sub>O<sub>5</sub>N<sub>2</sub>** C 72,3 — H 7,8 — O 12,6 — N 7,3 — M. G. 382.  
 1) Yohimbinanhydrid. HCl (*C.* **1899** [1] 529).  
 2) Aethylester d. Phenylhydrazonsantonsäure. Sm. 115—116° (*G.* **22** [2], 195). — **II**, 1788.  
**C<sub>23</sub>H<sub>30</sub>O<sub>4</sub>N<sub>2</sub>** C 69,4 — H 7,5 — O 16,1 — N 7,0 — M. G. 398.  
**C<sub>23</sub>H<sub>30</sub>O<sub>5</sub>N<sub>2</sub>** 1) Methoxyhydrat d. Gelsemimin. Sm. 203° (*C.* **1896** [1] 111).  
 C 66,6 — H 7,2 — O 19,3 — N 6,8 — M. G. 414.  
 1) Conchairaminmethoxyhydrat. Salze siehe (*A.* **225**, 250). — **III**, 930.  
**C<sub>23</sub>H<sub>31</sub>O<sub>4</sub>N** C 71,7 — H 8,0 — O 16,6 — N 3,6 — M. G. 385.  
 1) 1-Benzot d. 1-Oximido-3-Hexyl-5-Methyl-1,2,3,4-Tetrahydrobenzo-4-Carbonsäureäthylester. Sm. 157—159° (*A.* **288**, 344).  
**C<sub>23</sub>H<sub>31</sub>N<sub>2</sub>Cl** 1) Chlorisoamylat d. 1-Isoamyl-2-Phenylbenzimidazol. HCl + 1 u. 3H<sub>2</sub>O, 2 + PtCl<sub>4</sub> (*A.* **210**, 366). — **IV**, 1007.  
**C<sub>23</sub>H<sub>31</sub>N<sub>2</sub>J** 1) Jodisoamylat d. 1-Isoamyl-2-Phenylbenzimidazol. + J<sub>2</sub> (*A.* **210**, 364). — **IV**, 1007.  
**C<sub>23</sub>H<sub>32</sub>ON<sub>3</sub>** C 78,4 — H 9,1 — O 4,5 — N 7,9 — M. G. 352.  
 1) Isoamyoxyhydrat d. 1-Isoamyl-2-Phenylbenzimidazol. Sm. 80 bis 81° u. 91—92%. (Chlorid + HCl + 1 u. 3H<sub>2</sub>O), 2 Chlorid + PtCl<sub>4</sub>, Jodid + J<sub>2</sub>, Nitrat (*A.* **210**, 364). — **IV**, 1007.  
**C<sub>23</sub>H<sub>32</sub>O<sub>4</sub>N<sub>2</sub>** C 69,0 — H 8,0 — O 16,0 — N 7,0 — M. G. 400.  
 1) Yohimbine (oder C<sub>21</sub>H<sub>28</sub>O<sub>4</sub>N<sub>2</sub> + ½ H<sub>2</sub>O). Sm. 214° (*C.* **1897** [2] 978; **1899** [1] 529).  
**C<sub>23</sub>H<sub>33</sub>N<sub>2</sub>S** 1) s-Di[6-Isobutyl-2-Methylphenyl]thioharnstoff. Sm. 175° (*B.* **17**, 2344). — **II**, 564.  
 2) s-Di[4-Pseudobutyl-2-Methylphenyl]thioharnstoff. Sm. 184° (*B.* **17**, 2335). — **II**, 564.  
 3) s-Di[Pentamethylphenyl]thioharnstoff. Sm. 252° (*B.* **18**, 1828). — **II**, 565.

- $C_{23}H_{21}N_4S_2$  1)  $\alpha\beta$ -Di[Phenylthiureido]nonan. Sm. 104,5° (C. 1897 [2] 849).  
 $C_{23}H_{20}O_6N_2$  C 57,6 — H 6,9 — O 26,7 — N 8,8 — M. G. 479.  
 1) Cetyl ester d. 2,4,6-Trinitrobenzol-1-Carbonsäure. Sm. 121—122° (B. 29, 1339).
- $C_{23}H_{21}O_2S_2$  1) Diethyläther d.  $\alpha$ -[1-Naphthyl]sulfon- $\beta\gamma$ -Dimerkaptopropan. Fl. (J. pr. [2] 56, 468).  
 2) Diethyläther d.  $\alpha$ -[2-Naphthyl]sulfon- $\beta\gamma$ -Dimerkaptopropan. Fl. (J. pr. [2] 56, 465).
- $C_{23}H_{24}O_6S_2$  1)  $\beta\gamma$ -Diethylsulfon- $\alpha$ -[2-Naphthyl]sulfonpropan. Sm. 136° (J. pr. [2] 56, 466).
- $C_{23}H_{23}O_2N_2$  C 73,8 — H 10,1 — O 8,6 — N 7,5 — M. G. 374.  
 1)  $\alpha$ -Palmitylphenylharnstoff. Sm. 90—91° (Soc. 60, 1596).  
 $C_{23}H_{22}O_6N_4$  C 59,2 — H 8,2 — O 20,6 — N 12,0 — M. G. 466.  
 1) 2,4,6-Trinitro-1-Heptadekylaminobenzol. Sm. 86° (Soc. 59, 715). — II, 336.
- $C_{23}H_{22}ON$  C 80,0 — H 11,3 — O 4,6 — N 4,1 — M. G. 345.  
 1)  $\alpha$ -Oximido- $\alpha$ -[4-Methylphenyl]hexadecan. Sm. 60° (J. pr. [2] 54, 402).
- $C_{23}H_{22}O_2S$  1) Hexadekyl-2-Methylphenylsulfon. Sm. 65° (J. pr. [2] 54, 526).
- $C_{23}H_{22}O_3S$  1) 4-Methylhexadekylbenzol-2-Sulfonsäure. Na (B. 21, 3183). — II, 161.
- $C_{23}H_{22}ON_2$  C 76,2 — H 11,6 — O 4,4 — N 7,7 — M. G. 362.  
 1) 6-Oxy-4,6-Dimethyl-2-Heptadekyl-1,3-Diazin. Sm. 98° (PINNER, Lindöfther 233). — IV, 833.
- $C_{23}H_{22}O_2Br_4$  1) Methylester d. Tetra brombehensäure. Sm. 29° (B. 25, 965). — I, 489.
- $C_{23}H_{22}O_2N$  C 75,6 — H 11,8 — O 8,8 — N 3,8 — M. G. 365.  
 1)  $\alpha$ -Cyanbebensäure. Sm. 87—89°. Zers. bei 180° (G. 27 [2] 301).
- $C_{23}H_{22}O_2Br$  1) Methylester d. Bromerucäsäure. Sm. 18—19° (B. 24, 4123). — I, 528.
- $C_{23}H_{22}O_2Cl_2$  1) Dichlorid d. Brassidinsäuremethylester. Sm. 42,5° (B. 24, 4123). — I, 477.  
 2) Dichlorid d. Erucasäuremethylester. Sm. 30,5° (B. 24, 4123). — I, 477.
- $C_{23}H_{24}O_8S$  1) Verbindung (aus Cardol). (C. 1896 [1] 112).  
 $C_{23}H_{24}O_7N$  C 61,7 — H 10,1 — O 25,1 — N 3,1 — M. G. 447.
- $C_{23}H_{24}ON$  1) Pachosin (J. pr. [2] 25, 25). — III, 574.
- $C_{23}H_{24}ON$  C 78,2 — H 13,3 — O 4,5 — N 4,0 — M. G. 353.
- $C_{23}H_{24}ON_2$  1) Lauronoxim. Sm. 39—40° (Soc. 57, 983). — I, 1031.
- $C_{23}H_{24}ON_2$  C 75,0 — H 13,0 — O 4,3 — N 7,6 — M. G. 368.  
 1)  $\alpha$ -Disoundekylharnstoff. Sm. 94—95° (G. 24 [2] 283).
- $C_{23}H_{24}N_2S$  1)  $\alpha$ -Disoundekylthioharnstoff. Sm. 50—51°. 4 + PtCl<sub>4</sub> (G. 24 [2] 281).

### $C_{23}$ -Gruppe mit vier Elementen.

- $C_{23}H_{14}O_7N_2Br_2$  1) 2-Naphthylester d. 3-Brom-4,6-Dinitro-5-Amido-2-Oxybenzol-1-Carbonsäure. Sm. 222° (B. 26, 1470). — II, 1514.
- $C_{23}H_{15}ON_2Br$  1)  $\beta$ -Brom-2-[2- $\beta$ -Oxynaphthylasophenyl]bensimidazol. Sm. 160 bis 170°. HCl (B. 31, 322). — IV, 1491.
- $C_{23}H_{16}ONCl$  1) Phenyl- $\beta$ -Chlor-2-Naphthylamid d. Benzolcarbonsäure. Sm. 152° (B. 17, 1591). — II, 1168.
- $C_{23}H_{18}ONBr$  1) 5-Keto-2-[ $\alpha$ -Brombenzyliden]-3,4-Diphenyl-2,5-Dihydropyrrol (Brombenzylidiphenylmaleimind). Sm. 213—214° (B. 24, 3869). — II, 1728.
- $C_{23}H_{16}ON_2S$  1) 2-[1-Naphthyl]imido-4-Keto-3-[1-Naphthyl]tetrahydrotiazol. Sm. 170° (B. 21, 974). — II, 610.  
 2) 2-[2-Naphthyl]imido-4-Keto-3-[2-Naphthyl]tetrahydrotiazol. Sm. 174° (B. 21, 974). — II, 620.
- $C_{23}H_{16}O_4N_4Cl_2$  1)  $\gamma$ -Phenylhydrason- $\alpha\beta$ -Di[5-Chlor-2-Nitrophenyl]- $\alpha\delta$ -Pentadien. Sm. 194—195° u. Zers. (d. 262, 144). — IV, 778.
- $C_{23}H_{17}ON_2Cl$  1) Chlormethylat d. Isorosindon. 2 + PtCl<sub>4</sub>, + AuCl<sub>3</sub> (B. 31, 307). — IV, 1056.
- $C_{23}H_{17}ON_2J$  1) Jodmethylat d. Isorosindon. Zers. bei 170—180° (B. 31, 306). — IV, 1056.
- $C_{23}H_{17}ON_2Br$  1)  $\alpha$ -Phenyl- $\beta$ -[2-Naphthyl]azo- $\beta$ -[4-Bromphenyl]harnstoff. Sm. 139 bis 140° (B. 21, 2570). — IV, 1574.

- $C_{19}H_{11}O_2NS$  1) **Benzoyl-1-Naphtylamid d. Benzolsulfonsäure.** Sm. 193—194° (Am. 19, 764).  
 2) **Benzoyl-2-Naphtylamid d. Benzolsulfonsäure.** Sm. 161—162° (Am. 19, 765).
- $C_{19}H_{11}O_2N_2S$  1) **2-Phenylazo-1-Benzylidenamidonaphthalin-5-Sulfonsäure** (B. 30, 53). — IV, 1399.  
 2) **2,3-Diphenyl-2,3-Dihydro-1,2,4-Naphtos-triazin-2'-Sulfonsäure.** Zers. bei 250—260°.  $Ca + 4H_2O$ ,  $Ba + 2H_2O$  (Soc. 59, 687). — IV, 1399.
- $C_{19}H_{11}O_4N_2Cl$  1) **Anhydro-4-Methylphenyl-1-Aethoxynaphtho-trazoniumchlorid** (B. 27, 2357). — IV, 1021.
- $C_{19}H_{18}ONBr$  1)  **$\beta$ -Brom-2-Keto-1-Methyl-3,3,5-Triphenyl-2,3-Dihydropyrrol.** Sm. 153° (Soc. 57, 699, 728). — IV, 475.
- $C_{19}H_{18}O_2NCl$  1) **Diphenyläther d. 4-Chlor-5,5-Dioxy-2-Keto-3-Methyl-1-Phenyl-2,5-Dihydropyrrol** (Chlorcitraconanidphenyläther). Sm. 125° (A. 295, 63).
- $C_{19}H_{18}O_2N_2Br$  1) **Farbstoff (aus Dibromgallaniid u. Nitrosodimethylamin)** (Bl. [3] 15, 408).
- $C_{19}H_{18}O_2N_2S$  1) **Verbindung (aus 1-Methylbenzol-4-Sulfonsäure-1-Naphtylamid).** Sm. 201° (B. 27, 2372). — IV, 1392.  
 2) **Verbindung (aus 1-Methylbenzol-4-Sulfonsäure-2-Naphtylamid).** Sm. 187° (B. 27, 2373). — IV, 1393.
- $C_{19}H_{19}O_2NS$  1)  **$\alpha$ -Di[2-Naphtylsulfon]- $\beta$ -Oximidopropan.** Sm. 116° (J. pr. [2] 55, 408).
- $C_{19}H_{19}O_2N_2Cl$  1) **Aethyläther d. 4-Methylphenyl-1-Oxynaphtho-trazoniumchlorid** (B. 27, 2357). — IV, 1021.
- $C_{19}H_{20}ON_2S$  1) **2-[2-Methylphenylbenzoylamido]-5-[2-Methylphenylamido]-1,3,4-Thiodiazol.** Sm. 214° (B. 23, 367). — IV, 1236.  
 2) **2-[4-Methylphenylbenzoylamido]-5-[4-Methylphenylamido]-1,3,4-Thiodiazol.** Sm. 186° (B. 23, 365). — IV, 1236.
- $C_{19}H_{20}O_2N_2Cl$  1) **2<sup>1</sup>,5<sup>2</sup>-Dichlor-4<sup>2</sup>,4<sup>2</sup>-Di[Acetylamido]triphenylmethan.** Sm. 212° (A. 299, 353). — IV, 1043.
- $C_{19}H_{20}O_2NCl$  1) **Chlorbenzylat d. Papaverolin + 2H<sub>2</sub>O.** Sm. 158° (J. pr. [2] 56, 343).
- $C_{19}H_{20}O_2N_2Cl$  1)  **$\gamma$ -Phenylhydrason- $\alpha$ -Dioxy- $\alpha$ -Di[5-Chlor-2-Nitrophenyl]pentan.** Sm. 193,5° (A. 262, 142). — IV, 777.
- $C_{19}H_{21}ONS$  1) **Benzylester d. Dimerkaptomethylenamidothiolameisensäuredibenzyläthersäure.** Sm. 92° (B. 28, 1938).
- $C_{19}H_{21}ON_2Cl$  1) **Verbindung (aus Acetylchlorid u. Amariu)** (J. pr. [2] 27, 298). — III, 24.
- $C_{19}H_{21}ON_2Cl$  1) **Trichlorvinylstrychnin**? (J. 1861, 544). — III, 938.
- $C_{19}H_{21}ON_2Br$  1)  **$\delta$ -Brom- $\gamma$ -Phenylhydrason- $\beta$ -Di[Phenylamido]butan- $\beta$ -Carbonsäure.** Sm. 80° (B. 23, 551). — II, 499.
- $C_{19}H_{21}O_2N_2S$  1) **Benzaldehyd-1-Naphtylthionaminsäures Amidobenzol.** Sm. 103° (A. 274, 254). — III, 7.
- $C_{19}H_{22}O_4N_2S$  1) **Farbstoff (aus 3,6-Di[Dimethylamido]-9-Phenylxanthen-9-Sulfonsäure)** (J. pr. [2] 54, 255).
- $C_{19}H_{22}O_2N_2S$  1) **Isopropenyläther d. Benzol-1,2-Dicarbonsäure- $\beta$ -Merkaptoäthylimid.** Sm. 141—143° (B. 25, 3054). — II, 1801.
- $C_{19}H_{23}O_2N_2Cl$  1) **2<sup>1</sup>,2<sup>2</sup>-Dichlor-4<sup>2</sup>-Nitro-4<sup>2</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan.** Sm. 208°. Pikrat (B. 20, 1564). — IV, 1044.
- $C_{19}H_{23}O_2N_2S$  1) **3,3'-Di[Aethylamido]phenolsaccharin** (Bl. [3] 17, 699).
- $C_{19}H_{23}O_2N_2S$  2) **3,3'-Di[Dimethylamido]phenolsaccharin** (Bl. [3] 17, 699).
- $C_{19}H_{24}O_2N_2Br$  1) **Tribrombrucin** (B. 18, 1238; 23 [2] 496). — III, 947.
- $C_{19}H_{24}ONJ$  1) **Jodmethylat d. Dibenzylidendropinon.** Sm. 264—265° u. Zers. (B. 30, 736). — IV, 466.
- $C_{19}H_{24}ON_2Cl$  1)  **$\alpha$ -Oxy-2',5'-Dichlor-2',2'-Di[Methylamido]-1',1'-Dimethyltrifluoromethan** (A. 298, 84).  
 2)  **$\alpha$ -Oxy-2',5'-Dichlor-4',4'-Di[Dimethylamido]triphenylmethan.** Sm. 168—169° (A. 298, 72, 81).
- $C_{19}H_{24}O_2N_2Cl$  1) **4'-Chlor-3'-Nitro-4',4'-Di[Dimethylamido]triphenylmethan.** Sm. 133—134° (A. 294, 342). — IV, 1044.
- $C_{19}H_{24}O_2N_2Br$  1) **Di[4,5-Dibrom-3-Keto-1,5-Dimethyl-2-Phenyltetrahydropyrazolyl-4-methan.** Sm. 140° u. Zers. (B. 28, 1184). — IV, 1265.
- $C_{19}H_{24}O_2N_2S$  1) **s-Diantipyrylthioharnstoff.** Sm. 248° u. Zers. (A. 293, 65). — IV, 1109.

- $C_{23}H_{24}O_2ClP$  1) Acetylchlorid + Tribenzylphosphinoxid (Soc. 55, 227). — IV, 1665.  
 $C_{23}H_{24}O_2N_2S$  1) Dimethylanilinsulfonphthalein (Am. 20, 128).  
 $C_{23}H_{24}O_2N_2Cl$  1) Dichlorbrucin (B. 23 [2] 496). — III, 947.  
 $C_{23}H_{24}O_2N_2Br$  1) Dibrombrucin (B. 23 [2] 496). — III, 947.  
 $C_{23}H_{24}O_2N_2S$  1) 3, 6-Di[Dimethylamido]-9-Phenylxanthen-9-Sulfonsäure. Na (J. pr. [2] 54, 254).  
 $C_{23}H_{25}ON, Cl$  1)  $\alpha$ -Oxy-4-Chlor-4', 4'-Di[Dimethylamido]triphenylmethan. Sm. 144—146° u. Zers. (B. 19, 744). — II, 1086.  
 $C_{23}H_{25}O_2N_2Cl$  1) Vinylchlorid d. Strychnin. 2 + PtCl<sub>4</sub> (J. 1861, 544). — III, 939.  
 $C_{23}H_{25}O_2N_2Cl$  1) Strychninacetylechlorid. 2 + PtCl<sub>4</sub> (J. 1874, 876). — III, 939.  
 $C_{23}H_{25}O_2N_2Br$  1) Brombrucin (J. 1847/48, 629). — III, 947.  
 $C_{23}H_{26}O_2NJ$  1) Jodmethylat d. Verb.  $C_{20}H_{28}O_2N$  (aus Tropison). Sm. 186—187° u. Zers. (B. 30, 2719).  
 $C_{23}H_{26}O_2N_2Br_2$  1) Strychninbromäthylliumbromid (J. 1861, 543). — III, 938.  
 $C_{23}H_{26}O_2N_2S$  1) Verbindung (aus Tetramethyldiamidobenzhydrol u. Benzolsulfinsäure). Sm. 194° (B. 30, 2804). — IV, 973.  
 $C_{23}H_{26}O_2N_2S$  1) 4, 4'-Di[Dimethylamido]triphenylmethan-9-Sulfonsäure. Na, Mg + 4 H<sub>2</sub>O, Ca + 3 H<sub>2</sub>O (B. 13, 2226). — IV, 1196.  
 $C_{23}H_{26}O_4N_2S$  1)  $\alpha$ -Oxy-4, 4'-Di[Dimethylamido]triphenylmethan-9-Sulfonsäure. Na, Mg + 4 H<sub>2</sub>O, Ca + 3 H<sub>2</sub>O (A. 217, 258). — II, 1089.  
 $C_{23}H_{26}O_4N_2S$  1) 3, 4-Di[Aethylphenylsulfonamido]-1-Methylbenzol. +  $\frac{1}{2}$  C<sub>8</sub>H<sub>6</sub>O (Sm. 117°) (A. 265, 190). — IV, 617.  
 $C_{23}H_{26}O_6NCl$  1) Chloräthylat d. Hydrastin. 2 + PtCl<sub>4</sub>, + AuCl<sub>3</sub>. — II, 2051.  
 $C_{23}H_{26}O_6NJ$  1) Jodmethylat d. Methylhydrastin. Zers. bei 250° (B. 23, 408). — II, 2052.  
2) Jodäthylat d. Hydrastin. Sm. 205—206° (J. 1884, 1397; 1889, 1910). — II, 2051.  
 $C_{23}H_{26}O_6N_2S$  1) m-Benzolsulfamido-d-Cocain. Sm. 69°. HCl (B. 27, 1883). — III, 868.  
 $C_{23}H_{26}O_6NCl$  1) Chlormethylat d. Narkotin. 2 + PtCl<sub>4</sub> (A. 247, 168). — III, 915.  
2) Chlormethylat d. Isonarkotin. 2 + PtCl<sub>4</sub> (B. 30, 1747).  
 $C_{23}H_{26}O_6NJ$  1) Jodmethylat d. Narkotin. Fl. (A. 247, 168). — III, 915.  
2) Jodmethylat d. Isonarkotin. Sm. 212° (B. 30, 1746).  
 $C_{23}H_{26}O_6N_2J$  1) Jodmethylat d. Methylnitrohydrastimid. Zers. bei 250° (A. 271, 404). — II, 2053.  
 $C_{23}H_{27}O_2N_2Cl$  1) Chloräthylat d. Strychnin. 2 + PtCl<sub>4</sub> (A. 92, 339). — III, 938.  
 $C_{23}H_{27}O_2N_2J$  1) Jodäthylat d. Strychnin (A. 92, 339). — III, 938.  
 $C_{23}H_{27}O_2N_2Cl$  1)  $\beta$ -Oxychloräthylat d. Strychnin + H<sub>2</sub>O. 2 + PtCl<sub>4</sub>, + AuCl<sub>3</sub> (A. 157, 8; R. 14, 232). — III, 939.  
 $C_{23}H_{27}O_2N_2Br$  1) Strychninbromäthylliumhydrat. Salze siehe (J. 1861, 543). — III, 938.  
 $C_{23}H_{27}O_2N_2S$  1) Di-4-Dimethylaminophenyl-4'-Amidophenylmethan-2'-Sulfonsäure (B. 29, 2300). — IV, 1196.  
 $C_{23}H_{27}O_4N_2Cl$  1) Diacetylhydrochlorapochinin. Sm. 184°. (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O) (A. 205, 351). — III, 819.  
2) Diacetylhydrochlorapocochinin. Sm. 168°. (2HCl, PtCl<sub>4</sub> + 3 H<sub>2</sub>O) (A. 205, 352). — III, 826.  
 $C_{23}H_{27}O_5N_2J$  1) Jodmethylat d. Methylhydrastimid. Sm. 240—245° (B. 23, 2903). — II, 2052.  
 $C_{23}H_{27}O_5N_2J$  1) Jodmethylat d. Methylhydrastinoxim. Sm. 155—156° (A. 271, 394). — II, 2053.  
 $C_{23}H_{27}O_6N_2J$  1) Jodmethylat d. Dioxymethylhydrastimid. Sm. 190° (A. 271, 407). — II, 2053.  
 $C_{23}H_{27}O_6N_2Br_2$  1)  $\alpha$ - $\gamma$ -Di[ $\alpha$ -Bromopropionyl-4-Methylphenylamido]propan. Sm. 127° (B. 31, 3248).  
 $C_{23}H_{28}O_2N_2S$  1) Benzaldehyd-2, 4-Dimethylphenylthioaminsaures 4-Amido-1, 3-Dimethylbenzol. Sm. 95° (A. 274, 234). — III, 7.  
 $C_{23}H_{28}O_4NCl$  1) Chlorpropylat d. Papaverin. Sm. 80° (J. pr. [2] 56, 334).  
 $C_{23}H_{28}O_5NJ$  1) Jodäthylat d. Diacetylmorphin +  $\frac{1}{2}$  H<sub>2</sub>O (Soc. 28, 315). — III, 899.  
 $C_{23}H_{28}O_5N_2S$  1) Piperidid d. Diphenylketon-3, 3' oder 3, 4'-Disulfonsäure. Sm. 168° (Soc. 73, 406).  
 $C_{23}H_{28}O_6NCl$  1) Chlormethylat d. Methylhydrastein. 2 + PtCl<sub>4</sub>. — II, 2052.

- $C_{23}H_{36}O_7N_2J$  1) Jodmethylat d. Methylhydrastein. — II, 2052.  
 $C_{23}H_{36}O_5N_2J$  1) Jodmethyl-Methylstrychninsäure +  $H_2O$  (A. 264, 58). — III, 942.  
 2) Jodmethyl-Methylisostrychninsäure +  $H_2O$ . Sm. 270—275° u. Zers. (A. 264, 76). — III, 943.  
 3) Jodmethylat d. Gelseminin +  $2H_2O$ . Sm. 286° u. Zers. (B. 26, 1058; C. 1896 [1] 111).  
 $C_{23}H_{36}O_4N_2Cl$  1) Chlormethylat d. Conchairamin +  $2H_2O$ . (2 +  $HCl$ ,  $PtCl_4$  +  $14H_2O$ ) (A. 225, 251). — III, 903.  
 $C_{23}H_{36}O_4N_2J$  1) Jodmethylat d. Conchairamin +  $(1/3)H_2O$  (A. 225, 250). — III, 930.  
 $C_{23}H_{36}O_6N_2P$  1) Verbindung (aus 2,4-Diamido-1-Methylbenzol u. Phosphortrianihydrobrenztraubensäure). Sm. 178° u. Zers. (B. 21, 2924). — IV, 604.  
 $C_{23}H_{36}O_5NJ$  1) Jodmethylat d. Methylthebeninpropyläther. Sm. 202° (B. 32, 187).  
 $C_{23}H_{36}O_5NCl$  1) Chlormethylat d. i-Corydalin. 2 +  $PtCl_4$ , +  $AuCl_3$  (C. 1898 [2] 115).  
 $C_{23}H_{36}O_4NJ$  1) Jodmethylat d. d-Corydalin (A. 277, 8). — III, 876.  
 2) Jodmethylat d. i-Corydalin. Sm. 185° (C. 1898 [2] 115).  
 3) Jodäthylat d. Butyrylmorphin (Soc. 28, 322). — III, 899.  
 $C_{23}H_{36}O_4N_2S_2$  1) Piperid d. Diphenylmethan-4,4'-Disulfonsäure. Sm. 171—172° (Soc. 73, 409)  
 $C_{23}H_{36}O_5NJ$  1) Jodmethylat d. Trimethylcolchidimethinsäuremethylester. Zers. bei 237° (M. 9, 876). — III, 874.  
 $C_{23}H_{36}N_2J_2S$  1) Jodmethylat d. Di[4-Dimethylamidophenyl]thiöenylmethan. Sm. 210—212° (B. 20, 515). — III, 749.  
 $C_{23}H_{36}ON_2Br$  1) Bromisobutylat d. Cinchonin +  $H_2O$ . Sm. 176° (wasserfrei) (Bl. [3] 11, 987). — III, 834.  
 $C_{23}H_{36}ON_2J$  1) Jodäthylat d. Aethylcinchonin. Sm. 242° u. Zers. (B. 13, 2288). — III, 834.  
 2) Jodäthylat d. Dimethylcinchonin. Sm. 138° (A. 277, 286). — III, 833.  
 $C_{23}H_{36}O_4N_2J$  1) Jodäthylat d. Chiteninäthyläther. Sm. 210° (M. 14, 601). — III, 820.  
 $C_{23}H_{36}ON_2Cl_2$  1) Di[Chloräthylat] d. Cinchonin +  $2H_2O$ . Sm. 205° u. Zers. (wasserfrei). 2 +  $PtCl_4$  +  $H_2O$  (A. 269, 266). — III, 833.  
 $C_{23}H_{36}ON_2Br_2$  1) Di[Bromäthylat] d. Cinchonin +  $2H_2O$ . Sm. bei 260° u. Zers. +  $2Hg(CN)_2$  (J. pr. [2] 8, 297; A. 269, 269). — III, 833.  
 2) Di[Bromäthylat] d. Cinchonibin. Sm. 215° (J. 1888, 2288). — III, 848.  
 $C_{23}H_{36}ON_2J_2$  1) Di[Jodäthylat] d. Cinchonin +  $H_2O$ . Sm. 264° u. Zers. (B. 13, 2288). — III, 833.  
 2) Di[Jodäthylat] d. Cinchonibin. Sm. 251° (J. 1888, 2288). — III, 848.  
 3) Di[Jodäthylat] d. Cinchonidin. Sm. 255° u. Zers. (B. 11, 1824; J. 1882, 1109; A. 269, 259). — III, 852.  
 4) Di[Jodäthylat] d. Cinchonifin. Sm. 248° u. Zers. (B. 27 [2] 257).  
 $C_{23}H_{36}O_2N_2Br_2$  1) Di[Bromäthylat] d.  $\alpha$ -Oxycinchonin +  $H_2O$ . Sm. 210° (J. 1889, 2019). — III, 840.  
 $C_{23}H_{36}O_2N_2J_2$  1) Jodmethylat d. Chininjodäthylat +  $H_2O$ . Sm. 206—206° u. Zers. (B. 14, 78; J. 1882, 1109). — III, 814.  
 2) Jodäthylat d. Chininjodmethylat +  $H_2O$ . Sm. 157—160° u. Zers. (B. 14, 77). — III, 814.  
 3) Di[Jodäthylat] d.  $\alpha$ -Oxycinchonin. Sm. 240° (J. 1889, 2019). — III, 840.  
 $C_{23}H_{36}N_2ClP$  1) Phenylbenzyldi[1-Piperidyl]phosphoniumchlorid. 2 +  $PtCl_4$  (B. 31, 1045). — IV, 1682.  
 $C_{23}H_{36}O_4N_2P$  1) neutr. Chininglycerophosphat +  $10H_2O$  (C. 1898 [1] 782).  
 $C_{23}H_{36}ON_2Br_2$  1) Di[Bromäthylat] d. Hydrocinchonin (J. pr. [2] 8, 306). — III, 836.  
 $C_{23}H_{36}O_2N_2J_2$  1) Di[Jodäthylat] d. Nichin +  $2H_2O$ . Sm. 137° u. Zers. (M. 14, 431). — III, 820.  
 $C_{23}H_{36}ON_2S$  1)  $\alpha$ -Palmitylphenylthioharnstoff. Sm. 62—63° (Soc. 69, 1595).  
 $C_{23}H_{40}O_2N_2J_2$  1) Di[Jodmethylat] d. Lupinin (C. 1897 [2] 361).

### $C_{23}$ -Gruppe mit fünf Elementen.

- $C_{23}H_{36}O_2N_2ClBr$  1) Strychninbromäthylumchlorid. 2 +  $PtCl_4$ , +  $AuCl_3$  (J. 1861, 543). — III, 938.

**C<sub>34</sub>-Gruppe mit einem Element.**

- C<sub>34</sub>H<sub>8</sub>**      C 97,3 — H 2,7 — M. G. 296.  
 1) **Carbopetrocen.** Sm. 268°. **Pikrat** (*A. ch.* [5] 17, 28). — **II, 305.**  
**C<sub>34</sub>H<sub>14</sub>**      C 95,4 — H 4,6 — M. G. 302.  
 1) **Di[1-Naphthyl]äthin.** Sm. 171°. **Pikrat** (Sm. 180°) (*Bl.* [3] 7, 644). — **II, 302.**  
**C<sub>34</sub>H<sub>16</sub>**      C 94,1 — H 5,9 — M. G. 306.  
 1) **1,2,3-Triphenylbenzol.** Sm. 157° (*B.* 28, 69; *A.* 281, 72).  
 2) **1,3,5-Triphenylbenzol.** Sm. 169—170° (*B.* 7, 1123; 14, 2516; 23, 2534; 27 [2] 338, 339; *Bl.* 50, 637; *G.* 22 [2] 77; *J.* 1877, 393; *A.* 209, 3). — **II, 300.**  
 3) **4,4'-Diphenylbiphenyl (Benzerythren).** Sm. 317° (307—308°); Sd. 428°, (*A.* 203, 134; *Am.* 17, 620). — **II, 300.**  
 4) **Dibiphenyl?** Sm. 187° (*M.* 3, 815).  
**C<sub>34</sub>H<sub>30</sub>**      C 90,6 — H 9,4 — M. G. 318.  
 1) **Dodekahydro-1,3,5-Triphenylbenzol** (*B.* 23, 2534). — **II, 278.**  
**C<sub>34</sub>H<sub>32</sub>**      C 90,0 — H 10,0 — M. G. 320.  
 1) **Kohlenwasserstoff** (aus Cholsäure). Sd. 215—325° (*Bl.* 33, 317). — **II, 255.**  
**C<sub>34</sub>H<sub>34</sub>**      C 88,3 — H 11,7 — M. G. 326.  
 1) **Eikosahydro-1,3,5-Triphenylbenzol.** Fl. (*B.* 23, 2534). — **II, 176.**  
**C<sub>34</sub>H<sub>42</sub>**      C 87,3 — H 12,7 — M. G. 330.  
 1) **Oktadekylbenzol.** Sm. 36°; Sd. 249°<sub>15</sub> (147°<sub>15</sub>) (*B.* 19, 2984; 29, 1326). — **II, 40.**  
 2) **4-Hexadekyl-1,3-Dimethylbenzol.** Sm. 33,5°; Sd. 249,5—250°<sub>15</sub> (149°<sub>15</sub>) (*B.* 21, 3184; 29, 1326). — **II, 40.**  
 3) **norm. Hexapropylbenzol.** Sm. 118° (*B.* 26 [2] 693).  
**C<sub>34</sub>H<sub>48</sub>**      C 85,7 — H 14,3 — M. G. 336.  
 1) **Tricaprylen.** Fl. (*J. r.* 26, 255).  
**C<sub>34</sub>H<sub>50</sub>**      C 85,2 — H 14,8 — M. G. 338.  
 1) **norm. Tetrakosan.** Sm. 51,1°; Sd. 243°<sub>15</sub> (*R.* 15, 1718; 16, 391). — **I, 107.**  
 1) **Perchlor-1,3,5-Triphenylbenzol** (*B.* 16, 2883). — **II, 300.**  
 1) **Kupferacetilid + H<sub>2</sub>O** (*B.* 30, 814).

**C<sub>34</sub>-Gruppe mit zwei Elementen.**

- C<sub>34</sub>H<sub>10</sub>O<sub>16</sub>**      C 62,9 — H 2,2 — O 34,9 — M. G. 458.  
 1) **Humussäure** (*J.* 1876, 878). — **I, 1108.**  
**C<sub>34</sub>H<sub>12</sub>O<sub>2</sub>**      C 86,7 — H 3,6 — O 9,6 — M. G. 332.  
 1) **Biacenaphthyliedion.** Sm. 295° (*A.* 276, 17; 290, 201). — **III, 311.**  
**C<sub>34</sub>H<sub>12</sub>N<sub>8</sub>**      C 75,0 — H 3,1 — N 21,9 — M. G. 384.  
 1) **Benzotriphenazin** (*B.* 21, 1228). — **IV, 1332.**  
**C<sub>34</sub>H<sub>14</sub>O**      C 90,6 — H 4,4 — O 5,0 — M. G. 318.  
 1) **Biacenaphthylienenon.** Sm. 262° (*A.* 290, 202). — **III, 266.**  
**C<sub>34</sub>H<sub>14</sub>O<sub>5</sub>**      C 75,4 — H 3,7 — O 20,9 — M. G. 382.  
 1) **Naphthalfluorescein.** Sm. 308° (*A.* 227, 136). — **II, 2039.**  
**C<sub>34</sub>H<sub>14</sub>O<sub>6</sub>**      C 72,4 — H 3,5 — O 24,1 — M. G. 398.  
 1) **Dibenzoat d. Oxyjuglon.** Sm. 169—170° (*B.* 18, 472). — **III, 387.**  
**C<sub>34</sub>H<sub>14</sub>O<sub>7</sub>**      C 69,6 — H 3,4 — O 27,0 — M. G. 414.  
 1) **Pyrogallolanhydrid** (*A.* 202, 280). — **II, 1012.**  
**C<sub>34</sub>H<sub>14</sub>O<sub>12</sub>**      C 44,0 — H 2,1 — O 53,8 — M. G. 654.  
 1) **Carminäsäure.** Anilinsalz, Chinolinsalz (*B.* 30, 1759).  
**C<sub>34</sub>H<sub>14</sub>N<sub>7</sub>**      C 87,3 — H 4,2 — N 8,5 — M. G. 330.  
 1) **Phenanthrennaphtochinoxalin (Naphtophenanthrazin).** Sm. 273° (*B.* 18, 2426). — **IV, 1094.**  
**C<sub>34</sub>H<sub>15</sub>N<sub>5</sub>**      C 83,5 — H 4,3 — N 12,2 — M. G. 345.  
 1) **β-Aramidonaphphenanthrasin** (*B.* 23, 2546). — **IV, 1219.**

- C<sub>24</sub>H<sub>16</sub>O<sub>2</sub>** C 85,7 — H 4,7 — O 9,5 — M. G. 336.  
 1) **Acetat d. Alkohol C<sub>24</sub>H<sub>14</sub>O** (aus 2-Oxynaphthalin). Zers. bei 280° (A. ch. [5] 28, 189). — II, 1095.
- C<sub>24</sub>H<sub>16</sub>O<sub>2</sub>** C 81,8 — H 4,5 — O 13,6 — M. G. 352.  
 1) **Lakton d.  $\alpha$ -Phenoxy- $\alpha$ -Phenyl- $\alpha$ -[2-Oxy-1-Naphthyl]essigsäure.** Sm. 160° (B. 31, 2825).
- C<sub>24</sub>H<sub>16</sub>O<sub>4</sub>** C 78,3 — H 4,3 — O 17,4 — M. G. 368.  
 1) **Dibenzost d. 2,7-Dioxynaphthalin.** Sm. 138—139° (B. 14, 2209). — II, 1151.  
 2)  **$\alpha\gamma$ -Lakton d.  $\gamma$ -Oxy- $\gamma\gamma$ -Di[2-Oxynaphthyl]propen- $\alpha$ -Carbonsäure ( $\alpha$ -Naphtholmaleinfluoresceinsäureanhydrid). Sm. 118—120° (B. 18, 2867). — II, 1939.  
 3)  **$\alpha\beta$ -Lakton d.  $\alpha\alpha$ -Di[ $\beta$ -Oxyphenyl]- $\alpha$ -Naphthylmethan-8-Carbonsäure (Phenolnaphthalin). Sm. 120° (u. überh. 200°) (B. 28, 992). — II, 1989.**  
 4) **Aethylester d. Phthalaconcarbonsäure.** Sm. 209—211° (B. 17, 1389). — II, 1915.  
 5) **Diphenylester d. Naphthalin-1,5-Dicarbonsäure.** Sm. 198—199° (G. 26 [1] 99).**
- C<sub>24</sub>H<sub>16</sub>O<sub>2</sub>** C 69,2 — H 3,8 — O 26,9 — M. G. 416.  
 1) **Diacetat d. Fluorescein.** Sm. 200° (A. 183, 13). — II, 2062.  
 2) **Diacetat d. Hydrononaphthalin.** Sm. 210° (B. 6, 508; 11, 715). — II, 2066.
- C<sub>24</sub>H<sub>16</sub>O<sub>6</sub>** C 66,7 — H 3,7 — O 29,6 — M. G. 432.  
 1) **Diacetat d. Resorcinoxaleinanhydrid** (B. 14, 2567). — II, 937.
- C<sub>24</sub>H<sub>16</sub>N<sub>2</sub>** C 86,7 — H 4,8 — N 8,4 — M. G. 332.  
 1) **2,3-Diphenyl-1,4-Naphthosiazin.** Sm. 147° (B. 18, 2426). — IV, 1091.  
 2) **2,8-Diphenylphenanthrolin.** Fl. (2HCl, PtCl<sub>4</sub>) (A. 281, 19). — IV, 1092.
- C<sub>24</sub>H<sub>16</sub>N<sub>4</sub>** C 80,0 — H 4,4 — N 15,6 — M. G. 360.  
 1) **Phenylfluorindin.** HCl (B. 29, 367, 1248, 1250, 1608). — IV, 1300.
- C<sub>24</sub>H<sub>17</sub>N** C 90,3 — H 5,3 — N 4,4 — M. G. 319.  
 1) **2,3-Diphenyl- $\alpha$ -Naphthindol.** Sm. 140—141°; Sd. 315—330°. + Aceton (Soc. 65, 896). — IV, 477.  
 2) **2,3-Diphenyl- $\beta$ -Naphthindol.** Sm. 166—167°; Sd. 330—340°. + Aceton, Pikrat (Soc. 65, 897). — IV, 477.
- C<sub>24</sub>H<sub>17</sub>N<sub>3</sub>** C 83,0 — H 4,9 — N 12,1 — M. G. 347.  
 1) **3,5-Diphenyl-1-[2-Naphthyl]-1,2,4-Triazol.** Sm. 144° (J. pr. [2] 54, 165). — IV, 1187.  
 2) **2-Methyl-4,6-Di[2-Naphthyl]-1,3,5-Triazin.** Sm. 195° (B. 25, 1437, 1626). — IV, 1218.  
 3) **Phenylaposafranin.** Sm. 201°. (2HCl, PtCl<sub>4</sub>) (B. 30, 1831, 2625). — IV, 1177.
- C<sub>24</sub>H<sub>17</sub>N<sub>5</sub>** C 76,8 — H 4,5 — N 18,7 — M. G. 375.  
 1) **P-Di[2-Naphthyl]pyrrol.** Sm. 228° (B. 19, 2255). — IV, 1483.
- C<sub>24</sub>H<sub>17</sub>Br** 2-Brom-1,3,5-Triphenylbenzol. Sm. 104° (B. 7, 1125). — II, 300.
- C<sub>24</sub>H<sub>18</sub>O** C 89,4 — H 5,6 — O 5,0 — M. G. 322.  
 1) **P-Oxy-1,2,3-Triphenylbenzol.** Sm. 226° (B. 26, 68). — II, 905.  
 2) **1,1[oder 2,2]-Diphenyl-1,2-Dihydro- $\beta$ -Naphtofuran.** Sm. 141—142° (A. 279, 333). — III, 734.  
 C 85,2 — H 5,3 — O 9,5 — M. G. 338.
- C<sub>24</sub>H<sub>16</sub>O<sub>2</sub>** 1) **6-Methyl-2-Phenyl-4-Benzylmethylen-1,4-Cumaran** (Methylphenacylideneflavan). Sm. 156—157° (B. 31, 712).  
 2) **Lakton d.  $\gamma$ -Oxy- $\delta$ -(3-Methylphenyl)- $\beta$ -Diphenyl- $\alpha\gamma$ -Butadien- $\alpha$ -Carbonsäure (m-Xylaldiphenylmaleid). Sm. 134° (B. 26, 2481). — II, 1729.  
 3) **Lakton d.  $\gamma$ -Oxy- $\delta$ -(4-Methylphenyl)- $\alpha\beta$ -Diphenyl- $\alpha\gamma$ -Butadien- $\alpha$ -Carbonsäure.** Sm. 165° (B. 24, 3854). — II, 1729.**
- C<sub>24</sub>H<sub>18</sub>O<sub>4</sub>** C 81,4 — H 5,1 — O 13,5 — M. G. 354.  
 1) **Acetat d. 4-Oxy-2,3,5-Triphenylfuran.** Sm. 135° (B. 31, 1248).  
 C 77,8 — H 4,8 — O 17,3 — M. G. 370.  
 1)  **$\alpha\beta$ -Triphenyl- $\alpha\gamma$ -Butadien- $\beta$ -Dicarbonsäure** ( $\alpha$ -Benzyliden- $\gamma$ -Diphenylitakonsäure). Zers. bei 207°. Ca + 3H<sub>2</sub>O (B. 30, 95).

- $C_{24}H_{14}O_4$
- 2) Lakton d.  $\beta$ -Oxy- $\alpha$ -Benzoyl- $\alpha$ -Diphenylpropan- $\alpha$ -Ketocarbonsäure. Sm. 137° (B. 31, 2222).
  - 3) 1,2-Phenylenester d.  $\beta$ -Phenylakrylsäure. Sm. 129° (B. 25, 3533). — II, 1406.
  - 4) Diacetat d. 2,2'-Dioxy-1,1'-Binaphthyl. Sm. 109° (Bl. [3] 19, 612).
  - 5) Benzoesäure d.  $\beta$ -Oxy- $\alpha$ -Dibenzoylpropen. Sm. 87—88° (A. 277, 197; 291, 100). — III, 319.
- $C_{24}H_{15}O_5$
- C 74,6 — H 4,7 — O 20,7 — M. G. 386.
  - 1) 4-[1-Naphtyl]äther d. 4-Oxy-1,2-Diacetoxylnaphthalin. Sm. 220° u. Zers. (B. 30, 2567).
  - 2) 2-1-Naphtyl äther d. 2-Oxy-1,4-Diacetoxylnaphthalin. Sm. noch nicht bei 300° (B. 30, 2566).
  - 3) Acetylfluorescein.  $H_2SO_4$  (J. pr. [2] 23, 54, 544). — III, 137.
  - 4) Acetyl derivat d.  $\alpha$ -Orcinphthalin. Sm. 219° (B. 29, 2634; A. 183, 73). — II, 1913.
  - 5) Verbindung (aus Coralliphthalin) (B. 11, 1429). — II, 1121.
  - 6) Verbindung (aus 1,3-Dioxybenzol). Sm. 261° (B. 10, 1469; Bl. [3] 13, 900). — II, 917.
- $C_{24}H_{16}O_6$
- C 71,6 — H 4,5 — O 23,9 — M. G. 402.
  - 1) 3,4-3',4'-Dimethylenäther d.  $\alpha$ -Diketo- $\delta$ -Phenyl- $\alpha$ -[3,4-Dioxyphenyl]butan (Phenacylidesoxypiperonin). Sm. 156° (A. 289, 324; B. 26, 63). — III, 308.
  - 2) Monacetat d.  $\alpha$ -Orcinphthalin? (A. 183, 67; B. 29, 2632, 2636). — II, 2066.
  - 3) Diacetat d. Phenolphthalein. Sm. 143° (A. 202, 74). — II, 1983.
  - 4) Diacetat d. Phenolphthalidein. Sm. 109° (A. 202, 105). — III, 261.
  - 5) Diacetat d.  $\beta$ -Dibenzoyl-1,3-Dioxybenzol. Sm. 150° (A. 210, 260). — III, 305.
  - 6)  $\alpha$ ,2'-Lakton d.  $\alpha$ -Oxy- $\alpha$ -[2,4-Diacetoxyphenyl]- $\alpha$ -Diphenylmethan-2'Carbonsäure (Benzolresorcincphthalindiacetat). Sm. 137° (B. 14, 1861) — II, 1986.
  - 7) Athylester d. chinoiden Fluoresceinacetat. Sm. 189—190° (M. 17, 434).
- $C_{24}H_{17}O_7$
- C 68,9 — H 4,3 — O 26,8 — M. G. 418.
  - 1) Diacetat d. Fluorescin. Sm. 200—202 (M. 13, 423). — II, 2038.
  - 2) Diacetat d. Hydrochinonphthalin. Sm. 190—191° (B. 11, 716). — II, 2038.
- $C_{24}H_{18}O_8$
- C 66,4 — H 4,1 — O 29,5 — M. G. 434.
  - 1) Dimethylester d. Disalicylsäurephthalid. Sm. 171° (A. 303, 285).
- $C_{24}H_{19}O_9$
- C 64,0 — H 4,0 — O 32,0 — M. G. 450.
  - 1) Oxyethylfurolphloroglucid (C. 1896 [2] 485).
- $C_{24}H_{20}O_{11}$
- C 59,8 — H 3,7 — O 36,5 — M. G. 482.
  - 1) Anhydrid d. Caprarsäure (B. 30, 1987; J. pr. [2] 57, 425).
  - 2) Verbindung + 4H<sub>2</sub>O (aus Rufigallussäure). Zers. bei 230° (A. 141, 346; M. I, 434). — III, 439.
- $C_{24}H_{21}O_{12}$
- C 57,8 — H 3,6 — O 38,6 — M. G. 498.
  - 1) Pentaacetat d. 1,2,3,5,7-Dioxyanthragallol. Sm. 229° (A. 240, 275). — III, 438.
  - 2) Pentaacetat d. 1,2,5,8,9-Pentaoxy-9,10-Anthrachinon (J. pr. [2] 43, 250). — III, 438.
- $C_{24}H_{21}N_2$
- C 86,2 — H 5,4 — N 8,4 — M. G. 334.
  - 1) 4,4'-Diphenylazobenzol. Sm. 249—250° (B. 13, 1962). — IV, 1402.
  - 2) 2-Phenyl-N-Benzyl- $\alpha$  oder  $\beta$ -Naphthimidazol ( $\alpha$  $\beta$ -Naphthobenzimidazolin). Sm. 117° (B. 29, 1502). — IV, 1062.
  - 3) 2-Phenyl-3-[4-Methylphenyl]- $\alpha$ -Naphthimidazol. Sm. 155° (B. 25, 2833). — IV, 1061.
  - 4) 2,4-Diphenyl-3,4-Dihydro-1,4-Naphthimidazin. Sm. 164—165° (B. 24, 2680). — IV, 1064.
  - 5) 2,3-Diphenyl-1,2 oder 3,4-Dihydro-1,4-Naphthimidazin. Sm. 172° (B. 26, 192). — IV, 1090.
- $C_{24}H_{21}N_4$
- C 79,5 — H 5,0 — N 15,5 — M. G. 362.
  - 1) 7,8-Di[Phenylhydrazon]acenaphthen. Sm. 219° (A. 276, 11). — III, 404.
  - 2) 4,4'-Di[Phenylazo]biphenyl. Sm. 229° (B. 29, 103).
  - 3) Phenylsafranin. HCl,  $H_2CO_3$  +  $H_2O$  (B. 21, 2620). — IV, 1305.

- C<sub>24</sub>H<sub>18</sub>N<sub>4</sub>** 4) **Phenylamidoaposafranin.** Sm. 203—204°(189—190%). HCl, (HCl, AuCl<sub>3</sub>), HBr, HJ, HNO<sub>3</sub> (B. 23, 838; 26, 381; 28, 350, 1713; 29, 364, 1604; A. 262, 254; 272, 312; 286, 189; 290, 272; J. pr. [2] 46, 568). — IV, 1279.  
 5) **Amidodiphenylindulin.** Sm. 150° (A. 262, 256; 266, 255; 286, 195).  
 6) **Phenylamidoindulin.** Sm. 246°. HNO<sub>3</sub> (A. 272, 315). — IV, 1284.  
 7) **Pseudomauveïn.** HCl, (2HCl, PtCl<sub>4</sub>) (Soc. 35, 725). — IV, 1305.  
 8) **Base** (aus Phenazin u. Dihydrophenazin). 2HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> (A. 168, 13; 292, 260). — IV, 1000.
- C<sub>24</sub>H<sub>18</sub>N<sub>6</sub>** C 73,9 — H 4,6 — N 21,5 — M. G. 390.
- C<sub>24</sub>H<sub>18</sub>S** 1) 4,4'-Di[Phenylazo]azobenzol. Sm. 166—167° (B. 31, 996). — IV, 1372.
- C<sub>24</sub>H<sub>18</sub>S<sub>2</sub>** 1) Biphenylsulfid. Sm. 171—172° (B. 13, 387). — II, 895.
- C<sub>24</sub>H<sub>18</sub>Hg** 1) Biphenyldisulfid. Sm. 148—150° (B. 13, 387). — II, 895.
- C<sub>24</sub>H<sub>19</sub>N<sub>3</sub>** 1) Quecksilberdi-3-Biphenyl. Sm. 216° (B. 28, 592). — IV, 1713.  
 C 82,5 — H 5,4 — N 12,0 — M. G. 349.  
 1) Aethylrosindulin. Sm. 184° (A. 268, 237; B. 30, 1830). — IV, 1206.  
 2) Verbindung (aus 3-Nitrobenzolazolosalicylsäure). Sm. 197° (A. 251, 193). — IV, 1469.  

**C<sub>24</sub>H<sub>19</sub>N<sub>5</sub>** C 76,4 — H 5,0 — N 18,6 — M. G. 377.

**C<sub>24</sub>H<sub>20</sub>O** 1) 4-Aramidophenylamidoaposafranin. Sm. 227° u. Zers. HCl (B. 29, 366). — IV, 1280.

**C<sub>24</sub>H<sub>20</sub>O<sub>2</sub>** C 88,9 — H 6,2 — O 4,9 — M. G. 324.  
 1) 4-Keto-1,2,6-Triphenyl-1,2,3,4-Tetrahydrobenzol. Sm. 138° (A. 281, 68). — III, 263.  
 2) isom. 4-Keto-1,2,6-Triphenyl-1,2,3,4-Tetrahydrobenzol. Sm. 186° (A. 281, 70, 90). — III, 263.  
 C 84,7 — H 5,9 — O 9,4 — M. G. 340.  
 1) 1-Oxy-4-Keto-1,2,6-Triphenyl-1,2,3,4-Tetrahydrobenzol. Sm. 248° (B. 26, 66; Soc. 57, 783). — III, 263.  
 2) Dibenzoat d. 2,3-Dioxy-1,2,3,4-Tetrahydronaphthalin. Sm. 89—90° (B. 26, 1834).  
 3) Verbindung (aus  $\alpha$ -Oxy- $\beta$ -Phenylpropionsäure). Sm. 102° (B. 13, 304). — III, 52.

**C<sub>24</sub>H<sub>20</sub>O<sub>3</sub>** C 80,9 — H 5,6 — O 13,5 — M. G. 356.  
 1)  $\alpha\beta\gamma$ -Tribenzoylethanol. Sm. 137° (B. 24, 601). — III, 322.  
 2) Acetat d. 10-Oxy-9-Keto-3-Methyl-10-[4-Methylphenyl]-9,10-Dihydroanthracen. Sm. 87° (A. 298, 291).  
 3) Lakton d.  $\gamma$ -Oxy- $\alpha\beta\delta$ -Triphenylbutan- $\beta$ -Ketocarbonsäure. Sm. 67° (B. 31, 2222).  
 4) Verbindung (aus Phenylessigsäurepropylester). Sm. 170° (Soc. 37, 483). — II, 1310.  

**C<sub>24</sub>H<sub>20</sub>O<sub>4</sub>** C 77,4 — H 5,4 — O 17,2 — M. G. 372.  
 1) Rosol + H<sub>2</sub>O (M. 16, 386).  
 2) Diacetat d.  $\beta$ -Oxy- $\alpha\beta$ -Diphenyl- $\alpha$ -[4-Oxyphenyl]- $\beta$ -Oxyethen. Sm. 186—187° (Soc. 57, 965). — III, 258.  
 3) Dibenzoat d. 2,3-Dioxy-1,2,3,4-Tetrahydronaphthalin (A. 288, 98).  
 4) Aethylester d. Hydrophthalaconcarbonsäure. Sm. 211—213° (B. 17, 1393). — II, 1914.  

**C<sub>24</sub>H<sub>20</sub>O<sub>5</sub>** C 74,2 — H 5,1 — O 20,6 — M. G. 388.  
 1) Diäthyläther d. Fluorescein. Sm. 181—182° (B. 27, 2792; 28, 50). — II, 2061.  
 2) Aethylester d. Aethylätherfluorescein. Sm. 159° (A. 183, 17; B. 28, 47). — II, 2061.  
 3) Diacetat d. Methylaurin (A. 202, 209). — II, 1121.  

**C<sub>24</sub>H<sub>20</sub>O<sub>6</sub>** C 71,3 — H 4,9 — O 23,8 — M. G. 404.  
 1) Formonetin (J. 1855, 716). — III, 599.  
 2) Acetat d. Orcinaurin (J. pr. [2] 25, 279). — II, 1125.  
 3) Diacetat d. Resorcinphenylacetin. Sm. 150° u. Zers. (J. pr. [2] 48, 399). — II, 1123.  
 4) Dibenzoat d. 3,6-Dioxy-5-Isopropyl-2-Methyl-1,4-Benzochinon. Sm. 163° (B. 14, 95). — III, 369.  
 5) Tribenzoat d.  $\alpha\beta\gamma$ -Trioxypipericidin. Sm. 76—76,5° (BERTHELOT, Chim. org. synth. 2, 108; R. 1, 46, 143; J. pr. [2] 36, 353; B. 24, 779; 28, 1170; M. 10, 393; A. 301, 101). — II, 1142.

- $C_{24}H_{20}O_6$       6)  $\beta$ -Diacetoxyltriphenylmethan-2-Carbonsäure. Sm. 146° (A. 202, 83). — II, 1911.
- 7) Methylester d. isom.  $\alpha\beta$ -Dibenzoxyl- $\beta$ -Phenylpropionsäure. Sm. 113,5° (B. 12, 538). — II, 1761.
- $C_{24}H_{20}O_7$       C 68,6 — H 4,7 — O 26,7 — M. G. 420.
- 1) Triphenylester d. Citronensäure. Sm. 124,5° (J. pr. [2] 31, 470). — II, 667.
- 2)  $\beta\gamma$ -Dibenzoat d.  $\beta\gamma$ -Dioxypropylester d. 2-Oxybenzol-1-Carbon-säure. Fl. (B. 24, 779). — II, 1492.
- $C_{24}H_{20}O_8$       C 66,1 — H 4,8 — O 29,3 — M. G. 436.
- 1)  $\beta\gamma$ -Di[2-Oxybenzoat] d.  $\beta\gamma$ -Dioxypropylester d. Benzolcarbonsäure. Sm. 95° (B. 24, 779). — II, 1492.
- $C_{24}H_{20}O_9$       C 63,7 — H 4,4 — O 31,9 — M. G. 452.
- 1) 4-[2,3-Diacetoxylphenyl]äther d. 4-Oxy-1,2-Diacetoxynaphthalin. Sm. 184—188° (B. 30, 2567).
- 2) 2-[2,3-Diacetoxylphenyl]äther d. 2-Oxy-1,4-Diacetoxynaphthalin. Sm. 165—170° (B. 30, 2568).
- 3) Tri[2-Oxybenzoat] d.  $\alpha\beta\gamma$ -Trioxypropan. Sm. 79° (B. 24, 780). — II, 1493.
- $C_{24}H_{20}O_{10}$       C 61,5 — H 4,3 — O 34,2 — M. G. 468.
- 1) Tetracetat d. 2,4,6,8-Tetraoxy-1,5-Dimethyl-9,10-Anthrachinon. Sm. 234° (A. 240, 281). — III, 456.
- $C_{24}H_{20}O_{11}$       2) Pentacetat d. Tetraoxanthranol. Sm. 203° (B. 21, 1172). — III, 245. C 59,5 — H 4 — O 36,4 — M. G. 484.
- 1) Tetracetat d. Isorhamnetin. Sm. 195—196° (Soc. 73, 270).
- $C_{24}H_{20}O_{12}$       C 57,6 — H 4,0 — O 38,4 — M. G. 500.
- 1) Caprarsäure. Zers. bei 240—260°. Ba (B. 30, 1987; J. pr. [2] 57, 423). C 54,1 — H 3,7 — O 42,1 — M. G. 532.
- 1) Pentacetyl- $\alpha$ -Digallusäure. Sm. 137° (A. 170, 66). — II, 1925.
- 2) Pentacetyl- $\beta$ -Digallusäure (B. 17, 1478). — II, 1925.
- 3) Pentacytlyltannin (A. 170, 73; B. 17, 1504; G. 27 [1] 91). — II, 1926.
- $C_{24}H_{20}O_{13}$       C 52,6 — H 3,6 — O 43,8 — M. G. 548.
- 1) Pentacytlylgengerbsäure. — II, 2085.
- $C_{24}H_{20}N_2$       C 85,7 — H 5,0 — N 8,3 — M. G. 336.
- 1) 1,2[P]-Di[ $\alpha$ -Cyan- $\beta$ -Phenyläthyl]benzol. Fl. (B. 21, 1318). — II, 1914.
- 2) 2-Benzylidenamido-1-[1-Naphtylamido]methylbenzol. Sm. 107° (J. pr. [2] 52, 408). — IV, 628.
- 3) 2-Benzylidenamido-1-[2-Naphtylamido]methylbenzol. Sm. 122° (J. pr. [2] 52, 412). — IV, 629.
- 4)  $\alpha$ -Phenylimido- $\alpha$ -[Methyl-2-Naphyl]amido- $\alpha$ -Phenylmethan. Sm. 110°. HJ (B. 30, 1784). — IV, 845.
- 5)  $\alpha$ -[2-Naphyl]imido- $\alpha$ -Methylphenylamido- $\alpha$ -Phenylmethan. Sm. 84°. HJ (B. 30, 1784). — IV, 845.
- 6)  $\beta$ -Phenylimido- $\beta$ -Phenylamido- $\alpha$ -[1-Naphyl]äthan. Sm. 130,5° (B. 16, 642). — IV, 971.
- 7) Tetraphenylhydrazin. Sm. 147° u. Zers. (Soc. 67, 1091). — IV, 660.
- 8) s-Di[4-Biphenyl]hydrasin. Sm. 247° (B. 13, 1961). — IV, 1504.
- 9) Phenanthroisobutylphenazin (aus 2,3-Diamido-1-Isobutylbenzol). Sm. 144° (B. 21, 2951). — IV, 646.
- 10) Phenanthroisobutylphenazin (aus 3,4-Diamido-1-Isobutylbenzol). Sm. 146,5°. 2HCl (B. 20, 3256). — IV, 646.
- 11) Retenchinnoxalin (Resazin). Sm. 164° (A. 229, 123). — IV, 1089.
- $C_{24}H_{20}N_4$       C 79,1 — H 5,5 — N 15,4 — M. G. 364.
- 1) Tetraphenyltetrason. Sm. 123° u. Zers. (A. 190, 182). — IV, 1308.
- 2) Base (aus Formaldehyd u. 1,2-Diamidonaphthalin). Sm. 165°. 2HCl (B. 25, 2714). — IV, 991.
- $C_{24}H_{20}N_6$       C 73,5 — H 5,1 — N 21,4 — M. G. 392.
- 1) 4,4'-Di[Phenylamidoazo]biphenyl (J. 1864, 436). — IV, 1575.
- $C_{24}H_{20}S$       1)  $\beta$ -Triphenylmethyl-2-Methylthiophen. Sm. 181—182° (B. 20, 1403). — III, 750.
- $C_{24}H_{20}P_2$       1) Tetraphenyldiphosphin. Sm. 67°; Sd. bei 400° (B. 21, 1509). — IV, 1658.
- $C_{24}H_{20}As_2$       1) Phenylkakodyl. Sm. 135° (B. 15, 1954). — IV, 1687.
- $C_{24}H_{20}Pb$       1) Bleitetraphenyl. Sm. 224—225° (B. 20, 717, 3331). — IV, 1715.

- C<sub>14</sub>H<sub>10</sub>Si**
- Siliciumtetraphenyl. Sm. 233°; Sd. oberh. 530° (B. 18, 1541; 19, 1013). — IV, 1702.
- C<sub>14</sub>H<sub>10</sub>Sn**
- Zinntetraphenyl. Sm. 225—226°; Sd. oberh. 420° (B. 22, 2917). — IV, 1715.
- C<sub>24</sub>H<sub>21</sub>N**
- 2,5-Diphenyl-1-[2,4-Dimethylphenyl]pyrrol. Sm. 147—149° (B. 22, 3091). — IV, 438.
- C<sub>24</sub>H<sub>21</sub>N<sub>3</sub>**
- 1,2,4-Tri[Phenylamido]benzol. Sm. 252° (M. 11, 23). — IV, 1122.
  - 1,3,5-Tri[Phenylamido]benzol. Sm. 193°. HCl, (2HCl, PtCl<sub>4</sub>) (G. 20, 337). — IV, 1125.
  - Phenyl-P-Methylphenyl-1-Naphtylguanidin. Sm. 60° (B. 3, 7). — II, 604.
  - Kyanbenzin. Sm. 170—171° (Soc. 37, 567). — II, 1314.
  - 4-Benzylazol-1-Benzylamidonaphthalin. HCl (B. 30, 877). — IV, 1401.
  - 6-Amido-5-Phenyl-2,4-Dibenzyl-1,3-Diazin (Kyanbenzilin). Sm. 106°. (2HCl, PtCl<sub>4</sub>) (J. pr. [2] 39, 256; [2] 53, 246). — IV, 1217.
  - Asinverbindung (aus Phenauanthrenchinon u. 3,4,5-Triamido-1-Pseudobutylbenzol). Sm. 219—220° (J. pr. [2] 48, 102). — IV, 1134.
- C<sub>24</sub>H<sub>21</sub>N<sub>5</sub>**
- Azobenzolazo-β-Aethylnaphthylamin. Sm. 141—142° (B. 17, 2670). — IV, 1401.
  - Toluoldisassotoluol-β-Naphthylamin. Sm. 201—203° (B. 20, 1180). — IV, 1402.
  - Verbindung (aus 4-Nitroso-1,3-Di[Phenylamido]benzol). Sm. 160° (A. 286, 177). — IV, 572.
- C<sub>24</sub>H<sub>21</sub>O<sub>2</sub>**
- Diäthyläther d. α-Dioxybinaphyl. Sm. 211° (B. 17, 2453). — II, 1004.
  - Diäthyläther d. β-Dioxybinaphyl. Sm. 90° (B. 17, 2455). — II, 1005.
  - 3,6-Dibenzoyl-1,2,4,5-Tetramethylbenzol. Sm. 269—270°; Sd. oberh. 380° (A. ch. [6] 1, 512). — III, 308.
- C<sub>24</sub>H<sub>21</sub>O<sub>3</sub>**
- α,α-Diketo-γ-[β-Oxy-3-Methylphenyl]-α-Diphenylpentan. Sm. 151° (B. 31, 713 Ann.).
  - Leukorosol (M. 18, 387).
  - Benzol-1,2[β]-Di[α-Phenyläthyl-β-Carbonsäure] (ββ-Phenyl-ββ-Diphenyldipropionsäure). Sm. 235°. Ba + 7H<sub>2</sub>O, Ag<sub>2</sub> (B. 25, 2124). — II, 1914.
  - Benzol-1,2[β]-Di[β-Phenyläthyl-α-Carbonsäure]. Sm. 251° (B. 21, 1319). — II, 1914.
  - β-Keto-β-[4-Methoxyphenyl]-α-β-Diphenylbutan-α-Carbonsäure. Sm. 201° (A. 281, 62). — II, 1913.
  - α,2<sup>1</sup>-Lakton d. α,4',4<sup>1</sup>-Trioxypyrenylmethan-4',4<sup>1</sup>-Diäthyläther-2'-Carbonsäure (laktoider Diäthyläther d. Phenolphthalein). Sm. 122° (B. 28, 3258; 29, 138; 30, 175; C. 1895 [1] 599).
  - α,2<sup>1</sup>-Lakton d. α-Oxy-α-Di[β-Oxy-β-Aethylphenyl]-α-Phenylmethan-2'-Carbonsäure + H<sub>2</sub>O. Zers. bei 130° (B. 17, 671). — II, 1987.
  - Diacetat d. α,β-Dioxy-α,β-Triphenyläthan. Sm. 214° (C. 1897 [2] 662).
  - Diacetat d. 4-Hydrodesylyphenol. Sm. 156—157° (Soc. 57, 970). — II, 1112.
  - Diacetat d. P-Di[α-Oxybenzyl]benzol. Sm. 143—144° (B. 9, 311). — II, 1103.
  - Dibenzoat d. α,α-Dioxy-α-[4-Isopropylphenyl]methan (Cumylendi-benzoat). Sm. 88° (A. 109, 368). — III, 55.
- C<sub>24</sub>H<sub>21</sub>O<sub>3</sub>**
- Diäthyläther d. Fluorescin. Sm. 187° (B. 28, 51). — II, 2038.
- C<sub>24</sub>H<sub>21</sub>O<sub>6</sub>**
- Benzocat d. Toluresitanol (C. 1895 [1] 353).
- C<sub>24</sub>H<sub>21</sub>O<sub>7</sub>**
- Verbindung (aus Rosol) (M. 16, 389).
- C<sub>24</sub>H<sub>21</sub>O<sub>8</sub>**
- Diacetat d. Hydromethylumbelliferon (oder C<sub>19</sub>H<sub>19</sub>O<sub>4</sub>). Sm. 221—222° (Am. 5, 436). — II, 1780.

- C<sub>24</sub>H<sub>22</sub>O<sub>9</sub>** C 63,4 — H 4,8 — O 31,7 — M. G. 454.  
 1) **Tetracetat d. Brasiliin.** Sm. 149—151° (B. **9**, 1886; **18**, 1139). — **III**, 653.  
**C<sub>24</sub>H<sub>22</sub>O<sub>10</sub>** C 61,3 — H 4,7 — O 34,0 — M. G. 470.  
 1) **Pentacetat d. Coccinin.** (B. **18**, 2169). — **II**, 2098.  
 2) **Baphiasäure** (J. **1876**, 890). — **III**, 620.  
**C<sub>24</sub>H<sub>22</sub>O<sub>12</sub>** C 57,4 — H 4,4 — O 38,2 — M. G. 502.  
 1) **Hexacetat d. *α*-Hexaoxybiphenyl.** Sm. 145° (A. **169**, 242). — **II**, 1041.  
 2) **Hexacetat d. *β*-Hexaoxybiphenyl.** Sm. 170° (B. **12**, 1246). — **II**, 1043.  
 3) **Hexacetat d. *γ*-Hexaoxybiphenyl.** Sm. 163—164° (M. I., 673).  
**C<sub>24</sub>H<sub>22</sub>N<sub>2</sub>** C 85,2 — H 6,5 — N 8,3 — M. G. 338.  
 1) **2,7-Di[4-Methylphenylamido]naphthalin.** Sm. 236—237° (B. **20**, 1373). — **IV**, 925.  
 2) **1-Benzylamido-2-[4-Methylphenyl]amidonaphthalin.** Sm. 157°. HCl (B. **27**, 2779). — **IV**, 918.  
 3) **1,4,1',4'-Tetramethyl-2,2'-Asonaphthalin.** Sm. 253° (B. **28** [2] 619; G. **28** [1] 18). — **IV**, 1402.  
 4) **1,4-Di[1-Naphthyl]hexahydro-1,4-Diazin.** Sm. 265° (B. **22**, 1782). — **II**, 601.  
 5) **1,4-Di[2-Naphthyl]hexahydro-1,4-Diazin.** Sm. 228° (B. **23**, 1984). — **II**, 604.  
 6) **5-Isobutyl-2,3-Diphenyl-1,4-Benzdiazin.** Sm. 96° (B. **21**, 2592). — **IV**, 646.  
 7) **6-Isobutyl-2,3-Diphenyl-1,4-Benzdiazin.** Sm. 144°. HCl (B. **20**, 3257). — **IV**, 646.  
**C<sub>24</sub>H<sub>22</sub>N<sub>4</sub>** C 78,7 — H 6,0 — N 15,3 — M. G. 366.  
 1) **p-Tetraamido-1,3,5-Triphenylbenzol.** Sm. 137—138° (B. **23**, 2535). — **IV**, 1304.  
 2) **isom. p-Tetraamido-1,3,5-Triphenylbenzol.** Sm. 96—98° u. Zers. (B. **23**, 2536). — **IV**, 1304.  
**C<sub>24</sub>H<sub>22</sub>N<sub>6</sub>** C 73,1 — H 6,5 — N 21,3 — M. G. 394.  
 1) **Verbindung** (aus d. Verb. C<sub>21</sub>H<sub>22</sub>N<sub>6</sub>). Sm. 104° (B. **21**, 2498). — **IV**, 766.  
**C<sub>24</sub>H<sub>22</sub>S<sub>2</sub>** 1) **Anhydrotriacetophenonidisulfid.** Sm. 107—108° (B. **28**, 904). — **III**, 129.  
**C<sub>24</sub>H<sub>22</sub>N<sub>3</sub>** C 81,6 — H 6,5 — N 11,9 — M. G. 353.  
 1) **5-Amido-7-Pseudobutyl-2,3-Diphenyl-1,4-Benzdiazin?** Sm. 124 bis 125° (J. pr. [2] **48**, 103). — **IV**, 1134.  
**C<sub>24</sub>H<sub>22</sub>N<sub>5</sub>** C 75,6 — H 6,0 — N 18,4 — M. G. 381.  
 1) **Cyanid d. Tri[2-Methylphenyl]guanidin.** Sm. 141° (B. **12**, 1857). — **II**, 460.  
 2) **Cyanid d. Tri[4-Methylphenyl]guanidin.** Sm. 184° (182°). HCl + 3H<sub>2</sub>O, (2HCl, PCl<sub>5</sub>) (B. **11**, 976; Bl. **41**, 127). — **II**, 489.  
**C<sub>24</sub>H<sub>22</sub>O** C 87,8 — H 7,3 — O 4,9 — M. G. 328.  
 1) **Dibenzylidenementhon.** Sm. 129—130° (A. **305**, 273).  
**C<sub>24</sub>H<sub>22</sub>O<sub>2</sub>** C 83,7 — H 6,9 — O 9,3 — M. G. 344.  
 1) **Benzot d. *α*-Oxy-2,3,4,6-Tetramethyldiphenylmethan.** Sm. 75° (Bl. **42**, 173). — **II**, 1144.  
 2) **Aethylester d. *α'*-Phenyl-*α''*-Di[4-Methylphenyl]methan-*α*'-2-Carbonsäure.** Sm. 197—198° (A. **209**, 289).  
 3) **Verbindung** (aus Eucarvon u. Benzaldehyd). Sm. 193—194° (A. **305**, 243). C 70,6 — H 5,9 — O 23,5 — M. G. 408.  
 1) **Homopterocarpin.** Sm. 82—86° (A. ch. [6] 17, 115). — **III**, 672.  
**C<sub>24</sub>H<sub>22</sub>O<sub>6</sub>** C 63,2 — H 6,1 — O 31,6 — M. G. 450.  
 1) **Triäthylester d. 2,4,6-Trimethyl-1,3,5-Benstrifuran-1,3,5-Tricarbonsäure.** Zers. bei 260° (B. **19**, 2935). — **III**, 736.  
**C<sub>24</sub>H<sub>22</sub>N<sub>2</sub>** C 84,7 — H 7,1 — N 8,2 — M. G. 340.  
 1) **Propylamarin.** (Ag, HBr) (B. **18**, 3079). — **III**, 23.  
 2) **4,4'-Di[2,5-Dimethyl-1-Pyranyl]biphenyl.** Zers. oberh. 130° (B. **19**, 3158). — **IV**, 72.  
 3) **Dibenzyldihydrobipyridyl** (B. **14**, 1504). — **IV**, 887.  
**C<sub>24</sub>H<sub>22</sub>N<sub>4</sub>** C 78,3 — H 6,5 — N 15,2 — M. G. 368.  
 1) **4,4'-Di[Dimethylamido]-1,1'-Asonaphthalin.** Sm. 145°. 2 Pikrat (M. **16**, 799). — **IV**, 1391.  
**C<sub>24</sub>H<sub>22</sub>N<sub>6</sub>** C 72,7 — H 6,1 — N 21,2 — M. G. 396.  
 1) **Tribenzylmelamin.** 2HCl (B. **5**, 695). — **II**, 532.  
 2) **Tri[4-Methylphenyl]melamin.** Sm. 283° (J. pr. [2] **33**, 294). — **II**, 513.

- C<sub>24</sub>H<sub>34</sub>S<sub>3</sub>**
- 1) Trithioacetophenon. Sm. 122° (B. **26**, 898). — **III**, **129**.
  - 2) *α*-Trithio-*m*-Toluylaldehyd. Sm. 144° (B. **29**, 151). — **III**, **53**.
  - 3) *β*-Trithio-*m*-Toluylaldehyd. Sm. 225° + 3C<sub>6</sub>H<sub>6</sub> (B. **29**, 151). — **III**, **53**.
  - 4) *α*-Trithio-*p*-Toluylaldehyd. Sm. 149—150° (B. **29**, 152). — **III**, **53**.
  - 5) *β*-Trithio-*p*-Toluylaldehyd. Sm. 180° + 3C<sub>6</sub>H<sub>6</sub> (B. **29**, 152). — **III**, **53**.
- C<sub>24</sub>H<sub>36</sub>O**
- 1) Dibenzylmenthenon. Sm. 72—75° (A. **305**, 274).
  - 2) 3-Oxy-*β*-Dibenzyl-4-Isopropyl-1-Methylbenzol. Sm. 76° (112°) (G. **11**, 350, 436). — **II**, **904**.
- C<sub>24</sub>H<sub>36</sub>O<sub>2</sub>**
- 1) Verbindung (aus Carvenon u. Benzaldehyd). Sm. 170—171°. HCl (A. **305**, 270). C 73,1 — H 6,6 — O 20,3 — M. G. 346.
- C<sub>24</sub>H<sub>36</sub>O<sub>5</sub>**
- 1) Octobit. Sm. 133° (A. **91**, 370). — **III**, **639**.
- C<sub>24</sub>H<sub>36</sub>O<sub>6</sub>**
- 1) Succinat d. 3,4-Dioxy-1-Allylbenzol-3-Methyläther (S. d. Eugenol). Sm. 89,5—90° (B. **30**, 1795; C. **1897** [2] 276).
  - 2) Diäthylester d. Aethylidendi[Benzoylessigkäure]<sup>p</sup> Sm. 82° (A. **231**, 68). C 65,1 — H 5,9 — O 28,9 — M. G. 442.
- C<sub>24</sub>H<sub>36</sub>O<sub>8</sub>**
- 1) Diacetylphysodsäure. Sm. 158° (J. pr. [2] 57, 420).
  - 2) Diäthylester d. Diphenylessigweinsäure. Fl. (A. ch. [7] 3, 476). — **II**, **1310**.
  - 3) Diäthylester d. Di[2-Methylbenzoyl]weinsäure. Fl. (Soc. **69**, 1311, 1589).
  - 4) Diäthylester d. Di[3-Methylbenzoyl]weinsäure. Fl. (Soc. **69**, 1317, 1590).
  - 5) Diäthylester d. Di[4-Methylbenzoyl]weinsäure. Sm. 92—93° (A. ch. [7] 3, 479; Soc. **69**, 1314, 1591). — **II**, **1340**.
- C<sub>24</sub>H<sub>36</sub>O<sub>10</sub>**
- 1) Diäthylester d. Dibenzoylschleimsäure. Sm. 172° (M. **14**, 487). — **II**, **1155**. C 56,9 — H 5,1 — O 37,9 — M. G. 506.
- C<sub>24</sub>H<sub>36</sub>O<sub>12</sub>**
- 1) Triacetat d. Leucodrin. Sm. 188—189° (A. **290**, 316). — **III**, **636**. C 55,2 — H 5,0 — O 39,8 — M. G. 522.
- C<sub>24</sub>H<sub>36</sub>O<sub>13</sub>**
- 1) Caramelin (J. **1852**, 631). — **I**, **1107**.
  - 2) Iridin (B. **26**, 2010, 2039). — **III**, **596**. C 84,2 — H 7,6 — N 8,2 — M. G. 342.
- C<sub>24</sub>H<sub>36</sub>N<sub>2</sub>**
- 1) 1,3-Diphenyl-2-[4-Isopropylphenyl]tetrahydroimidazol (Cuminol-äthylenanilin). Sm. 124—125° (B. **20**, 733). — **III**, **56**.
- C<sub>24</sub>H<sub>36</sub>N<sub>4</sub>**
- 1) 1,4-Di[4-Dimethylamidobenzylidenamido]benzol (Rubifuscin). Sm. bei 270° (277—278°). 2HCl + 5H<sub>2</sub>O (B. **16**, 2729; **26**, 1034; **28**, 109, 326; **31**, 2254). — **IV**, **596**. C 72,4 — H 6,5 — N 21,1 — M. G. 398.
- C<sub>24</sub>H<sub>36</sub>N<sub>6</sub>**
- 1) Verbindung (aus Phenylhydrazin u. Chloraceton). Sm. 157—158° (B. **21**, 2497). — **IV**, **766**. C 77,8 — H 7,0 — N 15,1 — M. G. 370.
- C<sub>24</sub>H<sub>37</sub>N**
- 1) Tri[*β*-Phenyläthyl]amin. Fl. HCl (J. **1879**, 440). — **II**, **539**.
  - 2) Tri[3-Methylbenzyl]amin. Fl. HCl, HNO<sub>3</sub> (A. **142**, 303; **151**, 129). — **II**, **545**.
- C<sub>24</sub>H<sub>37</sub>N<sub>3</sub>**
- 1) 80,6 — H 7,6 — N 11,8 — M. G. 357.
  - 2) *α*-[4-Methylphenyl]imidodi[4-Dimethylamidophenyl]methan. (2HCl, PtCl<sub>4</sub>) (B. **20**, 2853). — **IV**, **1174**.
  - 2) 1,3,5-Tri[4-Methylphenyl]hexahydro-1,3,5-Triazin (4-Methylphenyl-imidomethan). Sm. 127—128° (123°) (B. **18**, 3302; **27**, 1808; **31**, 3253; A. **302**, 352). — **II**, **509**.
  - 3) isom. 4-Methylphenylimidomethan. Sm. 225—227° u. Zers. (207 bis 209°) (B. **18**, 3302; **27**, 1808; **31**, 3253; A. **302**, 352). — **II**, **509**. C 65,3 — H 6,1 — N 28,6 — M. G. 441.
- C<sub>24</sub>H<sub>37</sub>N<sub>9</sub>**
- 1) Toluidylmelamin (B. **19**, 2059). — **IV**, **606**.
- C<sub>24</sub>H<sub>37</sub>Bi**
- 1) Wismuthtri[2,4-Dimethylphenyl]. Sm. 175° (A. **251**, 333). — **IV**, **1699**.
  - 2) Wismuthtri[2,5-Dimethylphenyl]. Sm. 194,5° (B. **30**, 2847). — **IV**, **1699**.

- C<sub>24</sub>H<sub>30</sub>O<sub>3</sub>** C 82,7 — H 8,0 — O 9,2 — M. G. 348.  
 1) **Verbindung** (aus Tetrahydrocarvon u. Benzaldehyd). Sm. 175° (*A. 305*, 267).  
**C<sub>24</sub>H<sub>30</sub>O<sub>4</sub>** C 75,8 — H 7,4 — O 16,8 — M. G. 380.  
 1) **Aethylester d. d-7-Benzoxyl-5,8-Dimethyl-1,2,3,4-Tetrahydronaphthalin-2-Aethyl- $\alpha$ -Carbonsäure** (Ac. d. d-Benzoylsantonigen Säure). Sm. 78° (*B. 16*, 427). — **II, 1671.**  
 2) **Aethylester d. l-7-Benzoxyl-5,8-Dimethyl-1,2,3,4-Tetrahydronaphthalin-2-Aethyl- $\alpha$ -Carbonsäure** (Ac. d. Benzoylisosantonigen Säure). Sm. 90—91° (*B. 16*, 428). — **II, 1671.**  
 3) **Verbindung** (aus Quabala) (*Bl. [3] 19*, 734, 902; *C. 1898* [2] 352).  
**C<sub>24</sub>H<sub>29</sub>O<sub>5</sub>** C 72,7 — H 7,1 — O 20,2 — M. G. 396.  
 1) **Sagaresinotannol** (*B. 28* [2] 1056).  
**C<sub>24</sub>H<sub>29</sub>O<sub>6</sub>** C 69,9 — H 6,8 — O 23,3 — M. G. 412.  
 1) **Diacetat d. Disoeugenol**. Sm. 150—151° (*B. 24*, 2874). — **II, 980.**  
**C<sub>24</sub>H<sub>29</sub>O<sub>7</sub>** C 67,3 — H 6,5 — O 26,2 — M. G. 428.  
 1) **Diacytetylguajakonsäure**. Sm. 61—63° (*C. 1897* [1] 167).  
**C<sub>24</sub>H<sub>29</sub>O<sub>8</sub>** C 64,8 — H 6,3 — O 28,8 — M. G. 444.  
 1) **Aethylester d. Barbatinsäure**. Sm. 132° (*J. pr. [2] 57*, 239).  
**C<sub>24</sub>H<sub>29</sub>O<sub>11</sub>** C 56,7 — H 5,5 — O 37,8 — M. G. 508.  
 1) **Asebotin**. Sm. 147,5° (*R. 2*, 99). — **III, 572.**  
**C<sub>24</sub>H<sub>29</sub>O<sub>17</sub>** C 83,7 — H 8,1 — N 8,1 — M. G. 344.  
 1) **1,2-Di[2,4-Dimethylphenylamidomethyl]benzol**. Sm. 106° (*B. 31*, 422).  
 2)  **$\alpha$ -Phenyl- $\alpha$ -Di[4-Dimethylamidophenyl]äthan**. Sd. oberh. 360° u. Zera. (*A. 242*, 337). — **IV, 1045.**  
**C<sub>24</sub>H<sub>29</sub>N<sub>4</sub>** C 77,4 — H 7,5 — N 15,0 — M. G. 372.  
 1) **2,2-Di[4-Dimethylamidophenyl]-5-Methyl-2,3-Dihydrobenzimidazol** (3,4-Tolylenuaramin). (2HCl, PtCl<sub>6</sub>). Pikrat (*B. 20*, 2853). — **IV, 1175.**  
**C<sub>24</sub>H<sub>29</sub>N<sub>5</sub>** C 80,2 — H 8,1 — N 11,7 — M. G. 359.  
 1) **5'-Amido-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]-2'-Methyltriphenylmethan**. Sm. 160° (*B. 24*, 3127). — **IV, 1197.**  
 2) **6'-Amido-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]-3'-Methyltriphenylmethan**. Sm. 180° (*B. 24*, 3130). — **IV, 1197.**  
 3) **4'-Methylamido-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan**. Sm. 115 bis 116° (*B. 16*, 2907). — **IV, 1194.**  
 4) **2-Nonyl-4,6-Diphenyl-1,3,5-Triasin**. Sm. 38°; Sd. 292—294°<sub>15</sub> (*B. 23*, 2385). — **IV, 1199.**  
**C<sub>24</sub>H<sub>30</sub>O<sub>2</sub>** C 82,3 — H 8,6 — O 9,1 — M. G. 350.  
 1)  **$\alpha$ -Diketo- $\alpha$ -Di[2-Methyl-5-Isopropylphenyl]butan** (Dicymyläthylenketon). Sd. bei 320° (*B. 20*, 1378). — **III, 302.**  
 2) **Diisocamylcarbobenzosäure** (*A. 184*, 169). — **II, 1477.**  
**C<sub>24</sub>H<sub>30</sub>O<sub>3</sub>** C 78,7 — H 8,2 — O 13,1 — M. G. 366.  
 1) **Aethylester d. d-Benzyläthersantonigen Säure** (*G. 25* [2] 357).  
**C<sub>24</sub>H<sub>30</sub>O<sub>4</sub>** C 75,4 — H 7,8 — O 16,8 — M. G. 382.  
 1) **Diacetat d.  $\alpha\beta$ -Dioxy- $\alpha\beta$ -Di[4-Isopropylphenyl]äthan**. Sm. 143—144° (*B. 10*, 54). — **II, 1103.**  
 2) **Diacetat d. 3,3'-Dioxy-4,4'-Dipropyl-1,1'-Dimethyl- $\beta$ -Biphenyl**. Sm. 113—114° (*B. 23*, 2763). — **II, 997.**  
**C<sub>24</sub>H<sub>30</sub>O<sub>5</sub>** C 72,4 — H 7,5 — O 20,1 — M. G. 398.  
 1) **Verbindung + 1<sup>1/2</sup>H<sub>2</sub>O** (aus Strophanthin). Zers. bei 350—360° (*B. 31*, 539).  
**C<sub>24</sub>H<sub>30</sub>O<sub>6</sub>** C 69,5 — H 7,2 — O 23,2 — M. G. 414.  
 1) **Leidsäure**. Sm. 147° (*J. pr. [2] 58*, 508).  
 2) **Diacytetylgujakharsäure**. Sm. 108—110° (*B. 30*, 379; *M. 18*, 716).  
**C<sub>24</sub>H<sub>30</sub>O<sub>7</sub>** C 67,0 — H 7,0 — O 26,0 — M. G. 430.  
 1) **Athamantin**. Sm. 79°. 2HCl (*A. 61*, 315; *110*, 359). — **III, 619.**  
**C<sub>24</sub>H<sub>30</sub>O<sub>8</sub>** C 64,6 — H 6,7 — O 28,7 — M. G. 446.  
 1) **Phytolaccatoxin**. Sm. 170° (*B. 24* [2] 648). — **III, 642.**  
**C<sub>24</sub>H<sub>30</sub>O<sub>11</sub>** C 58,3 — H 6,1 — O 35,6 — M. G. 494.  
 1) **Polystichoflavin**. Sm. 158—158,5° (*C. 1898* [2] 1103).  
**C<sub>24</sub>H<sub>30</sub>O<sub>17</sub>** C 56,4 — H 5,9 — O 37,6 — M. G. 510.  
 1) **Tetracetat d. Coniferin**. Sm. 125—126° (*B. 8*, 1140). — **III, 577.**  
 2) **Hexääthylester d. Bensohexacarbonsäure**. Sm. 72,5—73° (*J. 1862*, 281; *A. 177*, 273). — **II, 2105.**

- C<sub>24</sub>H<sub>30</sub>O<sub>15</sub>** C 51,6 — H 5,4 — O 43,0 — M. G. 558.  
 1) Caramelin (*J. 1861*, 79). — I, 1107.  
 2) Scopolin + 2H<sub>2</sub>O (oder C<sub>15</sub>H<sub>16</sub>O<sub>16</sub> + H<sub>2</sub>O). Sm. 218° (*R. 3*, 177). — III, 611.  
 3) Safflorgelb. 4PbO (*A. 58*, 358). — III, 656.  
 C 48,8 — H 5,1 — O 46,0 — M. G. 590.
- C<sub>24</sub>H<sub>30</sub>O<sub>17</sub>** 1) **Kylylsäure.** Ca, Ba (*Z. 1867*, 669). — I, 1108.  
 C 56,3 — H 6,2 — O 37,5 — M. G. 512.
- C<sub>24</sub>H<sub>32</sub>O<sub>12</sub>** 1) **Tetraäthylester d. 3,6-Dioxy-1,4-Benzochinondiäthyläther-2,5-Di[Methyldicarbonsäure].** Sm. 115° (*Am. 17*, 599).
- C<sub>24</sub>H<sub>32</sub>O<sub>16</sub>** C 50,0 — H 5,6 — O 44,4 — M. G. 576.  
 1) Hexacetylarabin (*Z. 1869*, 265). — I, 1102.
- C<sub>24</sub>H<sub>34</sub>O<sub>2</sub>** 2) **Hexacetylribulin** (*A. 1860*, 85). — I, 1096.  
 C 81,4 — H 9,6 — O 9,0 — M. G. 354.  
 1) Diisoamyläther d. 4,4'-Dioxy-3,3'-Dimethylbiphenyl. Sm. 69° (*B. 21*, 1068). — II, 993.  
 C 77,8 — H 9,2 — O 13,0 — M. G. 370.
- C<sub>24</sub>H<sub>34</sub>O<sub>3</sub>** 1) **Myroxocarpin.** Sm. 115° (*A. 77*, 306). — III, 638.  
 C 74,6 — H 8,8 — O 16,6 — M. G. 386.
- C<sub>24</sub>H<sub>34</sub>O<sub>4</sub>** 1) **Dehydrocholeinsäure** (oder C<sub>25</sub>H<sub>36</sub>O<sub>4</sub>). Sm. 182—183°. Ba + 1½(3)H<sub>2</sub>O (*B. 18*, 3046; *20*, 1044; *26*, 149; *H. 17*, 612). — II, 1872.  
 2) **Diacetylmestacopaiväsäure.** Sm. 74—75° (*M. 2*, 517). — III, 559.  
 3) **Diäthylguajakharssäure.** Sm. 100—102° (*M. 19*, 104).  
 C 71,6 — H 8,5 — O 19,9 — M. G. 402.
- C<sub>24</sub>H<sub>34</sub>O<sub>5</sub>** 1) **Asaresinotannol** (*C. 1897* [1] 820).  
 2) **Periplogenin.** Sm. 185° (*C. 1897* [2] 130).  
 3) **Dehydrocholsäure** + ½C<sub>6</sub>H<sub>5</sub>. Sm. 239° (232°). Na, Ca, Ba, Pb + ½H<sub>2</sub>O, Cu + ½H<sub>2</sub>O, Ag (*B. 14*, 71; *18*, 3048; *19*, 2007; *26*, 148; *32*, 683; *H. 16*, 493; *19*, 285, 288; *25*, 310). — II, 1969.
- C<sub>24</sub>H<sub>34</sub>O<sub>6</sub>** 4) **Isodehydrocholal.** Sm. 242° (*B. 25*, 808; *H. 16*, 501). — II, 1970.  
 C 64,0 — H 7,5 — O 28,4 — M. G. 450.  
 1) **Biliansäure**, siehe C<sub>25</sub>H<sub>36</sub>O<sub>4</sub>. — II, 2076.
- C<sub>24</sub>H<sub>34</sub>O<sub>8</sub>** 2) **Tetraäthylester d. α-Phenylhexan-ββδδ-Tetracarbonsäure** (Γ. d. Aethylbenzylidicarboxyglutarsäure). Sm. 210—230°<sub>11</sub> (*B. 23*, 3184; *30*, 961). — II, 2076.
- C<sub>24</sub>H<sub>34</sub>O<sub>17</sub>** C 84,5 — H 5,7 — O 45,8 — M. G. 594.  
 1) **Hexacetylglallisin** (*B. 17*, 1008). — I, 1061.
- C<sub>24</sub>H<sub>34</sub>O<sub>23</sub>** C 41,8 — H 4,9 — O 53,3 — M. G. 690.
- C<sub>24</sub>H<sub>36</sub>O** 1) **Parapektinsäure.** K<sub>4</sub>Pb<sub>4</sub> (*A. 67*, 286). — I, 1105.  
 C 84,7 — H 10,6 — O 4,7 — M. G. 340.
- C<sub>24</sub>H<sub>36</sub>O<sub>1</sub>** 1) **Antiarhars.** Sm. 173,5° (*C. 1896* [2] 591).
- C<sub>24</sub>H<sub>36</sub>O<sub>2</sub>** C 80,9 — H 10,1 — O 9,0 — M. G. 356.
- C<sub>24</sub>H<sub>36</sub>O<sub>3</sub>** 1) **Succinosilvinsäure.** Sm. 95°. Ag (*C. 1895* [1] 556).
- C<sub>24</sub>H<sub>36</sub>O<sub>4</sub>** C 77,4 — H 9,7 — O 12,9 — M. G. 372.  
 1) **Dyslysin** (*A. 50*, 242; *67*, 27; *J. 1863*, 653; *G. 18*, 88). — I, 783.  
 C 74,2 — H 9,3 — O 16,5 — M. G. 388.
- C<sub>24</sub>H<sub>36</sub>O<sub>4</sub>** 1) **Dehydrocholainsäure.** Sm. 182—183°. Ca, Ba + 3H<sub>2</sub>O (*B. 18*, 3046). — II, 1872.  
 C 66,0 — H 8,3 — O 25,7 — M. G. 436.
- C<sub>24</sub>H<sub>36</sub>O<sub>7</sub>** 1) **Laserpitin.** Sm. 114° (*A. 135*, 236; *J. 1883*, 1361). — III, 635.
- C<sub>24</sub>H<sub>36</sub>O<sub>8</sub>** 2) **Cholansäure**, siehe C<sub>25</sub>H<sub>36</sub>O<sub>7</sub>.  
 C 63,7 — H 7,9 — O 28,3 — M. G. 452.
- C<sub>24</sub>H<sub>36</sub>O<sub>9</sub>** 1) **Cyclamiretin**, siehe C<sub>15</sub>H<sub>24</sub>O<sub>9</sub>. — III, 579.
- C<sub>24</sub>H<sub>36</sub>O<sub>10</sub>** C 49,7 — H 6,2 — O 44,1 — M. G. 580.
- C<sub>24</sub>H<sub>36</sub>N<sub>4</sub>** 1) **Glykodrupose** (*A. 138*, 6). — III, 592.  
 C 75,8 — H 9,5 — N 14,7 — M. G. 380.  
 1) **4,4'-Di[Dipropylamido]azobenzol.** Sm. 90°. 2 + 6J, Pikrat (*M. 3*, 711; *4*, 286). — IV, 1362.
- C<sub>24</sub>H<sub>36</sub>O<sub>4</sub>** C 73,8 — H 9,7 — O 16,4 — M. G. 390.  
 1) **d-Diborneolester d. Bernsteinsäure.** Sm. 83,7° (*B. 22* [2] 255). — III, 471.  
 2) **l-Diborneolester d. Bernsteinsäure.** Sm. 83,7° (*B. 22* [2] 255). — III, 472.

- $C_{24}H_{36}O_4$  3) Diisoborneolester d. Bernsteinsäure. Sm. 82,3° (B. 22 [2] 255). — III, 473.  
 $C_{24}H_{36}O_6$  C 68,3 — H 9,0 — O 22,7 — M. G. 422.  
1) Pertusarsäure. Sm. 103°. Ag (J. pr. [2] 58, 502).  
 $C_{24}H_{36}O_7$  C 65,7 — H 8,7 — O 25,6 — M. G. 438.  
1) Diäthylester d. Anhydrocamphersäure. Sm. 99—100° (Bl. [3] 15, 966).  
 $C_{24}H_{36}O_8$  C 63,4 — H 8,4 — O 28,2 — M. G. 454.  
1) Dimpropylester d. Diönanthylweinsäure. Fl. (Bl. [3] 13, 829).  
 $C_{24}H_{36}O_{10}$  C 45,7 — H 6,0 — O 48,3 — M. G. 630.  
1) Amylum (B. 14, 2253).  
 $C_{24}H_{36}O_{11}$  C 43,5 — H 5,7 — O 50,8 — M. G. 662.  
1) Oxycellulose (Bl. [3] 19, 791).  
 $C_{24}H_{36}O_2$  1) Harz (aus Doona zeylanica) =  $(C_{24}H_{36}O_2)$ , (M. 12, 102). — III, 555.  
 $C_{24}H_{40}O$  C 83,7 — H 11,6 — O 4,6 — M. G. 344.  
1) Paraphytoester +  $H_2O$  (oder  $C_{26}H_{44}O + H_2O$ ). Sm. 149—150° (Bl. 15, 430). — II, 1075.  
2) Heptadekylketon. Sm. 59° (J. pr. [2] 54, 399).  
3) Pentadekyl-2,4-Dimethylphenylketon. Sm. 37°; Sd. 268—269°<sub>15</sub> (164°) (B. 21, 2269; 29, 1327). — III, 157.  
 $C_{24}H_{40}O_2$  C 80,0 — H 11,1 — O 8,9 — M. G. 360.  
1) Caperidin. Sm. 262° (B. 30, 365; J. pr. [2] 57, 434).  
2) Lävosin +  $4H_2O$ . Na, K, Ca,  $Ca_2$ , Ba<sub>2</sub>, Pb<sub>2</sub>, Pb<sub>3</sub> (Bl. [3] 5, 724).  
3) Stärke. Lit. bedeutend.  
4) Aethyläther d. Pentadekyl-4-Oxyphenylketon. Sm. 69°; Sd. 288 bis 289°<sub>15</sub> (B. 21, 2270). — III, 157.  
5) Phenylester d. Stearinäure. Sm. 52°; Sd. 267°<sub>15</sub> (B. 17, 1380). — II, 662.  
6) Acetat d. Cholestol. Sm. 124—126° (B. 18, 1807). — II, 1069.  
 $C_{24}H_{40}O_3$  C 76,6 — H 10,6 — O 12,8 — M. G. 376.  
1) Dimethyläther d. Pentadekyl-3,5,7-Trioxypheylketon. Sm. 63,5°; Sd. 289—290°<sub>15</sub> (B. 21, 2270). — III, 157.  
 $C_{24}H_{40}O_4$  C 73,5 — H 10,2 — O 16,3 — M. G. 392.  
1) Choleinsäure +  $1\frac{1}{2}H_2O$  (Deoxycholsäure). Sm. 185—190° (160—170°; 149°). Na, Ba +  $6H_2O$ , Ag +  $1\frac{1}{2}H_2O$  (B. 18, 3041; 19, 375, 1140; 20, 1046, 1970; 26, 146; 27, 1346; H. 17, 608; 19, 573; 21, 270). — I, 734.  
2)  $\beta$ -Hyocholsäure +  $\frac{1}{2}H_2O$ . Na +  $\frac{1}{2}H_2O$ , Ba +  $\frac{1}{2}H_2O$ , Ag +  $H_2O$  (H. 13, 234). — I, 735.  
 $C_{24}H_{40}O_5$  C 70,6 — H 9,8 — O 19,6 — M. G. 408.  
1) Cholsäure +  $1(2\frac{1}{2})H_2O$ . Sm. 194—195°. Na, K, Ca, Ba, Pb, Ag. Lit. bedeutend. — I, 781.  
 $C_{24}H_{40}O_6$  C 67,9 — H 9,4 — O 22,6 — M. G. 424.  
1) Säure (aus Cholesterin) (B. 5, 510). — III, 1075.  
 $C_{24}H_{40}O_8$  C 61,0 — H 8,5 — O 30,5 — M. G. 472.  
1) Adonin (B. 24, 2579; C. 1866 [2] 590). — III, 566.  
 $C_{24}H_{40}O_{10}$  C 59,0 — H 8,2 — O 32,8 — M. G. 488.  
1) Yucca-Saponin (oder  $C_{40}H_{48}O_7$ ) (C. 1895 [1] 352).  
 $C_{24}H_{40}O_{12}$  C 55,4 — H 7,7 — O 36,9 — M. G. 520.  
1) Aescinsäure. K (J. 1862, 490; 1867, 751). — II, 2104.  
 $C_{24}H_{40}O_{10}$  C 44,4 — H 6,2 — O 49,4 — M. G. 648.  
1) Verbindung (aus Melitroise) (Bl. [3] 17, 959).  
 $C_{24}H_{40}N_2$  C 80,9 — H 11,2 — N 7,9 — M. G. 356.  
1) Conessin (Wrightin). Sm. 121,5—122°.  $2HCl + 2H_2O$ ,  $(2HCl, 2HgCl_2, (2HCl, PtCl_4 + \frac{1}{2}H_2O), (2HCl, 2AuCl_2 + 2H_2O, 2HNO_3, 2Pikrat + 2H_2O$  (J. 1864, 456; 1865, 460; 1868, 2237; B. 19, 60, 78, 1683). — III, 875.  
 $C_{24}H_{40}O$  C 83,2 — H 12,1 — O 4,6 — M. G. 346.  
1)  $p$ -Oxy-1-Oktadekylbenzol. Sm. 84°; Sd. 277°<sub>15</sub> (B. 19, 2985). — II, 777.  
2) Aethyläther d. 4-Oxy-1-Hexadekylbenzol. Sm. 43—44° (B. 21, 3181). — II, 777.  
3) Verbindung (aus Mesityloxyd). Sm. 110—120° (A. 180, 8). — I, 1008.  
 $C_{24}H_{40}O_3$  C 76,2 — H 11,1 — O 12,7 — M. G. 378.  
1) Ivain (A. 155, 150). — III, 634.  
 $C_{24}H_{40}O_4$  C 73,1 — H 10,7 — O 16,2 — M. G. 394.  
1) Dimenthylester d. Bernsteinsäure. Sm. 62° (A. ch. [6] 7, 481). — III, 467.

- C<sub>24</sub>H<sub>42</sub>O<sub>6</sub>** C 67,6 — H 9,8 — O 22,5 — M. G. 426.  
 1) Diacetat d. Verb. C<sub>26</sub>H<sub>38</sub>O<sub>4</sub> (aus Isobutyraldehyd). Sd. 248—252° (Soc. 43, 95). — I, 947.
- C<sub>24</sub>H<sub>42</sub>O<sub>6</sub>** C 57,8 — H 16,5 — O 25,7 — M. G. 458.  
 1) Triacetoxylstearinsäure. Fl. (J. pr. [2] 39, 342). — I, 738.
- C<sub>24</sub>H<sub>42</sub>O<sub>6</sub>** 2) Diisobutylester d. Dicaprolylweinsäure. Fl. (Bl. [3] 11, 368).  
 C 43,6 — H 6,4 — O 50,9 — M. G. 666.  
 1)  $\beta$ -Maltodextrin (Soc. 71, 517).  
 2) Trehalum (B. 26, 1331).  
 C 80,4 — H 11,7 — N 7,8 — M. G. 358.
- C<sub>24</sub>H<sub>42</sub>O<sub>6</sub>** 1)  $\gamma$ -Phenylhydrazonoktadekan. Fl. (Bl. [3] 15, 767). — IV, 769.  
 C 72,7 — H 11,1 — O 16,1 — M. G. 396.
- C<sub>24</sub>H<sub>42</sub>O<sub>6</sub>** 1) Verbindung (aus Isobutyraldehyd). Sd. 250—255° (Soc. 43, 95; M. 19, 374). — I, 947.  
 C 80,0 — H 22,2 — N 7,8 — M. G. 360.
- C<sub>24</sub>H<sub>42</sub>N<sub>2</sub>** 1) 1,2-Di[Diisobutylamidomethyl]benzol. Sm. 56°; Sd. oberh. 200° (B. 31, 428).  
 C 78,7 — H 12,6 — O 8,7 — M. G. 366.
- C<sub>24</sub>H<sub>42</sub>O<sub>2</sub>** 1) Aethylester d. Brassidinsäure. Sm. 29—30°; Sd. oberh. 360° (B. 19, 3324). — I, 528.
- C<sub>24</sub>H<sub>42</sub>O<sub>3</sub>** 2) Aethylester d. Erucaäure. Sd. oberh. 360° (B. 19, 3324). — I, 528.  
 C 75,4 — H 12,0 — O 12,6 — M. G. 382.
- C<sub>24</sub>H<sub>42</sub>O<sub>4</sub>** 1) Aethylester d. Oxybehensäure (Ac. d. Ketobehensäure). Sm. 54° (J. pr. [2] 48, 338; B. 27, 176).  
 C 72,4 — H 11,5 — O 16,1 — M. G. 398.
- C<sub>24</sub>H<sub>42</sub>O<sub>4</sub>** 1) Dokosan-1, $\mu$ -Dicarbonsäure ( $\alpha$ -Didekylbernsteinsäure). Sm. 134° (A. 298, 180).  
 2) isom. Dokosan-1, $\mu$ -Dicarbonsäure ( $\alpha$ -Didekylbernsteinsäure). Sm. 74° (A. 298, 180).
- C<sub>24</sub>H<sub>42</sub>O<sub>5</sub>** 3) Aethylester d. Dioxybrassidinsäure. Sm. 54° (B. 26, 840).  
 C 45,1 — H 7,2 — O 47,6 — M. G. 638.
- C<sub>24</sub>H<sub>42</sub>O<sub>6</sub>** 1) Verbindung (aus Quercit (A. ch. [5] 15, 25). — I, 283.  
 C 81,8 — H 13,6 — O 4,5 — M. G. 352.
- C<sub>24</sub>H<sub>42</sub>O<sub>6</sub>** 1)  $\gamma$ -Ketotetrakosan (Hexylseptdekylketon). Sd. 248° (B. 15, 1718). — I, 1006.
- C<sub>24</sub>H<sub>42</sub>O<sub>7</sub>** 2) Cerosin. Sm. 82° (A. 37, 170, 173; A. ch. [3] 13, 451). — I, 256.  
 C 78,3 — H 13,0 — O 8,7 — M. G. 368.
- C<sub>24</sub>H<sub>42</sub>O<sub>8</sub>** 1) Carnaubasäure. Sm. 72,5°. Ca, Pb (A. 223, 306; B. 29, 619, 2899). — I, 448.
- C<sub>24</sub>H<sub>42</sub>O<sub>9</sub>** 2) Cerosinsäure. Sm. 93,5° (A. ch. [3] 13, 451). — I, 256.  
 3) Gingkosäure. Sm. 35° (J. 1857, 529). — I, 448.  
 4) Lignocerinsäure. Sm. 80,5°. Na, K, Pb, Cu, Ag (B. 13, 1713; 21, 880). — I, 448.
- C<sub>24</sub>H<sub>42</sub>O<sub>10</sub>** 5) Paraffinsäure. Sm. 45—47° (Bl. 23, 111; siehe auch C<sub>19</sub>H<sub>38</sub>O<sub>6</sub>N). — I, 448.  
 6) Säure (aus d. Verb. C<sub>24</sub>H<sub>42</sub>O). Sm. 62° (B. 11, 2114).
- C<sub>24</sub>H<sub>42</sub>O<sub>11</sub>** 7) Aethylester d. Behensäure. Sm. 48—49° (A. 64, 344). — I, 448.  
 8) Oktylester d. Palmitinsäure. Sm. 8,5° (J. 1858, 301). — I, 448.  
 C 75,0 — H 12,5 — O 12,5 — M. G. 384.
- C<sub>24</sub>H<sub>42</sub>O<sub>12</sub>** 1)  $\alpha$ -Oxybeheninäthyläthersäure. Sm. bei 60° (G. 27 [2] 300).  
 2) Aethylester d.  $\alpha$ -Oxybebensäure. Sm. 70—71° (G. 27 [2] 300).  
 3) Aethylester d.  $\alpha$ -Oxyarachinäthyläthersäure. Sm. 35—37° (M. 17, 537).  
 C 66,7 — H 11,1 — O 22,2 — M. G. 432.
- C<sub>24</sub>H<sub>42</sub>O<sub>13</sub>** 1) Diglycerinsearat. Sm. 30° (J. pr. [2] 28, 252). — I, 446.  
 C 81,4 — H 14,1 — O 4,5 — M. G. 354.
- C<sub>24</sub>H<sub>42</sub>O<sub>14</sub>** 1) Carnaubylalkohol. Sm. 68—69° (B. 29, 2898).  
 C 78,7 — H 13,7 — N 7,6 — M. G. 366.
- C<sub>24</sub>H<sub>42</sub>N<sub>2</sub>** 1) Diisomylönanthylidenamin. Fl. (A. 140, 93). — I, 955.  
 C 81,6 — H 14,4 — N 4,0 — M. G. 353.
- C<sub>24</sub>H<sub>42</sub>N<sub>2</sub>** 1) norm. Tricktylamin. Sd. 365—367°. (2HCl, PtCl<sub>4</sub>) (B. 17, 632). — I, 1137.  
 2) sec. Tricktylamin. Sd. 370°. HCl, (2HCl, PtCl<sub>4</sub>) (B. 17, 637). — I, 1138.

**C<sub>24</sub>-Gruppe mit drei Elementen.**

- C<sub>24</sub>H<sub>16</sub>O<sub>2</sub>N<sub>3</sub>** 1) Verbindung (aus 2-Amido-1-Oxybenzol) (*J. pr.* [2] 19, 321). — II, 713.
- C<sub>24</sub>H<sub>16</sub>O<sub>5</sub>Br<sub>4</sub>** 1) Tetrabromnaphthalfluorescein (Naphthaloesin). Sm. noch nicht bei 310°.  
+ C<sub>6</sub>H<sub>6</sub>O (*A.* 227, 140). — II, 2039.
- C<sub>24</sub>H<sub>16</sub>O<sub>5</sub>N<sub>3</sub>** C 40,3 — H 1,4 — O 42,6 — N 15,7 — M. G. 714.
- C<sub>24</sub>H<sub>16</sub>O<sub>5</sub>N<sub>5</sub>** 1) Hexanitroazoresofurin (*B.* 17, 1865; 18, 587). — II, 934.
- C<sub>24</sub>H<sub>16</sub>ON<sub>3</sub>** C 83,7 — H 3,5 — O 4,6 — N 8,1 — M. G. 344.
- 1) Verbindung (aus Acenaphtenchinon). Sm. noch nicht bei 300° (*A.* 276, 9). — III, 404.
- C<sub>24</sub>H<sub>16</sub>O<sub>5</sub>Br<sub>3</sub>** 1) Biacenaphthylidendionbromid. Sm. 237° (*A.* 276, 19). — III, 311.
- C<sub>24</sub>H<sub>16</sub>O<sub>5</sub>Cl<sub>3</sub>** 1) Naphtalfluoresceinchlorid. Sm. 283° (*A.* 227, 139). — II, 2039.
- C<sub>24</sub>H<sub>16</sub>O<sub>5</sub>Cl<sub>2</sub>** 1) Bischlorindonphloroglucin. Sm. 241° u. Zers. (*B.* 32, 266).
- C<sub>24</sub>H<sub>16</sub>O<sub>5</sub>Br<sub>2</sub>** 1) Hexabromderivat d. Verb. C<sub>24</sub>H<sub>16</sub>O<sub>5</sub> (*B.* 10, 1470). — II, 917.
- C<sub>24</sub>H<sub>16</sub>O<sub>5</sub>Cl<sub>1</sub>** 1) Diacetat d. Tetrachlorfluorescein (*A.* 238, 336). — II, 2062.
- C<sub>24</sub>H<sub>16</sub>O<sub>5</sub>Br<sub>1</sub>** 1) Diacetat d. Tetrabromfluorescein? Sm. 278° (*A.* 183, 53). — II, 2064.
- C<sub>24</sub>H<sub>16</sub>O<sub>10</sub>N<sub>10</sub>** C 39,6 — H 1,6 — O 39,6 — N 19,2 — M. G. 728.
- 1) P-Oktonio-1,1-Dinaphthylamid d. Bernsteinsäure. Sm. 256° u. Zers. (*B.* 10, 1713; *A.* 209, 384). — II, 612.
- C<sub>24</sub>H<sub>16</sub>OBr<sub>3</sub>** 1) Brombiacenaphthylidenondibromid. Sm. bei 280° u. Zers. (*A.* 290, 203). — III, 266.
- C<sub>24</sub>H<sub>16</sub>O<sub>4</sub>N** C 76,0 — H 3,4 — O 16,9 — N 3,7 — M. G. 379.
- 1) Benzoat d. Oxyanthrachinolinchinon. Sm. 175° (*A.* 276, 26). — IV, 461.
- C<sub>24</sub>H<sub>16</sub>O<sub>12</sub>Br<sub>11</sub>** 1) Triacetat d. Xanthogallolsäure (*B.* 20, 2038). — II, 1015.
- C<sub>24</sub>H<sub>16</sub>N<sub>2</sub>Cl<sub>19</sub>** 1) Verbindung (aus Dimethylaniin u. Chlorstickstoff). Sm. 117° (*B.* 30, 2648; *31*, 246). — IV, 660.
- C<sub>24</sub>H<sub>16</sub>ON<sub>3</sub>** C 83,3 — H 4,0 — O 4,6 — N 8,1 — M. G. 346.
- C<sub>24</sub>H<sub>16</sub>O<sub>2</sub>N<sub>3</sub>** C 79,6 — H 3,9 — O 8,8 — N 7,7 — M. G. 362.
- 1) 1-Naphthylinigo (*B.* 26, 2547). — II, 1694.  
2) 2-Naphthylinigo (*B.* 26, 2547; *31*, 1817). — II, 1694.
- C<sub>24</sub>H<sub>16</sub>O<sub>2</sub>Cl<sub>2</sub>** 1) Phenolnaphthalinchlorid. Sm. 180° (*B.* 28, 903). — II, 1989.
- C<sub>24</sub>H<sub>16</sub>O<sub>6</sub>Br<sub>4</sub>** 1) Diacetat d. P-Tetrabrom-9,P-Dioxy-10-Oxyphenylanthracen. Sm. 256° (*A.* 202, 95). — II, 1116.
- C<sub>24</sub>H<sub>16</sub>O<sub>6</sub>Br<sub>4</sub>** 1) Diacetat d. Tetrabromphenolphthalein. Sm. 134° (*A.* 202, 80). — II, 1984.  
2) Diacetat d. Tetrabromphenolphthalein. Sm. 182—183° (*A.* 202, 108). — III, 261.
- C<sub>24</sub>H<sub>16</sub>O<sub>7</sub>Br<sub>2</sub>** 1) Diacetat d. Dibromfluorescein. Sm. 208—210° (*A.* 183, 38). — II, 2063.
- C<sub>24</sub>H<sub>16</sub>O<sub>8</sub>N<sub>2</sub>** C 62,9 — H 3,1 — O 27,9 — N 6,1 — M. G. 458.
- 1) Aethylester d. Dinitroptalaconcarbonsäure. Sm. oberh. 280° (*B.* 17, 1389). — II, 1915.
- C<sub>24</sub>H<sub>16</sub>O<sub>8</sub>N<sub>4</sub>** C 59,2 — H 2,9 — O 26,3 — N 11,5 — M. G. 486.
- 1) *α*-Tetranitro-1,3,5-Triphenylbenzol. Sm. oberh. 370° (*B.* 23, 2535). — II, 300.  
2) *β*-Tetranitro-1,3,5-Triphenylbenzol. Sm. 108° u. Zers. (*B.* 23, 2535). — II, 300.
- C 56,9 — H 2,8 — O 34,8 — N 5,5 — M. G. 506.
- C<sub>24</sub>H<sub>16</sub>O<sub>11</sub>N<sub>2</sub>** 1) Diacetat d. Dinitrofluorescein (*A.* 183, 30). — II, 2064.
- C<sub>24</sub>H<sub>16</sub>O<sub>10</sub>N<sub>4</sub>** C 43,0 — H 2,1 — O 38,1 — N 16,7 — M. G. 670.
- C<sub>24</sub>H<sub>16</sub>ON<sub>3</sub>** 1) Hexanitroocinaurincaminsäure + H<sub>2</sub>O. K<sub>2</sub> (*B.* 13, 567). — II, 1125.
- C<sub>24</sub>H<sub>16</sub>ON<sub>5</sub>** C 79,8 — H 4,2 — O 4,4 — N 11,6 — M. G. 361.
- 1) Verbindung (aus Aposafranin u. 2-Amido-1-Oxybenzol) (*B.* 30, 2493). — IV, 1177.
- C<sub>24</sub>H<sub>16</sub>O<sub>5</sub>N** C 78,9 — H 4,1 — O 13,1 — N 3,8 — M. G. 365.
- 1) 2-Methyl-4-Phenylchinolinphthalon. Sm. 270° (*B.* 18, 2407; 19, 2428). — IV, 451.
- C<sub>24</sub>H<sub>16</sub>O<sub>3</sub>N<sub>2</sub>** C 73,3 — H 3,8 — O 12,2 — N 10,7 — M. G. 393.
- 1) polym. Cyanid d. Benzolcarbonsäure = (C<sub>6</sub>H<sub>5</sub>ON)<sub>n</sub>. Sm. 195° (*A.* 287, 303).

- C<sub>24</sub>H<sub>15</sub>O<sub>5</sub>N<sub>3</sub>** C 67,8 — H 3,5 — O 18,8 — N 9,9 — M. G. 425.  
 1) **Verbindung** (aus Kyanbenzylin) +  $\frac{1}{2}$ H<sub>2</sub>O. Sm. 210° (J. pr. [2] 53, 250). — IV, 1217.
- C<sub>24</sub>H<sub>15</sub>O<sub>6</sub>N<sub>3</sub>** C 65,3 — H 3,4 — O 21,8 — N 9,5 — M. G. 441.  
 1) **2,4,6-Trinitro-1,3,5-Triphenylbenzol** (B. 7, 1125). — II, 300.  
 2) **2-Nitro-1,4-Di[Phtalylamidomethyl]bensol.** Sm. 233—255° (B. 28, 2992). — IV, 644.  
 3) **Tribenzoylecyanurat** (B. 19, 311). — II, 1173.
- C<sub>24</sub>H<sub>15</sub>O<sub>6</sub>N<sub>3</sub>** C 63,0 — H 3,3 — O 24,5 — N 9,2 — M. G. 457.
- C<sub>24</sub>H<sub>15</sub>O<sub>6</sub>N<sub>5</sub>** C 57,5 — H 3,0 — O 25,5 — N 14,0 — M. G. 501.  
 1) **Verbindung** (aus Acetylalanidobenzolazoxindol). Sm. 275—280° (A. 226, 66). — IV, 1005.
- C<sub>24</sub>H<sub>15</sub>O<sub>9</sub>N<sub>3</sub>** C 58,9 — H 3,1 — O 29,4 — N 8,6 — M. G. 489.  
 1) **Triphenyläther d. 2,4,6-Trinitro-1,3,5-Trioxybenzol.** Sm. 175° (Am. 13, 189; 15, 639). — II, 1022.
- C<sub>24</sub>H<sub>15</sub>O<sub>10</sub>N<sub>11</sub>** C 46,7 — H 2,4 — O 25,9 — N 25,0 — M. G. 617.  
 1) **Pentanitrodiazobenzophenylhydrazin.** Zers. bei 144° (J. pr. [2] 44, 465). — IV, 1199.
- C<sub>24</sub>H<sub>15</sub>N<sub>5</sub>Cl** 1) **Chlorphenyli fluorindin** (B. 28, 1544). — IV, 1300.
- C<sub>24</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>** C 79,1 — H 4,4 — O 8,8 — N 7,7 — M. G. 364.  
 1) **3-Phenyl- $\alpha$ -Naphtidiazol-2-[Pheny-2-Carbonsäure].** Sm. 260°. Ca, HCl, Pikrat (B. 27, 274). — IV, 920.
- 2) **Acetat d. Oxyphenylnaphthonazin.** Sm. 262—262,5° (A. 296, 25). — IV, 1090.
- C<sub>24</sub>H<sub>16</sub>O<sub>2</sub>S<sub>2</sub>** 1) **Dibenzoat d.  $\beta$ -Dimerkaptonaphthalin.** Sm. 152—153° (B. 23, 2371). — II, 1151.
- C<sub>24</sub>H<sub>16</sub>O<sub>2</sub>N<sub>2</sub>** C 75,8 — H 4,2 — O 12,6 — N 7,4 — M. G. 380.  
 1) **Verbindung** (aus Diacetylweinsäureanhydrid u.  $\beta$ -Naphtylamin) (Soc. 71, 1062).
- C<sub>24</sub>H<sub>16</sub>O<sub>3</sub>N<sub>1</sub>** C 70,6 — H 3,9 — O 11,8 — N 13,7 — M. G. 408.  
 1) **5,7-Anhydrid d. 10-Nitro-5-Acetylamido- $\alpha\beta$ -Naphthonazin-7-Phenoxyhydrat** (B. 31, 3079).
- C<sub>24</sub>H<sub>16</sub>O<sub>4</sub>N<sub>2</sub>** C 72,7 — H 4,0 — O 16,2 — N 7,1 — M. G. 396.  
 1) **1,2-Di[Phtalylamidomethyl]bensol.** Sm. 266° (B. 21, 579; 26, 2213). — II, 1807.  
 2) **1,3-Di[Phtalylamidomethyl]bensol.** Sm. 237° (B. 21, 2704). — IV, 643.  
 3) **1,4-Di[Phtalylamidomethyl]bensol.** Sm. 279—280° (B. 28, 2992). — IV, 644.
- C<sub>24</sub>H<sub>16</sub>O<sub>4</sub>N<sub>4</sub>** C 67,9 — H 3,8 — O 15,1 — N 13,2 — M. G. 424.  
 1) **Isodinitroso diphenyl?** Sm. 187° (B. 10, 140). — IV, 1402.
- C<sub>24</sub>H<sub>16</sub>O<sub>5</sub>N<sub>4</sub>** C 65,4 — H 3,6 — O 18,2 — N 12,7 — M. G. 440.  
 1) **4,4'-Di(4-Nitrophenyl)oxoxyzensol.** Sm. 255° (B. 10, 138). — IV, 1341.  
 2) **Istatilim** (J. pr. [1] 35, 124). — II, 1609.  
 3) **1-Oxy-2,4-Diphenylazonaphthalin-2<sup>a</sup>,4<sup>b</sup>-Dicarbonsäure.** Zers. bei 264° (B. 24, 1605). — IV, 1464.
- C<sub>24</sub>H<sub>16</sub>O<sub>5</sub>Br<sub>4</sub>** 1) **Diäthyläther d. Tetrabromfluorescein** (A. 183, 51). — II, 2064.  
 2)  **$\alpha$ ,<sup>2</sup>-Laktone d. Tetrabrom- $\alpha$ ,<sup>4</sup>-Dioxy- $\alpha$ '-Acetoxytrifluoromethan- $\alpha$ '-Äthyläther-2<sup>3</sup>-Carbonsäure.** Sm. 110—111° (B. 30, 179).
- C<sub>24</sub>H<sub>16</sub>O<sub>6</sub>Br<sub>4</sub>** 1)  **$\beta$ -Tetrabrom- $\beta$ -Diacetoxyltrifluoromethan-2-Carbonsäure.** Sm. 165—166° (A. 202, 87). — II, 1911.
- C<sub>24</sub>H<sub>16</sub>O<sub>6</sub>N<sub>6</sub>** C 55,8 — H 3,1 — O 24,8 — N 16,3 — M. G. 516.  
 1) **4,4'-Di[2,4-Dinitrophenylamido]biphenyl.** Sm. oberh. 330° (B. 9, 982). — IV, 963.
- C<sub>24</sub>H<sub>16</sub>O<sub>10</sub>N<sub>6</sub>** C 52,6 — H 2,9 — O 29,2 — N 15,3 — M. G. 548.  
 1)  **$\beta$ -Tetranitro-1,1-Dinaphtylamid d. Bernsteinsäure.** Sm. 225° u. Zers. (B. 10, 1713; A. 208, 383). — II, 612.
- C<sub>24</sub>H<sub>16</sub>N<sub>6</sub>S** 1) **Verbindung** (aus 2,5-Di-1-Naphtylamido-1,3,4-Thiodiazol). Sm. 203° (B. 23, 361). — IV, 1237.  
 2) **Verbindung** (aus 2,5-Di-2-Naphtylamido-1,3,4-Thiodiazol). Sm. 200° (B. 23, 363). — IV, 1237.
- C<sub>24</sub>H<sub>17</sub>ON** C 86,0 — H 5,0 — O 4,8 — N 4,2 — M. G. 335.  
 1)  **$\beta$ -[1-Naphtyl]imido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan ( $\alpha$ -Naphtilbenzil).** Sm. 138—139° (M. 9, 691). — III, 285.

- $C_{24}H_{11}ON$  2) **meso-Keto-N-Benzylidihydrophenenaphthakridin.** Sm. 188—189° (*B.* 26, 2595). — **IV, 464.**
- $C_{24}H_{11}ON_2$  C 79,3 — H 4,7 — O 4,4 — N 11,6 — M. G. 363.
- 1) **1-Acetyl-2,5-Di[2-Naphthyl]-1,3,4-Triazol.** Sm. 187° (*B.* 30, 1884; *A.* 298, 43). — **IV, 1217.**
  - 2) **Phenylamidobenzolindon (Phenylamidoaposafranon).** Sm. 256° (*A.* 286, 253; *B.* 26, 383; 28, 2287; 29, 1605). — **IV, 1179.**
  - 3) **s-Phenylamidobenzolindon (Mauvindon)** (*A.* 286, 208). — **IV, 1179.**
  - 4) **Acetylrosindulin. HCl, (2HCl, PtCl<sub>4</sub>, H<sub>2</sub>SO<sub>4</sub>)** (*A.* 290, 266). — **IV, 1207.**
  - 5) **Acetylisorosindulin. HCl, (2HCl, PtCl<sub>4</sub>)** (*J. r.* 29, 556). — **IV, 1202.**
- $C_{24}H_{11}O_2N_3$  C 76,0 — H 4,5 — O 8,4 — N 11,1 — M. G. 379.
- 1) **2-[3-Nitrophenyl]-3-[4-Methylphenyl]- $\alpha$ -Naphtimidazol.** Sm. 197° (*B.* 25, 2833). — **IV, 1062.**
  - 2) **Oxphenylindulin (Phenylamidoapafrol).** HCl (*A.* 286, 200; *B.* 29, 369). — **IV, 1179.**
- $C_{24}H_{11}O_3N$  C 78,5 — H 4,6 — O 13,1 — N 3,8 — M. G. 367.
- 1) **5-Benzoyl-3-[4-Methylphenyl]amido-1,4-Naphthochinon.** Sm. 196 bis 197° (*A.* 247, 185). — **III, 255.**
  - 2) **Benzot d. 1-Benzoylamido-2-Oxynaphthalin.** Sm. 226,5° (*Soc.* 55, 121). — **II, 1180.**
  - 3) **Verbindung** (aus Anilin u. d. 1-Phenylnaphthalin-2,3-Dicarbonsäure-anhydrid). Sm. 194° u. Zers. (*Am.* 20, 97).
- $C_{24}H_{11}O_4N$  C 75,2 — H 4,4 — O 16,7 — N 3,7 — M. G. 383.
- 1) **Phenolnaphthalenoim.** Sm. 220° (*B.* 28, 993). — **II, 1989.**
  - 2) **1,2,5-Triphenylbenzol-2',5'-Dicarbonsäure.** Sm. 295°. Ag (*B.* 20, 1487). — **IV, 452.**
  - 3) **Lakton d.  $\delta$ -Nitro- $\gamma$ -Oxy- $\delta$ -[3-Methylphenyl]- $\alpha\beta$ -Diphenyl- $\alpha\gamma$ -Butadien- $\alpha$ -Carbonsäure (Nitro-m-Xyldiphenylmaleid).** Sm. 165° (*B.* 26, 2482). — **II, 1729.**
  - 4) **1-Naphtylester d. 2-[Phenylamidoformyl]oxybenzol-1-Carbonsäure.** Sm. 244° (*B.* 26, 1466). — **II, 1496.**
  - 5) **2-Naphtylester d. 2-[Phenylamidoformyl]oxybenzol-1-Carbonsäure.** Sm. 268° (*B.* 26, 1466). — **II, 1496.**
  - 6) **Monophenylamid d. Pulinssäure.** Sm. 187—188°. NH<sub>4</sub>, K + 2H<sub>2</sub>O, Zn (*A.* 282, 26). — **II, 2031.**
- $C_{24}H_{11}O_4N_2$  C 70,1 — H 4,1 — O 15,6 — N 10,2 — M. G. 411.
- 1) **1,4-Di[Benzoylamido]-3-Phenylamido-2,5-Diketo-1,2,4,5-Tetrahydro-1,4-Diazin (Hippuroflavinmonanilid).** Sm. 189—192° (*B.* 26, 2323; *A.* 287, 82). — **II, 1185.**
- $C_{24}H_{11}O_4N_3$  C 65,6 — H 3,9 — O 14,6 — N 15,9 — M. G. 439.
- 1) **Imatinid** (*J. pr.* [1] 35, 122). — **II, 1609.**
  - 2) **3-Methyl-2,3-Di[4-Nitrophenyl]-2,3-Dihydro-1,2,4-Naphthoisotiazin** (*Soc.* 59, 694). — **IV, 1396.**
- $C_{24}H_{11}O_5N_7$  C 59,6 — H 3,5 — O 16,6 — N 20,3 — M. G. 483.
- 1) **2,4-Diphenylazo-6-[3-Nitrophenoxy]-1,3,5-Trioxobenzol.** Sm. 290° u. Zers. (*Soc.* 71, 1156). — **IV, 1451.**
- $C_{24}H_{11}O_5N_5$  C 59,1 — H 3,5 — O 23,0 — N 14,4 — M. G. 487.
- 1) **Säure** (aus 3-Cyanamidobenzol-1-Carbonsäure) (*B.* 15, 2119). — **II, 1270.**
- $C_{24}H_{11}O_5Br_3$  1) **Tetracetat d. Tribrombrasilein + H<sub>2</sub>O** (*B.* 23, 1429). — **III, 655.**
- $C_{24}H_{11}N_5Br$  1) **4-Bromphenylat d. 2-Phenyl-1,4-Naphthiosiazin** (*B.* 24, 1873). — **IV, 1064.**
- $C_{24}H_{11}N_5Cl_2$  1) **Chlorphenylaposafranin.** 2 + PtCl<sub>4</sub> (*B.* 31, 302). — **IV, 1177.**
- $C_{24}H_{11}ON$  1) **1,2-Di[Benzoylamido]naphthalin.** Sm. 291° (*A.* 254, 256). — **IV, 919.**
- 2) **4,4'-Diphenylazoxybenzol.** Sm. 205° (*B.* 13, 1960). — **IV, 1341.**
  - 3) **2-[2-Oxyphenyl]-3-[4-Methylphenyl]- $\alpha$ -Naphtimidazol.** Sm. 217° (*B.* 25, 2834). — **IV, 1062.**
  - 4) **4-Phenoxydhydrat d. 2-Phenyl-1,4-Naphthiosiazin.** Sm. 148°. Bromid (*B.* 24, 1873, 2082). — **IV, 1064.**
  - 5) **Verbindung** (aus Oxalylidbenzylketon u. 3,4-Diamido-1-Methylbenzol). Sm. 290—291° (*A.* 284, 260). — **IV, 621.**
- $C_{24}H_{10}ON_4$  C 76,2 — H 4,8 — O 4,2 — N 14,8 — M. G. 378.
- 1) **4-[1-Naphthyl]amido-5-Keto-3-Methyl-1-[1-Naphthyl]-4,5-Dihydropyrazol.** Sm. 220° (*Soc.* 59, 343). — **IV, 930.**

- $C_{14}H_{15}ON_4$  2) **2- $\beta$ -Oxynaphthylazo-4-Methylphenyl]benzimidazol.** HCl (B. 31, 323). — IV, 1491.  
 3) **5,7-Anhydrid d. 5-Amido-10-Acetylamido- $\alpha\beta$ -Naphthonenazin-7-Phenoxyhydrat** (B. 31, 3081).
- $C_{14}H_{15}ON_6$  C 70,9 — H 4,4 — O 3,9 — N 10,7 — M. G. 406.  
 1) **Hexaazoxobenzol.** Sm. 206° u. Zers. (B. 20, 362; M. 7, 129). — IV, 1336, 1350.
- $C_{14}H_{15}OBr_2$  1) **?-Dibrom-4-Keto-1,2,6-Triphenyl-1,2,3,4-Tetrahydrobenzol.** Sm. 218° (A. 281, 73). — III, 263.  
 2) isom. **?-Dibrom-4-Keto-1,2,6-Triphenyl-1,2,3,4-Tetrahydrobenzol.** Sm. 175° (A. 281, 73). — III, 263.
- $C_{14}H_{15}O_2N_2$  C 78,7 — H 4,9 — O 8,7 — N 7,6 — M. G. 366.  
 1)  **$\beta\beta$ -Dibenzoyl- $\alpha$ -[2-Naphthyl]hydrazin.** Sm. 162—163° (A. 253, 27). — IV, 930.  
 2) **Diphenyläther d. 2,2'-Dioxyazobenzol.** Sm. 168—169° (B. 29, 1448). — IV, 1405.  
 3) **Diphenyläther d. 4,4'-Dioxyazobenzol.** Sm. 149,5—150° (B. 29, 1446). — IV, 1406.  
 4) **2,3-Diketo-1,4-Di[1-Naphthyl]hexahydro-1,4-Diazin.** Sm. 281—283° (B. 25, 2948). — II, 611.  
 5) **2,3-Diketo-1,4-Di[2-Naphthyl]hexahydro-1,4-Diazin.** Sm. oberh. 360° (B. 25, 2949). — II, 620.  
 6) **2,5-Diketo-1,4-Di[1-Naphthyl]hexahydro-1,4-Diazin.** Sm. 274—275° (B. 23, 2006; 25, 2295; J. pr. [2] 40, 437). — II, 613.  
 7) **2,5-Diketo-1,4-Di[2-Naphthyl]hexahydro-1,4-Diazin.** Zers. oberh. 360° (B. 23, 2006). — II, 621.  
 8) **Aethyläther d. 9-Oxysindolin[5].** Sm. 269° (B. 31, 2484).  
 9) **1,1-Dinaphthylamid d. Fumarsäure** (B. 24, 2003). — II, 612.  
 10) **Verbindung** (aus Diazobenzonitril) (A. 137, 79, 81). — IV, 1515.
- $C_{14}H_{15}O_2N_4$  C 73,1 — H 4,6 — O 8,1 — N 14,2 — M. G. 394.  
 1) **4,4'-Di[4-Oxyphenylazo]biphenyl** (B. 27, 3360). — IV, 1418.  
 2) **Acetat d. 2,4-Di[Phenylazo]-1-Oxynaphthalin.** Sm. 159—160° (B. 24, 1595). — IV, 1433.  
 3) **Verbindung** (aus Cinnamylphenylazimid). Sm. 248° (Soc. 61, 285). — IV, 671.
- $C_{14}H_{15}O_2S$  1) **Biphenylsulfon.** Sm. 214—216° (B. 13, 387). — II, 895.
- $C_{14}H_{15}O_3N_2$  C 75,4 — H 4,7 — O 12,6 — N 7,3 — M. G. 382.  
 1) **3-Keto-1,4-Dibenzoyl-5-Methyl-2-Phenyl-2,3-Dihydropyrazol.** Sm. 157° (A. 266, 127). — IV, 550.  
 2) **Tribenzoylmelamin.** Sm. 275° u. Zers. (J. pr. [2] 13, 282; [2] 42, 102). — II, 1173.  
 3) **Azin** (aus o-Toluylendiamin u. Acetyl methylmorpholinon). Sm. 212° (B. 31, 53).  
 4) **Hydrobenzamidtrialdehyd** (B. 18, 575). — III, 93.  
 5) **Verbindung** (aus Traubensaurem  $\alpha$ -Naphthylamin). Sm. noch nicht bei 330° (B. 28, 2721).  

$C_{14}H_{15}O_3N_6$  C 65,8 — H 4,1 — O 10,9 — N 19,2 — M. G. 438.  
 1) **1,3,5-Tri[Phenylnitrosamido]benzol.** Sm. 264—265° (G. 20, 343). — IV, 1125.  
 2) **2,4,6-Triphenylazo-1,3,5-Trioxybenzol.** Sm. oberh. 300° (Soc. 71, 1154). — IV, 1451.

$C_{14}H_{15}O_4N_2$  C 72,4 — H 4,5 — O 16,1 — N 7,0 — M. G. 398.  
 1) **3,5-Diketo-2-Benzoyl-4-[ $\alpha$ -Oxybenzyliden]-1-[4-Methylphenyl]tetrahydropyrazol.** Sm. 133° (B. 30, 1022). — IV, 808.  
 2) **1-Phenylamido-2,5-Diphenylpyrrol-3,4-Dicarbonsäure + H<sub>2</sub>O.** Sm. 154° (A. 293, 109). — IV, 1037.  
 3) **Aethyllester d. Dioximidophthalimidecarbonsäure.** Sm. 263—264° (B. 17, 1393). — II, 1916.  
 4) **Phenylimonohydrazid d. Pulvinsäure.** Sm. 201—202°. NH<sub>4</sub>, Ca, Phenylhydrazinsalz (A. 282, 36). — IV, 725.

$C_{14}H_{15}O_4N_4$  C 67,6 — H 4,2 — O 15,0 — N 13,1 — M. G. 426.  
 1) **4,4'-Di[2-Nitrophenylamido]biphenyl.** Sm. 240° (B. 22, 904). — IV, 963.  
 2) **4,4'-Di[2,4-Dioxyphenylazo]biphenyl** (B. 22, 3015). — IV, 1446.

- $C_{11}H_{10}O_4Cl_2$  1) Dibenzosäure d. Dichlornaphthydryenglykol. Sm. 148—150° (B. 18, 208). — II, 185.
- $C_{11}H_{10}O_4Br_2$  1)  $\alpha$ , $\beta$ -Laktion d.  $\gamma$ -Tetrabrom- $\alpha$ -, $\beta$ -, $\gamma$ -, $\delta$ -Trioxytriphenylmethan- $\alpha'$ , $\beta'$ -Diiäthyläther- $\gamma$ -Carbonsäure (Diäthyläther d. laktoiden Phenolphthalein). Sm. 175° (B. 30, 179).
- 2) Aethylätheräthylester d. chinoïden Tetrabromphenolphthalein. Sm. 150—151° (B. 30, 178).
- $C_{14}H_{10}O_4S$  1) Diacetat d. Di[2-Oxynaphthyl]- $\beta$ -Sulfid. Sm. 147—148° (B. 27, 3001).  
2) Diacetat d. Di[2-Oxynaphthyl]- $\beta$ -Sulfid. Sm. 154° (B. 27, 2545). — II, 986.  
3) Diacetat d. Di[2-Oxynaphthyl]- $\beta$ -Sulfid. Sm. 193° (B. 27, 2997).
- $C_{14}H_{10}O_4S_2$  1) Diacetat d. Di[2-Oxynaphthyl]- $\beta$ -Disulfid. Sm. 140° (B. 23, 3367). — II, 986.  
2) Diacetat d. Di[2-Oxynaphthyl]- $\beta$ -Disulfid. Sm. 194° (B. 27, 2998).
- $C_{14}H_{10}O_4S_4$  1) Diacetat d. Di[2-Oxynaphthyl]- $\beta$ -Tetrasulfid. Sm. 164° (B. 27, 2997).  
 $C_{14}H_{10}O_4N_2$  1) Phthalidiphenyldiisoparagin (3. Modif.).  $\alpha$ -Modif. + H<sub>2</sub>O Sm. 112° (178 bis 180° wasserfrei);  $\beta$ -Modif. Sm. 203—204°; Ag;  $\gamma$ -Modif. + H<sub>2</sub>O Sm. 193—194°, Ag (G. 16, 10). — II, 1811.
- 2) Verbindung (Säure aus 3-Amidobenzol-1-Carbonsäure). Sm. über 300° u. Zers. (A. 281, 6). — II, 1677.  
3) Verbindung (Säure aus 4-Amidobenzol-1-Carbonsäure). Sm. über 300° u. Zers. (A. 281, 5). — II, 1677.
- $C_{14}H_{10}O_5S_2$  1) Di[3-Phenylsulfonphenyl]äther. Sm. 69—70° (B. 20, 186). — II, 814.
- $C_{14}H_{10}O_5N_2$  1) Hydrobenzamsäid-4-Tricarbonsäure. Ags (B. 19, 576). — III, 93.  
2) Diäthylester d. Triphendioxazinidcarbonsäure. Sm. oherh. 300° (B. 30, 994). — IV, 1083.  
3) Verbindung (aus d. Benzol-1,2-Dicarbonsäuremonaldehyd). Sm. 187° (A. 239, 88). — II, 1625.  
4) Verbindung (aus Piperonal). Sm. 172° (B. 14, 792). — III, 103.  
5) Verbindung (aus Piperonal). Sm. 213° (B. 14, 791). — III, 103.
- $C_{14}H_{10}O_6N_6$  1) 2,4,6-Trinitro-1,3,5-Tri[Phenylamido]benzol. Sm. 238° (Am. 10, 290). — IV, 1125.
- $C_{14}H_{10}O_6Br$  1) Hexabromhomopterocepin (A. ch. [6] 17, 117). — III, 673.
- $C_{14}H_{10}O_6S$  1) 1,3,5-Triphenylbenzol- $\beta$ -Disulfonsäure. Ba (B. 23, 2536). — II, 300.
- $C_{14}H_{10}O_6S_2$  1) 3,4-Methylenäther d.  $\alpha$ -Trithio-3,4-Dioxybenzaldehyd (Trithiopiperonal). Sm. 183° (B. 29, 146). — III, 103.  
2) 3,4-Methylenäther d.  $\beta$ -Trithio-3,4-Dioxybenzaldehyd. Sm. 236° (B. 29, 147). — III, 103.
- $C_{14}H_{10}O_6S_4$  1) Verbindung (aus Diphenylsulfondisulfonsäure). Sm. 192—193° (B. 10, 3127). — II, 815.
- $C_{14}H_{10}O_6N_2$  1) C 64,6 — H 4,0 — O 25,1 — N 6,3 — M. G. 446.  
2) Triacetat d. Trioxypyrenylaposafranon. Sm. 220—225° (B. 31, 2439).
- $C_{14}H_{10}O_6S_3$  1) Diphenylester d. Diphenylsulfon- $\beta$ -Disulfonsäure. Sm. 131—132° (J. pr. [2] 47, 373). — II, 840.
- $C_{14}H_{10}O_6Br_2$  1) Tetraacetat d. Dibrombrasilein + H<sub>2</sub>O (B. 23, 1429). — III, 655.
- $C_{14}H_{10}O_6Br_4$  1) Tetraacetat d. Tetrabrombrasiliin. Sm. 220—222° (B. 18, 1141). — III, 654.
- $C_{14}H_{10}O_6S_3$  1) Tribenzolsulfonat d. 1,2,3-Trioxypbenzol. Sm. 140—142° (B. 24, 418). — II, 1012.  
2) Tribenzolsulfonat d. 1,3,5-Trioxypbenzol. Sm. 115—117° (B. 24, 418). — II, 1020.
- $C_{14}H_{10}O_6N_4$  1) C 44,8 — H 2,8 — O 34,9 — N 17,4 — M. G. 642.  
1) Laktion d.  $\alpha$ -Oxy- $\alpha'$ -Hexanitrotetramethylidiamidodiphenyl- $\alpha$ -Phenylmethan- $\alpha'$ -2-Carbonsäure. Tafeln. Zers. bei 230° (A. 206, 99). — II, 1723.
- $C_{14}H_{10}O_6S_2$  1) Anhydrid d. 1,3,5-Trioxypbenzolsulfonsäure (A. 178, 194). — II, 1022.
- $C_{14}H_{10}N_4Cl$  1) Phenylaposafraninchlorid. 2 + PtCl<sub>4</sub> (B. 30, 2625).
- $C_{14}H_{10}N_4S_2$  1) Disulfid d. 4-Merkaptoazobenzol. Sm. 162° (J. pr. [2] 41, 210). — IV, 1411.

- C<sub>24</sub>H<sub>19</sub>ON** C 85,4 — H 5,6 — O 4,7 — N 4,2 — M. G. 337.
- 1)  $\beta$ -[2-Naphthylamido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan]. Sm. 131—132°. HCl (J. pr. [2] 34, 22; B. 26, 1339). — III, 221.
  - 2) 5-Keto-2-[3-Methylbenzyliden]-3,4-Diphenyl-2,5-Dihydropyrrol (m-Xyaldiphenylmaleimidin). Sm. 224—225° (B. 26, 2482). — II, 1729.
  - 3) 1-[4-Isopropylphenyl]phenanthrenoxazol. Sm. 186° (Soc. 39, 225). — III, 446.
  - 4) 2-Methylphenyl-2-Naphthylamid d. Benzolcarbonsäure. Sm. 117—118° (B. 16, 2083). — II, 1168.
  - 5) 4-Methylphenyl-2-Naphthylamid d. Benzolcarbonsäure. Sm. 139° (B. 16, 2080). — II, 1168.
- C<sub>24</sub>H<sub>19</sub>ON<sub>3</sub>** C 78,9 — H 5,2 — O 4,4 — N 11,5 — M. G. 365.
- 1) 2,5-Di[Phenylamido]-1,4-Benzochinonphenylimid. Sm. 202—203° (B. 18, 787; 21, 675, 910; 25, 3574; 31, 1459; A. 262, 247; 273, 118; M. 9, 415). — III, 341.
  - 2) Dimethylamidophenylphenonaphtoxxazin. Sm. bei 275°. HCl (B. 25, 3000; J. 1881, 571). — IV, 1209.
  - 3) Methyläther d. 2-[2-Oxyphenyl]-3-Phenyl-2,3-Dihydro-1,2,4-Naphthoisotriazin. Sm. 167° (Soc. 59, 698). — IV, 1415.
  - 4) Verbindung aus Phenylindulin. Sm. 218° u. Zers. (A. 266, 250). — IV, 1280.
- C<sub>24</sub>H<sub>19</sub>ON<sub>5</sub>** C 73,3 — H 4,8 — O 4,1 — N 17,8 — M. G. 393.
- 1) 4-Acetylamido-1,3-Di[Phenylazo]napthalin. Sm. 265° (B. 21, 3241). — IV, 1401.
  - 2)  $\alpha$ -Acetylaminodiphtalindisazobenzol. Sm. 275° (B. 21, 2146). — IV, 1401.
  - 3)  $\beta$ -Acetylaminodiphtalindisazobenzol. Sm. 206° (B. 21, 2147). — IV, 1401.
  - 4) 3-[2- $\beta$ -Naphtolazobenzyl]-3,4-Dihydro-1,2,3-Benstriazin. Sm. 185° u. Zers. (J. pr. [2] 55, 368). — IV, 1492.
- C<sub>24</sub>H<sub>19</sub>O<sub>2</sub>N** C 81,6 — H 5,4 — O 9,1 — N 3,9 — M. G. 353.
- 1) Benzcyanidin. Sm. 123—124° (Soc. 37, 742). — II, 1157.
  - 2) 2,5-Diphenyl-1-[2-Methylphenyl]pyrrol-3-Carbonsäure. Sm. 226 bis 227° (B. 22, 3085). — IV, 449.
  - 3) 2,5-Diphenyl-1-[4-Methylphenyl]pyrrol-3-Carbonsäure. Sm. 205 bis 206° (B. 22, 3085). — IV, 449.
  - 4) Phenylimid d.  $\beta$ -Truxilläsure. Sm. 180° (B. 26, 836). — II, 1902.
- C<sub>24</sub>H<sub>19</sub>O<sub>2</sub>N<sub>3</sub>** C 75,6 — H 5,0 — O 8,4 — N 11,0 — M. G. 381.
- 1) 2-Oxy-1-[2-Benzoylamidomethylphenyl]azonaphtalin. Sm. 215° (J. pr. [2] 51, 283). — IV, 1437.
  - 2) Methyläther d. 2-Oxyphenylbenzoylhydrazimido- $\beta$ -Naphtalin. Sm. 152—153° (B. 18, 3131). — IV, 1576.
  - 3) Phenanthronitropseudobutylbenzin. Sm. 235—236° (J. pr. [2] 48, 107). — IV, 647.
  - 4) 12-Phenoxyhydrat d. 5-Acetylamido- $\alpha\beta$ -Naphtophenazin. Chlorid, 2 Chlorid + PtCl<sub>6</sub>, Sulfat (A. 290, 263). — IV, 1207.
  - 5) 12-Phenoxyhydrat d. 9-Acetylamido- $\alpha\beta$ -Naphtophenazin. Chlorid, 2 Chlorid + PtCl<sub>6</sub>, Bichromat (B. 31, 3100).
  - 6) Base (aus Anilin u. Muscarinhydrochlorid). HCl (B. 25, 3004). — IV, 1209.
  - 7) 2-[4-Methylphenyl]amido-1-Phenylazonaphtalin-1-Carbonsäure. Sm. 221° (B. 28, 336). — IV, 1462.
  - 8) 2-[4-Methylphenyl]amido-1-Phenylazonaphtalin-1-Carbonsäure. Sm. 245°. Na (B. 28, 336). — IV, 1462.
  - 9) 2-[4-Methylphenyl]amido-1-Phenylazonaphtalin-1-Carbonsäure. Sm. 262°. Na (B. 28, 335). — IV, 1462.
  - 10) 1-Benzolazo-2-Methyl-5-Phenylpyrrol-3-Carbonsäure. Sm. 195° (B. 19, 3162). — IV, 1486.
- C<sub>24</sub>H<sub>19</sub>O<sub>3</sub>N** C 78,0 — H 5,1 — O 13,0 — N 3,8 — M. G. 369.
- 1) Acetyl derivat d. 2-Diphenylamido-1,4-Naphtochinon. Sm. 172—173° (Soc. 37, 642). — III, 376.
  - 2) 1-Benzoyl-2,4,5-Trimethylphenylimid d. Benzol-1,2-Dicarbonsäure. Sm. 181° (B. 17, 1803). — III, 237.

- C<sub>14</sub>H<sub>11</sub>O<sub>2</sub>N<sub>4</sub>** C 67,7 — H 4,5 — O 11,3 — N 16,5 — M. G. 425.  
1) **4-Nitrobenzolazo-1,3-Xyloazo-β-Naphtol**. Sm. 278° (Soc. 43, 434). — IV, 1437.
- C<sub>14</sub>H<sub>11</sub>O<sub>2</sub>N<sub>4</sub>** C 84,5 — H 5,6 — O 19,8 — N 20,5 — M. G. 441.  
1) **2,4-Dinitro-1,3,5-Tri[Phenylamido]benzol**. 2Modif. Sm. 179°. + CHCl<sub>3</sub> (Am. 11, 455; 16, 37; 18, 668). — IV, 1125.
- 2) **7-[4-Acetylaminodiphenyloxydhydrat] d. 10-Nitro-5-Amido-α-β-Naphthonaphazin**. Sm. 250° u. Zers. (B. 31, 3086).
- C<sub>14</sub>H<sub>11</sub>O<sub>3</sub>N** C 71,8 — H 4,7 — O 20,0 — N 3,5 — M. G. 401.  
1) **1-Keto-3,3-Di[P-Acetoxyphenyl]-1,3-Dihydroisoindol** (Diacetat d. Imidophenolphthalein). Sm. 254—256° (G. 24 [1] 76). — II, 1985.
- C<sub>14</sub>H<sub>11</sub>O<sub>6</sub>N** C 69,1 — H 4,6 — O 23,0 — N 3,3 — M. G. 417.  
1) **Verbindung** (aus 3,4-Dioxy-1-[β-Amidoethyl]benzolmethylenäther-2-Carbonsäure). Sm. 148—150° (Soc. 57, 1059). — II, 1764.
- C<sub>14</sub>H<sub>11</sub>O<sub>6</sub>Br**, 1) **Tetracetat d. Tribrombrasilin**. Sm. 145—147° (B. 18, 1140). — III, 654.  
2) **isom. Tetracetat d. Tribrombrasilin**. Sm. 263° (B. 22, 1552). — III, 654.
- C<sub>14</sub>H<sub>11</sub>O<sub>12</sub>N<sub>2</sub>** C 36,3 — H 2,4 — O 24,2 — N 37,1 — M. G. 793.  
1) **Trinitroderivat d. Verb. C<sub>14</sub>H<sub>11</sub>O<sub>12</sub>N<sub>2</sub>**. (B. 27, 942).
- C<sub>14</sub>H<sub>11</sub>N<sub>2</sub>Br** 1) **Phenanthrobromosobutylphenazin** (aus 5-Brom-3,4-Diamido-1-Isobutylbenzol). Sm. 153,5° (B. 21, 2955). — IV, 646.
- C<sub>14</sub>H<sub>11</sub>N<sub>2</sub>J** 1) **Jodphenylat d. Base C<sub>14</sub>H<sub>11</sub>N<sub>2</sub>**. (B. 28, 350).
- C<sub>14</sub>H<sub>11</sub>ON**, 1) **6-Oxy-5-Phenyl-2,4-Dibenzyl-1,3-Diazin**. Sm. 180° (J. pr. [2] 39, 258). — IV, 1089.  
2) **2-Keto-1,4-Di[1-Naphthyl]hexahydro-1,4-Diazin**. Sm. 92° (B. 25, 2934). — II, 613.  
3) **2-Keto-1,4-Di[2-Naphthyl]hexahydro-1,4-Diazin**. Sm. 222—224° (B. 25, 2035). — II, 621.  
4) **2-Keto-4-Methyl-1,3-Di[2-Naphthyl]tetrahydroimidazol** (Propylen-2-Dinaphthylharnstoff). Sm. 157° (B. 25, 3280). — II, 618.  
5) **2-[2-Oxybenzyliden]amido-1-[1-Naphthylamido]methylbenzol**. Sm. 162° (J. pr. [2] 52, 409). — IV, 628.  
6) **2-[Oxybenzyliden]amido-1-[2-Naphthylamido]methylbenzol**. Sm. 117° (J. pr. [2] 52, 412). — IV, 629.  
7) **4-[4-Methylphenyl]imido-P-[4-Methylphenyl]amido-1-Keto-1,4-Dihydronaphthalin**. Sm. 183°. HCl. Pikrat (B. 8, 1025; 13, 125; 17, 715; 21, 394; Soc. 45, 159). — III, 394.  
8) **2-Naphthylamid d. β-[2-Naphthyl]amidocrotonsäure**. Sm. 200° (B. 17, 543). — II, 622.  
9) **Verbindung** (aus Bis-2-Nitroso-1,4-Dimethylnaphthalin). Zers. bei 180° (G. 26 [1] 34).  
10) **Verbindung** (aus Zimmtaldehyd, Anilin u. Brenztraubensäure). Sm. 194° (B. 22, 3007). — IV, 459.
- C<sub>14</sub>H<sub>11</sub>ON<sub>4</sub>** C 75,8 — H 5,3 — O 4,2 — N 14,7 — M. G. 380.  
1) **4,4'-Di[Phenylamido]azoxybenzol**. Sm. 173° (B. 21, 2614). — IV, 1398.  
2) **P-Di[4-Methylphenylazo]-1-Oxynaphthalin**. Sm. 205—206° (B. 28, 1895). — IV, 1437.  
3) **5-[2-Methylphenyl]azo-2-[2-Oxy-1-Naphthyl]azo-1-Methylbenzol**. Sm. 186° (B. 20, 1182). — IV, 1437.  
4) **3-[4-Methylphenyl]azo-4-[2-Oxy-1-Naphthyl]azo-1-Methylbenzol**. Sm. 177° (B. 20, 1179). — IV, 1437.  
5) **3-[4-Methylphenyl]azo-4-[4-Oxy-1-Naphthyl]azo-1-Methylbenzol**. Sm. 210° (B. 20, 1178). — IV, 1437.  
6) **Aethyläther d. 2,4-Di[Phenylazo]-1-Oxynaphthalin**. Sm. 121° (B. 24, 1595). — IV, 1439.  
7) **α-Phenyl-β-[4-Methylphenyl]-β-[2-Naphthyl]azoharnstoff**. Sm. 110° (B. 21, 2568). — IV, 1575.  
8) **Diphenylhydrazen d. 8-Aldehyd d. Naphthalin-1,8-Dicarbonsäure**. Sm. 213° (A. 276, 16). — II, 1694.
- C<sub>14</sub>H<sub>11</sub>OAs<sub>2</sub>**, 1) **Diphenylarsenoxyd**. Sm. 91—92° (B. 15, 1954; A. 201, 229). — IV, 1687.

- C<sub>14</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>** C 78,3 — H 5,4 — O 8,7 — N 7,6 — M. G. 368.  
 1) Methylenäther d. *o*-Phenylhydrazon-*o*-[3,4-Dioxyphenyl]-*o*- $\gamma$ -Pentadien. Sm. 49—50° (B. 28, 1194). — IV, 778.  
 2) 4,4'-Difuralamido-3,3'-Dimethylbiphenyl. Sm. 188—189° (192°) (B. 30, 2013, 2302; A. 258, 378). — IV, 982.  
 3) *P*-Di[Acetyl amido]binaphthyl. Sm. oberh. 200° (B. 18, 3256). — IV, 1073.  
 4) *P*-Di[Acetyl amido]-1,1-Binaphthyl. Sm. oberh. 300° (B. 19, 2551). — IV, 1073.  
 5) Dimethyläther d. Di[2-Oxy-1-Naphtylidene]hydrasin. Sm. 265° (Bl. [3] 17, 310).  
 6) Dimethyläther d. Di[4-Oxy-1-Naphtylidene]hydrasin. Sm. 185° (Bl. [3] 17, 307).  
 7) Diäthyläther d. Dioxybiphenylenchinoxalin. Sm. 260° (B. 23, 1212). — III, 445.  
 8) Chinolinresorcin. Sm. 102° (B. 16, 886). — IV, 253.  
 9) Chinolinhydrochinon (B. 16, 886). — IV, 253.  
 10) 1,1-Dinaphthylamid d. Bernsteinsäure. Sm. 285° u. Zers. (275°) (A. 209, 382; B. 10, 1713; C. 1896 [1] 109). — II, 612.  
 11) 2,2-Dinaphthylamid d. Bernsteinsäure. Sm. 266° (264°) (B. 25, 3268; C. 1896 [1] 996). — II, 620.  
 12) Phenylamidoimid d.  $\beta$ -Truxillsäure. Sm. 213° (B. 26, 837). — IV, 712.  
 13) Phenylamidoimid d.  $\gamma$ -Truxillsäure. Sm. 249° (B. 27, 1412). — IV, 712.  
**C<sub>14</sub>H<sub>20</sub>O<sub>2</sub>N<sub>4</sub>** C 72,7 — H 5,0 — O 8,1 — N 14,1 — M. G. 396.  
 1) *s*-1,2-Naphthylenphthalimidoimid (B. 22, 1377). — IV, 919.  
 2) 2- $\beta$ -Naphtholazo-1-[2-Methylphenylnitrosamido]methylbenzol. Sm. 147—148° (J. pr. [2] 55, 375). — IV, 1436.  
 3) 4-[2-Methylphthalimido]azo-5-Phenyl-1,2-Methylphenyl]pyrazol-3-Carbonsäure. Sm. 179° (B. 26, 1884). — IV, 1491.  
**C<sub>14</sub>H<sub>20</sub>O<sub>3</sub>N<sub>2</sub>** C 75,0 — H 5,2 — O 12,5 — N 7,3 — M. G. 384.  
 1) Di[5-Phenylimidomethyl-2-Methyl-4-Furanyl]äther. Sm. 124° (B. 28 [2] 787).  
 2) Anhydrid d. 1-Naphthylamidoessigsäure. Sm. 273° (B. 22, 1808; 25, 2293). — II, 613.  
 3) 1-Naphthylmonamid d. 1-Naphthylimidodiessigsäure. Sm. 197—199° (B. 23, 2005). — II, 613.  
 4) 1,1-Dinaphthylamid d. Äpfelsäure. Sm. 205° (B. 23, 2046). — II, 612.  
 5) 2,2-Dinaphthylamid d. Äpfelsäure. Sm. 260—263° (B. 23, 2047). — II, 620.  
**C<sub>14</sub>H<sub>20</sub>O<sub>3</sub>Br<sub>4</sub>** 1) Diäthyläther d. Tetrabromrosolsäure. Sm. 110—115° (B. 17, 1627). — II, 1122.  
**C<sub>14</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>** C 72,0 — H 5,0 — O 16,0 — N 7,0 — M. G. 400.  
 1)  $\alpha$ - $\beta$ -Di[Benzoylamido]- $\alpha$ - $\beta$ -Di[2-Furyl]äthan.  $\alpha$ -Derivat Sm. oberh. 300°;  $\beta$ -Derivat Sm. 246° (B. 17, 2410). — III, 693.  
 2) 1-Naphthylamid d. Weinsäure. Sm. 214° (210°) (A. 279, 148; B. 27 [2] 514; C. 1896 [1] 109).  
 3) 2-Naphthylamid d. Weinsäure. Sm. 280° (264—265°) (A. 279, 150; C. 1896 [1] 996).  
**C<sub>14</sub>H<sub>20</sub>O<sub>4</sub>Cl** Dibenzocat d. 3,6-Dichlor-2,5-Dioxy-4-Isopropyl-1-Methylbenzol. Sm. 190—191° (B. 15, 658). — II, 1151.  
**C<sub>14</sub>H<sub>20</sub>O<sub>4</sub>Br**, 1) Verbindung (aus 1,4-Di[Brommethyl]benzol). Sm. 80° (B. 18, 2073). — III, 93.  
**C<sub>14</sub>H<sub>20</sub>O<sub>5</sub>Si** 1) Tetraphenylkieselsäure. Sm. 47—48°; Sd. 417—420° (B. 16, 1252; 18, 1679; Ann. 14, 545). — II, 661.  
**C<sub>14</sub>H<sub>20</sub>O<sub>5</sub>N<sub>2</sub>** C 69,5 — H 4,8 — O 19,2 — N 6,7 — M. G. 416.  
 1) Verbindung (aus 3-Amido-1-Methylbenzol-4-Carbonsäure). Sm. noch nicht 350° (B. 27, 1401). — II, 1352.  
**C<sub>14</sub>H<sub>20</sub>O<sub>5</sub>N<sub>5</sub>** C 45,0 — H 3,1 — O 12,5 — N 39,4 — M. G. 640.  
 1) Verbindung (aus Aceton) (B. 27, 940).  
**C<sub>14</sub>H<sub>20</sub>O<sub>6</sub>B<sub>2</sub>** 1) Tetracyclidiborat. Fl. (A. Spt. 5, 206). — II, 658.  
**C<sub>14</sub>H<sub>20</sub>O<sub>6</sub>N<sub>2</sub>** C 66,7 — H 4,6 — O 22,2 — N 6,5 — M. G. 432.  
 1) Tetracyclidingelbweiss. Sm. 258° u. Zers. (B. 24, 4134). — II, 1623.  
 2) 1,4-Xylylendiphthalaminsäure. Zers. bei 279°. Ag<sub>2</sub> (B. 28, 2992). — IV, 644.  
 3) Diacetat d. Cotoinasobenzol. Sm. 155—156° (Soc. 71, 1150). — IV, 1479.



- C<sub>24</sub>H<sub>31</sub>O<sub>2</sub>N** C 81,1 — H 5,9 — O 9,0 — N 3,9 — M. G. 355.  
 1) 3,5-Dicinnamyl-2,4-Dimethylpyrrol. Sm. 215—216° (G. 23 [2] 302). — IV, 102.
- 2) 1-Acetyl-5-Keto-2,4,4-Triphenyltetrahydropyrrol. Sm. 105° (Soc. 57, 695). — IV, 470.
- 3) 1-Acetyl-2-Keto-3,3-Di[ $\beta$ -Methylphenyl]-2,3-Dihydroindol (Acetyl-toluisatin) (B. 18, 2639). — II, 1618.
- 4) 4-Oximido-1-Oxy-1,2,6-Triphenyl-1,2,3,4-Tetrahydrobenzol. Sm. 233—234° (B. 26, 67). — III, 264.
- 5) Aethylester d. 2-Methyl-5-Phenyl-1-[2-Naphthyl]pyrrol-3-Carbon-säure. Sm. 115° (B. 18, 2598). — IV, 357.
- C<sub>24</sub>H<sub>21</sub>O<sub>2</sub>N<sub>3</sub>** C 75,2 — H 5,5 — O 8,4 — N 10,9 — M. G. 383.  
 1) Oxalyltri[2-Methylphenyl]guanidin. Sm. 179° (B. 12, 1858). — II, 467.
- 2) 8-Nitro-6-Pseudobutyl-2,3-Diphenyl-1,4-Benzodiazin. Sm. 195—196° (J. pr. [2] 48, 107). — IV, 647.
- C<sub>14</sub>H<sub>21</sub>O<sub>2</sub>N** C 77,6 — H 5,6 — O 12,9 — N 3,8 — M. G. 371.  
 1) Phenylmonamid d.  $\beta$ -Truxillsäure ( $\beta$ -Truxillanilidsäure). Sm. 197°. Ba (B. 26, 837). — II, 1902.
- 2) Phenylmonamid d.  $\gamma$ -Truxillsäure. Sm. 220° (B. 26, 838). — II, 1903.
- C<sub>24</sub>H<sub>21</sub>O<sub>3</sub>N<sub>3</sub>** C 72,2 — H 5,3 — O 12,0 — N 10,5 — M. G. 399.  
 1) 1,3,5-Tribenzoylhexahydro-1,3,5-Triazin. Sm. 220—221° (A. 288, 248; B. 28, 938).  
 2) Tri[2-Methylphenyl]cyanurat. Sm. 152° (B. 20, 2237). — II, 798.  
 3) Tri[3-Methylphenyl]cyanurat. Sm. 225° (B. 20, 2238). — II, 744.  
 4) Tri[4-Methylphenyl]cyanurat. Sm. 207° (B. 20, 2238). — II, 750.  
 5) Benzylcyanurat. Sm. 157°; Sd. über 320° (B. 3, 518; 5, 93). — II, 525.
- 6) 4-Methylphenylisocyanurat. Sm. 265° (B. 21, 412). — II, 494.
- C<sub>21</sub>H<sub>21</sub>O<sub>3</sub>N<sub>3</sub>** C 63,3 — H 4,6 — O 10,6 — N 21,5 — M. G. 455.
- C<sub>24</sub>H<sub>21</sub>O<sub>4</sub>N** C 74,4 — H 5,4 — O 16,5 — N 3,6 — M. G. 387.  
 1) 1-Benzoyl-2,4,5-Trimethylphenylmonamid d. Benzol-1,2-Dicarbon-säure + H<sub>2</sub>O. Sm. 195° (B. 17, 2673). — III, 297.
- C<sub>24</sub>H<sub>21</sub>O<sub>4</sub>Cl** Dibenzozat d. 6-Chlor-2,5-Dioxy-4-Isopropyl-1-Methylbenzol. Sm. 116—118° (B. 15, 658). — II, 1151.
- C<sub>24</sub>H<sub>21</sub>O<sub>5</sub>N** C 71,4 — H 5,2 — O 19,8 — N 3,5 — M. G. 403.  
 1) Diacetat d. Verb. <sub>20</sub>C<sub>21</sub>H<sub>21</sub>O<sub>4</sub>N (aus Phenolphthaleinoxim). Sm. 205—206° (M. 17, 437).
- C<sub>24</sub>H<sub>21</sub>O<sub>5</sub>N<sub>2</sub>** 1) Benzoylfurfurin P Sm. 290° u. Zers. (J. pr. [2] 27, 317). — III, 722.  
 C 68,7 — H 5,0 — O 22,9 — N 3,4 — M. G. 419.
- C<sub>24</sub>H<sub>21</sub>O<sub>6</sub>N<sub>2</sub>** 1) Phenylamid d. Carbousninsäure. Sm. 170—171° (G. 12, 247). — II, 2057.
- C<sub>24</sub>H<sub>21</sub>O<sub>6</sub>N<sub>3</sub>** C 64,4 — H 4,7 — O 21,5 — N 9,4 — M. G. 447.
- 1) Tribenzoat d. 1,3,5-Trioxyhexahydro-1,3,5-Triazin. Sm. 168,5° (159°) (B. 29 [2] 650; Soc. 73, 358).
- C<sub>24</sub>H<sub>21</sub>O<sub>7</sub>N<sub>2</sub>** C 62,2 — H 4,5 — O 24,2 — N 9,1 — M. G. 463.  
 1) Retenpikrat. Sm. 123—124° (J. 1858, 440; A. 185, 80). — II, 276.
- C<sub>24</sub>H<sub>21</sub>O<sub>7</sub>Br** Tetracetat d. Brombrasillin. Sm. 203—204° (B. 17, 685). — III, 653.
- C<sub>24</sub>H<sub>21</sub>N<sub>2</sub>Br** 1) 8-Brom-6-Isobutyl-2,3-Diphenyl-1,4-Benzodiazin. Sm. 172° (B. 21, 2956). — IV, 646.
- C<sub>24</sub>H<sub>21</sub>N<sub>2</sub>S<sub>3</sub>** 1) Tri[4-Methylphenyl]trithiocyanurat. Sm. 114° (J. pr. [2] 33, 120). — II, 497.
- C<sub>24</sub>H<sub>21</sub>N<sub>4</sub>Cl** 1) 12-Chlorphenylat d. 9-Amido-10-Dimethylamido- $\alpha\beta$ -Naphthophen-azin. 2 + PtCl<sub>6</sub> (B. 31, 3102—3105).
- C<sub>24</sub>H<sub>21</sub>ON** C 81,4 — H 6,2 — O 4,5 — N 7,9 — M. G. 354.  
 1) Nitril d.  $\delta$ -[4-Methylphenyl]amido- $\gamma$ -Oxy- $\alpha\beta$ -Diphenyl- $\alpha$ -Buten- $\delta$ -Carbonsäure. Sm. 175° u. Zers. (B. 31, 2719).  
 2) 4-Methylphenylamid d.  $\gamma$ -[4-Methylphenyl]imido- $\alpha$ -Phenylpropen- $\gamma$ -Carbonsäure. Sm. 204—205° (A. 242, 295). — IV, 448.
- C<sub>24</sub>H<sub>21</sub>ON<sub>4</sub>** C 75,4 — H 5,7 — O 4,2 — N 14,7 — M. G. 382.  
 1) 12-Phenoxydhydrat d. 9-Amido-10-Dimethylamido- $\alpha\beta$ -Naph-phenasin. 2 Chlorid + PtCl<sub>6</sub>. Nitrat, Bichromat (B. 31, 3102).
- C<sub>24</sub>H<sub>21</sub>O<sub>2</sub>N<sub>2</sub>** C 77,8 — H 5,9 — O 8,6 — N 7,6 — M. G. 370.  
 1) Bis-2-Nitroso-1,4-Dimethylnaphthalin. Sm. 174—175° (G. 28 [1] 32).

- $C_{14}H_{12}O_2N_2$  2) 4,4'-Diäthylphthalylidamido biphenyl. Sm. 250° u. Zers. (A. 258, 363). — IV, 967.  
 3) 4-Benzoylamido-3-Methyl-6-Isopropyl-1-Phenylbenzoxazol. Sm. 174–175° (B. 20, 142; 25 [2] 402). — II, 1148.  
 4) 1,3-Dibenzoyl-2,4-Dimethyl-1,2,3,4-Tetrahydro-1,3-Benzodiazin. Sm. 155° (B. 26, 1385). — IV, 863.  
 5)  $\alpha$ -1,4-Diacetyl-2,3-Diphenyl-1,2,3,4-Tetrahydro-1,4-Benzodiazin. Sm. 170° (B. 27, 2184). — IV, 1065.  
 6)  $\beta$ -1,4-Diacetyl-2,3-Diphenyl-1,2,3,4-Tetrahydro-1,4-Benzodiazin. Sm. 192,5° (B. 27, 2185). — IV, 1065.  
 7) Diäthyläther d. 5,8-Dioxy-2,3-Diphenyl-1,4-Benzodiazin. Sm. 163° (B. 23, 1212). — III, 285.
- $C_{14}H_{12}O_2S$  1) Diäthyläther d. Di[1-Oxynaphthyl]- $\beta$ -Sulfid. Sm. 153° (B. 27, 2545). — II, 985.  
 2) Diäthyläther d. Di[2-Oxynaphthyl]- $\beta$ -Sulfid. Sm. 195° (189°) (B. 23, 3356; 27, 2546). — II, 986.
- $C_{14}H_{12}O_2S$  1) Diäthyläther d. Di[2-Oxynaphthyl]- $\beta$ -Disulfid. Sm. 158,5° (B. 23, 3367). — II, 986.
- $C_{14}H_{12}O_2Se$  1) Diäthyläther d. Di[2-Oxynaphthyl]selenid. Sm. 176° (B. 30, 2824).
- $C_{14}H_{12}O_2N$ ,  
 1) Di[5-Phenylhydrazonmethyl-2-Methyl-4-Furanyl]äther. Sm. 139° (B. 28 [2] 787).  
 $C_{14}H_{12}O_2N_4$  C 69,6 — H 5,3 — O 11,6 — N 13,5 — M. G. 414.  
 1) Paracotoinphenylhydrazid. Sm. 200–201° (G. 23 [2] 200). — III, 640.  
 $C_{14}H_{12}O_2N_2$  C 71,6 — H 5,5 — O 15,9 — N 7,0 — M. G. 402.  
 1) Paracotoinanilid. Sm. 162° (G. 23 [2] 201). — III, 640.  
 2) Phenylhydrazon d. Mekoninmethylphenylketon. Sm. 143–144° (M. 13, 667). — II, 2022.  
 3) Di[Phenylamidoformiat] d. 2,3-Dioxy-1,2,3,4-Tetrahydronaphthalin. Sm. 148–150° (A. 288, 99).  
 $C_{14}H_{12}O_2N_4$  C 67,0 — H 5,1 — O 14,9 — N 13,0 — M. G. 430.  
 1) Diacetat d. 4,4'-Bi[5-Oxy-3-Methyl-1-Phenylpyrazol]. Sm. 132 bis 134° (B. 29, 1659). — IV, 1263.  
 2) Diäthylester d.  $\beta$ -Diphenylsobenzol-1,4-Dicarbonsäure. Sm. 126° (B. 24, 2693). — IV, 1475.
- $C_{14}H_{12}O_2S$ ,  
 1) Verbindung (aus Rubbadin). Zers. über 200° (B. 25, 1883). — II, 658.  
 $C_{14}H_{12}O_2N_2$  C 68,9 — H 5,3 — O 19,1 — N 6,7 — M. G. 418.  
 1) Aethylidendichinoxinsäure. Sm. 206°.  $Na_x + xH_2O$ , Ag. (A. 270, 356). — IV, 347.  
 $C_{14}H_{12}O_6N_2$  C 66,3 — H 5,1 — O 22,1 — N 6,5 — M. G. 434.  
 1)  $\beta$ -Diphenyldiurethan d. 3,4-Dioxy-1-[ $\gamma$ -Dioxypropyl]benzol-3,4-Methylenäther. Sm. 127° (B. 24, 2882). — II, 1117.  
 2) Diäthylester d. 3,6-Di Phenylamido-1,4-Diketo-1,4-Dihydrobenzol-2,5-Dicarbonsäure. Sm. 246° (B. 20, 1312). — II, 2009.
- $C_{14}H_{12}O_6N_4$  C 62,3 — H 4,8 — O 20,8 — N 12,1 — M. G. 462.  
 1) Diäthylester d. 4,4'-Bi[5-Keto-1-Phenyl-4,5-Dihydropyrazol]-3,3'-Dicarbonsäure. Zers. bei 272° (Soc. 69, 1396). — IV, 707.
- $C_{14}H_{12}O_6N_{10}$  C 43,8 — H 3,3 — O 14,6 — N 38,3 — M. G. 658.  
 1) Verbindung (aus Aceton) (B. 27, 940).  
 $C_{14}H_{12}O_2N_2$  C 64,0 — H 4,9 — O 24,9 — N 6,2 — M. G. 450.  
 1) Methylenchinninoxinsäure. Sm. 282°.  $Ag_x$  (A. 276, 270). — IV, 362.  
 2) Phenylhydrazonderivat d. 2-Acetyl-1,4-Diketoheptahydrobenzol-3,6-Dicarbonsäure (oder  $C_{14}H_{14}O_6N_2$ ). Sm. 207–207,5° (B. 25, 334). — IV, 727.
- $C_{14}H_{12}O_2N_4$  C 60,2 — H 4,6 — O 23,4 — N 11,7 — M. G. 478.  
 $C_{14}H_{12}O_6Cl_2$  1) Dibenzoot d. 3,6-Dichlor-2,5-Dimethoxy-1,4-Benzochinondimethyl-hemiacetal. Sm. 193° (Am. 17, 643). — III, 350.
- $C_{14}H_{12}O_6Br_{14}$  1) Verbindung (aus Xanthogallol). Sm. 113° (A. 245, 339). — II, 1014.
- $C_{14}H_{12}O_2N_2$  C 54,3 — H 4,2 — O 36,2 — N 5,3 — M. G. 530.  
 1) Asoopianhydroacetat. Sm. 210° (J. pr. [2] 55, 182).  
 2) Azomekoninessigsäure. Sm. 257° u. Zers. (B. 20, 880). — IV, 1475.
- $C_{14}H_{12}O_2Br_4$  Tetraacetat d. Hexabromkolatannin (C. 1898 [1] 579).
- $C_{14}H_{12}N_2S$  1) 1-Naphthylamido-1-Naphthylimidomethylpropylsulfid. Sm. 95° (2HCl, PtCl<sub>4</sub>) (B. 21, 966). — II, 610.

- C<sub>24</sub>H<sub>22</sub>N<sub>2</sub>S** 2) **2-Naphylamido-2-Naphylimidomethylpropylsulfid.** Sm. 65°—66°. (2HCl, PtCl<sub>4</sub>) (B. 21, 968). — II, 619.
- C<sub>24</sub>H<sub>22</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Thiosulfanilin = (2,2'-Diamidodiphenyldisulfid).** Sm. bei 100° (B. 4, 392; 27, 2808). — II, 805.
- C<sub>24</sub>H<sub>23</sub>ON** C 84,5 — H 6,7 — O 4,7 — N 4,1 — M. G. 341.
- 1) **2-Keto-1-Aethyl-3,3-Di[<sup>2</sup>-Methylphenyl]-2,3-Dihydroindol (Aethyltoluisatin).** Sm. 104° (B. 18, 2640). — II, 1618.
- C<sub>24</sub>H<sub>23</sub>O<sub>2</sub>N<sub>2</sub>** C 80,7 — H 6,4 — O 9,0 — N 3,9 — M. G. 357.
- 1) **Aethylamid d.  $\alpha$ -Diphenyl- $\beta$ -Benzoylpropionsäure.** Sm. 128°—130° (Soc. 57, 702). — II, 1726.
- C<sub>24</sub>H<sub>23</sub>O<sub>2</sub>N<sub>2</sub>** C 74,8 — H 6,0 — O 8,3 — N 10,9 — M. G. 385.
- 1) **Diäthyläther d. 1-Amido-4-Oxy-2-[4-Oxy-2-Naphtyl]azonaphthalin.** Sm. 175°. HCl (B. 25, 3065). — IV, 1426.
- C<sub>24</sub>H<sub>23</sub>O<sub>2</sub>N<sub>2</sub>** C 69,7 — H 5,6 — O 7,7 — N 17,0 — M. G. 413.
- 1) **Phenylimid d.  $\alpha$ -Phenylhydrazonpropionsäure.** Sm. 169° (B. 21, 2925). — IV, 689.
- C<sub>24</sub>H<sub>23</sub>O<sub>2</sub>N** C 77,2 — H 6,2 — O 12,9 — N 3,7 — M. G. 373.
- 1) **Dibenzoylpseudoephedrin.** Sm. 119—120° (B. 22, 1826). — III, 881.
- 2) **Benzoat d.  $\delta$ -Benzoylamido-3-Oxy-4-Isopropyl-1-Methylbenzol.** Sm. 166—167° (G. 25 [2] 389).
- 3) **Aethylester d.  $\beta$ -Phenylamido- $\alpha$ -Benzoyl- $\beta$ -Phenylpropionsäure.** Sm. 101° (B. 31, 607).
- 4) **Aethylester d.  $\gamma$ -Phenylamido- $\alpha$ -Oxy- $\alpha$ -Diphenylpropen- $\beta$ -Carbonsäure.** Sm. 122° (B. 31, 608).
- C<sub>24</sub>H<sub>23</sub>O<sub>2</sub>N<sub>2</sub>** C 71,8 — H 5,7 — O 12,0 — N 10,5 — M. G. 401.
- 1) **Triphenylamid d. Tricarballylsäure.** Sm. 252° (B. 22, 2922). — II, 422.
- C<sub>24</sub>H<sub>23</sub>O<sub>2</sub>N** C 74,0 — H 5,9 — O 16,4 — N 3,6 — M. G. 389.
- 1) **Benzoylmorphin.** HCl (Soc. 28, 24; A. 294, 215). — III, 900.
- 2) **Diäthyläther d. 4-Dibenzoylamido-1,3-Dioxybenzol.** Sm. 171° (B. 20, 1128). — II, 1180.
- 3) **Diäthylester d.  $\alpha$ -[1-Naphtyl]imido- $\alpha$ -Phenyläthan- $\beta\beta$ -Dicarbonsäure.** Sm. 145,5° (B. 18, 987). — II, 1850.
- 4) **Diäthylester d.  $\alpha$ -[2-Naphtyl]imido- $\alpha$ -Phenyläthan- $\beta\beta$ -Dicarbonsäure.** Sm. 140,5° (B. 18, 986). — II, 1850.
- 5) **Verbindung (aus 3,5-Diketo-1-Phenylhexahydrobenzol).** Sm. 129—131° n. Zers. (J. pr. [2] 43, 392; A. 294, 308). — III, 279.
- C<sub>24</sub>H<sub>23</sub>O<sub>2</sub>N<sub>2</sub>** C 69,1 — H 5,5 — O 15,3 — N 10,1 — M. G. 417.
- 1) **5-Nitro-3,4-Di[Benzoylamido]-1-Pseudobutylbenzol.** Sm. 245—246° (J. pr. [2] 48, 109). — IV, 646.
- 2) **Triphenylamid d. Citronensäure (Citranilid).** (A. 82, 86; 98, 90). — II, 423.
- C<sub>24</sub>H<sub>23</sub>O<sub>2</sub>N<sub>3</sub>** C 64,1 — H 5,1 — O 21,4 — N 9,4 — M. G. 449.
- 1) **Tri[Phenylamidoformiat] d.  $\alpha\beta\gamma$ -Trioxypropan.** Sm. 160—180° (B. 18, 969). — II, 972.
- C<sub>24</sub>H<sub>23</sub>O<sub>2</sub>Br** 1) **Bromhomopteroxarpin (A. ch. [6] 17, 117).** — III, 673.
- C<sub>24</sub>H<sub>23</sub>ON<sub>2</sub>** C 80,9 — H 6,7 — O 4,5 — N 7,9 — M. G. 356.
- 1) **4-Benzylamido-3-Methyl-6-Isopropyl-1-Phenylbenzoxasol.** Sm. 152° (G. 21, 253). — II, 1148.
- 2)  **$\beta$ -[4-Isopropylbenzyliden]hydrazon- $\alpha$ -Oxy- $\alpha$ -Diphenyläthan (Cuminalbenzoïnäzin).** Sm. 117° (J. pr. [2] 52, 225). — III, 225.
- 3) **2 [oder 3] - Dimethylamido-9-[4-Dimethylamidophenyl]-10-Oxyanthracen. +  $\frac{1}{2}$  C<sub>6</sub>H<sub>5</sub>.** (B. 3 [2] 15, 755).
- 4) **Leukophthalgrün.** Sm. 235—236° (A. 206, 108). — II, 1723.
- 5) **4-Isopropylbenzylidenamid d.  $\alpha$ -Phenylamido- $\alpha$ -Phenylessigsäure.** Sm. 220° (B. 31, 2702).
- 6) **isom. 4-Isopropylbenzylidenamid d.  $\alpha$ -Phenylamido- $\alpha$ -Phenylessigsäure.** Sm. 198° (B. 31, 2704).
- C<sub>24</sub>H<sub>23</sub>ON<sub>4</sub>** C 75,0 — H 6,2 — O 4,2 — N 14,6 — M. G. 384.
- 1) **Acetyl- $\alpha$ -Diäthylphenoferanin.** (2HCl, PtCl<sub>4</sub>) (B. 16, 471). — IV, 1284.
- C<sub>24</sub>H<sub>23</sub>O<sub>2</sub>N<sub>2</sub>** C 77,4 — H 6,4 — O 8,6 — N 7,5 — M. G. 372.
- 1) **1,3-Di[Acetyl-4-Methylphenylamido]benzol.** Sm. 176° (J. pr. [2] 33, 221). — IV, 573.

- $C_{14}H_{14}O_2N_2$ , 1) 1,4-Di-Acetyl-2-Methylphenylamido-benzol. Sm. 139° (J. pr. [B] 34, 98). — IV, 559.  
 2) 1,4-Di-Acetyl-4-Methylphenylamido benzol. Sm. 172—173° (J. pr. [B] 33, 233). — IV, 559.  
 3) 2-Benzylacetyleamido-1-Phenylacetyleamidomethylbenzol. Sm. 173° (B. 27, 3242). — IV, 628.  
 4) 3-Dimethylamido-9-Oxy-10-Keto-9,10-Dimethylamidophenyl]-9,10-Dihydroanthracen. Sm. 219° (C. 1897 [2] 501).  
 5) Phenylhydrazone d. 3-Methyläther-4-Benzoylmethyläther d. 3,4-Dioxy-1-Allylbenzol (Ph. d. Eugenolacetophenon). Sm. 82° (B. 27, 2461). — IV, 772.  
 6) Phenylhydrazone d. 3-Methyläther-4-Benzoylmethyläther-3,4-Dioxy-1-Propenylbenzol (Ph. d. Isomericacetophenon). Sm. 115,5° (B. 27, 2462). — IV, 772.  
 7) Fatagrün, siehe auch  $C_{12}H_{14}O_2N_2$ . HCl + HCl-ZnCl<sub>2</sub> (A. 206, 107; C. 1897 [2], 542). — II, 1723.  
 8) Lakton d.  $\alpha$ -Oxy- $\alpha'$ -Tetramethyldiamidodiphenyl- $\alpha^2$ -Phenylmethan- $\alpha^1$ 2-Carbonsäure-Tetramethyldiamidodiphenylphthalid. Sm. 190 bis 191°. HCl + 2HCl/2HCl PtCl<sub>4</sub>, Pikrat (A. 206, 92). — II, 1722.  
 9) Di'Aethylphenylamid d. Benzol-1,2-Dicarbonsäure (Aethylanil-phalein). Sm. 140,5—141,5° (A. 227, 17). — II, 1723.  
 10) 4-Isopropylbenzylidenamid d. Benzolcarbonsäure (Cumylenidibenzamid). Sm. 224° (B. 8, 117). — III, 56.  
 $C_{14}H_{14}O_2N_4$ , C 67,3 — H 5,6 — O 7,5 — N 19,6 — M. G. 428.  
 1) Di' $\beta$ -Phenylhydrazoneylamid d. Benzol-1,4-Dicarbonsäure. Sm. 195° u. Zers. (B. 27, 3104). — IV, 747.  
 $C_{14}H_{14}O_2N_2$ , C 74,2 — H 6,2 — O 12,4 — N 7,2 — M. G. 38°.  
 1) Anilin + H<sub>2</sub>O. Sm. 101° (105° wasserfrei). HCl + H<sub>2</sub>O. (2HCl, PtCl<sub>4</sub>) (A. 88, 127; Bl. [3] 19, 174). — III, 84.  
 2) Anishydramid. Sm. 120° (125—127° (A. 56, 39; 88, 128; Bl. [3] 19, 174). — III, 84.  
 3) 3,5-Di'4-Methylphenylacetylamido-1-Oxybenzol. Sm. 12°—123° (G. 20, 321). — II, 724.  
 4) Diäthylenzidinphthalidsäure. Ba (A. 258, 365). — IV, 967.  
 $C_{14}H_{14}O_2N_4$ , C 69,2 — H 5,8 — O 11,5 — N 13,5 — M. G. 416.  
 1) Tri' $\beta$ -Acetylaminodiphenyl]amin. Sm. noch nicht bei 240° (B. 18, 2157). — IV, 1295.  
 $C_{14}H_{14}O_2N_4$ , C 64,9 — H 5,4 — O 10,8 — N 18,9 — M. G. 444.  
 1) 1,3,5-Tri[2-Oxybenzylidenamido]hexahydro-1,3,5-Triazin. Sm. 139 bis 140° (A. 288, 239). — III, 72.  
 $C_{14}H_{14}O_2S_4$ , 1) Trimethyläther d.  $\alpha$ -Trithio-2-Oxybenzaldehyd. Sm. 157° (B. 24, 1446). — III, 71.  
 2) Trimethyläther d.  $\beta$ -Trithio-2-Oxybenzaldehyd. Sm. 224° (B. 24, 1446). — III, 71.  
 3) Trimethyläther d.  $\beta$ -Trithio-3-Oxybenzaldehyd. + C<sub>6</sub>H<sub>6</sub> (Sm. 147°) (A. 277, 318). — III, 80.  
 4) Trimethyläther d.  $\alpha$ -Trithio-4-Oxybenzaldehyd. Sm. 127° (B. 24, 1442). — III, 83.  
 5) Trimethyläther d.  $\beta$ -Trithio-4-Oxybenzaldehyd. Sm. 183°. + C<sub>6</sub>H<sub>6</sub> (B. 24, 1441). — III, 84.  
 $C_{14}H_{14}O_4N_4$ , C 60,7 — H 5,6 — O 14,8 — N 12,9 — M. G. 432.  
 1) Di[3-Keto-1,5-Dimethyl-2-Phenyl-2,3-Dihydropyrazolyl-4]-essigsäure (Diantipyrinessigsäure). Sm. 238° u. Zers. Ba, 2HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> (A. 255, 241). — IV, 1266.  
 2) Diäthylester d. 2,5-Di[Phenylazo]-1,4-Dihydrobenzol-1,4-Dicarbonsäure. Sm. 155° (B. 24, 2693). — IV, 1474.  
 3) Diäthylester d. 2,5-Di[Phenylazo]-1,4-Dihydrobenzol-3,6-Dicarbonsäure. Sm. 180° (B. 24, 2695). — IV, 1474.  
 4) Monoacetat d.  $\beta$ -Trioxo-1,4-Di[ $\alpha$ -Phenylhydrazonäthyl]benzol. Sm. 265° (Bl. [3] 6, 156). — IV, 783.  
 $C_{14}H_{14}O_4N_6$ , C 62,6 — H 5,2 — O 13,9 — N 18,3 — M. G. 460.  
 1) Diäthylester d. 3,3'-Dimethyl-4,4'-Biphenylenedi[Hydrazonycyanessigsäure]. Sm. 224—225° (Bl. [3] 19, 1034). — IV, 1277, 1457.

- C<sub>14</sub>H<sub>12</sub>O<sub>4</sub>S** 1) **Aesthylester d.  $\alpha$ -Phenylsulfon- $\beta,\gamma$ -Diphenylisobuttersäure.** Sm. 118° (Am. 7, 69). — II, 1471.
- C<sub>14</sub>H<sub>14</sub>O<sub>6</sub>N<sub>4</sub>** 1) **Diacetat d. 1,2-Diacetyl-3,6-Di[ $\alpha$ -Oxybenzyl]-1,2,4,5-Tetrazin.** Sm. 203° (B. 30, 1890; A. 298, 26). — IV, 1290.
- C<sub>14</sub>H<sub>14</sub>O<sub>6</sub>N<sub>4</sub>** 1) **Dithylester d. 3,3'-Dimethoxy-4,4'-Biphenylenedi[Hydrazoncyanessigsäure].** Sm. 283–285° (B. [3] 19, 1034). — IV, 1457.
- C<sub>14</sub>H<sub>14</sub>O<sub>6</sub>S<sub>3</sub>** 1) **Trithio-3-Methoxyl-4-Oxybenzaldehyd (Tritiovauillin).** Sm. 235 bis 237° u. Zers. + 2C<sub>6</sub>H<sub>6</sub> (B. 29, 144). — III, 102.
- C<sub>14</sub>H<sub>14</sub>O<sub>6</sub>N<sub>2</sub>** 1) **Di[Acetylphenylamid] d. Diacetylweinsäure.** (+ 2C<sub>6</sub>H<sub>6</sub> Sm. 137°) (B. 24, 2960). — II, 422.
- C<sub>14</sub>H<sub>14</sub>O<sub>11</sub>N<sub>7</sub>** 1) **Verbindung (aus Aminopiansäure).** Sm. 232–233° u. Zers. (B. 20, 877). — II, 1945.
- C<sub>14</sub>H<sub>14</sub>O<sub>5</sub>Si** 1) **Silicotetraphenylamid.** Sm. 137–138° (Soc. 55, 475). — II, 957.
- C<sub>14</sub>H<sub>14</sub>ON<sub>3</sub>** 1)  **$\alpha$ -Benzoylimidodi[4-Dimethylamidophenyl]methan (Benzoylauramin).** Sm. 179° (J. pr. [2] 50, 431). — IV, 1175.
- 2) **2-Keto-3,3-Di[ $\beta$ -Dimethylamidophenyl]-2,3-Dihydroindol (Dinethyl-anilinatin).** Sm. 234° (B. 18, 2642). — II, 1618.
- 3) **Aethylphenylimesatin (A. 144, 55).** — II, 1608.
- 4) **Verbindung (aus n-Amidoditolylamin u. Diamidodurol).** HNO<sub>3</sub> + H<sub>2</sub>O (B. 28, 1356).
- C<sub>14</sub>H<sub>15</sub>O<sub>5</sub>N** 1) **Benzyläther d. Morphin.** HCl (C. 1899 [1] 705).
- C<sub>14</sub>H<sub>15</sub>O<sub>5</sub>N<sub>2</sub>** 1) **Verbindung (aus Pikrococellin).** Sm. 154° (A. 185, 24). — II, 1753.
- C<sub>14</sub>H<sub>15</sub>O<sub>4</sub>N** 1) **Monäthylester d. 2,6-Dimethyl-4-Phenyl-1-[4-Methylphenyl]-1,4-Dihydropyridin-3,5-Dicarbonsäure.** Sm. 160° u. Zers. (M. 17, 354). — IV, 371.
- C<sub>14</sub>H<sub>15</sub>O<sub>5</sub>N** 1) **Benzylascpolamin.** (2HCl, PtCl<sub>4</sub>, (HCl, AuCl<sub>3</sub>) (B. 27 [2] 883). — III, 796.
- C<sub>14</sub>H<sub>15</sub>O<sub>6</sub>N** 1) **Allylhydrastin.** Sm. 116° (B. 23, 2010). — II, 2054.
- 2) **Triacytylderivat d. Thebenin.** Sm. 160–161° (B. 30, 1376).
- 3) **Triacetylmorphobain.** Sm. 193–194° (B. 32, 190).
- 4) **Methylester d. Dibenzoyldioxyanhydreegonin.** Sm. 99–100°. HCl, HNO<sub>3</sub> (B. 25, 1397). — III, 872.
- C<sub>14</sub>H<sub>15</sub>O<sub>6</sub>N** 1) **Usninanilid.** Sm. 170–171° (B. 15, 2241).
- C<sub>14</sub>H<sub>15</sub>O<sub>16</sub>N** 1) **Verbindung (aus 2,5-Dioxybenzol-1,4-Dicarbonsäuredithylester).** Sm. 148° (B. 19, 2393). — II, 2003.
- C<sub>14</sub>H<sub>15</sub>N<sub>2</sub>P** 1) **Phenyldi[1,2,3,4-Tetrahydro-1-Chinolyl]phosphin.** Sm. 150° (B. 31, 1045). — IV, 1682.
- C<sub>14</sub>H<sub>15</sub>NS<sub>2</sub>** 1)  **$\alpha$ -Methylpropyltriphenylidithiobiuret.** Sm. 110° (B. 21, 109). — II, 400.
- 2)  **$\beta$ -Methylpropyltriphenylidithiobiuret.** Sm. 111° (B. 21, 109). — II, 400.
- 3) **Dithiyltriphenylidithiobiuret.** Sm. 158° (B. 21, 108). — II, 400.
- C<sub>14</sub>H<sub>16</sub>ON<sub>2</sub>** 1) **Trimethylidihydroamarin.** Sm. 158°. HCl, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (B. 15, 2328). — III, 26.
- 2) **Loukomalachitgrünaldehyd.** Sm. 143°. (2HCl, PtCl<sub>4</sub>, + NaHSO<sub>3</sub> (A. 231, 381). — III, 65.
- C<sub>14</sub>H<sub>16</sub>ON<sub>4</sub>** 1)  **$\alpha$ -Phenyl- $\beta$ -[4-Methylphenyl]azo- $\beta$ -[4-Isopropylbenzyl]harnstoff.** Sm. 124° (B. 22, 930). — IV, 1573.
- 2)  **$\alpha$ -[4-Methylphenyl]- $\beta$ -[4-Methylphenyl]azo- $\beta$ -[2,4,5-Trimethyl-phenyl]harnstoff.** Sm. oberh. 230° (B. 25, 1361). — IV, 1573.
- C<sub>14</sub>H<sub>16</sub>ON<sub>2</sub>** 1) **4',4'-Di[Dimethylamido]triphenylmethan-2'-Carbonsäure.** Sm. 200°. (2HCl, PtCl<sub>4</sub>), Pikrat (A. 202, 101; B. 28 [2] 994; C. 1896 [1] 105). — II, 1481.

- $C_{12}H_{10}O_2N$ , 1) Phenylamid  $\alpha$ -Phenylamidoessigsäurecarbonsäure. Sm. 131° (Am. 21, 15).  
 $C_{12}H_{10}O_2N$ , 1)  $C_6H_5 - H - 15 - O - N - C_6H_5 - M.$  m. 402.  
 Reaktionssumma p-phenylenonol. Sm. 15°. m. 402. — IV, 1445.  
 2) Acetylidenessigsäurepyrimidin. Sm. 15°. m. 402. Wasserstoff.  $HCl + H_2O$ .  
 $C_{12}H_{10}O_2N$ , 1) Triethyl- $\beta$ -Ketocarboxylat. Sm. 15°. — IV, 1274.  
 2) 3,3'-Diketo-5,5'-Dimethyl-1,1'-Biphenyl-3,3',2,3'-Tetraoxiran-4,4'-Bipyrazole. Sm. 14°-15°. Sm. 15°. — IV, 1263.  
 3) 5,5'-Diazao-3,3'-Dimethyl-4,4'-Dihydro-1,1'-Biphenyl-4,4',5,5'-Tetraoxiran-4,4'-Bipyrazole. Sm. 15°. — IV, 1263.  
 4) Verbindung aus Benzimidazolopyrimidin. Sm. 15°. Sm. 15°. — IV, 1073.  
 $C_{12}H_{10}O_2N$ , 1)  $C_6H_5 - H - 15 - O - N - C_6H_5 - M.$  m. 402.  
 2) Verbindung aus 3-Amino-2-Oxy-1,4-Dimethylenesäure. Sm. 20. — IV, 750.  
 $C_{12}H_{10}O_2N$ , 1)  $C_6H_5 - H - 14 - O - N - C_6H_5 - M.$  m. 402.  
 2) 1-methoxy Phenylamid d. Butan- $\alpha$ -y-Dicarbonsäure. Sm. 175-180° (A. 292).  
 $C_{12}H_{10}O_2N$ , 1)  $C_6H_5 - H - 12 - O - N - C_6H_5 - M.$  G. 422.  
 2) m-Benzylamido-d-Cocain. Fl.  $HCl$ . Sm. 214-217° (E. 27, 1880). — III, 165.  
 $C_{12}H_{10}O_2N_2$ , 1)  $C_6H_5 - H - 12 - O - N - C_6H_5 - M.$  G. 422.  
 2) Alkyldiazimid. Sm. 13°.  $HCl$ .  $H_2O$ . — E. 23, 2412. — II, 2054.  
 $C_{12}H_{10}O_2N_2$ , 1)  $C_6H_5 - H - 12 - O - N - C_6H_5 - M.$  G. 422.  
 2) Verbindung aus Ketonamidketoketylester u. Phenylhydrazin (A. 288, 42). — I, 342.  
 $C_{12}H_{10}O_2N_2$ , 1)  $C_6H_5 - H - 12 - O - N - C_6H_5 - M.$  G. 422.  
 2) 2,5-Diketo-1,4-Di-2-Isopropylphenyl-5-Carbonsäure, hexahydro-1,4-Diamin. J. pr. 1, 40, 446. — II, 102.  
 $C_{12}H_{10}O_2N_2$ , 1)  $C_6H_5 - H - 12 - O - N - C_6H_5 - M.$  G. 422.  
 2) Dianhydridester d. Dibutansäurephenylhydrazon. Sm. 197-198° (A. 295, 320). — IV, 127.  
 $C_{12}H_{10}O_2S_2$ , 1)  $\alpha\beta\gamma\delta$ -Tri-2-Methylphenylsulfon propan. Fl. J. pr. 2, 54, 329.  
 2)  $\alpha\beta\gamma\delta$ -Tri-4-Methylphenylsulfon propan. Sm. 14°-15° (A. 283, 203).  
 $C_{12}H_{10}O_2N_4$ , 1) Hexaamidotetrahydroazoresorufin.  $HCl$ . Sm. 18, 582.  
 $C_{12}H_{10}O_2N_4$ , 1) Diacetat d. 3,5,3',5'-Tetra Acetylamido-4,4'-Dioxybiphenyl. Sm. Sm. 300° (E. 21, 312). — II, 939.  
 $C_{12}H_{10}O_2S$ , 1) Verbindung aus 1,4-Dioxybenzol +  $H_2S$  (A. 69, 247). — II, 939.  
 $C_{12}H_{10}O_2N_4F_2$ , 1) Difluormethylat d. 2,4,2',4'-Tetramethyl-6,6'-Bichinolyl. Sm. 270° u. Zers. (E. 20, 279). — IV, 1977.  
 $C_{12}H_{10}O_2S$ , 1) Phenylsulfonlauramin ( $\alpha$ -Auramin-Pheynlylthiocarstoff). Sm. 194-195° (J. pr. 2, 50, 42). — IV, 1775.  
 $C_{12}H_{10}O_2N_4$ , 1)  $C_6H_5 - H - 10 - O - S - O - H - 10 - S - M.$  G. 389.  
 2) 4-Nitro-4',4'-Di-Dimethylamido-2'-Methyltrifluoromethan. Sm. 193° (E. 24, 59). — IV, 1945.  
 2) Cyanethylat d. Strychnin. Sm. 105° (E. 18, 2745). — III, 938.  
 $C_{12}H_{10}O_2N$ , 1)  $C_6H_5 - H - 12 - O - 12,7 - N - 3,7 - M.$  G. 377.  
 2) Acetylester d. 6-Aethyl-4-Methylphenyl-amido-4-Keto-2-Phenyl-1,2,3,4-Tetrahydrobenzol-3-Carbonsäure. Sm. bei 70° (A. 294, 278).  
 2) Monopiperidid d.  $\alpha$ -Truxilläuremonomethylester. Sm. 151° (E. 22, 224). — IV, 17.  
 3) Monopiperidid d.  $\gamma$ -Truxilläuremonomethylester. Sm. 201° (E. 22, 222). — IV, 17.  
 $C_{12}H_{10}O_2As$ , 1) Triathyläther d. Tri[4-Oxyphenyl]arsin. Sm. 88-89° (E. 20, 52). — IV, 1949.  
 $C_{12}H_{10}O_2Bi$ , 1) Triathyläther d. Wismuthtri[4-Oxyphenyl]. Sm. 73° (B. 30, 2550). — IV, 1698.  
 $C_{12}H_{10}O_2Bb$ , 1) Triathyläther d. Antimontri[4-Oxyphenyl]. Sm. 82-83°. +  $HgCl_2$  (B. 30, 2811). — IV, 1696.  
 $C_{12}H_{10}O_2N$ , 1) Benzoylatropin. (2HCl,  $PtCl_4$ ), (HCl,  $AuCl_3$ ) (B. 27 [2] 883). — III, 785.  
 2) Benzoylhyoscyamin. (2HCl,  $PtCl_4$ ), (HCl,  $AuCl_3$ ) (B. 27 [2] 883). — III, 795.

- C<sub>24</sub>H<sub>27</sub>O<sub>4</sub>P**
- 1) **Tri[2,3-Dimethylphenylester] d. Phosphorsäure.** Fl. (B. 18, 1703). — II, 758.
  - 2) **Tri[2,4-Dimethylphenylester] d. Phosphorsäure.** Fl. (B. 18, 1703). — II, 758.
- C<sub>24</sub>H<sub>27</sub>O<sub>5</sub>N**
- 1) **Aethyläther d. Diacetylthebenin (Diacetylthebenin).** Sm. 163° (B. 32, 183).
  - 2) **Aethylester d. 8-[4-Aethoxyphenyl]amido-4-Keto-2-[4-Methoxyphenyl]-1,2,3,4-Tetrahydrobenzol-3-Carbonsäure.** Sm. 217° (A. 294, 296).
- C<sub>24</sub>H<sub>27</sub>O<sub>7</sub>N**
- 1) **Allylhydrastein + 1½ H<sub>2</sub>O.** Sm. 136° (B. 23, 2911). — II, 2054.
- C<sub>24</sub>H<sub>27</sub>O<sub>7</sub>P**
- 1) **Tri[2-Aethoxylphenylester] d. Phosphorsäure.** Sm. 131—132° (C. 1899 [1] 706).
- C<sub>24</sub>H<sub>27</sub>O<sub>13</sub>N<sub>3</sub>**
- 1) **Trinitroanthamantin (A. 110, 361).** — III, 620.
  - 2) **Verbindung (aus 2,5-Diacetyl-1,4-Diketohexahydrobenzol-3,6-Dicarbon säure?).** Sm. 280—285° u. Zers. (B. 25, 331). — II, 2071.
- C<sub>24</sub>H<sub>27</sub>NS<sub>2</sub>**
- 1) **Verbindung (aus d. Amid. d. Phenylthioessigsäure).** Sm. 107,5—108° (A. 184, 302). — III, 1328.
- C<sub>24</sub>H<sub>27</sub>Cl<sub>2</sub>Bi**
- 1) **Wismuthtri[2,4-Dimethylphenyl]dichlorid.** Sm. 161° (A. 251, 334). — IV, 1699.
  - 2) **Wismuthtri[2,5-Dimethylphenyl]dichlorid.** Sm. 167,5° (B. 30, 2847). — IV, 1699.
- C<sub>24</sub>H<sub>27</sub>Br<sub>2</sub>Bi**
- 1) **Wismuthtri[2,4-Dimethylphenyl]dibromid.** Sm. 117° (A. 251, 334). — IV, 1699.
  - 2) **Wismuthtri[2,5-Dimethylphenyl]dibromid.** Sm. 130° (B. 30, 2847). — IV, 1699.
- C<sub>24</sub>H<sub>28</sub>ON<sub>2</sub>**
- 1) **P-Tetramethyldiamido-5-Oxy-2-Methyltriphenylmethan.** Sm. 150° (B. 24, 3130). — II, 904.
  - 2) **P-Tetramethyldiamido-6-Oxy-3-Methyltriphenylmethan.** Sm. 129 bis 130° (B. 24, 3131). — II, 904.
  - 3) **2-Oxy-1-[2-Oktylphenyl]azonaphtalin.** Sm. 142° (B. 31, 940). — IV, 1438.
  - 4) **4-Oxy-1-[2-Oktylphenyl]azonaphtalin (B. 31, 939).** — IV, 1438.
  - 5) **Anhydrid d. 2-Methylchinolinäthyloxyhydrat (A. 242, 305).** — IV, 303.
- C<sub>24</sub>H<sub>28</sub>O<sub>2</sub>N<sub>2</sub>**
- 1) **Monomethyläther d. P-Tetramethyldiamido-P-Dioxypyridophenylmethan.** Sm. 135—136° (B. 17, 1895). — II, 1003.
  - 2) **1,1'-Dibenzoyl-4,4'-Bipiperidyl (B. 31, 2279).**
- C<sub>24</sub>H<sub>28</sub>O<sub>2</sub>N<sub>4</sub>**
- 1) **Campholenamidindifureid.** Sm. 176°. — IV, 533.
- C<sub>24</sub>H<sub>28</sub>O<sub>2</sub>S<sub>2</sub>**
- 1) **Verbindung (aus Campher).** — III, 487.
- C<sub>24</sub>H<sub>28</sub>O<sub>4</sub>N<sub>2</sub>**
- 1) **Diäthylderivat d. 4,4'-Di[3-Ketobutyrylamido]biphenyl.** Sm. oberh. 300° u. Zers. (M. 19, 697).
  - 2) **Strychninoxyacetin (J. 1874, 875).** — III, 939.
  - 3) **Phyllocyaninsäure.** Cu (B. 27 [2] 32).
  - 4) **Acetat d. Gelseminin.** HCl (Sm. 290°) (C. 1896 [1] 111).
  - 5) **Diacetat d. αβ-Dioximido-αβ-Di[4(?) Isopropylphenyl]äthan.** Sm. 127° (B. 23, 2065). — III, 301.
  - 6) **2,4,5-Trimethylphenylimid-2,4,5-Trimethylphenylamid d. Citronensäure.** Sm. 173° (B. 21, 660). — II, 553.
- C<sub>24</sub>H<sub>28</sub>O<sub>4</sub>N<sub>4</sub>**
- 1) **Di[4-Nitrobenzyl]dipiperidein.** Sm. 120,5° (B. 22, 1332). — IV, 532.
  - 2) **Diäthylester d. 2,5-Di[Phenylhydrazido]-1,4-Dihydrobenzol-1,4-Dicarbonsäure.** Sm. 165° u. Zers. (B. 24, 2690). — IV, 724.
  - 3) **Diäthylester d. 3,6-Di[Phenylhydrazido]-1,4-Dihydrobenzol-2,5-Dicarbonsäure.** Sm. 208° (B. 24, 2690). — IV, 724.
- C<sub>24</sub>H<sub>28</sub>O<sub>6</sub>N<sub>2</sub>**
- 1) **Hydrodicotarnin.** Sm. 211°. (2HCl, PtCl<sub>4</sub>, 2HBr, 2HJ (B. 30, 1747).

- $C_{24}H_{28}O_6N_2$  2) Diacetat d.  $\alpha\beta$ -Di[Oxyacetyl-2-Methylphenylamido]äthan. Sm. 188 bis 189° (B. 23, 2033; A. 279, 60).  
 3) Sebacinsäurediphenylamid - 3', 3'- Dicarbonsäure (Sebacyldibenzosäure). Sm. 275°. Ba + 2 H<sub>2</sub>O (G. 15, 550). — II, 1266.  
 4) Allyhydrastamid. Sm. 156° (B. 23, 2912). — II, 2054.
- $C_{24}H_{28}O_6N_4$  C 57,6 — H 5,6 — O 25,6 — N 11,2 — M. G. 500.  
 1) Verbindung (aus Dioxybenzochinondicarbonsäurediäthylester u. Phenylhydrazin). Sm. 134° (B. 22, 1290). — IV, 732.
- $C_{24}H_{28}O_6N_3$  C 59,0 — H 5,7 — O 29,5 — N 5,7 — M. G. 488.  
 1) Aethylester d. Dioxyisopropylidcarboxyldiphenylallophansäure. Sm. oberh. 300° u. Zers. (B. 17, 1306). — II, 1587.  
 2) Diäthylester d. Azoopiansäure. Sm. 101° (B. 20, 879). — IV, 1475.
- $C_{24}H_{28}N_2J$  1) Isopropyltritylbenzylammoniumjodid. Sm. 170° (B. 19, 1029). — II, 523.
- $C_{24}H_{28}N_2Cl_2$  1) Dichlorbenzylylat d. Nikotin (B. 25, 1433). — IV, 857.
- $C_{24}H_{28}N_2Cl$  1) Methylphenylauraminchlorid (J. pr. [2] 47, 406). — IV, 1173.
- $C_{24}H_{28}N_2J$  1) Tetramethylrosanilinjodid (B. 2, 443). — II, 1091.
- $C_{24}H_{28}N_2S_2$  1) Di[Phenylthioharnstoff] d. Base  $C_{16}H_{14}N_2$ . Sm. 183° (B. 31, 2272).
- $C_{24}H_{28}JAs$  1) Propyltritylbenzylarsoniumjodid. Sm. 145—146° (A. 233, 77). — IV, 1691.  
 2) Isopropyltritylbenzylarsoniumjodid. Sm. 143° (A. 233, 77). — IV, 1691.  
 $C_{24}H_{28}ON$  C 83,0 — H 8,3 — O 4,6 — N 4,0 — M. G. 347.  
 1) 1-Benzoyl- $\beta$ -Triäthyl-1,2-Dihydrochinolin. Sm. 125—126° (B. 29, 2482). — IV, 230.
- $C_{24}H_{28}ON_3$  C 76,8 — H 7,7 — O 4,3 — N 11,2 — M. G. 375.  
 1) Tetramethylrosanilin. Jodid (B. 2, 443). — II, 1091.  
 2)  $\alpha$ -Oxy-4',4"-Pentamethyltriamidotriphenylmethan. Sm. 130°. HJ. Pikrat (B. 2, 443; 6, 357; 11, 2097; 12, 1275; 16, 2006; 19, 108). — II, 1087.
- $C_{24}H_{28}O_6N_3$  C 68,1 — H 6,8 — O 15,1 — N 9,9 — M. G. 423.  
 1) Aethylester d. Nitrosomethylisostrychninsäure (A. 268, 243). — III, 943.
- $C_{24}H_{28}O_6Sb$  1) Triäthyläther d. Tri[4-Oxyphenyl]antimonidhydroxyd. Chlorid, Bromid, Jodid, Nitrat (B. 30, 2842). — IV, 1696.
- $C_{24}H_{28}O_6N$  C 65,0 — H 6,6 — O 25,3 — N 3,1 — M. G. 443.  
 1) Aethylester d. Methylhydrastein. Sm. 95—96% (2 HCl, PtCl<sub>4</sub>), HNO<sub>3</sub>. — II, 2052.
- $C_{24}H_{28}O_6Cl$  1) Chlorothamantin (A. 110, 362). — III, 620.
- $C_{24}H_{28}O_6N$  C 62,7 — H 6,3 — O 27,9 — N 3,0 — M. G. 459.  
 1) Pseudohomonarcinein + 3 H<sub>2</sub>O. Sm. 173° u. Zers. (wasserfrei). (2 HCl, PtCl<sub>4</sub> + 2 H<sub>2</sub>O) (A. 247, 173). — III, 915.
- $C_{24}H_{28}O_6N$  2) Narceinmethylester. HCl (2 HCl, PtCl<sub>4</sub>), HJ (A. 277, 48). — II, 2080.  
 3) Hydroxyäthylat d. Isonarkotin (B. 30, 1746).
- $C_{24}H_{28}O_6Cl$  1) Diacetat d. Chlorhexaoxybiphenyltetraäthyläther. Sm. 94—96° (B. 31, 617).
- $C_{24}H_{28}O_6N_1$  C 25,2 — H 2,5 — O 58,8 — N 13,5 — M. G. 1143.  
 1) Undekanitrocellulose (C. r. 95, 132).
- $C_{24}H_{30}O_6N_2$  C 76,2 — H 7,9 — O 8,5 — N 7,4 — M. G. 378.  
 1) Dibenzoyloxyhydrat d. Nikotin. Chlorid, Pikrat (B. 25, 1433). — IV, 857.  
 2) Verbindung (aus 1,3,3-Trimethyl-2-Aethyliden-2,3-Dihydroindol). Sm. 124° (G. 28 [2] 64).
- $C_{24}H_{30}O_5N_2$  C 73,1 — H 7,0 — O 12,2 — N 7,1 — M. G. 394.  
 1) Verbindung (aus Methylstrychnin). Sm. 158° (A. 264, 64). — III, 937.
- $C_{24}H_{30}O_5N_4$  C 68,2 — H 7,1 — O 11,4 — N 13,3 — M. G. 422.  
 1) Verbindung (aus Oxybenzol u. Hexamethylenamin). Zers. bei 115—124° (A. 272, 280). — II, 651.
- $C_{24}H_{30}O_5N_4$  C 64,0 — H 6,7 — O 10,7 — N 18,6 — M. G. 450.  
 1) Phloroglucin + 3 Molec. Phenylhydrazin. Sm. 78—82° (B. 22, 2190). — IV, 654.
- $C_{24}H_{30}O_4N_2$  C 70,2 — H 7,3 — O 15,6 — N 6,8 — M. G. 410.  
 1) Diäthylester d. 2,2'-Diisopropylazobenzol-5,5'-Dicarbonsäure. Sm. 104—108° (J. r. 16, 167). — IV, 1466.

- C<sub>24</sub>H<sub>30</sub>O<sub>4</sub>N<sub>4</sub>** C 65,7 — H 6,8 — O 14,6 — N 12,8 — M. G. 438.  
 1) **Dimethylester d.  $\gamma,\zeta$ -Diphenylhydrazonoktan- $\alpha\beta$ -Dicarbonsäure.** Sm. 105° (A. 294, 173). — IV, 722.  
 2) **Diäthylester d. Diphenylizindiacetbernsteinsäure** (B. 17, 2058). — IV, 722.
- C<sub>24</sub>H<sub>30</sub>O<sub>5</sub>N<sub>2</sub>** C 67,6 — H 7,0 — O 18,8 — N 6,6 — M. G. 426.  
 1) **Methylbrucin + 4H<sub>2</sub>O.** Sm. 276° u. Zers. (A. 304, 42).  
 2) **Brucinmethoxyhydrat.** Sm. 250—251°. Salze siehe (J. 1859, 398 B. 14, 772; 17, 2267; 18, 779; J. pr. [2] 3, 162). — III, 946.  
 3)  **$\alpha$ -Concusaninmethoxyhydrat + 5H<sub>2</sub>O.** Sm. 202°. Salze siehe (A. 225, 241). — III, 929.  
 4)  **$\beta$ -Concusaninmethoxyhydrat + 2H<sub>2</sub>O.** Salze siehe (A. 225, 243). — III, 929.  
 5) **Di[2,4,5-Trimethylphenylamid] d. Citronensäure.** Sm. 194°. Na (B. 21, 661). — II, 552.
- C<sub>24</sub>H<sub>30</sub>O<sub>6</sub>N<sub>2</sub>** C 65,2 — H 6,8 — O 21,7 — N 6,3 — M. G. 442.  
 1) **Methylhydrastäthylamid.** Sm. 162° (B. 23, 2906). — II, 2053.
- C<sub>24</sub>H<sub>30</sub>O<sub>6</sub>S** 1) **Diacetat d.  $\alpha$ -Di[3-Oxy-4-Isopropyl-1-Methylphenyl]- $\beta$ -Sulfon.** Sm. 107—108° (G. 19, 348). — II, 971.
- C<sub>24</sub>H<sub>30</sub>O<sub>6</sub>N<sub>4</sub>** C 57,4 — H 6,0 — O 25,5 — N 11,1 — M. G. 502.  
 1) **Anhydrodi[Phenylhydrazon] d. Milchzucker.** Sm. 223—224° u. Zers. (B. 20, 820). — IV, 794.
- C<sub>24</sub>H<sub>30</sub>N<sub>8</sub>P** 1) **Tri[4-Dimethylamidophenyl]phosphin.** Sm. 273° (B. 9, 845; 21, 1503; A. 260, 32). — IV, 1659.
- C<sub>24</sub>H<sub>30</sub>N<sub>8</sub>As** 1) **Tri[4-Dimethylamidophenyl]arsin.** Sm. 240° (A. 270, 145). — IV, 1686.
- C<sub>24</sub>H<sub>30</sub>N<sub>8</sub>S<sub>2</sub>** 1) **4,4'-Biphenylenedi[Piperidylthioharnstoff].** Sm. 214—215° (B. 27, 1561). — IV, 965.
- C<sub>24</sub>H<sub>31</sub>O<sub>6</sub>N** C 67,1 — H 7,2 — O 22,4 — N 3,3 — M. G. 429.  
 1) **1-Benzoat d. 1-Oximido-3-Isobutyl-1-Methyl-1,2,3,4-Tetrahydrobenzo-2,4-Dicarbonsäurediäthylester.** Sm. 157—158° (A. 288, 333).
- C<sub>24</sub>H<sub>31</sub>N<sub>8</sub>Si** 1) **Siliciumtri[4-Dimethylamidophenyl].** Sm. 152° (C. 1896 [1] 843).  
**C<sub>24</sub>H<sub>32</sub>ON<sub>2</sub>** C 79,1 — H 8,8 — O 4,4 — N 7,7 — M. G. 364.
- C<sub>24</sub>H<sub>32</sub>N<sub>2</sub>** 1) **Isoamylcinchonidin.** (2HCl, PtCl<sub>4</sub>), HBr (B. 14, 1923). — III, 852.
- C<sub>24</sub>H<sub>33</sub>O<sub>7</sub>N<sub>2</sub>** C 75,8 — H 8,4 — O 8,4 — N 7,3 — M. G. 380.  
 1) **Chinoiseamylan.** Sm. 166,5—167°. H<sub>2</sub>SO<sub>4</sub> + 2H<sub>2</sub>O (Bl. [3] 7, 311). — III, 821.
- C<sub>24</sub>H<sub>33</sub>O<sub>5</sub>Cl<sub>2</sub>** 1) **Dichlorisodehydrocholat.** Sm. 257° (B. 25, 808; H. 16, 500). — II, 1970.
- C<sub>24</sub>H<sub>32</sub>O<sub>4</sub>N<sub>2</sub>** C 69,9 — H 7,8 — O 15,5 — N 6,8 — M. G. 412.  
 1) **Phthalyltropine.** Sm. 70°. (2HCl, PtCl<sub>4</sub>) (A. 217, 102; B. 13, 108, 1085). — III, 788.  
 2) **Diäthylester d.  $\alpha\beta$ -Di[Aethylphenylamido]äthan-3,3'-Dicarbonsäure.** Sm. 98—100° (A. 226, 247). — II, 1259.
- C<sub>24</sub>H<sub>32</sub>O<sub>6</sub>N<sub>4</sub>** C 55,4 — H 6,1 — O 27,7 — N 10,8 — M. G. 520.  
 1) **Di[Phenylhydrazon] d. Isomaltose.** Sm. bei 206° (B. 17, 583). — IV, 793.  
 2) **Di[Phenylhydrazon] d. Maltose.** Sm. bei 206° (B. 17, 583). — IV, 793.  
 3) **Di[Phenylhydrazon] d. Milchzucker.** Sm. 200° u. Zers. (B. 17, 583; 20, 825). — IV, 794.  
 4) **Di[Phenylhydrazon] d. Turanose.** Sm. 215—220° u. Zers. (B. 27, 2488). — IV, 794.
- C<sub>24</sub>H<sub>33</sub>ON** C 82,1 — H 9,4 — O 4,5 — N 4,0 — M. G. 351.  
 1) **Di[P-Isoamylphenyl]amid d. Essigsäure.** Sm. 81° (B. 20, 1259). — II, 563.
- C<sub>24</sub>H<sub>33</sub>O<sub>4</sub>Cl** 1) **Monochlorid d. Dehydrocholsäure.** Sm. 241°. Na, Ag (H. 16, 502). — II, 1969.
- C<sub>24</sub>H<sub>33</sub>O<sub>5</sub>Br** 1) **Bromdehydrocholsäure.** Sm. 171—173° u. Zers. (H. 19, 286). — II, 1970.
- C<sub>24</sub>H<sub>34</sub>O<sub>12</sub>N<sub>6</sub>** C 48,1 — H 5,7 — O 32,1 — N 14,0 — M. G. 508.  
 1) **Verbindung (aus Akrolein u. Phenylhydrazin).** Sm. 223° (J. pr. [2] 50, 549). — IV, 748.
- C<sub>24</sub>H<sub>34</sub>N<sub>4</sub>S<sub>2</sub>** 1) **4,4'-Biphenylenedi[Isoamylthioharnstoff].** Sm. noch nicht bei 300° (B. 27, 1559). — IV, 965.
- C<sub>24</sub>H<sub>36</sub>O<sub>6</sub>N<sub>2</sub>** C 75,0 — H 9,4 — O 8,3 — N 7,3 — M. G. 384.  
 1) **Di[2-Propylpiperidil] d. Benzol-1,2-Dicarbonsäure (Phthalylconiin)** (A. 227, 202). — IV, 34.

- $C_{14}H_{26}O_6N_2$  C 60,0 — H 7,5 — O 26,7 — N 5,8 — M. G. 480.  
 1) **Oximidobiliansäure.** Na (B. 20, 1984). — **II,** 2077.
- $C_{14}H_{27}O_5N_3$  C 64,4 — H 8,3 — O 17,9 — N 9,4 — M. G. 447.  
 1) **Verbindung** (aus Dehydrocholsäure). Zers. bei  $270^\circ$  (B. 19, 2007). — **II,** 1969.
- $C_{14}H_{27}O_6N$  C 60,0 — H 7,7 — O 29,8 — N 2,9 — M. G. 483.  
 1) **Pyroaconin.**  $HCl + H_2O$ , ( $HCl, AuCl_4$ ) (Soc. 65, 179). — **III,** 774.
- $C_{14}H_{28}ON$  C 77,8 — H 10,2 — O 4,3 — N 7,6 — M. G. 370.  
 1) **Phenylhydrazid d. Stearolsäure.** Sm. 81,5—82° (B. 25, 2670). — **IV,** 667.
- $C_{14}H_{28}O_5N$  C 68,6 — H 9,0 — O 19,0 — N 3,3 — M. G. 420.  
 1) **Omicholin** (Bl. 51, 159). — **III,** 667.
- $C_{14}H_{29}O_5N$  C 77,2 — H 10,4 — O 8,6 — N 3,7 — M. G. 373.  
 1) **Phenylacetalamid d. Palmitinsäure.** Sm. 60—61° (Am. 18, 700).
- $C_{14}H_{30}O_6N$  C 57,5 — H 7,8 — O 21,9 — N 2,8 — M. G. 501.  
 1) **Aconin** (oder  $C_{16}H_{34}O_6N$ ;  $C_{16}H_{34}O_5N$ ). Sm. bei  $140^\circ$ .  $HCl + 2H_2O$ , ( $HCl, AuCl_4$ ), ( $HJ, HgCl_2$ ),  $7 + H_2SO_4$  (Soc. 61, 393, 400; 63, 448; B. 27, 730). — **III,** 774.
- $C_{14}H_{30}ON$  C 77,4 — H 10,7 — O 4,3 — N 7,5 — M. G. 372.  
 1) **Phenylhydrazid d. Oelsäure.** Sm. 72—73° (B. 26, 122). — **IV,** 667.
- 2) Phenylhydrazid d. Elaidinsäure.** Sm. 98—99° (B. 26, 122). — **IV,** 667.
- $C_{14}H_{31}O_6N_2$  C 74,2 — H 10,3 — O 8,2 — N 7,2 — M. G. 388.  
 1) **s-Palmityl-2-Methylphenylharnstoff.** Sm. 98° (Soc. 69, 1506).  
 2) **s-Palmityl-4-Methylphenylharnstoff.** Sm. 89—90° (Soc. 69, 1597).  
 3) **Phenylhydrazid d. Ricinolsäure.** Sm. 62—63° (B. 27, 3474). — **IV,** 692.  
 4) **Phenylhydrazid d. Ricinelaïdinsäure.** Sm. 110—110,5° (M. 15, 313; B. 27, 3474). — **IV,** 693.  
 5) **Phenylhydrazid d. Ricinsäure.** Sm. 110—110,5° (B. 27, 3474). — **IV,** 693.
- $C_{14}H_{40}O_5N_2$  C 71,3 — H 9,9 — O 11,9 — N 6,9 — M. G. 404.  
 1) **Phenylhydrazid d. 9-Keto- $\alpha$ -Oxyheptadekan- $\alpha$ -Carbonsäure** (Ph. d. Oxyketostearinsäure) (B. 27, 3124). — **IV,** 704.
- $C_{14}H_{40}O_5J$  1) **Jodcholsäure.** 4 +  $HJ$  (B. 20, 686). — **I,** 753.
- $C_{14}H_{40}O_5J_2$  1) **Braune Jodcholsäure** (B. 28, 386).
- $C_{14}H_{40}O_5N_4$  C 50,3 — H 7,0 — O 28,0 — N 14,7 — M. G. 572.  
 1) **Hemialbumin** (Bl. 23, 161). — **IV,** 1586.
- $C_{14}H_{40}O_6N_4$  C 44,2 — H 6,1 — O 36,8 — N 12,9 — M. G. 652.  
 1) **Säure** (aus Eiweiß) (Bl. 23, 161). — **IV,** 1586.
- $C_{14}H_{41}ON$  C 80,2 — H 11,4 — O 4,5 — N 3,9 — M. G. 359.  
 1)  **$\alpha$ -Oximido- $\alpha$ -Phenylotadekan.** Sm. 53° (J. pr. [2] 54, 399).  
 2) **Phenylamid d. Stearinsäure.** Sm. 93,6° (A. 91, 152; J. pr. [2] 54, 400; Am. 18, 639). — **II,** 370.  
 3) **Septdekylamid d. Benzolcarbonsäure.** Sm. 91° (B. 21, 2489). — **II,** 1161.  
 4) **P-Cetylphenylamid d. Essigsäure.** Sm. 104—104,5°; Sd. 205°<sub>15</sub> (B. 21, 3181). — **II,** 566.
- $C_{14}H_{41}O_5N$  C 76,8 — H 10,9 — O 8,5 — N 3,7 — M. G. 375.  
 1)  **$\alpha$ -Phenylamidostearinsäure.** Sm. 84,5°; Sd. 273—275°<sub>15</sub> (B. 24, 2395). — **II,** 436.
- $C_{14}H_{41}O_6N$  C 60,8 — H 10,1 — O 15,7 — N 3,4 — M. G. 407.  
 1) **Amid d. Cholsäure + 3H<sub>2</sub>O.** Sm. 125—130° (130—140° wasserfrei) (J. pr. [2] 19, 308; B. 6, 1186; 20, 1976). — **I,** 1398.
- $C_{14}H_{42}ON$  C 77,0 — H 11,2 — O 4,3 — N 7,5 — M. G. 374.  
 1) **s-Septdekylheptadekylharnstoff.** Sm. 99° (B. 21, 2492). — **II,** 378.  
 2) **Phenylhydrazid d. Stearinsäure.** Sm. 105—107° (M. 14, 37). — **IV,** 667.
- $C_{14}H_{42}O_5S$  1) **1-Oktadekylbenzol- $\beta$ -Sulfonsäure.** Na (B. 19, 2985). — **II,** 161.
- $C_{14}H_{42}O_5N$  1) **Lycocetonin** (C. 1895 [1] 1184).
- $C_{14}H_{42}O_5N_4$  C 47,5 — H 6,9 — O 31,7 — N 13,8 — M. G. 606.  
 1) **Hemiproteidin + H<sub>2</sub>O** (Bl. 23, 161). — **IV,** 1586.
- $C_{14}H_{42}S$  1) **s-Septdekylphenylthioharnstoff.** Sm. 79° (B. 21, 2491). — **II,** 392.
- $C_{14}H_{42}O_5N_4J_4$  1) **Tetra(Jodmethylat) d. 2,4,2',4'-Tetra[Dimethylamido]biphenyl.** Sm. 205° n. Zers. (B. 30, 2943).
- $C_{14}H_{43}O_5P$  1) **Tetracetat d. Säure  $C_{16}H_{32}O_5P$**  (A. ch. [6] 23, 343). — **I,** 1504.

- C<sub>9</sub>H<sub>14</sub>ON<sub>2</sub>** C 76,6 — H 11,7 — O 4,3 — N 7,4 — M. G. 376.  
 1) **6-Oxy-4-Methyl-5-Aethyl-2-Heptadekyl-1,3-Diazin.** Sm. 92° (PINKE, Imidother 233). — **IV, 833.**
- C<sub>9</sub>H<sub>14</sub>ON** C 78,9 — H 12,9 — O 4,4 — N 3,8 — M. G. 365.  
 1) **Lauronoxim.** Sm. 39—40° (Soc. 57, 983).
- C<sub>9</sub>H<sub>14</sub>OCl** 1) **Chlorid d. Lignocerinsäure.** Sm. 48—50° (B. 13, 1720). — **I, 460.**
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>Br** 1) **Aethylester d. α-Brombebensäure.** Sm. 49—51° (G. 27 [2] 299).  
 C 72,5 — H 11,8 — O 12,1 — N 3,5 — M. G. 397.
- 1) **Oxim d. Oxybrassidinsäureäthylester.** Sm. 28—29° (B. 26, 841, 1868).  
 2) **Aethylester d. μ-Pelargonylamidododekanacarbonsäure.** Sm. 54° (B. 26, 842, 1868).
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>S** 1) **Glykoseschwefelsäure.** 4PbO (A. 30, 79). — **I, 1048.**
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>B** 1) **Borsäure-sec. Trioktylester.** (J. pr. [2] 18, 390). — **I, 345.**
- C<sub>9</sub>H<sub>14</sub>Cl<sub>2</sub>As<sub>2</sub>** 1) **Hexabutylidiarsoniumdichlorid.** + P<sub>2</sub>Cl<sub>6</sub> (B. 31, 597).
- C<sub>9</sub>H<sub>14</sub>J<sub>2</sub>As<sub>2</sub>** 1) **Hexabutylidiarsoniumdijodid.** Sm. 145° u. Zers. + 2HgJ<sub>2</sub> (B. 31, 597).
- C<sub>9</sub>H<sub>14</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Triäthylennonäthyltetrammoniumjodid** (J. 1861, 521). — **I, 1166.**

### C<sub>9</sub>-Gruppe mit vier Elementen.

- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>NCI** 1) **Anhydrobisdiketohydrinden-4-Chloranilid** (B. 30, 3144).
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>S** 1) **Naphthonanthrazinulfonsäure.** Na (B. 19, 1720). — **IV, 1094.**  
 2) **isom. Naphthonanthrazinulfonsäure** (aus 1,2-Diamidonaphthalin-6-Sulfosäure). Na (B. 21, 3485). — **IV, 920.**
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **Azoresorufyl.** 2HCl (B. 17, 1858). — **II, 933.**
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>Br<sub>2</sub>N<sub>2</sub>** 1) **Oktobromderivat d. Verb.** C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub> (B. 27, 943).
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **Nitrosotetranitrodisobenzol-4-Chlorphenylhydrazin.** Sm. 120 bis 122° u. Zers. (J. pr. [2] 43, 495). — **IV, 1373.**
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>** 1) **α, 2<sup>2</sup>-Lakton d. 5, 5<sup>2</sup>-Dibrom-3, 3<sup>2</sup>-Dinitro-α-Oxy-4<sup>2</sup>, 4<sup>2</sup>-Diacetoxylketophenylmethan-2<sup>2</sup>-Carbonsäure** (Diacetat d. Dibromdinitrophenolphthalein). Sm. 145° (G. 26 [1] 268).
- C<sub>9</sub>H<sub>14</sub>ON<sub>2</sub>S<sub>2</sub>** 1) **2-Oxynaphtylazoderivat** (d. 4-Amidophenyläther d. 5-Merkapto-2-Thiocarbonyl-3-Phenyl-2,3-Dihydro-1,3,4-Thiodiazol). Sm. 218° (B. 29, 2141). — **IV, 689.**  
 2) **p-Oxyamidotetraphenetrithiasin** (C. 1898 [2] 1151).
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **2-Dichlor-1, 4-Benzochinondi[2-Amidosimmtsäure]** (Bl. [3] 15, 1030).
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>Si** 1) **Siliciumtetra[<sup>9</sup>-Nitrophenyl].** Sm. 93—105° (B. 19, 1017). — **IV, 1702.**
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>Br** 1) **Benzoot d. 4-Oxy-1-[2-Brom-4-Methylphenyl]azonaphthalin.** Sm. 150° (B. 31, 1784). — **IV, 1436.**
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>NS** 1) **Diacetylverbindung d. Verb.** C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>NS (M. 11, 425). — **II, 1807.**
- C<sub>9</sub>H<sub>14</sub>ON<sub>2</sub>Cl** 1) **3-Chlor-2, 5-Di[Phenylamido]-1, 4-Benzochinonphenylimid.** Sm. 195° (J. pr. [2] 28, 428). — **III, 342.**  
 2) **7-Chlorphthalat d. 5-Acetylalamido-α, β-Naphtophenasin.** Zers. bei 290°. 2 + P<sub>2</sub>Cl<sub>6</sub> (A. 290, 263). — **IV, 1207.**  
 3) **12-Chlorphenylat d. 5-Acetylalamido-α, β-Naphtophenasin.** Zers. bei 260°. 2 + P<sub>2</sub>Cl<sub>6</sub> (A. 290, 263). — **IV, 1207.**  
 4) **12-Chlorphenylat d. 9-Acetylalamido-α, β-Naphtophenasin.** 2 + P<sub>2</sub>Cl<sub>6</sub> (B. 31, 3099).
- C<sub>9</sub>H<sub>14</sub>ON<sub>2</sub>S** 1) **2-[1-Naphthylacetalamido]-5-[1-Naphtylamido]-1, 3, 4-Thiodiazol.** Sm. 263° (B. 23, 361). — **IV, 1237.**  
 2) **2-[2-Naphthylacetalamido]-5-[2-Naphtylamido]-1, 3, 4-Thiodiazol.** Sm. 203° (B. 23, 363). — **IV, 1237.**
- C<sub>9</sub>H<sub>14</sub>ON<sub>2</sub>Br<sub>2</sub>** 1) **Verbindung** + 2H<sub>2</sub>O (aus Trbromtetraketohexamethylenhydrat u. Phenylhydrazin) (B. 26, 855). — **IV, 788.**
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) **7-4-Acetylalamidochlorphenylat** d. 10-Nitro-5-Amido-α, β-Naphtophenasin (B. 31, 3085).
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>Br** 1) **6-Brom-2, 4-Dinitro-1, 3, 5-Tri[Phenylamido]benzol.** Sm. 175 bis 176° (Am. 12, 294). — **IV, 1125.**
- C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>S** 1) **Di-<sup>9</sup>-Nitro-<sup>9</sup>-Phenylamidophenylsulfon** (B. 7, 437). — **II, 840.**  
**C<sub>9</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Trimethyläther d.  $\beta$ -Trithio-3, 5-Dinitro-4-Oxybenzaldehyd.** Sm. 188° (B. 29, 158). — **III, 54.**

- $C_{24}H_{19}ON_2Br$  1)  $\beta$ -Brom- $\theta$ -Oxy-5-Phenyl-2,4-Dibenzyl-1,3-Diazin. Sm. 120° (J. pr. [2] 53, 247). — IV, 1089.  
2) Jodäthylat d. Isorosindon (B. 31, 2484).
- $C_{24}H_{19}ON_2J$  1) 7-Chlorphenylat d. 5-Amido-9-Acetylamido- $\alpha\beta$ -Naphtophenazin.  
2 +  $PtCl_4$  (B. 30, 1367). — IV, 1296.
- $C_{24}H_{19}ON_2Cl$  2) 7-Chlorphenylat d. 5 - Amido - 10 - Acetylamido -  $\alpha\beta$ -Naphto-phenasin (B. 31, 3080).
- $C_{24}H_{19}O_2N_2J$  1) Jodmethylat d. 9 - Oxyrosindon[5]methyläther. Zers. bei 100° (B. 31, 308). — IV, 1059.
- $C_{24}H_{19}O_2N_2S$  1) 5, 12 - Anhydrid d. 10 - Dimethylamido -  $\alpha\beta$ -Naphtophenazin-12-Phenoxyhydrat (B. 31, 2435).
- $C_{24}H_{20}ONBr$  1)  $\beta$ -Brom-2-Keto-1-Aethyl-3, 3, 5-Triphenyl-2, 3-Dihydropyrrol. Sm. 142° (Soc. 57, 705, 736). — IV, 475.
- $C_{24}H_{20}OCl_4As$  1) Diphenylarsenoxychlorid. Sm. 117° (A. 201, 230). — IV, 1688.
- $C_{24}H_{20}O_2NBr$  1)  $\beta$ -Brom-1-Acetyl-2-Keto-3, 3-Di[ $\beta$ -Methylphenyl]-2, 3-Dihydro-indol (Acetyl bromtoluiatin). Sm. 156° (B. 18, 1618).
- $C_{24}H_{20}O_2N_2S_2$  1) Di[5-Acetylamido-1-Naphyl]disulfid. Sm. 274° (B. 23, 1123). — II, 869.  
2) Di[5-Acetylamido-2-Naphyl]disulfid. Sm. 276° u. Zers. (B. 24, 335). — II, 889.
- $C_{24}H_{20}O_2NP$  1) Diphenylmonamid d. Phosphorsäurediphenylester. Sm. 180° (B. 28, 614).
- $C_{24}H_{20}O_4N_2S_2$  1) 4, 4'-Di[Phenylsulfonamido]biphenyl. Sm. 232° (A. 272, 231). — IV, 966.  
2) Phenylamid d. Biphenyl-2, 2'-Disulfonsäure. Sm. 157° (A. 261, 330). — II, 226.
- $C_{24}H_{20}O_4Br_2S_4$  1) Bromid d. Phenylester d. Benzothionsulfonsäure. Fl. (A. 145, 319; 149, 110). — II, 878.
- $C_{24}H_{20}O_6N_2S$  1) Diäthyläther d. Di[ $\beta$ -Nitro-2-Oxynaphyl]- $\beta$ -Sulfid. Sm. 235° (B. 23, 3362). — II, 986.  
2) Diäthyläther d. isom. Di[ $\beta$ -Nitro-2-Oxynaphyl]- $\beta$ -Sulfid. Sm. 202° (B. 23, 3363). — II, 986.
- $C_{24}H_{20}O_6N_2S_3$  1) Diphenyldiamid d. Diphenylsulfondisulfonsäure. Sm. 212° (B. 18, 3127). — II, 815.
- $C_{24}H_{20}O_6N_4S_2$  1) Aethyläther d. Naphthalin-2, 6-Disulfonsäuredisazophenol.  $Na_2$  (Diamingoldgelb) (B. 27, 3358). — IV, 1418.
- $C_{24}H_{20}N_2Cl_2Hg_2$  1) Chlorid d. Quecksilberammoniumbase  $C_{24}H_{20}O_6N_2Hg_2$ . Zers. oberh. 240° (G. 28 [2] 131). — IV, 1707.
- $C_{24}H_{21}O_2NCl_2$  1) Diphenyläther d. 4, 4-Dichlor-5, 5-Dioxy-2-Keto-3, 3-Dimethyl-1-Phenyltetrahydropyrrol (uns-Dimethyl dichlorsuccinidphenyl-äther). Sm. 156—157°. +  $C_6H_6$  (A. 295, 71).
- $C_{24}H_{21}O_4N_2S_2$  1) Phenylamid d. 1-Phenylamidobenzol-2, 4-Disulfonsäure. Sm. 221—222° (B. 24, 3807). — II, 576.
- $C_{24}H_{21}O_6N_2S_3$  1) Triphenylamid d. Benzoltrisulfonsäure. Sm. 237° (Am. 9, 346). — II, 425.
- $C_{24}H_{21}O_6N_2S_2$  1) Trimethyläther d.  $\beta$ -Trithio-3-Nitro-4-Oxybenzaldehyd. Sm. 108° (B. 29, 158). — III, 84.
- $C_{24}H_{22}ON_2P$  1) Di[Phenylamid]-Diphenylmonamid d. Phosphorsäure. Sm. 232° (B. 28, 615).
- $C_{24}H_{22}O_2N_2Br_2$  1) Lakton d.  $\alpha$ -Oxy- $\alpha'$ -[Dibromtetramethyldiamodiphenyl]- $\alpha^2$ -Phenylmethan- $\alpha^2$ -2-Carbonsäure. HCl, 2HCl,  $PtCl_4$  (B. 10, 1623). — II, 1723.
- $C_{24}H_{22}O_2N_2Hg_2$  1) Quecksilberdi[4-Phenylamidophenyl]quecksilberdiammoniumhydrat. Zers. oberh. 200°. Chlorid, Acetat (G. 28 [2] 130). — IV, 1707.
- $C_{24}H_{22}O_2N_2S_2$  1)  $\alpha\alpha$ -Phtalyldi[ $\beta$ -Benzylthioharnstoff]. Sm. 163° (Soc. 67, 574).  
2)  $\alpha\alpha$ -Phtalyldi[ $\beta$ -Methyl- $\beta$ -Phenylthioharnstoff]. Sm. 188—189° (Soc. 67, 574).  
3)  $\alpha\alpha$ -Phtalyldi[ $\beta$ -2-Methylphenylthioharnstoff]. Sm. 177—178° (Soc. 67, 574).
- $C_{24}H_{22}O_2N_2S$  1) Phenyl-P-[4-Dimethylamidophenyl]amido- $\beta$ -Oxynaphylsulfon. HCl (B. 28, 1317). — IV, 587.
- $C_{24}H_{22}O_5N_2S_2$  1) Phenylamid d. 2-Oxynaphthalinäthyläther-1, 6-Disulfonsäure. Sm. 127° (C. 1895 [1] 1064).

- $C_{24}H_{27}O_9Cl_9Br_11$  1) Hexamethyläther d. Trichlorxanthogallol. Sm. 86° (*A. 245*, 337). — II, 1014.
- $C_{24}H_{25}ON_2Cl$  1) 9-Chlor-3-Dimethylamido-10-Keto-9-[4-Dimethylamidophenyl]-9,10-Dihydroanthracen. 2 +  $ZnCl_2$  (*C. 1897* [2] 591).
- $C_{24}H_{25}O_2NBr_2$  1) Benzocat d. Verb.  $C_{17}H_{19}ONBr_2$ . Sm. 156—158° (*B. 28*, 2911).
- $C_{24}H_{25}N_3ClP$  1) Phenyltri[Phenylamido]phosphoniumchlorid. Sm. 250°. 2 +  $PtCl_4$  (*B. 28*, 2216). — IV, 1661.
- $C_{24}H_{25}N_3BrP$  1) Phenyltri[Phenylamido]phosphoniumbromid. Sm. 235° (*B. 28*, 2217). — IV, 1661.
- $C_{24}H_{25}N_3JP$  1) Phenyltri[Phenylamido]phosphoniumjodid. Sm. 165° (*B. 28*, 2217). — IV, 1661.
- $C_{24}H_{25}ON_2Br_2$  1) Phenylurethan d. Verb.  $C_{17}H_{19}ONBr_2$ . Sm. 186—188° (*B. 28*, 2912).
- $C_{24}H_{25}ON_2P$  1) Phenyltri[Phenylamido]phosphoniumoxyhydrat. Sm. 216°. Salze, siehe diese (*B. 28*, 2217). — IV, 1661.
- $C_{24}H_{25}O_3N_3As$  1) Tri[P-Acetylaminidophenyl]arsin. Sm. 230° (*B. 19*, 1035). — IV, 1689.
- $C_{24}H_{25}O_4N_3P$  1) Tri[4-Acetylaminidophenyl]phosphinoxid +  $H_2O$ . Sm. 186—187° wasserfrei (*A. 229*, 330). — IV, 1660.
- $C_{24}H_{25}O_4N_4Br_4$  1) Di[4-Dibrom-3-Keto-1,5-Dimethyl-2-Phenyltetrahydropyrazolyl-4-]essigsäure. Sm. 149—151° u. Zers. (*A. 255*, 244). — IV, 1266.
- $C_{24}H_{25}O_7N_3P$  1) Phosphat d. anti-Methylbenzhydroxamsäure. Sm. 83° (*B. 29*, 1155).  
2) Phenylamid d. Phosphorsäuretri[Oxyessigsäure]. Sm. 196° (*B. 279*, 57).
- $C_{24}H_{25}N_4Cl_4P$  1) Chlorphostetraanilid (*Am. 19*, 357).
- $C_{24}H_{25}ON_2P$  1) Phenylidi[1,2,3,4-Tetrahydro-1-Chinolyl]phosphinoxid. Sm. 216° (*B. 31*, 1045). — IV, 1682.
- $C_{24}H_{25}ON_2P$  1) Verbindung (aus d. Tri[Phenylamid] d. Phosphorsäure u. Amido-benzol). Sm. 180° (*B. 29*, 722).
- $C_{24}H_{25}O_6NJ$  1) Jodmethylat d. Coryeavin +  $1\frac{1}{2}H_2O$ . Zers. bei 218° (*A. 277*, 17). — III, 877.  
2) Jodallylat d. Hydrastin. Sm. 193° (*B. 23*, 2910). — II, 2051.
- $C_{24}H_{25}ON_2Cl$  1) Methylchlorid d. Dimethylidihydroamarin. Sm. 168°. 2 +  $PtCl_4$  +  $H_2O$  (*B. 15*, 2328). — III, 25.
- $C_{24}H_{25}O_3N_2Cl$  1) Strychninchloracetin. 2 +  $PtCl_4$  +  $2H_2O$ ,  $HSO_4$  +  $1\frac{1}{2}H_2O$  (*J. 1874*, 875). — III, 939.
- $C_{24}H_{25}O_3Cl_2Sb$  1) Triäthyläther d. Tri[4-Oxyphenyl]antimonidichlorid. Sm. 84° (*B. 30*, 2842). — IV, 1696.
- $C_{24}H_{25}O_3Br_2Sb$  1) Triäthyläther d. Tri[4-Oxyphenyl]antimonidibromid. Sm. 110 bis 111° (*B. 30*, 2842). — IV, 1696.
- $C_{24}H_{25}O_5J_2Sb$  1) Triäthyläther d. Tri[4-Oxyphenyl]antimonidijodid. Sm. 121 bis 122° (*B. 30*, 2842). — IV, 1696.
- $C_{24}H_{25}O_4N_2S$  1) s-d-Cocainphenylthioharnstoff. Sm. 190—193° (*B. 27*, 1885). — III, 868.
- $C_{24}H_{25}ON_2Br$  1) P-Brom- $\alpha$ -Oxy-4',4<sup>1</sup>,4<sup>2</sup>-Pentamethyltriamidotriphenylmethan. 3HBr (*B. 10*, 1845; *II*, 698). — II, 1088.
- $C_{24}H_{25}O_4N_2S$  1) Aethyläther d. 3,4-Di[Aethylphenylsulfonamido]-1-Oxybenzol. Sm. 121°. — II, 723.
- $C_{24}H_{25}O_2NCl$  1) Chloräthylat d. Narkotin. 2 +  $PtCl_4$  (*A. 247*, 173). — III, 915.  
2) Chloräthylat d. Isonarkotin. 2 +  $PtCl_4$  (*B. 30*, 1746).
- $C_{24}H_{25}O_7NJ$  1) Jodäthylat d. Narkotin. Fl. (*Soc. 29*, 167; *A. 247*, 173). — III, 915.  
2) Jodäthylat d. Isonarkotin. Sm. 183° (*B. 30*, 1746).
- $C_{24}H_{25}O_4N_2Cl$  1) Chlormethylat d. Brucin +  $5H_2O$ . 2 +  $PtCl_4$ , +  $AuCl_3$  (*J. 1859*, 398). — III, 946.  
2)  $\alpha$ -Chlormethylat d. Concusconin. (2 +  $PtCl_4$  +  $4H_2O$ ) (*A. 225*, 240). — III, 929.  
3)  $\beta$ -Chlormethylat d. Concusconin (2 +  $PtCl_4$  +  $5H_2O$ ) (*A. 225*, 242). — III, 929.
- $C_{24}H_{25}O_4N_2Br$  1) Brommethylat d. Brucin +  $2\frac{1}{2}H_2O$  (*J. 1859*, 398). — III, 946.
- $C_{24}H_{25}O_4N_2J$  1)  $\alpha$ -Jodmethylat d. Brucin. Sm. 290° u. Zers. +  $8H_2O$ , +  $J_3$  (*J. 1859*, 398; *B. 14*, 772; *17*, 2267; *18*, 779; *J. pr. [2] 3*, 162). — III, 946.

- $C_{24}H_{29}O_4N_2J$  2)  $\beta$ -Jodmethylat d. Brucin. Sm. 260° u. Zers. (M. 15, 116). — III, 946.  
3)  $\alpha$ -Jodmethylat d. Concusconin (A. 225, 239). — III, 929.  
4)  $\beta$ -Jodmethylat d. Concusconin (A. 225, 242). — III, 929.
- $C_{24}H_{29}O_6N_2J$  1) Jodmethylat d. Narceinimid. Sm. 244—245° (A. 286, 252). — II, 2081.
- $C_{24}H_{30}ON_5P$  1) Orthophosphorsäureäthyltrifluoromethylamid. Sm. 149° (B. 26, 574). — II, 357.  
2) Tri[4-Dimethylamidophenyl]phosphinoxid. Sm. 149—152° (A. 229, 333). — IV, 1660.
- $C_{24}H_{29}O_2N_2Br_2$  1)  $\alpha\beta$ -Di[ $\alpha$ -Bromisovalerophenylamido]äthan. Sm. 147° (B. 31, 3246).  
2)  $\alpha\beta$ -Di[ $\alpha$ -Brombutyryl-2-Methylphenylamido]äthan. Sm. 190° (B. 25, 3260). — II, 463.  
3)  $\alpha\beta$ -Di[ $\alpha$ -Brombutyryl-4-Methylphenylamido]äthan. Sm. 125° (B. 25, 3262). — II, 493.  
4)  $\alpha\beta$ -Di[ $\alpha$ -Bromisobutyryl-2-Methylphenylamido]äthan. Sm. 172 bis 173° (B. 25, 3260). — II, 463.  
5)  $\alpha\beta$ -Di[ $\alpha$ -Bromisobutyryl-4-Methylphenylamido]äthan. Sm. 175° (B. 25, 3262). — II, 494.
- $C_{24}H_{29}O_4N_2S$  1) 4-Methoxybenzaldehyd-2,4-Dimethylphenylthionaminsäures-4-Amino-1,3-Dimethylbenzol. Sm. 111° (A. 274, 235). — III, 82.
- $C_{24}H_{29}ON_5S$  1) Hexamethyltriamidophenylsulfoxid +  $H_2O$ . Sm. 80—90° (200° wasserfrei). Salze siehe (B. 24, 758). — II, 805.
- $C_{24}H_{29}ON_5Si$  1) Tri[4-Dimethylamidophenyl]silicole. Sm. 188—189° (C. 1896 [1] 843).
- $C_{24}H_{29}O_5N_2Cl$  1) Methylester d. Chlormethyl-Methylisostyrchninsäure +  $2H_2O$  (A. 264, 80). — III, 943.
- $C_{24}H_{29}O_5N_2J$  1) Methylester d. Jodmethyl-Methylstyrchninsäure (A. 264, 60). — III, 942.  
2) Methylester d. Jodmethyl-Methylisostyrchninsäure + 2  $H_2O$  (A. 264, 78). — III, 943.
- $C_{24}H_{29}O_4N_2J$  1) Jodmethylat d. Gelseminin (oder  $C_{23}H_{29}O_5N_2J$ ). Sm. 285° u. Zers. (B. 26, 1058). — III, 884.  
2) Jodmethylat d. Velllosin. Sm. 264° (A. 282, 255). — III, 923.
- $C_{24}H_{29}O_5N_2J$  1) Jodmethylat d. Brucinsäure +  $H_2O$ . Sm. 218° u. Zers. (A. 304, 41).  
2) Jodmethylat d. Methylcorydalin. Sm. 195—196° (A. 277, 9). — III, 876.  
2) Jodäthylat d. Corydalin (A. 137, 283). — III, 876.
- $C_{24}H_{29}O_5N_2S_2$  3) Jodäthylat d. Butyrylcodenin +  $H_2O$  (Soc. 28, 321). — III, 905.
- $C_{24}H_{29}ON_2J$  1) Verbindung (aus Sinalbin). Hg (B. 30, 2328).  
1) Jodmethylat d. Diäthylidendincinonin. Sm. oberh. 105° (A. 269, 290). — III, 834.
- $C_{24}H_{29}O_4N_2J_2$  1) Di[Jodäthylat] d. Chinin. Sm. 140° (M. 2, 611; 15, 49). — III, 814.  
2) Di[Jodäthylat] d. Conchinin +  $H_2O$ . Sm. 205° u. Zers.; + 3  $H_2O$  (Sm. 134°) (A. 289, 236; M. 15, 51). — III, 825.
- $C_{24}H_{29}O_5N_2J_2$  1) Di[Jodäthylat] d. Cinchotinin. Zerr. bei 154° (M. 15, 792). — III, 841.
- $C_{24}H_{29}N_2JP$  1) Benzyl-4-Methylphenyldi[1-Piperidyl]phosphoniumjodid. Sm. 125° (B. 31, 1046). — IV, 1682.
- $C_{24}H_{40}ON_2S$  1)  $s$ -Palmityl-2-Methylphenylthioharnstoff. Sm. 65,5—66,5° (Soc. 69, 1506).  
2)  $s$ -Palmityl-4-Methylphenylthioharnstoff. Sm. 75—76° (Soc. 69, 1597).  
3)  $\alpha$ -Palmitylimido- $\alpha$ -Methylphenylamido- $\alpha$ -Merkaptomethan (Palmitylpseudoethylphenylthioharnstoff). Sm. 59—60° (Soc. 69, 1597).  
1) Imidoferrocyanwasserstoffpropyläther. 2HCl (B. 21, 934). — I, 1489.

 **$C_{24}$ -Gruppe mit fünf Elementen.** $C_{24}H_{29}O_{13}N_2S_4P$  1) Säure (aus Chlorphostetraanilid). Ba<sub>2</sub>, Pb<sub>2</sub> (Am. 19, 362).

**C<sub>25</sub>-Gruppe mit einem Element.****C<sub>25</sub>H<sub>20</sub>**

C 93,8 — H 6,2 — M. G. 320.  
1) **Tetraphenylmethan.** Sm. 267,5° (272°) (B. 30, 2045; C. 1898 [2] 1131).

2) **Di[*p*-Biphenyl]methan.** Sm. 162°; Sd. 360° (B. 7, 1188; A. ch. [6] 19, 254). — II, 300.

**C<sub>25</sub>H<sub>22</sub>**

C 93,2 — H 6,8 — M. G. 322.  
1) **Triphenylmethan + Benzol.** Sm. 76° (A. 235, 209; B. 5, 907). — II, 287.

2) **Kohlenwasserstoff (aus *α*-Dypnopinakolin).** Sm. 95,5° (B. 25 [2] 427). — II, 299.

**C<sub>25</sub>H<sub>24</sub>**

C 92,6 — H 7,4 — M. G. 324.  
1) **Kohlenwasserstoff (aus *α*-Dypnopinakolin).** Sm. 145° (B. 25 [2] 427). — II, 298.

**C<sub>25</sub>H<sub>26</sub>**

C 91,5 — H 8,5 — M. G. 328.  
1) **Tri[2,5-Dimethylphenyl]methan.** Sm. 188° (J. pr. [2] 35, 484). — II, 291.

2) **1',3',1'-Trimethyl-4'-Isopropyltriphenylmethan**? Sd. oberh. 360° (J. pr. [2] 35, 498). — II, 291.

3) **Kohlenwasserstoff (aus Paraldehyd).** Sd. 350—360° (B. 7, 1194). — II, 291.

**C<sub>25</sub>H<sub>44</sub>**

C 87,2 — H 12,8 — M. G. 344.  
1) **2-Hexadekyl-1,3,5-Trimethylbenzol.** Sm. bei 40°; Sd. 258—258,5°<sub>15</sub> (154—155°<sub>15</sub>) (B. 21, 3184; 29, 1326). — II, 40.

**C<sub>25</sub>H<sub>52</sub>**

C 85,2 — H 14,8 — M. G. 352.  
1) **Pentakosan.** Sm. 53,5—54° (C. 1896 [1] 642).

**C<sub>25</sub>-Gruppe mit zwei Elementen.****C<sub>25</sub>H<sub>14</sub>O<sub>5</sub>**

C 76,1 — H 3,6 — O 20,3 — M. G. 394.  
1) **Verbindung (aus 2,3-Dichlor-1-Ketoinden u. Natriummalonsäurediäthylester).** Sm. 194° (A. 247, 151). — III, 168.

**C<sub>25</sub>H<sub>16</sub>O<sub>6</sub>**

C 72,8 — H 3,9 — O 23,3 — M. G. 412.  
1) **Diacetat d. Benzoingelb.** Sm. 237° (B. 31, 2976).

**C<sub>25</sub>H<sub>16</sub>O<sub>5</sub>**

C 65,2 — H 3,5 — O 31,3 — M. G. 460.  
1) **Diacetylfluoresceincarbonäure** (B. 11, 1342). — II, 2089.

**C<sub>25</sub>H<sub>16</sub>N<sub>2</sub>**

C 87,2 — H 4,6 — N 8,1 — M. G. 344.  
1) **Chrysotoluzazin.** Sm. 176° (B. 20, 2443; 23, 2438). — IV, 1094.

**C<sub>25</sub>H<sub>18</sub>O**

C 89,8 — H 5,4 — O 4,8 — M. G. 334.  
1) **4,4'-Dibiphenylketon (4,4'-Diphenylbenzophenon).** Sm. 229° (226°) (B. 7, 1189; A. ch. [6] 18, 258). — III, 264.

**C<sub>25</sub>H<sub>18</sub>O<sub>2</sub>**

C 85,7 — H 5,1 — O 9,1 — M. G. 350.  
1) **9,9'-Di[*p*-Oxyphenyl]fluoren.** Sm. oberh. 300° (A. 247, 285). — II, 1008.

**C<sub>25</sub>H<sub>18</sub>O<sub>3</sub>**

C 82,0 — H 4,9 — O 13,1 — M. G. 366.  
1) ***α*,*α*-2-Lakton d. *α*-Oxy-*α*-Phenyl-*α*-[2-Oxy-1-Naphthyl]essigbensyläthersäure.** Sm. 181° (B. 31, 2825).

**C<sub>25</sub>H<sub>18</sub>O<sub>5</sub>**

C 75,4 — H 4,5 — O 20,1 — M. G. 398.  
1) **Anhydroverb. d. δδ-Di[3-Oxy-1,4-Naphtochinonyl-2]-β-Methylbutan.** Sm. oberh. 200° u. Zers. (Soc. 65, 84). — III, 464.

**C<sub>25</sub>H<sub>18</sub>O<sub>7</sub>**

C 69,8 — H 4,2 — O 26,0 — M. G. 430.  
1) **Triacetat d. Verb. C<sub>19</sub>H<sub>12</sub>O<sub>5</sub>.** (B. 26, 1143). — II, 1044.

**C<sub>25</sub>H<sub>18</sub>O<sub>6</sub>**

C 67,3 — H 4,0 — O 28,7 — M. G. 446.  
1) **Triacetat d. Verb. C<sub>19</sub>H<sub>12</sub>O<sub>5</sub>.** Sm. 177° (B. 26, 1145). — II, 1044.

**C<sub>25</sub>H<sub>18</sub>N<sub>2</sub>**

C 86,7 — H 5,2 — N 8,1 — M. G. 346.  
1) **Methylen carbazol.** Sm. noch nicht bei 280° (B. 25, 2766). — IV, 393.

2) **3-Phenylamido-5-Phenylakridin.** Sm. 196—197° (B. 24, 2045). — IV, 1072.

- C<sub>25</sub>H<sub>18</sub>N<sub>4</sub>** C 80,2 — H 4,8 — N 15,0 — M. G. 374.  
1) **Methylphenylfluorindin.** HCl, (2HCl, PtCl<sub>4</sub>) (*B.* **28**, 1545; **29**, 1247). — **IV, 1302.**
- C<sub>25</sub>H<sub>18</sub>N<sub>6</sub>** C 74,6 — H 4,5 — N 20,9 — M. G. 402.  
1) **Phenylhydrazon d. Leukonditoluylenchinoxalin** (*B.* **19**, 777). — **IV, 1302.**
- C<sub>25</sub>H<sub>18</sub>N<sub>3</sub>** C 83,1 — H 5,3 — N 11,6 — M. G. 361.  
1) **Phenyl-4-Methylphenylindulin.** Sm. 227—228° (*A.* **286**, 194).
- C<sub>25</sub>H<sub>20</sub>O** C 89,3 — H 5,9 — O 4,8 — M. G. 336.  
1)  **$\alpha$ -Oxydi( $\beta$ -Biphenyl)methan.** Sm. 151° (*B.* **7**, 1189; *Bl.* **47**, 688). — **II, 1095.**  
2) **Phenyläther d.  $\alpha$ -Oxytriphenylmethan.** Sm. 95° (*C.* **1896** [1] 416). C 85,2 — H 5,7 — O 9,1 — M. G. 352.
- C<sub>25</sub>H<sub>20</sub>O<sub>2</sub>** 1) **2-[4-Methylphenyl]-4-[4-Methylbenzoyl]methylene-1,4-Cumaran** (Dimethylphenacylidenevanen). Sm. 145° (*B.* **31**, 713).  
2) **Benzocat d.  $\alpha$ -Phenyl- $\alpha$ -[2-Oxynaphthalenyl]äthan.** Sm. 138° (*B.* **24**, 3900). — **II, 1149.**
- C<sub>25</sub>H<sub>20</sub>O<sub>4</sub>** C 78,1 — H 5,2 — O 16,6 — M. G. 384.  
1) **Diacetat d. Di[2-Oxynaphthalenyl]methan.** Sm. 211° (214°) (*B.* **25**, 3214, 3480; **26**, 84). — **II, 1006.**  
2) **1-Methyl-3,4-Phenylenester d.  $\beta$ -Phenylakrylsäure.** Sm. 145° (*B.* **25**, 3533). — **II, 1406.**
- C<sub>25</sub>H<sub>20</sub>O<sub>5</sub>** C 75,0 — H 5,0 — O 20,0 — M. G. 400.  
1)  **$\alpha$ -Benzoyl- $\beta$ -Aethyläther d.  $\alpha\beta$ -Dioxy- $\gamma\delta$ -Diketo- $\alpha\delta$ -Diphenyl- $\alpha$ -Buten.** Sm. 147° (*B.* **27**, 713). — **III, 317.**  
2) **Aethylester d. Tribenzoylessigsäure.** Sm. 98° (*A.* **282**, 158). — **II, 1989.**
- C<sub>25</sub>H<sub>20</sub>O<sub>6</sub>** C 72,1 — H 4,8 — O 23,1 — M. G. 416.  
1) **Dicotoin.** Sm. 73—74° (77°) (*A.* **199**, 29; **282**, 195; *B.* **27**, 1185; **28**, 1553). — **III, 202.**  
2)  **$\alpha\epsilon$ -Diketo- $\alpha\gamma\epsilon$ -Triphenylpentan- $\beta\delta$ -Dicarbonsäure** (Benzaldibenzoylessigsäure). Sm. 130° (*B.* **18**, 2374; *A.* **281**, 55). — **II, 2038.**
- C<sub>25</sub>H<sub>20</sub>O<sub>7</sub>** C 69,4 — H 4,6 — O 25,9 — M. G. 432.  
1) **Pseudodicotoin.** Sm. 74—76° (*A.* **282**, 199; *B.* **27**, 1185).
- C<sub>25</sub>H<sub>20</sub>O<sub>8</sub>** C 64,6 — H 4,3 — O 31,0 — M. G. 464.  
1) **Tetracetat d. 3,4,5-Trioxypyrenyl-4-Oxy-1-Naphthylketon.** Sm. 129° (*A.* **280**, 314). — **III, 256.**
- C<sub>25</sub>H<sub>20</sub>O<sub>12</sub>** C 58,6 — H 3,9 — O 37,5 — M. G. 512.  
1) **Pentaacetat d. Quercetin.** Sm. 189—191° (*M.* **5**, 88; **6**, 890; *A.* **196**, 319; *B.* **17**, 1682; *Noc.* **67**, 31). — **III, 605.**  
2) **Pentaacetat d. Farbstoffs C<sub>15</sub>H<sub>10</sub>O<sub>7</sub>.** Sm. 188—190° (*C.* **1898** [1] 1306). C 86,2 — H 5,7 — N 8,0 — M. G. 348.
- C<sub>25</sub>H<sub>20</sub>N<sub>2</sub>** 1) **4-[ $\alpha$ -Phenylhydrazonbenzyl]biphenyl.** Sm. 144° (*M.* **12**, 508). — **IV, 778.**  
2)  **$\alpha$ -Phenylazotriphenylmethan.** Sm. 111° (*B.* **30**, 2045; *C.* **1898** [2] 1131). — **IV, 1404.**  
3) **Dimethylrosindol.** Sm. bei 270°. HCl (*B.* **20**, 815). — **IV, 1091.**
- C<sub>25</sub>H<sub>20</sub>N<sub>4</sub>** C 79,8 — H 5,3 — N 14,9 — M. G. 376.  
1) **4-Phenylformazylbenzol** (Formazyl diphenyl). Sm. 174° (*B.* **31**, 480; *A.* **300**, 253). — **IV, 1403.**  
2) **4-Methylphenylamidoaposafranin.** Sm. 219—220°. HCl (*B.* **28**, 1716; **29**, 365). — **IV, 1280.**
- C<sub>25</sub>H<sub>20</sub>N<sub>6</sub>** C 74,2 — H 4,9 — N 20,8 — M. G. 404.  
1) **Verbindung** (aus 4-Amidonbenzol u. Orthoameisenäther). Sm. 191 bis 193° (*J. pr.* [2] **53**, 476). — **IV, 1357.**
- C<sub>25</sub>H<sub>20</sub>S<sub>2</sub>** 1) **Diphenyläther d.  $\alpha\alpha$ -Dimerkaptodiphenylmethan.** Sm. 139° (*B.* **18**, 888). — **III, 180.**
- C<sub>25</sub>H<sub>21</sub>N** C 89,6 — H 6,2 — N 4,2 — M. G. 335.  
1)  **$\alpha$ -Phenylamidotriphenylmethan.** Sm. 146° (144,5°) (*B.* **17**, 703, 746). — **II, 642.**
- C<sub>25</sub>H<sub>21</sub>N<sub>3</sub>** C 82,6 — H 5,8 — N 11,6 — M. G. 363.  
1) **Tetraphenylguanidin.** Sm. 130—131°. HCl + 5H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> (*B.* **7**, 843). — **II, 351.**

- C<sub>25</sub>H<sub>23</sub>O** C 88,8 — H 6,5 — O 4,7 — M. G. 338.  
 1) **4-Keto-6-Methyl-1,2,3-Triphenyl-1,2,3,4-Tetrahydrobenzol?** Sm. 140° (M. 19, 418).  
**C<sub>25</sub>H<sub>23</sub>O<sub>4</sub>** C 77,7 — H 5,7 — O 16,6 — M. G. 386.  
 1) **Methylrosol + H<sub>2</sub>O (M. 16, 396).**  
 2) **Acetat d.  $\alpha\beta$ -Diketo- $\gamma$ -[2-Oxyphenyl]- $\alpha\beta$ -Diphenylpentan.** Sm. 83 bis 84° (B. 29, 243). — III, 307.  
 3) **Diacetat d. 9,10-Dioxy-10-Benzyl-9,10-Dihydroanthracen.** Sm. 126° (B. [3] 6, 92). — III, 245.  
**C<sub>25</sub>H<sub>23</sub>O<sub>5</sub>** C 74,6 — H 5,5 — O 19,9 — M. G. 402.  
 1) **Dibenzosat d. Isobutyl-2,5-Dioxyphenylketon.** Sm. 105° (B. 24, 1345). — III, 153.  
**C<sub>25</sub>H<sub>23</sub>O<sub>6</sub>** C 71,8 — H 5,3 — O 22,9 — M. G. 418.  
 1) **Triacetat d. s-Trioxypyrenimethan.** Sm. 138—139° (A. 202, 197 B. 11, 1117; M. 15, 80). — II, 1028.  
 2) **Aethylester d. meso- $\alpha\beta$ -Dibenzoxyl- $\beta$ -Phenylpropionsäure.** Sm. 85° (B. 30, 1605).  
 3) **Aethylester d. isom.  $\alpha\beta$ -Dibenzoxyl- $\beta$ -Phenylpropionsäure.** Sm. 109° (B. 11, 1221; 12, 539; 16, 1288). — II, 1761.  
 C 69,1 — H 5,1 — O 25,8 — M. G. 434.  
**C<sub>25</sub>H<sub>23</sub>O<sub>7</sub>** 1) **4-Triacetat d.  $\alpha$ -Oxetyl[4-Oxyphenyl]methan (Triacetat d. Aurin).** Sm. 171—172° (B. 11, 1122; M. 15, 74; 17, 191; A. 196, 84; 202, 191). — II, 1120.  
 2) **isom. Triacetat d. Aurin.** Sm. 145—147° (M. 17, 194).  
 3) **Tribenzosat d. Erythrit.** Sm. 108—110° (A. 301, 102).  
 4) **Verbindung (aus Leukorosol) (M. 16, 390).**  
 C 62,2 — H 4,6 — O 33,2 — M. G. 482.  
**C<sub>25</sub>H<sub>23</sub>O<sub>10</sub>** 1) **Huminsubstanz (aus Lävulose) (C. 1895 [2] 593).**  
**C<sub>25</sub>H<sub>23</sub>O<sub>14</sub>** C 54,9 — H 4,0 — O 41,0 — M. G. 546.  
**C<sub>25</sub>H<sub>23</sub>N<sub>7</sub>** 1) **Pentacylquercinsäure (A. 238, 369).** — III, 589.  
 C 85,7 — H 6,3 — N 8,0 — M. G. 350.  
 1)  **$\alpha$ -Phenylhydrazidotriphenylmethan.** Sm. bei 135° (B. 30, 2044). — IV, 1044.  
 2) **2,4-Di[Cinnamylidenamido]-1-Methylbenzol (A. 239, 384; 253, 332).** — IV, 607.  
 3) **4,5-Dicinnamyl-2-Phenyl-4,5-Dihydroimidazol (Benzylideneiminnyl-diamin).** Sm. 207°. (2HCl, P(Cl<sub>4</sub> + 2H<sub>2</sub>O) (Soc. 49, 469). — III, 286.  
 4)  **$\alpha$ -Phenyl- $\alpha$ -Di[3-Methyl-2-Indolyl]methan (Benzylidendifskatol).** Sm. 140—142° (A. 239, 241). — IV, 222.  
 5)  **$\alpha$ -Phenyl- $\alpha$ -Di[1-Methyl-3-Indolyl]methan.** Sm. 197° (A. 242, 377; B. 19, 2988). — IV, 219, 1088.  
 6)  **$\alpha$ -Phenyl- $\alpha$ -Di[2-Methyl-3-Indolyl]methan.** Sm. 246—247° (A. 242, 373). — IV, 1089.  
 7) **1-Aethyl-2,3-Diphenyl-1,2-Dihydro- $\alpha$ -Naphtimidazol.** Sm. 108° (B. 26, 191). — IV, 920.  
 8) **1-Benzyl-3-[4-Methylphenyl]-1,2-Dihydro- $\alpha$ -Naphtimidazol.** Sm. 125° (B. 27, 2779). — IV, 918.  
**C<sub>25</sub>H<sub>23</sub>S** 1)  **$\beta$ -Triphenylmethyl-2-Aethylthiophen.** Sm. 111° (B. 29, 1403). — III, 750.  
**C<sub>25</sub>H<sub>23</sub>N<sub>3</sub>** C 82,2 — H 6,3 — N 11,5 — M. G. 365.  
 1)  **$\alpha$ -[3-Amidophenyl]- $\alpha\beta$ -Di[2-Methyl-3-Indolyl]methan (A. 242, 375).** — IV, 1089.  
**C<sub>25</sub>H<sub>24</sub>O<sub>2</sub>** C 84,3 — H 6,7 — O 9,0 — M. G. 356.  
 1)  **$\alpha\beta$ -Diketo- $\gamma$ -Phenyl- $\alpha\beta$ -Di[4-Methylphenyl]pentan (Benzaldi-Methyl-p-Tolyketon).** Sm. 115—116° (B. 29, 2247).  
 2) **Lakton d. Dimethylamarsäure.** Sm. 137° (J. 1877, 814). — II, 1725.  
 C 80,6 — H 6,4 — O 12,9 — M. G. 372.  
 1)  **$\alpha\beta$ -Diketo- $\gamma$ -[2-Oxyphenyl]- $\alpha\beta$ -Di[4-Methylphenyl]pentan.** Sm. 131 bis 132° (B. 29, 243). — III, 308.  
 2) **Aethyläther d.  $\alpha\beta$ -Diketo- $\gamma$ -[2-Oxyphenyl]- $\alpha\beta$ -Diphenylpentan.** Sm. 95° (B. 29, 1490 Ann.). — III, 307.  
 3) **Verbindung (aus Benzylchlorid).** Sm. 310—320° (Soc. 37, 722). — II, 46.  
 C 77,3 — H 6,2 — O 16,5 — M. G. 388.  
 1) **Methylleukorosol (M. 16, 397).**

- C<sub>25</sub>H<sub>24</sub>O<sub>4</sub>** 2) Diäthylätherdi[2-Naphthylkether] d. Tetraoxymethan (Orthokohlen-säurediäthyl-2-Dinaphthylkether). Sd. 298—301° (B. 13, 701). — **II.**, 878.  
 3) Diacetat d. *p*-Dioxy-*p*-Dimethyltriphenylmethan. Sm. 94° (A. 257, 71). — **II.**, 1004.
- C<sub>25</sub>H<sub>24</sub>O<sub>6</sub>** 4) Benzoat d. Ostruthin. Sm. 93°. — **III.**, 639.  
 C 71,4 — H 5,7 — O 22,9 — M. G. 420.
- C<sub>25</sub>H<sub>24</sub>O<sub>7</sub>** 1) Benzoat d. Peruresinotanol (B. 27 [2] 312).  
 C 68,8 — H 5,5 — O 25,7 — M. G. 436.
- C<sub>25</sub>H<sub>24</sub>O<sub>8</sub>** 1) Verbindung (aus Methyrosol) (M. 16, 398).  
 C 66,4 — H 5,3 — O 28,3 — M. G. 452.
- C<sub>25</sub>H<sub>24</sub>O<sub>11</sub>** 1) Diacetat d. Curcumin. Sm. 170—171° (B. 30, 193).  
 C 60,0 — H 4,8 — O 35,2 — M. G. 500.
- C<sub>25</sub>H<sub>24</sub>O<sub>12</sub>** 1) Diacetat d. Katchein. Sm. 129—131° (B. 13, 695). — **III.**, 686.  
 C 58,1 — H 4,6 — O 37,2 — M. G. 516.
- C<sub>25</sub>H<sub>24</sub>O<sub>13</sub>** 1) Pentaacetylvitexin. Sm. 231—256° (Soc. 73, 1022).  
 C 80,2 — H 6,9 — O 12,8 — M. G. 374.
- C<sub>25</sub>H<sub>24</sub>O<sub>5</sub>** 1) Dimethylamarsäure. Sm. 182°. Ba + 2H<sub>2</sub>O, Ag (J. 1877, 814; A. 275, 69). — **IV.**, 1725.
- C<sub>25</sub>H<sub>24</sub>O<sub>9</sub>** C 63,8 — H 5,5 — O 30,6 — M. G. 470.
- C<sub>25</sub>H<sub>24</sub>O<sub>10</sub>** 1) Eupittonssäure. Sm. 200° u. Zers. Na<sub>2</sub>, Ba (B. 9, 334; 11, 1457, 2085; 12, 1377, 2216). — **II.**, 2092.  
 C 61,7 — H 5,4 — O 32,9 — M. G. 486.
- C<sub>25</sub>H<sub>24</sub>O<sub>14</sub>** 1) Triäthylester d. Dibenzoyldeoxalsäure (J. pr. [2] 20, 155). — **II.**, 1155.  
 2) Verbindung (aus 1,4-Dioxybenzol u. Acetinsäure). Sm. 60° u. Zers. (B. 19, 1003). — **II.**, 941.
- C<sub>25</sub>H<sub>24</sub>O<sub>14</sub>** C 54,5 — H 4,7 — O 40,7 — M. G. 550.
- C<sub>25</sub>H<sub>24</sub>N<sub>2</sub>** 1) Pentaacetat d. Aesculin. Sm. 130° (A. 161, 73; B. 13, 1952). — **III.**, 567.  
 C 81,7 — H 7,3 — N 7,9 — M. G. 354.
- C<sub>25</sub>H<sub>24</sub>N<sub>2</sub>** 1) Diäthylamin. Sm. 110—115°. HCl, HJ (A. 110, 83). — **III.**, 23.  
 2) Diäthyllopholin + H<sub>2</sub>O. (HCl, AuCl<sub>3</sub>), HJ, HNO<sub>3</sub> (A. 122, 327). — **III.**, 27.  
 3) Phenylid[1,2,3,4-Tetrahydrochinolyl]methan. Sm. 152—153° (B. 19, 1243). — **IV.**, 1077.  
 C 81,3 — H 7,3 — N 11,4 — M. G. 369.
- C<sub>25</sub>H<sub>24</sub>N<sub>2</sub>** 1) Valerylidenerosanilin (Z. 1867, 176). — **II.**, 1093.  
 2) Triäthylchrysanilin. (2HCl, PtCl<sub>4</sub>), 2HJ + 1V, H<sub>2</sub>O (B. 2, 380). — **IV.**, 1211.
- C<sub>25</sub>H<sub>24</sub>O** C 87,2 — H 8,1 — O 4,6 — M. G. 344.
- C<sub>25</sub>H<sub>24</sub>O<sub>4</sub>** 1) Methyläther d. 3-Oxy-*p*-Dibenzyl-4-Isopropyl-1-Methylbenzol. Sm. 89—90° (G. 11, 434). — **II.**, 905.
- C<sub>25</sub>H<sub>24</sub>O<sub>4</sub>** C 76,5 — H 7,1 — O 16,3 — M. G. 392.
- C<sub>25</sub>H<sub>24</sub>O<sub>4</sub>** 1) Benzyl-Geranylester d. Benzol-1,2-Dicarbonsäure (Benzylester d. Rhodinolphatsäure). Fl. (J. pr. [2] 56, 24).  
 C 70,8 — H 6,6 — O 22,6 — M. G. 424.
- C<sub>25</sub>H<sub>24</sub>O<sub>6</sub>** 1) Triäthylester d.  $\beta\delta$ -Diphenyl-*a*-Buten-*a*<sub>7</sub>-Tricarbonsäure. Sd. 260 bis 265°<sub>12</sub> (Soc. 75, 249).  
 C 65,8 — H 6,1 — O 28,1 — M. G. 456.
- C<sub>25</sub>H<sub>24</sub>O<sub>6</sub>** 1) Tetraäthylätheracetat d. Quercetin. Sm. 151—153° (M. 9, 542). — **III.**, 605.
- C<sub>25</sub>H<sub>24</sub>O<sub>11</sub>** C 59,5 — H 5,5 — O 34,9 — M. G. 504.
- C<sub>25</sub>H<sub>24</sub>O<sub>13</sub>** 1) Nataloin. Zers. bei 160° (Bt. 17, 328; 18, 182). — **III.**, 618.  
 C 56,0 — H 5,2 — O 38,8 — M. G. 536.
- C<sub>25</sub>H<sub>24</sub>N<sub>4</sub>** 1) Cyclopin + H<sub>2</sub>O (J. 1881, 1019). — **III.**, 629.
- C<sub>25</sub>H<sub>24</sub>N<sub>4</sub>** C 78,1 — H 7,3 — N 14,6 — M. G. 384.
- C<sub>25</sub>H<sub>24</sub>N<sub>6</sub>** 1) Phenylhydrazon d. Cinchotoxin. Sm. 148° (B. 28, 1067). — **IV.**, 798.  
 C 68,2 — H 6,4 — N 25,4 — M. G. 440.
- C<sub>25</sub>H<sub>24</sub>N<sub>6</sub>** 1) Carbo-*m*-Amidotetraimidozenol. Fl. 8HCl (B. 10, 1719). — **IV.**, 578.  
 2) Carbo-*p*-Amidotetraimidozenol. Sm. 138° (B. 10, 1718). — **IV.**, 594.  
 C 67,4 — H 8,4 — N 4,1 — M. G. 343.
- C<sub>25</sub>H<sub>24</sub>N<sub>6</sub>** 1) 3,5-Di[4-Isopropylbenzyl]pyridin. Sm. 76—77°. HCl, (2HCl, PtCl<sub>4</sub>), (2HCl, HgCl<sub>2</sub>), (2HCl, CdCl<sub>2</sub>), Acetat + Cu-Acetat, Pikrat (A. 280, 61). — **IV.**, 458.

- C<sub>28</sub>H<sub>30</sub>N<sub>5</sub>** C 80,8 — H 7,8 — N 11,3 — M. G. 371.  
 1) **Triäthylimauvanilin** (*Z. 1867*, 237). — **III**, 678.  
 2) **Phenyldi[4-Propylphenyl]guanidin** (*B. 17*, 1226). — **II**, 549.
- C<sub>28</sub>H<sub>30</sub>O<sub>4</sub>** C 76,1 — H 7,6 — O 16,2 — M. G. 394.  
 1) **Dibensylesterd. Hydrocamphocarbonsäure**. Sm. 260—290° — **II**, 1052.
- C<sub>28</sub>H<sub>30</sub>O<sub>12</sub>** C 57,5 — H 5,7 — O 36,8 — M. G. 522.  
 1) **Pikrotin**, siehe C<sub>15</sub>H<sub>10</sub>O<sub>7</sub>. — **III**, 643.
- C<sub>28</sub>H<sub>30</sub>O<sub>16</sub>** C 51,2 — H 5,1 — O 43,7 — M. G. 586.  
 1) **Oxacyclopent** (*J. 1881*, 1019). — **III**, 629.  
 2) **Robinin + 5<sup>1/2</sup>H<sub>2</sub>O?** Sm. 195° (*A. Spt. 1*, 257). — **III**, 606.  
 C 83,8 — H 8,3 — N 7,8 — M. G. 358.
- C<sub>28</sub>H<sub>31</sub>N<sub>2</sub>** 1) **2',2'-Di[Dimethylamido]-4',4'-Dimethyltrifluorophenylmethan**. Sm. 123° (109%). (2HCl, 1<sup>1/2</sup>Cl<sub>4</sub> + 2H<sub>2</sub>O) (*B. 18*, 809; **24**, 557). — **IV**, 1046.  
 C 80,4 — H 8,3 — N 11,3 — M. G. 373.
- C<sub>28</sub>H<sub>31</sub>N<sub>5</sub>** 1) **Tri[4-Dimethylamidophenyl]methan**. Sm. 173°. (6HCl, 3PtCl<sub>4</sub>) (*B. 6*, 361; **12**, 799; **14**, 1952; **16**, 707, 2007; **17**, 99; **18**, 769; **20**, 2421; **31**, 1774). — **IV**, 1195.  
 2) **Isom. Tri[4-Dimethylamidophenyl]methan**. Sm. 250° (*B. 11*, 2097). — **IV**, 1195.  
 3) **4'-Amido-4<sup>1/2</sup>,4<sup>1/2</sup>-Di[Dimethylamido]-2',6'-Dimethyltrifluorophenylmethan**. Sm. 158° (*B. 24*, 3134). — **IV**, 1198.  
 4) **3'-Amido-2<sup>1/2</sup>,2<sup>1/2</sup>-Di[Dimethylamido]-4',4'-Dimethyltrifluorophenylmethan**. Sm. 131° (*B. 24*, 500). — **IV**, 1198.  
 5) **4'-Amido-2<sup>1/2</sup>,2<sup>1/2</sup>-Di[Dimethylamido]-4',4'-Dimethyltrifluorophenylmethan**. Sm. 139° (*B. 20*, 1564). — **IV**, 1198.
- C<sub>28</sub>H<sub>31</sub>O<sub>10</sub>** C 61,0 — H 6,5 — O 32,5 — M. G. 492.  
 1) **Teträthylester d.  $\beta$ , $\beta$ -Diketo-d-Phenylheptan- $\alpha$ - $\gamma$ -Tetracarbonsäure**. Sm. 146° (130%) (*A. 288*, 347; *B. 31*, 1392).
- C<sub>28</sub>H<sub>32</sub>O<sub>14</sub>** C 54,0 — H 5,7 — O 40,3 — M. G. 556.  
 1) **Diarbutin**, Fl. (*A. 154*, 245). — **III**, 572.
- C<sub>28</sub>H<sub>33</sub>N<sub>4</sub>** C 77,3 — H 8,2 — N 14,4 — M. G. 388.  
 1) **Asellin**. (2HCl, PtCl<sub>4</sub>) (*Bl. [3]* 2, 226). — **III**, 888.
- C<sub>28</sub>H<sub>34</sub>O<sub>2</sub>** C 82,0 — H 9,3 — O 8,7 — M. G. 366.  
 1) **Sycocerylester d. Benzocarbonsäure** (*J. 1861*, 641). — **II**, 1144.
- C<sub>28</sub>H<sub>34</sub>O<sub>4</sub>** C 75,4 — H 8,5 — O 16,1 — M. G. 398.  
 1) **Bensoat d. Ammorestannol** (*B. 29* [2] 37).
- C<sub>28</sub>H<sub>34</sub>O<sub>14</sub>** C 53,8 — H 6,1 — O 40,1 — M. G. 558.  
 1) **Loganin**. Sm. 215° (*J. 1884*, 1409). — **III**, 596.
- C<sub>28</sub>H<sub>34</sub>N<sub>2</sub>** C 82,9 — H 9,4 — N 7,7 — M. G. 362.  
 1) **Diallylönäthylidendiphenyldiamin**, Fl (*A. Spt. 3*, 365). — **II**, 445.
- C<sub>28</sub>H<sub>35</sub>O<sub>4</sub>** C 75,0 — H 9,0 — O 16,0 — M. G. 400.  
 1) **Lupulinsäure**. Sm. 92—93%. Cu (*J. 1863*, 598; *Bl. 45*, 489; *B. 31*, 2022). — **II**, 2110.
- C<sub>28</sub>H<sub>36</sub>O<sub>5</sub>** C 72,1 — H 8,6 — O 19,2 — M. G. 416.  
 1) **Methylester d. Dehydrocholsäure** (*B. 14*, 74). — **II**, 1969.
- C<sub>28</sub>H<sub>36</sub>O<sub>8</sub>** C 64,6 — H 7,8 — O 27,6 — M. G. 464.  
 1) **Biliansäure + 2H<sub>2</sub>O**. Sm. 264° (wasserfrei). K, Ca<sub>2</sub> + 5H<sub>2</sub>O, Ba + 2H<sub>2</sub>O, Ba<sub>2</sub> + 17H<sub>2</sub>O, Pb, Pb<sub>2</sub>, Ag<sub>2</sub>, Ag<sub>3</sub> (*Bl. 25*, 379, 429; *B. 15*, 2366; **19**, 490; **20**, 1982; **32**, 683; *H. 25*, 304). — **II**, 2076.  
 2) **IsoBiliansäure + H<sub>2</sub>O** (oder C<sub>24</sub>H<sub>34</sub>O<sub>8</sub>). Sm. 234—237° u. Zers. K, Ba + 6H<sub>2</sub>O, Ag<sub>2</sub> (*B. 19*, 1530; **20**, 1986; **32**, 684). — **II**, 2077.
- C<sub>28</sub>H<sub>36</sub>O<sub>9</sub>** C 62,5 — H 7,5 — O 30,0 — M. G. 480.  
 1) **Pseudocholeolidansäure + 4<sup>1/2</sup>H<sub>2</sub>O** (oder C<sub>18</sub>H<sub>34</sub>O<sub>7</sub>). Ba + 10H<sub>2</sub>O, Pb<sub>3</sub>, Ag<sub>2</sub>, Ag<sub>3</sub> (*Bl. 38*, 135).
- C<sub>28</sub>H<sub>36</sub>O<sub>10</sub>** C 74,6 — H 9,4 — O 15,9 — M. G. 402.  
 1)  **$\beta$ -Copal-Rosen**, Zers. oberh. 140° (*C. 1896* [2] 796).
- C<sub>28</sub>H<sub>36</sub>O<sub>7</sub>** 2) **Dehydrocholeinsäure**, siehe C<sub>28</sub>H<sub>34</sub>O<sub>7</sub>.  
 C 66,7 — H 8,4 — O 4,9 — M. G. 450.  
 1) **Cholansäure + 1<sup>1/2</sup>H<sub>2</sub>O** (oder C<sub>28</sub>H<sub>34</sub>O<sub>7</sub>). Sm. 285° u. Zers. K<sub>2</sub> + 4H<sub>2</sub>O, Ba + 4H<sub>2</sub>O, Ba<sub>2</sub> + 12H<sub>2</sub>O, Pb<sub>2</sub> + H<sub>2</sub>O, Ag<sub>2</sub> (*A. 194*, 231; *B. 6*, 1282; **11**, 2288; **13**, 1053; **14**, 1492; **15**, 713; **18**, 3045; **19**, 474; *Bl. 35*, 432; **38**, 133; *H. 25*, 311). — **II**, 2016.

- C<sub>25</sub>H<sub>39</sub>O:** 2) **Isocholansäure.** Sm. 247—248°. K, K<sub>2</sub>, Ba, BaH, Ba<sub>2</sub> + 6H<sub>2</sub>O, Pb<sub>2</sub> + 4H<sub>2</sub>O, Cu<sub>2</sub> + 2CuO + 6H<sub>2</sub>O, Ag<sub>2</sub> (B. 15, 713; 19, 1520). — II, 2017.
- C<sub>25</sub>H<sub>39</sub>O<sub>14</sub>:** C 53,4 — H 6,8 — O 39,8 — M. G. 562.
- C<sub>25</sub>H<sub>39</sub>N<sub>7</sub>:** 1) **Heptaäthyester d. Butan-*a*-*ββγγδ*-Heptacarbonsäure.** Sd. 280 bis 285°<sub>150</sub> (B. 21, 2116). — I, 873.
- C<sub>25</sub>H<sub>39</sub>N<sub>7</sub>:** C 82,0 — H 10,4 — N 7,6 — M. G. 366.
- C<sub>25</sub>H<sub>41</sub>O<sub>8</sub>:** 1) **Diisoamylamidodibenzylamidomethan** (Bl. [3] 13, 158).
- C<sub>25</sub>H<sub>41</sub>O<sub>8</sub>:** C 80,6 — H 10,7 — O 8,6 — M. G. 372.
- C<sub>25</sub>H<sub>41</sub>O<sub>8</sub>:** 1) **Echikautschin** (A. 178, 58). — III, 629.
- C<sub>25</sub>H<sub>41</sub>O<sub>8</sub>:** C 77,3 — H 10,3 — O 12,4 — M. G. 388.
- C<sub>25</sub>H<sub>41</sub>O<sub>4</sub>:** 1) **Stearinbenzolcarbonsäureanhydrid.** Sm. 70° (A. 91, 104). — II, 1158.
- C<sub>25</sub>H<sub>41</sub>O<sub>4</sub>:** 2) **Verbindung** (aus Braunkohle) (J. 1852, 648). — I, 689.
- C<sub>25</sub>H<sub>41</sub>O<sub>4</sub>:** C 74,3 — H 9,9 — O 15,8 — M. G. 404.
- C<sub>25</sub>H<sub>41</sub>O<sub>5</sub>:** 1) **α-Hydrocholsäure.** Na, Ba, Ag (A. 70, 192; H. 13, 232). — I, 736.
- C<sub>25</sub>H<sub>41</sub>O<sub>5</sub>:** 2) **Cholestensäure** (oder C<sub>28</sub>H<sub>49</sub>O<sub>5</sub>?). Sm. 60—70°. Cu, Ag (J. r. 9, 82). — II, 1074.
- C<sub>25</sub>H<sub>41</sub>O<sub>5</sub>:** C 71,4 — H 9,5 — O 19,1 — M. G. 420.
- C<sub>25</sub>H<sub>41</sub>O<sub>6</sub>:** 1) **Oxycholestensäure.** Pb, Cu, Ag (J. r. 9, 82). — II, 1074.
- C<sub>25</sub>H<sub>41</sub>O<sub>6</sub>:** C 68,8 — H 9,2 — O 22,0 — M. G. 436.
- C<sub>25</sub>H<sub>41</sub>O<sub>6</sub>:** 1) **Dioxycholestensäure.** K, Ca, Pb, Cu, Ag (J. r. 9, 82). — II, 1074.
- C<sub>25</sub>H<sub>41</sub>O<sub>10</sub>:** C 60,0 — H 8,0 — O 32,0 — M. G. 500.
- C<sub>25</sub>H<sub>41</sub>S<sub>2</sub>:** 1) **Glykosid** (aus Adonis aestivalis) (C. 1898 [2] 590).
- C<sub>25</sub>H<sub>41</sub>O:** 2) **Tetraäthylester d. β,β'-Diketo-δ-Hexylheptan-*a*-*γεη*-Tetracarbonsäure** (T. d. Oenanthylidenbisacetondicarbonsäure). Sm. 125° (A. 288, 359).
- C<sub>25</sub>H<sub>41</sub>O:** 1) **Verbindung** (aus Asphalt). — III, 564.
- C<sub>25</sub>H<sub>41</sub>O:** C 83,8 — H 11,7 — O 4,5 — M. G. 358.
- C<sub>25</sub>H<sub>41</sub>O:** 1) **Heptadekyl-4-Methylphenylketon.** Sm. 67°; Sd. 278°<sub>15</sub> (174°<sub>6</sub>) (B. 21, 2265; 29, 1327). — III, 157.
- C<sub>25</sub>H<sub>41</sub>O:** 2) **Pentadekyl-2,4,6-Trimethylphenylketon.** Sm. 35°; Sd. 280°<sub>15</sub> (J. pr. [2] 54, 402).
- C<sub>25</sub>H<sub>41</sub>O<sub>2</sub>:** C 80,2 — H 11,2 — O 8,6 — M. G. 374.
- C<sub>25</sub>H<sub>41</sub>O<sub>2</sub>:** 1) **4-Methylphenylester d. Stearinsäure.** Sm. 54°; Sd. 276°<sub>15</sub> (B. 17, 1380). — II, 749.
- C<sub>25</sub>H<sub>41</sub>O<sub>3</sub>:** C 76,9 — H 10,8 — O 12,3 — M. G. 390.
- C<sub>25</sub>H<sub>41</sub>O<sub>3</sub>:** 1) **Trioxcholesterin** (J. r. 10, 358). — II, 1074.
- C<sub>25</sub>H<sub>41</sub>O<sub>4</sub>:** C 73,9 — H 10,3 — O 15,8 — M. G. 406.
- C<sub>25</sub>H<sub>41</sub>O<sub>5</sub>:** 1) **Choleinsäure**, siehe C<sub>24</sub>H<sub>40</sub>O<sub>4</sub>. — I, 735.
- C<sub>25</sub>H<sub>41</sub>O<sub>5</sub>:** C 71,1 — H 9,9 — O 19,0 — M. G. 422.
- C<sub>25</sub>H<sub>41</sub>O<sub>5</sub>:** 1) **Cholsäure + H<sub>2</sub>O** (B. 20, 3274) siehe auch C<sub>24</sub>H<sub>40</sub>O<sub>5</sub>.
- C<sub>25</sub>H<sub>41</sub>O<sub>5</sub>:** 2) **Methylester d. Cholsäure.** Sm. 147° (J. pr. [2] 89, 272; H. 10, 193). — I, 782.
- C<sub>25</sub>H<sub>41</sub>O:** C 83,3 — H 12,2 — O 4,4 — M. G. 360.
- C<sub>25</sub>H<sub>41</sub>O:** 1) **Ilicylalkohol** (oder C<sub>24</sub>H<sub>39</sub>O). Sm. 175°; Sd. oberh. 350° (Bl. 42, 150; Soc. 53, 676). — II, 1069.
- C<sub>25</sub>H<sub>41</sub>O:** 2) **Alkohol** (aus Sesamöl). Sm. 137,5° (C. 1897 [2] 773).
- C<sub>25</sub>H<sub>41</sub>O:** 3) **Aethyläther d. P-Oxy-4-Hexadekyl-1-Methylbenzol.** Sm. 26,5—27° (B. 21, 3183). — II, 777.
- C<sub>25</sub>H<sub>41</sub>O<sub>8</sub>:** C 63,6 — H 9,3 — O 27,1 — M. G. 472.
- C<sub>25</sub>H<sub>41</sub>O<sub>8</sub>:** 1) **Tetraäthylester d. β,β'-Dimethylundekan-δδγγ-Tetracarbonsäure.** Sm. 257—263°<sub>10</sub> (Soc. 59, 841). — I, 863.
- C<sub>25</sub>H<sub>41</sub>N<sub>7</sub>:** C 80,6 — H 11,8 — N 7,5 — M. G. 372.
- C<sub>25</sub>H<sub>41</sub>N<sub>7</sub>:** 1) **δ-Phenylhydrasnononadekan.** Fl. (Bl. [3] 15, 767). — IV, 769.
- C<sub>25</sub>H<sub>41</sub>O<sub>12</sub>:** C 55,8 — H 8,5 — O 35,7 — M. G. 538.
- C<sub>25</sub>H<sub>41</sub>O:** 1) **Purginsäure.** Ba (C. 1897 [1] 419).
- C<sub>25</sub>H<sub>41</sub>O:** C 82,4 — H 13,2 — O 4,4 — M. G. 364.
- C<sub>25</sub>H<sub>41</sub>O:** 1) **Ambrain.** Sm. 36° (A. 6, 25). — II, 1076.
- C<sub>25</sub>H<sub>41</sub>O<sub>5</sub>:** C 75,7 — H 12,1 — O 12,1 — M. G. 396.
- C<sub>25</sub>H<sub>41</sub>O<sub>5</sub>:** 1) **Valerylarachinsäureanhydrid.** Sm. 68° (B. 11, 2031). — I, 464.
- C<sub>25</sub>H<sub>41</sub>O<sub>5</sub>:** C 72,8 — H 11,7 — O 15,5 — M. G. 412.
- C<sub>25</sub>H<sub>41</sub>O<sub>5</sub>:** 1) **Säure** (aus d. Glykol C<sub>25</sub>H<sub>50</sub>O<sub>2</sub>). Sm. 102,5°. Pb (A. 223, 300). — I, 691.
- C<sub>25</sub>H<sub>41</sub>N:** C 82,6 — H 13,5 — N 3,9 — M. G. 363.
- C<sub>25</sub>H<sub>41</sub>N:** 1) **Nitril d. Cerotinsäure.** Sm. 58° (C. 1898 [1] 642).

- C<sub>25</sub>H<sub>50</sub>O<sub>7</sub>** C 78,5 — H 13,1 — O 8,4 — M. G. 382.  
 1) **Cerotinsäure.** Sm. 77,9°. Mg, Ba, Pb, Ag (*A.* 235, 145; *C.* 1896 [1] 642). — **I.**, 448.  
 2) **Hyaenasäure.** Sm. 77—78°. Ca, Pb (*A.* 129, 168). — **I.**, 448.  
 3) **Methylester d. Lignocerinsäure.** Sm. 56,5—57° (*B.* 13, 1717). — **I.**, 448.  
 4) **Isoamylester d. Arachinsäure.** Sm. 44,8—45°; Sd. 295—298°<sub>100</sub> (*A.* 101, 99; *J.* 1884, 1193). — **I.**, 447.  
 5) **Dilaurylcarbinolester d. Essigsäure.** Sm. 34—35° (*Soc.* 57, 985). — **I.**, 411.
- C<sub>25</sub>H<sub>50</sub>O<sub>3</sub>** C 75,4 — H 12,6 — O 12,0 — M. G. 398.  
 1) **α-Oxycerotinsäure.** Sm. 86,5° (*C.* 1896 [1] 642).
- C<sub>25</sub>H<sub>52</sub>O** C 81,5 — H 14,1 — O 4,3 — M. G. 368.  
 1) **prim. Alkohol (aus Bienenwachs)** (*A.* 235, 142). — **I.**, 240.
- C<sub>25</sub>H<sub>52</sub>O<sub>2</sub>** C 78,1 — H 13,5 — O 8,3 — M. G. 384.  
 1) **Glykol (aus Carnaubawachs).** Sm. 103,5—103,8° (*J.* 1869, 784; *A.* 223, 299). — **I.**, 267.

### C<sub>25</sub>-Gruppe mit drei Elementen.

- C<sub>25</sub>H<sub>14</sub>O<sub>8</sub>N<sub>6</sub>** C 57,0 — H 2,7 — O 24,3 — N 16,0 — M. G. 526.  
 1) **Tetranitromethylencarbazol** (*B.* 26, 2767). — **IV.**, 393.
- C<sub>25</sub>H<sub>11</sub>ON** C 87,0 — H 4,3 — O 4,6 — N 4,1 — M. G. 345.  
 1) **Benzylamidochrysol.** Sm. 259—265° (*Soc.* 41, 157). — **III.**, 462.
- C<sub>25</sub>H<sub>11</sub>O<sub>4</sub>N** C 76,3 — H 3,8 — O 16,3 — N 3,5 — M. G. 393.  
 1) **Anhydrobisdiketohydrinden-3-Amidobenzoësäure** (*B.* 30, 3144).  
 2) **Lakton d. Benzoyldiphenylketipinsäuremononitril.** Sm. 168 bis 168,5° (*A.* 282, 58). — **II.**, 2032.
- C<sub>25</sub>H<sub>16</sub>O<sub>9</sub>N<sub>7</sub>** C 76,5 — H 4,1 — O 12,2 — N 7,1 — M. G. 392.  
 1) **Benzoylphenylamidomimid d. Naphtalin-1,8-Dicarbonsäure.** Sm. 235° (*B.* 28, 364). — **IV.**, 712.
- C<sub>25</sub>H<sub>16</sub>O<sub>4</sub>N<sub>4</sub>** C 68,8 — H 3,7 — O 14,7 — N 12,8 — M. G. 436.  
 1) **4,5-Diphenylazo-1,7-Dioxyxanthan.** Sm. 249—250° u. Zers. (*Soc.* 73, 672). — **IV.**, 1479.
- C<sub>25</sub>H<sub>16</sub>O<sub>6</sub>N<sub>4</sub>** C 60,0 — H 3,2 — O 25,6 — N 11,2 — M. G. 500.  
 1) **Tetra[4-Nitrophenyl]methan.** Sm. 275° (*C.* 1898 [2] 1131).
- C<sub>25</sub>H<sub>14</sub>O<sub>10</sub>N<sub>6</sub>** C 53,6 — H 2,8 — O 28,6 — N 15,0 — M. G. 560.  
 1) **Di[4-Nitrophenylazo]maklurin** (*Soc.* 67, 934). — **IV.**, 1479.
- C<sub>25</sub>H<sub>16</sub>O<sub>12</sub>Br<sub>3</sub>** **Pentacetat d. Tetra brommorin.** Sm. 192—193° (*Soc.* 69, 795). — **III.**, 684.
- C<sub>25</sub>H<sub>17</sub>ON** C 86,5 — H 4,9 — O 4,6 — N 4,0 — M. G. 347.  
 1) **Benzoylamidochrysen.** Sm. 248° (*B.* 24, 950). — **II.**, 1169.
- C<sub>25</sub>H<sub>17</sub>ON<sub>3</sub>** C 80,0 — H 4,5 — O 4,3 — N 11,2 — M. G. 375.  
 1) **Benzoylaposofratin.** + C<sub>6</sub>H<sub>5</sub> (*B.* 28, 2285). — **IV.**, 1177.
- C<sub>25</sub>H<sub>17</sub>O<sub>9</sub>N** C 82,6 — H 4,7 — O 8,8 — N 3,9 — M. G. 363.  
 1) **Anhydrobisdiketohydrinden-4-Toluid** (*B.* 30, 3143).  
 C 76,7 — H 4,3 — O 8,2 — N 10,7 — M. G. 391.
- C<sub>25</sub>H<sub>17</sub>O<sub>7</sub>N<sub>3</sub>** 1) **2-Oxybenzylidenamido benzolindon** (2-Oxybenzylidensafraimon) (*B.* 30, 400). — **IV.**, 1179.  
 2) **Benzoot d. 3-Oxy-5-Phenyl-1-[2-Naphtyl]-1,2,4-Triazol.** Sm. 141 bis 142° (*Soc.* 73, 371). — **IV.**, 1158.  
 3) **Verbindung (aus 2'-Chlor-4-Oxyazobenzol-3-Carbonsäure)** (*Soc.* 69, 1260). — **IV.**, 1469.
- C<sub>25</sub>H<sub>17</sub>O<sub>11</sub>Br<sub>3</sub>** 1) **Pentaacetat d. Tribromqueretin.** Sm. 251—253° (M. 6, 870). — **III.**, 605.
- C<sub>25</sub>H<sub>18</sub>ON<sub>7</sub>** C 82,9 — H 5,0 — O 4,4 — N 7,7 — M. G. 362.  
 1) **2-Keto-4,5-Diphenyl-1-[2-Naphtyl]-2,3-Dihydroimidazol.** Zers. bei 280° (*A.* 284, 35). — **III.**, 224.  
 2) **2-Naphthylamid d. 3-Methyl-β-Naphtochinolin-1-Carbonsäure.** Sm. 230—232° (*B.* 31, 3325).
- C<sub>25</sub>H<sub>18</sub>ON<sub>4</sub>** C 76,9 — H 4,6 — O 4,1 — N 14,4 — M. G. 390.  
 1) **5-Keto-4-[1-Naphtyl]azo-1,3-Diphenyl-4,5-Dihdropyrazol.** Sm. 196° (*B.* 27, 785). — **IV.**, 1490.

- $C_{25}H_{18}ON_4$  2) **5-Keto-4-[2-Naphthyl]azo-1,3-Diphenyl-4,5-Dihydropyrazol.** Sm. 225° (*B.* 27, 785). — **IV, 1490.**
- $C_{25}H_{18}O_2N_4$  C 73,9 — H 4,4 — O 7,9 — N 13,8 — M. G. 406.  
1) **6-Phenylamido-2-[2-Nitrophenyl]-1-Phenylbenzimidazol.** Sm. 210° (*A.* 286, 181).
- 2) **Benzozat d. 4-Oxy-1,3-Di[Phenylazo]benzol.** Sm. 138—139° (*B.* 17, 369). — **IV, 1416.**
- 3) **Benzozat d. 5-Oxy-1,3-Di[Phenylazo]benzol.** Sm. 148—150° (*B.* 22, 2194). — **IV, 1416.**
- $C_{25}H_{18}O_3N_4$  C 71,1 — H 4,2 — O 11,4 — N 13,3 — M. G. 422.  
1) **Phenylester d. 2-[Diphenylazo-4-Oxybenzol-3-Carbonsäure.** Sm. 148° (*A.* 263, 220). — **IV, 1470.**
- $C_{25}H_{18}O_4N_4$  C 73,2 — H 4,4 — O 15,6 — N 6,8 — M. G. 410.  
1) **3,5-Di[Phtalamidomethyl]-1-Methylbenzol.** Sm. 244° (*B.* 25, 3016). — **IV, 645.**
- $C_{25}H_{18}O_4N_4$  C 68,5 — H 4,1 — O 14,6 — N 12,8 — M. G. 438.  
1) **1-Acetoxy-2,4-Diphenylazosaphthalin-2<sup>a</sup>-Carbonsäure.** Zers. bei 229—230° (*B.* 24, 1602). — **IV, 1464.**
- $C_{25}H_{18}O_5N_4$  C 66,1 — H 4,0 — O 17,6 — N 12,3 — M. G. 454.  
1) **3,3'-Dinitro-4,4'-Di[Phenylamido]diphenylketon.** Sm. 219° (*B.* 24, 3775). — **III, 183.**
- $C_{25}H_{18}O_6N_4$  C 63,8 — H 3,8 — O 20,4 — N 11,9 — M. G. 470.  
1) **Di[Phenylazo]maklurin.** Sm. 266—267° u. Zers. (*Soc.* 67, 933; 71, 187). — **IV, 1479.**
- $C_{25}H_{18}O_6Br_4$  1) **Tetracetat d. Tetrabrommorinmonoäthyläther.** Sm. 116—120° (*M.* 18, 710).
- $C_{25}H_{18}O_6Br_4$  1) **Pentasacetat d. Dibromquercetin** (*B.* 17, 1683; *M.* 6, 867). — **III, 605.**
- $C_{25}H_{18}N_2S$  1) **2-Merkapto-4,5-Diphenyl-1-[2-Naphthyl]imidazol** (*A.* 284, 32). — **III, 225.**  
2) **a-Phenylehraysylthioharnstoff.** Sm. 186° (*B.* 24, 957). — **II, 643.**
- $C_{25}H_{18}N_4S$  1) **Verbindung** (aus s-Di[4-Phenylamidophenyl]thioharnstoff). Sm. 117° (*A.* 255, 192). — **IV, 591.**
- $C_{25}H_{18}ON$  C 85,9 — H 5,4 — O 4,6 — N 4,0 — M. G. 349.  
1) **Verbindung** (aus 2,3-Dimethylchinolin). Sm. 173° (*B.* 22, 268). — **IV, 327.**  
2) **Verbindung** (aus d. Verb.  $C_{25}H_{18}ON$  aus 2,3-Dimethylchinolin). Sm. 240° (*B.* 22, 269). — **IV, 327.**
- $C_{25}H_{18}ON_3$  C 79,6 — H 5,0 — O 4,2 — N 11,1 — M. G. 377.  
1) **6-Phenylamido-2-[2-Oxyphenyl]-1-Phenylbenzimidazol.** Sm. 190° (*A.* 286, 181). — **IV, 1124.**
- $C_{25}H_{18}O_2N_3$  C 76,3 — H 4,8 — O 8,1 — N 10,7 — M. G. 393.  
1) **o-[2-Nitrophenyl]azotriphenylmethan.** Sm. 116° (*C.* 1898 [2] 1131). — **IV, 1404.**  
2) **o-[3-Nitrophenyl]azotriphenylmethan.** Sm. 111—112° (*C.* 1898 [2] 1131). — **IV, 1404.**  
3) **o-4-Nitrophenyl]azotriphenylmethan.** Sm. 118,5° (*C.* 1898 [2] 1131). — **IV, 1404.**
- $C_{25}H_{18}O_2N_5$  C 71,2 — H 4,5 — O 7,6 — N 16,6 — M. G. 421.  
1) **o-[2,4-Dioxyphenyl]azo-2,3-Diphenyl-2,3-Dihydro-1,2,4-Benztriazin** (*B.* 30, 2598). — **IV, 1492.**  
2) **Phenylamidoformiat d. 4-Oxy-1,3-Di[Phenylazo]benzol.** Sm. 133 bis 135° (*B.* 23, 497). — **IV, 1416.**
- $C_{25}H_{18}O_2Br$  1) **6-Brom-2-[4-Methylphenyl]-4-[4-Methylbenzoyl]methylen-1,4-Cumarin** (Bromdimethylphenacylideneflavan). Sm. 176—177° (*B.* 31, 714).
- $C_{25}H_{18}O_2N$  C 78,7 — H 5,0 — O 12,6 — N 3,7 — M. G. 381.  
1) **4-Oxy-5-Keto-3-Cinnamoyl-1,2-Diphenyl-2,5-Dihydropyrrrol.** Sm. 230—231° (*B.* 31, 1310).
- $C_{25}H_{18}O_4N$  C 75,6 — H 4,8 — O 16,1 — N 3,5 — M. G. 397.  
1) **2,5-Diphenyl-1-[4-Methylphenyl]pyrrol-2,5'-Dicarbonsäure.** Sm. 253° (*B.* 20, 1489). — **IV, 452.**
- $C_{25}H_{18}O_4N_3$  C 70,6 — H 4,5 — O 15,0 — N 9,9 — M. G. 425.  
1) **1,4-Dibenzoylamido-3-[2-Methylphenylamido]-2,5-Diketo-1,2,4,5-Tetrahydro-1,4-Diazin** (Hippuroflavin o-Toluid). Sm. 208—209° (*A.* 287, S7).

- C<sub>25</sub>H<sub>19</sub>O<sub>4</sub>N<sub>3</sub>** 2) 1, 4-Dibenzoyl-3-[4-Methylphenylamido]-2, 5-Diketo-1, 2, 4, 5-Tetrahydro-1, 4-Diazin (Hippuroflavin-p-Toluid). Sm. 246° (A. 287, 89).  
 3) 3, 5-Di[Phenylamid] d. 6-Oxy-2-Keto-1-Phenyl-1, 2-Dihydropyridin-3, 5-Dicarbonsäure. Sm. 265° (A. 285, 120). C 69, 9 — H 4, 4 — O 22, 4 — N 3, 3 — M. G. 420.
- C<sub>25</sub>H<sub>19</sub>O<sub>5</sub>N** 1) Lakton d.  $\delta$ -Nitro- $\gamma$ -Acetoxy- $\gamma$ -Oxy- $\alpha$ - $\beta$ -Triphenyl- $\alpha$ -Buten- $\alpha$ -Carbonsäure. Sm. 166° (B. 24, 3868). — II, 1729.
- C<sub>25</sub>H<sub>19</sub>O<sub>5</sub>P** 1) Triphenylester d. Phenylphosphorsäure-2-Carbonsäure (Salol-O-Phosphorusäurediphenylester). Sm. 76—77° (B. 31, 2177).
- C<sub>25</sub>H<sub>19</sub>N<sub>2</sub>Cl** 1)  $\alpha$ -Diphenylhydrazon-4-Chlordiphenylmethan. Sm. 130° (B. 26, 34). — IV, 775.  
 2)  $\alpha$ -[3-Chlorphenyl]azotriphenylmethan. Sm. 109° (C. 1898 [2] 1131). — IV, 1404.  
 3)  $\alpha$ -[4-Chlorphenyl]azotriphenylmethan. Sm. 107° (C. 1898 [2] 1131). — IV, 1404.
- C<sub>25</sub>H<sub>19</sub>N<sub>2</sub>Br** 1)  $\alpha$ -[3-Bromphenyl]azotriphenylmethan. Sm. 110° (C. 1898 [2] 1132). — IV, 1404.
- C<sub>25</sub>H<sub>20</sub>ON<sub>2</sub>** C 82, 4 — H 5, 5 — O 4, 4 — N 7, 7 — M. G. 364.  
 1) Tetraphenylharnstoff. Sm. 183° (B. 9, 710; 12, 1166). — II, 381.  
 2)  $\alpha$ -Phenylnitrosamidotriphenylmethan. Sm. 156° u. Zera. (B. 17, 704). — II, 642.
- C<sub>25</sub>H<sub>20</sub>ON<sub>4</sub>** C 76, 5 — H 5, 1 — O 4, 1 — N 14, 3 — M. G. 392.  
 1) Methyläther d. 4-Oxyphenylamidoaposafranin. HCl (B. 30, 2490). — IV, 1280.
- C<sub>25</sub>H<sub>20</sub>ON<sub>6</sub>** C 71, 4 — H 4, 8 — O 3, 8 — N 20, 0 — M. G. 420.
- C<sub>25</sub>H<sub>20</sub>O<sub>2</sub>N<sub>4</sub>** C 73, 5 — H 4, 0 — O 7, 8 — N 13, 7 — M. G. 408.
- C<sub>25</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>** 1) Acetat d. 4-Phenylazo-2-[4-Methylphenyl]azo-1-Oxynaphthalin. Sm. 150° (B. 25, 1339). — IV, 1437.  
 C 72, 8 — H 4, 8 — O 15, 5 — N 6, 8 — M. G. 412.
- C<sub>25</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>** 1) Verbindung (aus d. Acetat d. Thebaulichinon). Sm. 201—203° (B. 28, 943; 30, 1392). — IV, 1087.  
 C 58, 1 — H 3, 9 — O 21, 7 — N 16, 3 — M. G. 516.
- C<sub>25</sub>H<sub>20</sub>O<sub>7</sub>N<sub>6</sub>** 1) Nitrosoderivat d. Carbo-p-Amidotetraimidobenzol (B. 10, 1719). — IV, 594.  
 2) Verbindung (aus Carbo-3-Amidotetraimidobenzol) (B. 10, 1719). — II, 715.
- C<sub>25</sub>H<sub>20</sub>O<sub>8</sub>N<sub>8</sub>** C 53, 6 — H 3, 6 — O 22, 8 — N 20, 0 — M. G. 560.  
 1) Carbo-m-Nitrotetraimidobenzol. Sm. 286°. N<sub>2</sub> (B. 10, 1719). — II, 352.  
 2) Carbo-p-Nitrotetraimidobenzol. Sm. oberh. 300°. N<sub>2</sub> (B. 10, 1718). — II, 352.
- C<sub>25</sub>H<sub>20</sub>N<sub>8</sub>S** 1)  $\alpha$ -P-Diacenaphthalenthioharnstoff. Sm. 192° (B. 21, 1458). — II, 634.  
 2) Tetraphenylthioharnstoff. Sm. 194, 5—195, 5° (B. 15, 1530; 1652; 21, 340). — II, 397.
- C<sub>25</sub>H<sub>20</sub>N<sub>8</sub>S** 3)  $\alpha$ -Di[4-Biphenyl]thioharnstoff. Sm. 228° (B. 13, 1963). — II, 634.
- C<sub>25</sub>H<sub>21</sub>ON** 1) 4, 4'-Thiocarbamidoazobenzol. Sm. 199° (B. 17, 1405). — IV, 1357.  
 C 85, 5 — H 6, 0 — O 4, 5 — N 4, 0 — M. G. 351.  
 1)  $\gamma$ -[2-Naphyl]amido- $\alpha$ -Keto- $\alpha$ - $\beta$ -Diphenylpropan. Sm. 200° (B. 31, 353).  
 2) 2-Keto-1-Allyl-3, 5-Triphenyl-2, 3-Dihydropyrrrol. Sm. 110—112° (Soc. 57, 707, 743). — IV, 475.  
 3) 5-Keto-1-Aethyl-2-Benzyliden-3, 4-Diphenyl-2, 5-Dihydropyrol. Sm. 144—146° (B. 24, 3860). — II, 1728.
- C<sub>25</sub>H<sub>21</sub>ON<sub>2</sub>** C 79, 1 — H 5, 5 — O 4, 2 — N 11, 1 — M. G. 379.  
 1) 1-[2-Oxybenzyliden]amido-2, 4-Di[Phenylamido]benzol (A. 286, 180).  
 2)  $\beta$ -Di[Phenylamido]-2-Methyl-1, 4-Benzochinonophenylimid. Sm. 172 bis 173° (167°). (2HCl, PtCl<sub>4</sub>) (B. 16, 1560; 20, 678). — III, 360.  
 C 81, 7 — H 5, 7 — O 8, 7 — N 3, 8 — M. G. 367.
- C<sub>25</sub>H<sub>21</sub>O<sub>2</sub>N** 1) 2, 5-Diphenyl-1-[2, 4-Dimethylphenyl]pyrrol-3-Carbonsäure. Sm. 253—254° (B. 22, 3090). — IV, 449.  
 2) Aethylester d. 1, 2, 5-Triphenylpyrrol-3-Carbonsäure. Sm. 169 bis 170° (B. 21, 3061). — IV, 449.

- $C_{12}H_{11}ClN_1$  1)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - N \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 2)  $\alpha$ -Triphenylmethoxy- $\beta$ -1-Nitropropenyl hydrazin. Sm. 170° C. 1896  
 3)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - N \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 4)  $\alpha$ -Triphenylmethoxy- $\beta$ -4-Nitrophenyl hydrazin. Sm. 170° C. 1896  
 5)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - N \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 6)  $\alpha$ -1-Nitrophenyl- $\beta$ -Dl-1-Methyl-1-Indetyl methan. Sm. 230° A. 242. I. — IV. 170.  
 $C_{12}H_{11}ClN_1$  1)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - N \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 Acetyl ester d. 2-Cyano-L-Dl-Piropheylhydrazin-1,3-Dihydroindend-2-Carbonsäure. Sm. 170° C. 1896 I. — IV. 170.  
 $C_{12}H_{11}ClN_1$  1)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - N \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 Acetyl ester d. 2,5-Dienyl-1,1-Diophenyl pyrrol-3-Carbonsäure. Sm. 170° C. 1896 II. — IV. 170.  
 $C_{12}H_{11}ClN_1$  1)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - N \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 2)  $\alpha$ -Dienamidoamino-3-Keto-L-Dmethyl-3-Phenyl-2,3-Dihydro-pyrrol. Sm. 170° C. 1896 I. — IV. 170.  
 $C_{12}H_{11}ClN_1$  1)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - N \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 Acetyl ester d. 4,5-Dieno-2-Phenyl-1-Piropheylphenyltetrahydro-3-Carbonsäure. Sm. 170° C. 1896 I. — IV. 170.  
 $C_{12}H_{11}OBr$  1) Acetat d.  $\alpha$ -Diketoy-3-Bromo-2-Oxyphenyl- $\beta$ -Diphenylpentan. Sm. 170° C. 1896 I. — IV. 170.  
 $C_{12}H_{11}ON$  1)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - N \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 2)  $\alpha$ -Phenylaminoformic d.  $\alpha$ -Oxy- $\beta$ -Acetyl- $\beta$ -Diketo- $\alpha$ -Diphenyl- $\beta$ -Buten. Sm. 170° C. 1896 I. — IV. 170.  
 $C_{12}H_{11}ClN_1$  1)  $\alpha$ -Triphenylmethoxy- $\beta$ -3-Chlorophenyl hydrazin. Sm. 170° C. 1896  
 2)  $\alpha$ -Triphenylmethoxy- $\beta$ -4-Chlorophenyl hydrazin. Sm. 170° C. 1896  
 3)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - N \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 $C_{12}H_{11}BrN_1$  1)  $\alpha$ -Triphenylmethoxy- $\beta$ -3-Bromophenyl hydrazin. Sm. 170° C. 1896  
 2)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - N \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 $C_{12}H_{11}ON_1$  1)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - N \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 2)  $\alpha$ -Oxy- $\beta$ -Methyl-3-Phenyl-2,4-Dibenzyl-1,3-Diazin. Sm. 135° J. pr. C. 53. 241. — IV. 170.  
 $C_{12}H_{11}O_N_1$  1)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - N \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 2) 3,4-Di-Cinnamylamido-1-Methylbenzol. Sm. 205—206° A. 23. 170. — IV. 170.  
 3) Diacetylamarin. Sm. 90° J. pr. C. 27. 24. — III. 24.  
 3) Dl-1-Naphthylamid d. Propan- $\alpha$ -Dcarbonsäure. Sm. 243—244° B. 27. 2. 54. C. 1896 I. 170.  
 $C_{12}H_{11}O_S_1$  1) Diphenyläther d.  $\alpha$ -2-Naphylsulfon- $\beta$ -Dimerkaptopropan. Sm. 170° J. pr. C. 55. 45.  
 2) Diphenyläther d.  $\alpha$ -2-Naphylsulfon- $\beta$ -Dimerkaptopropan (J. pr. C. 55. 45).  
 3)  $C_{12}H_9 = H \cdot 13 - O \cdot 1 - S \cdot 1 \cdot 1 - M \cdot G \cdot 105$ .  
 Benzoylester d.  $\alpha$ -Di Phenylimido- $\beta$ -Ketopentan- $\gamma$ -Carbonsäure. Sm. 173—174° C. 55. 45.  
 $C_{12}H_{11}O_N_1$  1) 3,5-Di-Benzoylamidomethyl-1-Methylbenzol-3',5'-Dicarbonsäure Mesitylen-Niphtalamidsäure. Sm. 181° A. 25. 301. — IV. 645.  
 2) Triacetat d.  $\alpha$ -Phenylhydrazon-2,3,4 oder 3,4,5-Trioxypiphenyl-methan. Sm. 170° A. 269. 25. — IV. 576.  
 $C_{12}H_{11}O_1Cl_1$  1) Diacetat d. Dichlorkatechin. Sm. 170° A. 13. 80. — III. 656.  
 $C_{12}H_{11}N_1Cl_1$  1) 7-Chlor-4-Methylphenyl d.  $\theta$ -Dimethylamido- $\beta$ -Naphthophenazin. 2 +  $PtCl_4$  (B. 21. 724). — IV. 170.  
 $C_{12}H_{11}N_1S_1$  1)  $\alpha$ -Di-4-Phenylamidophenylthioharnstoff. Sm. 170° (A. 255. 192). — IV. 591.  
 $C_{12}H_{11}ClP$  1) Triphenylbenzylphosphoniumchlorid +  $H_2O$ . Sm. 274—288° (wasserfrei) (A. 229. 329). — IV. 1662.  
 $C_{12}H_{11}BrP$  1) Triphenylbenzylphosphoniumbromid. Sm. 274—275° (A. 229. 321). — IV. 1663.  
 $C_{12}H_{11}JP$  1) Triphenylbenzylphosphoniumjodid. Sm. 253° (A. 229. 321). — IV. 1663.

- C<sub>25</sub>H<sub>22</sub>S<sub>2</sub>P<sub>2</sub>** 1) **2 Molec. Diphenylphosphin + 1 Molec. Schwefelkohlenstoff.** Sm. 157° (B. 21, 1510). — **IV, 1656.**
- C<sub>25</sub>H<sub>22</sub>ON** C 85,0 — H 6,5 — O 4,5 — N 4,0 — M. G. 353.
- 1) **4-Oximido-6-Methyl-1,2,3-Triphenyl-1,2,3,4-Tetrahydrobenzol.** Sm. 204° (M. 19, 420).
  - 2) **2-Keto-1-Propyl-3,5-Triphenyl-2,3-Dihydropyrrol.** Sm. 104 bis 105° (u. 95—98%) (Soc. 57, 706, 741). — **IV, 475.**
  - 3) **5-Keto-1-Aethyl-2-Benzylic-3,4-Diphenyl-2,5-Dihydropyrrol (Benzylideneimaleimidinylimidin).** Sm. 125° (B. 24, 3865). — **II, 1727.**
- C<sub>25</sub>H<sub>22</sub>ON<sub>5</sub>** C 73,4 — H 5,6 — O 3,9 — N 17,1 — M. G. 409.
- 1) **4-[2-Methylphenyl]azo-6-[1-Naphthyl]azo-3-Dimethylamido-1-Oxybenzol.** Sm. 132° (B. 31, 2779). — **IV, 1418.**
  - 2) **4-[2-Methylphenyl]azo-6-[2-Naphthyl]azo-3-Dimethylamido-1-Oxybenzol.** Sm. 187° (B. 31, 2780). — **IV, 1418.**
  - 3) **4-[4-Methylphenyl]azo-6-[1-Naphthyl]azo-3-Dimethylamido-1-Oxybenzol.** Sm. 154—155° (B. 31, 2781). — **IV, 1418.**
  - 4) **4-[4-Methylphenyl]azo-6-[2-Naphthyl]azo-3-Dimethylamido-1-Oxybenzol.** Sm. 180° (B. 31, 2781). — **IV, 1418.**
  - 5) **4-[1-Naphthyl]azo-6-[2-Methylphenyl]azo-3-Dimethylamido-1-Oxybenzol.** Sm. 185—186° (B. 31, 2779). — **IV, 1418.**
  - 6) **4-[1-Naphthyl]azo-6-[4-Methylphenyl]azo-3-Dimethylamido-1-Oxybenzol.** Sm. 182° (B. 31, 2780). — **IV, 1418.**
  - 7) **4-[2-Naphthyl]azo-6-[2-Methylphenyl]azo-3-Dimethylamido-1-Oxybenzol.** Sm. 182° (B. 31, 2780). — **IV, 1418.**
  - 8) **4-[2-Naphthyl]azo-6-[4-Methylphenyl]azo-3-Dimethylamido-1-Oxybenzol.** Sm. 153° (B. 31, 2781). — **IV, 1418.**
  - 9) **2-[4-Dimethylamidophenylazo]-4-[2-Oxy-1-Naphthylazo]-1-Methylbenzol.** Sm. bei 244° (A. 234, 338). — **IV, 1437.**
- C<sub>25</sub>H<sub>22</sub>OP** 1) **Triphenylbenzylphosphoniumoxyhydrat.** Chlorid, Bromid, Jodid, Rhodanid, Nitrat, Bichromat, Pikrat (A. 229, 320). — **IV, 1662.**
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N** C 81,3 — H 6,2 — O 8,7 — N 3,8 — M. G. 369.
- 1) **Aethylamid d.  $\gamma$ -Keto- $\alpha\beta$ -Triphenyl- $\alpha$ -Buten- $\alpha$ -Carbonsäure.** Sm. 172—173° (B. 24, 3860). — **II, 1728.**
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N** C 77,9 — H 6,0 — O 12,5 — N 3,6 — M. G. 385.
- 1) **4-Methylphenylmoniamid d.  $\gamma$ -Truxillsäure.** Sm. 268° (B. 27, 1411). — **II, 1903.**
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>Br** 1)  **$\alpha\beta$ -Diketo- $\gamma$ -[5-Brom-2-Oxyphenyl]- $\alpha\beta$ -Di[4-Methylphenyl]pentan.** Sm. 158° (B. 31, 714 Ann.).
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N** C 74,8 — H 5,7 — O 15,9 — N 3,5 — M. G. 401.
- 1) **1,6-Dibenoat d. 6-Oxy-3-tert. Butyl-1-Oximidomethylbenzol.** Sm. 160° (Am. 16, 639).
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N** C 71,9 — H 5,5 — O 19,2 — N 3,4 — M. G. 417.
- 1) **Di[ $\beta$ -Benzoxyläthyl]amid d. Benzolecarbonsäure (Dibenzoat d. Benzoyldiethanolamin).** Fl. (B. 30, 917).
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>Br** 1) **Diacetat d. Bromkatechin.** Sm. 120° (B. 13, 696). — **III, 686.**
- C<sub>25</sub>H<sub>22</sub>ON<sub>2</sub>** C 81,5 — H 6,5 — O 4,3 — N 7,6 — M. G. 308.
- 1) **Verbindung (aus Cuminolin, Anilin u. Brenztraubensäure).** Sm. 216° (A. 249, 102). — **IV, 451.**
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 72,1 — H 5,8 — O 15,4 — N 6,7 — M. G. 416.
- 1) **Benzoylcinchotinin.** Sm. 85°. HCl + H<sub>2</sub>O (M. 15, 798). — **III, 841.**
  - 2) **isom. Benzoylcinchotinin + 3H<sub>2</sub>O.** Sm. 175—178°. 2HCl (M. 16, 167). — **III, 841.**
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N<sub>4</sub>** C 67,6 — H 5,4 — O 14,4 — N 12,6 — M. G. 444.
- 1)  **$\beta$ -Phenylhydrazon- $\alpha$ -[3-Methylphenyl]amido- $\alpha$ -[3-Methylphenyl]imidopropan- $\alpha\beta$ -Dicarbonsäure.** Sm. 206° u. Zers. (B. 30, 1192). — **IV, 690.**
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>Br<sub>2</sub>** 1) **Pentacetat d. Dibromäskulin.** Sm. 203—206° (B. 13, 1594). — **III, 567.**
- C<sub>25</sub>H<sub>22</sub>N<sub>2</sub>Cl** 1) **Chlormethylat d. 6-Amido-5-Phenyl-2,4-Dibenzyl-1,3-Diazin.** 2 + PCl<sub>5</sub> (J. pr. [2] 53, 248). — **IV, 1217.**
- C<sub>25</sub>H<sub>22</sub>N<sub>2</sub>J** 1) **Jodmethylat d. 6-Amido-5-Phenyl-2,4-Dibenzyl-1,3-Diazin (J. pr. [2] 53, 248).** — **IV, 1217.**
- C<sub>25</sub>H<sub>22</sub>ON<sub>3</sub>** 1) **Nitril d.  $\alpha$ -[4-Isopropylbenzylidene]amido- $\beta$ -Phenylamido- $\alpha$ -Oxy- $\beta$ -Phenylpropionsäure.** Sm. 256° (B. 31, 2703).

- C<sub>25</sub>H<sub>18</sub>O<sub>2</sub>N** C 80,8 — H 6,7 — O 8,6 — N 3,8 — M. G. 371.  
 1) **Aethylamid d.  $\gamma$ -Oxy- $\alpha\beta\delta$ -Triphenyl- $\alpha$ -Buten- $\alpha$ -Carbonsäure.** Sm. 194—196° (B. 24, 3864). — **II.** 1727.
- C<sub>25</sub>H<sub>20</sub>O<sub>3</sub>N<sub>3</sub>** C 72,3 — H 6,0 — O 11,6 — N 10,1 — M. G. 415.  
 1) **Tri[4-Acetylaminodophenyl]methan.** Sm. 177° (B. 16, 1302). — **IV.** 1196.
- C<sub>25</sub>H<sub>20</sub>O<sub>4</sub>N** C 74,4 — H 6,2 — O 15,9 — N 3,5 — M. G. 403.  
 1) **Benzoylcodein.** HCl + H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (Soc. 28, 15, 321). — **III.** 906.  
 2) **Benzal d. Bebeerin** (B. d. Bebirin). Sm. 139—140° (B. 29, 2057). — **III.** 798.
- C<sub>25</sub>H<sub>20</sub>O<sub>4</sub>N<sub>3</sub>** C 69,6 — H 5,8 — O 14,8 — N 9,7 — M. G. 431.  
 1) **3'-Nitro-5<sup>1</sup>, 5<sup>2</sup>-Di[Acetylamido]-2<sup>1</sup>, 2<sup>2</sup>-Dimethyltriphenylmethan.** Sm. 103—104° (B. 21, 3210). — **IV.** 1047.  
 2) **4'-Nitro-5<sup>1</sup>, 5<sup>2</sup>-Di[Acetylamido]-2<sup>1</sup>, 2<sup>2</sup>-Dimethyltriphenylmethan,** Sm. 136° (B. 21, 3208). — **IV.** 1048.
- C<sub>25</sub>H<sub>20</sub>O<sub>2</sub>N** C 66,5 — H 5,5 — O 24,8 — N 3,1 — M. G. 451.  
 1) **Triacetylbulbocapnin** (C. 1898 [2] 793). — **III.** 877.
- C<sub>25</sub>H<sub>20</sub>N<sub>2</sub>J** 1) **Jodäthylat d. 1-Aethyl-2, 4, 5-Triphenylimidazol** (J. d. Aethylophin). Sm. 234° u. Zers. (M. 17, 304; A. 122, 326).
- C<sub>25</sub>H<sub>20</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Dibenzyllderivat d. Phenylidithiodi-Methylketuret.** Sm. 128° (A. 275, 36). — **II.** 401.
- C<sub>25</sub>H<sub>20</sub>ON<sub>2</sub>** C 81,1 — H 7,0 — O 4,3 — N 7,6 — M. G. 370.  
 1) **Benzoylinderivat d. Base C<sub>18</sub>H<sub>21</sub>N<sub>3</sub>** (aus Anilin u. Propionsäurealdehyd). Sm. 144—145° (B. 25, 2034). — **II.** 444.
- C<sub>25</sub>H<sub>26</sub>O<sub>2</sub>N<sub>2</sub>** C 77,8 — H 6,7 — O 8,3 — N 7,2 — M. G. 386.  
 1) **6', 6''-Di[Acetylamido]-3', 3''-Dimethyltriphenylmethan.** Sm. 217 bis 218° (J. pr. [2] 36, 261). — **IV.** 1047.  
 2) **5-Aethyläther d. 7-Phenylamido-8-[2-Oxybenzyliden]amido-5-Oxy-1, 2, 3, 4-Tetrahydronaphthalin.** Sm. 130—131° (B. 31, 903).
- C<sub>25</sub>H<sub>20</sub>O<sub>2</sub>N<sub>3</sub>** C 74,6 — H 6,5 — O 11,9 — N 7,0 — M. G. 402.  
 1)  **$\alpha$ -(4-Isopropylbenzyliden)amido- $\beta$ -Phenylamido- $\alpha$ -Oxy- $\beta$ -Phenylpropionsäure.** Sm. 208° (B. 31, 2703).
- C<sub>25</sub>H<sub>20</sub>O<sub>4</sub>N<sub>4</sub>** C 69,8 — H 6,0 — O 11,2 — N 13,0 — M. G. 430.  
 1) **Phenylmonohydrazid d.  $\alpha$ -Phenylhydrazon- $\alpha$ -Phenylpentan- $\gamma\gamma$ -Dicarbonsäure.** Sm. 132° (B. 21, 3456). — **IV.** 719.
- C<sub>25</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>** C 71,8 — H 6,2 — O 15,3 — N 6,7 — M. G. 418.  
 1) **Diacyetylstrychnin** (Soc. 29, 655; M. 6, 859). — **III.** 939.
- C<sub>25</sub>H<sub>20</sub>O<sub>5</sub>N<sub>2</sub>** C 69,1 — H 6,0 — O 18,4 — N 6,4 — M. G. 434.  
 1) **Dioxybenzylcinchotenenin.** Sm. 278° u. Zers. 2HCl + H<sub>2</sub>O, (2HCl, HgCl<sub>2</sub>), (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> + 2H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + xH<sub>2</sub>O (A. 269, 243). — **III.** 842.  
 2) **Dioxybenzylcinchotenedin.** Sm. 248°. (2HCl, PtCl<sub>4</sub>) (A. 269, 247). — **III.** 852.  
 3) **Helicindianilid** (A. 154, 33). — **III.** 69.
- C<sub>25</sub>H<sub>20</sub>O<sub>8</sub>Br<sub>2</sub>** 1) **Tetraäthylätheracetat d. Dibromquercetin.** Sm. 154—157° (M. 16, 317). — **III.** 605.
- C<sub>25</sub>H<sub>20</sub>O<sub>9</sub>J<sub>4</sub>** 1) **Jodverbindung d. Eupittonsäure** (B. 12, 2220). — **II.** 2092.
- C<sub>25</sub>H<sub>20</sub>ON<sub>3</sub>** C 72,6 — H 6,5 — O 3,9 — N 16,9 — M. G. 413.  
 1) **Phenylhydrazon d. Nitrosocinchotoxin.** Sm. 149° (B. 28, 1070). — **IV.** 798.
- C<sub>25</sub>H<sub>20</sub>O<sub>2</sub>N<sub>3</sub>** C 74,8 — H 6,7 — O 8,0 — N 10,5 — M. G. 401.  
 1) **Dibenzylamid d. Benzylamidobernsteinsäure.** Sm. 149—150° (C. 1898 [1] 244).  
 2) **Di[2-Methylphenylamid] d. 2-Methylphenylimidodiessigsäure.** Sm. 149—150° (B. 23, 1995). — **II.** 470.  
 3) **Di[4-Methylphenylamid] d. 4-Methylphenylimidodiessigsäure.** Sm. 213—215° (B. 25, 2285). — **II.** 507.  
 4) **isom. Di[4-Methylphenylamid] d. 4-Methylphenylimidodiessigsäure.** Sm. 250° u. Zers. (B. 8, 1163). — **II.** 507.  
 5) **4-Methylphenylamid d. 4-Methylphenylamidoacetyl-4-Methylphenylamidoessigsäure.** Sm. 142—145° (B. 25, 2288). — **II.** 505.

- C<sub>25</sub>H<sub>27</sub>O<sub>4</sub>N** C 74,1 — H 6,7 — O 15,8 — N 3,4 — M. G. 405.  
 1) Diäthylester d. 2,6-Dimethyl-1,4-Diphenyl-1,4-Dihydropyridin-3,5-Dicarbonsäure. Sm. 159—160° (M. 17, 350; B. 31, 604 Anm.). — IV, 371.
- C<sub>25</sub>H<sub>27</sub>O<sub>6</sub>N** C 68,6 — H 6,2 — O 22,0 — N 3,2 — M. G. 437.  
 1) Diäthylester d.  $\epsilon$ -[1,2-Phtalyl]amido- $\alpha$ -Phenylpentan- $\beta$ -Dicarbonsäure. Sm. 108—110° (B. 23, 3695). — II, 1813.
- C<sub>25</sub>H<sub>27</sub>N<sub>2</sub>J** 1) Aethyljodid d. Aethylamarin. Sm. 267° (B. 18, 3080).
- C<sub>25</sub>H<sub>27</sub>N<sub>2</sub>P** 1) 4-Methylphenyldi[1,2,3,4-Tetrahydro-1-Chinolyl]phosphin. Sm. 140° (B. 31, 1047). — IV, 1683.
- C<sub>25</sub>H<sub>27</sub>N<sub>3</sub>S<sub>2</sub>** 1)  $\alpha$ -Aethylpropyltriphenyldithiobiuret. Sm. 165,8° (B. 21, 109). — II, 400.  
 2)  $\beta$ -Aethylpropyltriphenyldithiobiuret. Sm. 165° (B. 21, 109). — II, 400.  
 3)  $\alpha$ -Aethylpropyltriphenylpseudodithiobiuret. Sm. 68,2° (B. 26, 1687). — II, 401.  
 4)  $\beta$ -Aethylpropyltriphenylpseudodithiobiuret (B. 26, 1688). — II, 401.  
**C<sub>25</sub>H<sub>28</sub>ON<sub>2</sub>** C 80,6 — H 7,5 — O 4,3 — N 7,5 — M. G. 372.  
 1) Diäthylhydrobenzamid (A. 110, 79). — III, 20.
- C<sub>25</sub>H<sub>28</sub>O<sub>2</sub>N<sub>2</sub>** C 77,3 — H 7,2 — O 8,2 — N 7,2 — M. G. 388.  
 1) Acetat d.  $\beta$ -Tetramethyldiamido-2-Oxytriphenylmethan. Sm. 144° (B. 14, 2523). — II, 904.  
 2) Acetal d.  $\beta$ -Tetramethyldiamido-4-Oxytriphenylmethan. Sm. 146° (B. 14, 2523). — II, 904.  
 3) Methylester d.  $\beta$ -Di[Dimethylamido]triphenylmethan-2-Carbonäsure. (2HCl, ZnCl<sub>2</sub>) (B. 27 [2] 665).  
**C<sub>25</sub>H<sub>28</sub>O<sub>4</sub>N<sub>8</sub>** C 59,5 — H 5,6 — O 12,7 — N 22,2 — M. G. 504.  
 1) Tribenzylidenditetraured. Sm. bei 240° (A. 151, 193). — III, 33.  
**C<sub>25</sub>H<sub>29</sub>O<sub>5</sub>N<sub>2</sub>** C 68,8 — H 6,4 — O 18,3 — N 6,4 — M. G. 436.  
 1) Methylhydrastallylimid. (2HCl, PtCl<sub>4</sub>) (B. 23, 2907). — II, 2053.  
 2) Verbindung (aus Phtalelessigsäure). Sm. 103° (B. 19, 2371). — II, 1873.  
**C<sub>25</sub>H<sub>28</sub>O<sub>7</sub>N<sub>2</sub>** C 64,1 — H 6,0 — O 23,9 — N 6,0 — M. G. 468.  
 1) Triacetylchitenin. (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O) (M. 14, 600). — III, 820.  
 1) Dijodäthylat d. Hydrobenzamid (A. 110, 79). — III, 20.  
 C 77,5 — H 7,5 — O 4,1 — N 10,9 — M. G. 387.  
 1) 2'-Acetylamido-2',2'-Di[Dimethylamido]triphenylmethan. Sm. 186° (B. 17, 1892). — IV, 1193.  
 2) 4'-Acetylamido-4',4'-Di[Dimethylamido]triphenylmethan. Sm. 108° (B. 18, 708). — IV, 1196.  
**C<sub>25</sub>H<sub>29</sub>O<sub>4</sub>N<sub>5</sub>** C 74,4 — H 7,2 — O 7,9 — N 10,4 — M. G. 403.  
 1) 2'-Nitro-2',2'-Di[Dimethylamido]-4',4'-Dimethyltriphenylmethan. Sm. 146° (B. 24, 560). — IV, 1047.  
 2) 3'-Nitro-2',2'-Di[Dimethylamido]-4',4'-Dimethyltriphenylmethan. Sm. 170° (B. 24, 560). — IV, 1047.  
 3) 4'-Nitro-2',2'-Di[Dimethylamido]-4',4'-Dimethyltriphenylmethan. Sm. 224°. 2 Pikrat (B. 20, 1563; 24, 558). — IV, 1047.  
**C<sub>25</sub>H<sub>29</sub>O<sub>4</sub>N<sub>3</sub>** C 69,0 — H 6,7 — O 14,7 — N 9,6 — M. G. 435.  
 1) Morphinviolett (Bl. [3] 5, 858). — III, 900.  
**C<sub>25</sub>H<sub>29</sub>O<sub>7</sub>N<sub>8</sub>** C 62,1 — H 6,0 — O 23,2 — N 8,7 — M. G. 483.  
 1) Diäthylester d.  $\zeta$ -Phenylhydrazon- $\beta$ -Keto- $\delta$ -[3-Nitrophenyl]heptan- $\gamma$ - $\epsilon$ -Dicarbonsäure. Sm. 161° (A. 303, 233).  
 2) Diäthylester d.  $\zeta$ -Phenylhydrazon- $\beta$ -Keto- $\delta$ -[4-Nitrophenyl]heptan- $\gamma$ - $\epsilon$ -Dicarbonsäure. Sm. 214—215° (A. 303, 237).  
**C<sub>25</sub>H<sub>29</sub>O<sub>11</sub>P<sub>3</sub>** 1) Verbindung (aus 4-Isopropylphenylphosphinsäure). Sm. oberh. 250° (A. 294, 52).  
**C<sub>25</sub>H<sub>30</sub>ON<sub>2</sub>** C 80,2 — H 8,0 — O 4,3 — N 7,5 — M. G. 374.  
 1) Aethyläther d.  $\alpha$ -Oxy-4',4'-Di[Dimethylamido]triphenylmethan. Sm. 162° (A. 206, 132). — II, 1085.  
 2) Aethyläther d. 2-Oxy-1-Di[Aethylphenylamido]methylbenzol. Fl. (A. 150, 195). — III, 73.  
**C<sub>25</sub>H<sub>30</sub>ON<sub>4</sub>** C 74,6 — H 7,5 — O 4,0 — N 13,9 — M. G. 402.  
 1) 5'-Nitroso-2',4',4'-Tri[Dimethylamido]triphenylmethan? Sm. 212° (B. 31, 2352).

- C<sub>23</sub>H<sub>30</sub>O<sub>3</sub>N<sub>2</sub>** C 73,9 — H 7,4 — O 11,8 — N 6,9 — M. G. 406.  
 1) **Iscamylester d.  $\alpha\delta$ -Di[4-Methylphenylimido]- $\gamma$ -Ketopantan- $\alpha$ -Carbonsäure.** Sm. 140° (Bl. [3] 13, 482).
- C<sub>23</sub>H<sub>30</sub>O<sub>3</sub>N<sub>4</sub>** C 66,7 — H 6,7 — O 14,2 — N 12,4 — M. G. 450.
- C<sub>23</sub>H<sub>30</sub>O<sub>5</sub>N<sub>2</sub>** 1) **d-Cocainazodimethylamidobenzol.** Sm. 220° (B. 27, 1886). — **IV, 1482.**  
 C 68,5 — H 6,8 — O 18,3 — N 6,4 — M. G. 438.
- 1)  **$\beta$ -Oxyäthylbrucin.** HCl, (2HCl, PtCl<sub>4</sub>), HBr, HJ, HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, + 3H<sub>2</sub>O, H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>, + H<sub>2</sub>O, CHN, CHNS + H<sub>2</sub>O (R. 14, 228). — **III, 946.**  
 2) **Brucinvinyloxyhydrat.** Salze siehe (A. 118, 211). — **III, 947.**  
 C 60,7 — H 6,1 — O 16,2 — N 17,0 — M. G. 494.
- C<sub>23</sub>H<sub>30</sub>O<sub>6</sub>N<sub>2</sub>** 1) **Verbindung** (aus Aceton, Benzaldehyd u. Harustoff). Sm. 182—183° u. Zers. (G. 23 [1] 405). — **III, 38.**  
 C 66,1 — H 6,6 — O 21,1 — N 6,2 — M. G. 454.
- C<sub>23</sub>H<sub>30</sub>O<sub>6</sub>N<sub>4</sub>** 1) **Methylhydraztallylamid.** Sm. 158° (B. 23, 2907). — **II, 2053.**
- C<sub>23</sub>H<sub>30</sub>N<sub>3</sub>Cl** 1)  **$\alpha$ -Chlor-4<sup>1</sup>,4<sup>2</sup>,4<sup>3</sup>-Tri[Dimethylamido]triphenylmethan.** 2 + 3PtCl<sub>4</sub> (B. 18, 708; 19, 1271; 28, 1698, 1704). — **II, 1088.**
- C<sub>23</sub>H<sub>30</sub>N<sub>3</sub>J** 1)  **$\alpha$ -Jod-4<sup>1</sup>,4<sup>2</sup>,4<sup>3</sup>-Tri[Dimethylamido]triphenylmethan** (Bl. [3] 15, 1300). — **IV, 1195.**
- C<sub>23</sub>H<sub>31</sub>ON<sub>3</sub>** C 77,1 — H 8,0 — O 4,1 — N 10,8 — M. G. 389.
- 1) **Pentamethylrosanilin.** 2HCl, (2HCl, PtCl<sub>4</sub>), 2HJ + H<sub>2</sub>O, Pikrat (B. 2, 44; 6, 905; 12, 2351; 16, 707, 2910; Soc. 51, 175). — **II, 1091.**
- 2)  **$\alpha$ -Oxy-4<sup>1</sup>,4<sup>2</sup>,4<sup>3</sup>-Tri[Dimethylamido]triphenylmethan** (Methylviolet). Sm. 195°. Chlorid, Jodid, Pikrat (B. 6, 363; 13, 212, 2100; 16, 2005; 18, 767, 1271; 19, 109, 1271; 28, 1704; Bl. [3] 9, 123). — **II, 1088.**
- 3) **Methyläther d.  $\beta$ -Tetramethylamido-4-Amido-5-Oxytriphenylmethan.** Sm. 158—159° (B. 24, 3142). — **II, 904.**  
 C 70,6 — H 7,3 — O 18,8 — N 3,3 — M. G. 425.
- C<sub>23</sub>H<sub>31</sub>O<sub>3</sub>N** 1) **Dibutyrylmorphin.** HCl, (2HCl, PtCl<sub>4</sub>) (Soc. 28, 18, 322). — **III, 899.**  
 C 61,9 — H 6,4 — O 23,1 — N 8,6 — M. G. 485.
- C<sub>23</sub>H<sub>31</sub>O<sub>3</sub>N<sub>3</sub>** 1) **Verbindung** (aus Eupitonsäure) (B. II, 1460; 12, 2222). — **II, 2092.**  
 C 63,4 — H 6,6 — O 27,1 — N 2,9 — M. G. 473.
- 1) **Narceinäthylester.** HCl, (2HCl, PtCl<sub>4</sub>), HBr, HJ (A. 277, 50). — **II, 2080.**  
 C 79,8 — H 8,5 — O 4,2 — N 7,4 — M. G. 376.
- 1) **Base** (aus Cantharsäure u. Dimethylanilin). (2HCl, PtCl<sub>4</sub>) (B. 19, 1088). — **III, 624.**
- C<sub>23</sub>H<sub>31</sub>ON<sub>6</sub>** C 69,4 — H 7,4 — O 3,7 — N 19,4 — M. G. 432.
- 1) **Di[3-Piperidylazo-4-Methylphenyl]keton** (A. 271, 8). — **IV, 1579.**
- C<sub>23</sub>H<sub>32</sub>O<sub>4</sub>N** 1) **Benzoylcapsaicin.** Sm. 74° (C. 1899 [1] 294).
- C<sub>23</sub>H<sub>32</sub>O<sub>4</sub>N<sub>2</sub>** 1) **Brucinäthyleoxyhydrat.** Salze siehe (J. 1856, 546; J. pr. [2] 3, 163). — **III, 946.**
- C<sub>23</sub>H<sub>32</sub>N<sub>3</sub>J<sub>2</sub>** 1) **Dijodmethylat d. 4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan.** Sm. 231° (218—222°) u. Zers. (A. 206, 127, 151; 217, 256). — **IV, 1042.**
- C<sub>23</sub>H<sub>33</sub>O<sub>5</sub>N** C 70,3 — H 7,7 — O 18,7 — N 3,3 — M. G. 427.
- 1) **Aethyläther d. Papaverinpropoxyhydrat.** Sm. 137° (J. pr. [2] 56, 332).
- C<sub>23</sub>H<sub>33</sub>N<sub>3</sub>Cl<sub>4</sub>** 1) **Verbindung** (aus  $\alpha$ -Oxytri[4-Dimethylamidophenyl]methan) (Bl. [3] 9, 123). — **II, 1088.**
- C<sub>23</sub>H<sub>33</sub>N<sub>3</sub>Br<sub>4</sub>** 1) **Verbindung** (aus  $\alpha$ -Oxytri[4-Dimethylamidophenyl]methan) (Bl. [3] 9, 123). — **II, 1088.**
- C<sub>23</sub>H<sub>34</sub>ON<sub>2</sub>** C 79,4 — H 9,0 — O 4,2 — N 7,4 — M. G. 378.
- 1) **Triäthylidenecinchonin.** (2HCl, PtCl<sub>4</sub>) (A. 269, 287). — **III, 834.**
- C<sub>23</sub>H<sub>34</sub>O<sub>5</sub>N<sub>2</sub>** C 67,9 — H 7,7 — O 18,1 — N 6,3 — M. G. 442.
- 1) **Acetat d. Yohimbin.** Sm. 133° (C. 1899 [1] 528).
- C<sub>23</sub>H<sub>34</sub>O<sub>5</sub>N<sub>3</sub>** 1) **Verbindung** (aus d. Aethyläther d. 4-Acetylamido-1-Oxynaphthalin). Sm. 218—219° (B. 25, 3061). — **II, 865.**
- C<sub>23</sub>H<sub>34</sub>O<sub>11</sub>N<sub>4</sub>** C 53,0 — H 6,0 — O 31,1 — N 9,9 — M. G. 566.
- 1) **Verbindung** (aus d. Benzuramidoäpfelsäurediäthylester). Sm. 157—158° (G. 23 [1] 398). — **II, 1954.**
- C<sub>23</sub>H<sub>35</sub>O<sub>2</sub>N<sub>5</sub>** C 68,3 — H 8,4 — O 7,3 — N 15,9 — M. G. 439.
- 1) **Verbindung** (aus 4-Nitroso-1-Dipropylamidobenzol). Sm. 140° (M. 7, 102). — **II, 335.**

- C<sub>25</sub>H<sub>33</sub>O<sub>6</sub>N<sub>3</sub>** C 63,1 — H 7,8 — O 20,2 — N 8,8 — M. G. 475.  
 1) Trinitrocholesterylen. Zers. bei 180° (*J. r.* **10**, 360). — **II**, 1074.
- C<sub>25</sub>H<sub>33</sub>O<sub>1</sub>Cl** 1) **Heptaäthylester d. α-Chlorbutan-ααββγδ-Heptacarbonsäure.** Fl. (*B.* **21**, 2116). — **I**, 873.
- C<sub>25</sub>H<sub>33</sub>N<sub>2</sub>J<sub>2</sub>** 1) **Jodmethylat d. Base C<sub>25</sub>H<sub>33</sub>N<sub>2</sub>.** (*Bl.* **47**, 46). — **IV**, 997.
- C<sub>25</sub>H<sub>33</sub>O<sub>1</sub>N** C 62,4 — H 8,1 — O 26,6 — N 2,9 — M. G. 481.
- C<sub>25</sub>H<sub>41</sub>O<sub>2</sub>N<sub>2</sub>** 1) **Pseudoaconin.** + Aceton (Sm. 86—87°; HCl, (HCl, AuCl<sub>3</sub>), HBr, HNO<sub>3</sub>) (*B.* **29**, 856; *Soc.* **33**, 160; **71**, 357). — **III**, 775.
- C<sub>25</sub>H<sub>43</sub>O<sub>3</sub>N** C 39,8 — H 5,2 — O 53,1 — N 1,8 — M. G. 753.
- C<sub>25</sub>H<sub>43</sub>O<sub>2</sub>N** 1) **Verbindung (aus Espartohaar).** (*Soc.* **41**, 94). — **I**, 1080.
- C<sub>25</sub>H<sub>44</sub>O<sub>2</sub>N** C 77,5 — H 10,6 — O 8,3 — N 3,6 — M. G. 387.
- C<sub>25</sub>H<sub>44</sub>O<sub>2</sub>N<sub>2</sub>** 1) **Phenylformylamid d. Stearinäsure.** Sm. 61° (*Am.* **18**, 699). C 74,6 — H 10,4 — O 8,0 — N 7,0 — M. G. 402.
- C<sub>25</sub>H<sub>45</sub>O<sub>2</sub>N<sub>2</sub>** 1) **α-Stearylphenylharnstoff.** Sm. 92°. — **II**, 382.
- C<sub>25</sub>H<sub>45</sub>O<sub>6</sub>N<sub>6</sub>** C 52,6 — H 7,4 — O 25,3 — N 14,7 — M. G. 570.
- C<sub>25</sub>H<sub>45</sub>O<sub>6</sub>N<sub>6</sub>** 1) **Mykoprotein** (*J. pr.* [2] **20**, 454; [2] **23**, 302, 419; *J. 1879*, 1006). — **IV**, 1634.
- C<sub>25</sub>H<sub>45</sub>ON** C 80,4 — H 11,5 — O 4,3 — N 3,8 — M. G. 373.
- C<sub>25</sub>H<sub>44</sub>O<sub>4</sub>N<sub>2</sub>** 1) **α-Oximido-α-[4-Methylphenyl]oktadekan.** Sm. 64° (*J. pr.* [2] **54**, 401). C 68,8 — H 10,1 — O 14,7 — N 6,4 — M. G. 436.
- C<sub>25</sub>H<sub>44</sub>O<sub>4</sub>N<sub>2</sub>** 1) **Diacetillyupinin.** Fl. (2HCl, PtCl<sub>4</sub>, (2HCl, 2AuCl<sub>3</sub>) (*A.* **224**, 314; *C.* **1897** [2] 361). — **III**, 892.
- C<sub>25</sub>H<sub>44</sub>O<sub>4</sub>N<sub>6</sub>** C 57,7 — H 8,5 — O 12,3 — N 21,5 — M. G. 520.
- C<sub>25</sub>H<sub>45</sub>O<sub>2</sub>Br<sub>2</sub>** 1) **Benzylendihönanthotetraeid** (*A.* **151**, 195). — **III**, 33.
- C<sub>25</sub>H<sub>45</sub>OCl** 1) **Dibromcerotinsäure.** Sm. 30° (*C.* **1896** [1] 642).
- C<sub>25</sub>H<sub>45</sub>O<sub>2</sub>Br** 1) **Chlorid d. Cerotinsäure.** Sm. 47° (*C.* **1896** [1] 642).
- C<sub>25</sub>H<sub>31</sub>ON** 1) **α-Bromcerotinsäure.** Sm. 66,5° (*C.* **1896** [1] 642). C 78,7 — H 13,4 — O 4,2 — N 3,7 — M. G. 381.
- C<sub>25</sub>H<sub>31</sub>O<sub>2</sub>N** 1) **Amid d. Cerotinsäure.** Sm. 109° (*C.* **1896** [1] 642). C 75,6 — H 12,8 — O 8,1 — N 3,5 — M. G. 397.
- C<sub>25</sub>H<sub>31</sub>O<sub>2</sub>N<sub>2</sub>** 1) **α-Aminocerotinsäure.** Sm. 215° u. Zers. (*C.* **1896** [1] 642). C 56,8 — H 9,5 — O 12,1 — N 21,2 — M. G. 528.
- C<sub>25</sub>H<sub>33</sub>O<sub>4</sub>N<sub>6</sub>** 1) **Oenanthotetraeid.** Sm. 155° (*A.* **151**, 190). — **I**, 1314.

### C<sub>25</sub>-Gruppe mit vier Elementen.

- C<sub>25</sub>H<sub>13</sub>O<sub>1</sub>N<sub>2</sub>Cl** 1) **Benoat d. Chloroxyphenylphenazon.** Sm. 234—235° (*B.* **24**, 590). — **IV**, 1004.
- C<sub>25</sub>H<sub>14</sub>ON<sub>2</sub>S<sub>2</sub>** 1) **Di[Thiodiphenyl]harnstoff.** Sm. 223—225° (231°) (*B.* **18**, 1848; **24**, 2911). — **II**, 807.
- C<sub>25</sub>H<sub>15</sub>ON<sub>2</sub>S** 1) **αβ-Diphenyl-α-Thiodiphenylharnstoff.** Sm. 165° (*B.* **24**, 2913). — **II**, 806.
- C<sub>25</sub>H<sub>15</sub>O<sub>12</sub>N<sub>4</sub>S<sub>2</sub>** 1) **Di[4-Sulfophenylazo]maklurin.** Na<sub>2</sub> (*Soc.* **67**, 935).
- C<sub>25</sub>H<sub>15</sub>O<sub>12</sub>NS<sub>2</sub>** 1) **Triacetylresorcinassecharin.** Sm. 286° (*Bl.* [3] 17, 695).
- C<sub>25</sub>H<sub>20</sub>ON<sub>4</sub>S** 1) **2-Thiocarbonyl-3-[2-β-Naphtolasobenzyl]1,2,3,4-Tetrahydro-1,3-Benzodiazin.** Sm. 225° (*J. pr.* [2] **55**, 364). — **IV**, 1492.
- C<sub>25</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>S** 1) **α-Phenylhydrazon-4-Phenylsulfondiphenylimethan.** Sm. 184° (*Am.* **20**, 312).
- C<sub>25</sub>H<sub>20</sub>O<sub>5</sub>N<sub>2</sub>S<sub>2</sub>** 1) **αβ-Diphenyl-αβ-Di[Phenylsulfon]harnstoff.** Sm. 198° (*J. pr.* [2] 51, 350).
- 2) **Phenylamid d. Diphenylketon-3,3' oder 3,4'-Disulfonsäure.** Sm. 177—178° (*Soc.* **73**, 406).
- C<sub>25</sub>H<sub>20</sub>N<sub>2</sub>Cl<sub>8</sub>** 1) **s-Di[4-p-Chlorphenylamidophenyl]thioharnstoff.** Sm. 176° (*A.* **303**, 316).
- C<sub>25</sub>H<sub>21</sub>O<sub>1</sub>N<sub>2</sub>S** 1) **2-[β-Phenyläthenyl]chinolin-4-[2-Aethoxylphenyl-P-Sulfosäure].** Na (*B.* **27**, 3039). — **IV**, 435.
- 2) **2-[β-Phenyläthenyl]chinolin-4-[4-Aethoxylphenyl-P-Sulfosäure].** Na (*B.* **27**, 912).
- C<sub>25</sub>H<sub>21</sub>O<sub>4</sub>N<sub>2</sub>P** 1) **Di[Phenylamid] d. Phenylphosphorsäure-2-Carbonsäurephenylester.** Sm. 174—175° (*B.* **31**, 2175).
- C<sub>25</sub>H<sub>21</sub>O<sub>5</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Tri[Phenylamid] d. Benzol-1-Carbonsäure-3,5-Disulfonsäure.** Sm. 222° (*M.* **14**, 693). — **II**, 1301.

- C<sub>25</sub>H<sub>21</sub>O<sub>12</sub>NS<sub>4</sub>** 1) *α*-Phenylamidotriphenylmethan-P-Tetrasulfonsäure. Ba<sub>2</sub>, Cu<sub>2</sub> (B. 17, 704). — II, 642.
- C<sub>25</sub>H<sub>22</sub>OClP** 1) Chlorbenzylat d. Diphenylphenoxyphosphin. Sm. 232—236° u. Zers. (B. 18, 2115). — IV, 1657.
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N<sub>3</sub>P** 1) Tri[Phenylamid] d. Phenylphosphinsäure-4-Carbonsäure. Sm. 242° (A. 293, 281). — IV, 1673.
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>ClP** 1) Chlorbenzylat d. Phosphorigsäuretrifluorophenylester. Fl. (B. 31, 1051).
- C<sub>25</sub>H<sub>22</sub>O<sub>4</sub>NBr** 1) Dibenzoyl d. 5-Brom-4-Oxy-3-Oximidomethyl-1-tert. Butylbenzol. Sm. 189° (Am. 16, 644). — III, 91.
- C<sub>25</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>S<sub>2</sub>** 1) *α*-Phenylsulfon-γ-(2-Naphyl)sulfon-β-Phenylhydrazonpropan. Sm. 175° (J. pr. [2] 55, 413). — IV, 768.  
2) Phenylamid d. Diphenylmethan-4,4'-Disulfonsäure. Sm. 178° (Soc. 73, 409).
- C<sub>25</sub>H<sub>23</sub>O<sub>4</sub>N<sub>4</sub>P** 1) Di[Phenylhydrazin] d. Phenylphosphorsäure-2-Carbonsäure-phenylester. Sm. 170° (B. 31, 2178).
- C<sub>25</sub>H<sub>24</sub>ON<sub>2</sub>S** 1) 2-[2,4-Dimethylphenylbenzoylamido]-5-[2,4-Dimethylphenylamido]-1,3,4-Thiodiazol. Sm. 211—212° (B. 23, 369). — IV, 1237.
- C<sub>25</sub>H<sub>24</sub>O<sub>2</sub>N<sub>8</sub>** 1) *α*-Phenylthiobenzylthioharnstoff. Sm. 85° u. Zers. (B. 30, 1377).
- C<sub>25</sub>H<sub>24</sub>O<sub>2</sub>N<sub>3</sub>Cl** 1) Mono-4-Methylphenylamid d. Chlor-[4-Methylphenylamido]-[4-Methylphenylimido]bernsteinsäure. Sm. 186° (A. 279, 146).
- C<sub>25</sub>H<sub>25</sub>N<sub>2</sub>ClP** 1) Tri[Phenylamido]-4-Methylphenylphosphoniumchlorid. Sm. 245° (B. 28, 2213). — IV, 1672.
- C<sub>25</sub>H<sub>25</sub>N<sub>2</sub>BrP** 1) Tri[Phenylamido]-4-Methylphenylphosphoniumbromid. Sm. 238° (B. 28, 2215). — IV, 1672.
- C<sub>25</sub>H<sub>25</sub>N<sub>2</sub>JP** 1) Tri[Phenylamido]-4-Methylphenylphosphoniumjodid. Sm. 235° (B. 28, 2215). — IV, 1672.
- C<sub>25</sub>H<sub>26</sub>ON<sub>2</sub>P** 1) Tri[Phenylamido]-4-Methylphenylphosphoniumhydrat. Sm. 240° Salze, siehe diese (B. 28, 2214). — IV, 1672.
- C<sub>25</sub>H<sub>26</sub>O<sub>2</sub>N<sub>8</sub>** 1) Alloxanstrychninidisulfat + H<sub>2</sub>O (A. 248, 150). — III, 937.
- C<sub>25</sub>H<sub>27</sub>ON<sub>2</sub>P** 1) 4-Methylphenyldi[1,2,3,4-Tetrahydro-1-Chinolyl]phosphinoxid. Sm. 181° (B. 31, 1047).
- C<sub>25</sub>H<sub>28</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) Verbindung (aus 3-Dimethylamido-1-Oxybenzol). 2+PtCl<sub>4</sub> (B. 29, 511).
- C<sub>25</sub>H<sub>28</sub>O<sub>2</sub>N<sub>2</sub>NJ** 1) Jodisoamylat d. Berberin (C. 1895 [2] 138). — III, 800.
- C<sub>25</sub>H<sub>28</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub>** 1) Pentamethylen-1,2-Xylylendiphenylsulfondiamin. Sm. 132° (B. 31, 1704).
- C<sub>25</sub>H<sub>28</sub>N<sub>2</sub>JP** 1) Methylphenyldi[1,2,3,4-Tetrahydro-1-Chinolyl]phosphonium-jodid. Sm. 136° (B. 31, 1045). — IV, 1682.
- C<sub>25</sub>H<sub>29</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) Chlorvinylat d. Brucin. 2+PtCl<sub>4</sub> (R. 14, 231; A. 118, 211). — III, 947.
- C<sub>25</sub>H<sub>30</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>** 1) Brucinbromäthyliumbromid + 3H<sub>2</sub>O (A. 118, 209; R. 14, 230). — III, 947.
- C<sub>25</sub>H<sub>30</sub>O<sub>2</sub>N<sub>2</sub>NJ** 1) Jodäthylat d. Aethylhydrastin. Zers. bei 241° (B. 23, 412). — II, 2054.
- C<sub>25</sub>H<sub>31</sub>O<sub>2</sub>N<sub>3</sub>J<sub>2</sub>** 1) Dijodmethylat d. 3'-Nitro-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 225° u. Zers. (B. 13, 672). — IV, 1043.  
2) Dijodmethylat d. 4'-Nitro-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan + H<sub>2</sub>O. Sm. 220° u. Zers. (B. 14, 2526). — IV, 1044.
- C<sub>25</sub>H<sub>31</sub>O<sub>4</sub>N<sub>2</sub>Cl** 1) Chloräthylat d. Brucin. 2+PtCl<sub>4</sub> (J. 1856, 546). — III, 946.
- C<sub>25</sub>H<sub>31</sub>O<sub>4</sub>N<sub>2</sub>J** 1) Jodäthylat d. Brucin + ½H<sub>2</sub>O. + J<sub>2</sub>, + J<sub>4</sub> + H<sub>2</sub>O (J. 1856, 546; J. pr. [2] 3, 163). — III, 946.
- C<sub>25</sub>H<sub>31</sub>O<sub>5</sub>N<sub>2</sub>Br** 1) Brucinbromäthyloxyhydrat. Salze siehe (A. 118, 209; R. 14, 230). — III, 947.
- C<sub>25</sub>H<sub>31</sub>N<sub>2</sub>JS<sub>2</sub>** 1) Verbindung (aus Benzthiazol) (B. 20, 2264). — II, 797.
- C<sub>25</sub>H<sub>32</sub>ON<sub>2</sub>J<sub>2</sub>** 1) Jodmethylat d. α-Oxy-4',4'-Di[Dimethylamido]triphenylmethan. Sm. 171—172° u. Zers. (B. 13, 2225; 15, 236; A. 217, 254). — II, 1058.
- C<sub>25</sub>H<sub>32</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>** 1) *α*-Di[*α*-Bromisobutyryl-4-Methylphenylamido]propan. Sm. 113° (B. 31, 3248).
- C<sub>25</sub>H<sub>32</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Benzaldehyd-2,4,5-Trimethylphenylthionaminsaures-5-Amido-1,2,4-Trimethylbenzol. Sm. 108° (A. 274, 238). — III, 7.  
2) Benzaldehyd-2,4,6-Trimethylphenylthionaminsaures-2-Amido-1,3,5-Trimethylbenzol. Sm. 88° (A. 274, 240). — III, 7.
- C<sub>25</sub>H<sub>32</sub>O<sub>2</sub>N<sub>2</sub>NJ** 1) Jodmethylat d. Narceinmethylester. Sm. 193—194° (A. 277, 41). — II, 2080.

- C<sub>15</sub>H<sub>8</sub>ON<sub>2</sub>Cl** 1) Chloräthylat d. Diäthylidencinchonin. (HCl, PtCl<sub>4</sub>) (*A.* **269**, 287). — **III**, 834.  
**C<sub>25</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) Di[Chloräthylat] d. Lupinin. + PtCl<sub>4</sub> + H<sub>2</sub>O, + 2AuCl<sub>3</sub> (*B.* **14**, 1321). — **III**, 892.  
**C<sub>25</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>J**, 1) Di[Jodäthylat] d. Lupinin (*B.* **14**, 1321). — **III**, 892.

### C<sub>26</sub>-Gruppe mit fünf Elementen.

- C<sub>25</sub>H<sub>31</sub>O<sub>2</sub>N<sub>2</sub>ClP** 1) Verbindung (aus d. Di[4-Methylphenylamid] d. Weinsäure). Sm. 220—221° (*A.* **279**, 147).

### C<sub>26</sub>-Gruppe mit einem Element.

- C<sub>26</sub>H<sub>14</sub>** C 95,7 — H 4,3 — M. G. 326.  
 1) Kohlenwasserstoff (aus Fluoren). Sm. 270° (*B.* **8**, 1049). — **II**, 303.  
**C<sub>26</sub>H<sub>16</sub>** C 95,1 — H 4,9 — M. G. 328.  
 1) Dibiphenylenäthen (Tetraphenylenäthylen). Sm. 189—190°; Sd. über 360°. Pikrat (*B.* **8**, 1049; **25**, 3146; **29**, 2157; *J.* **1877**, 383; *A.* **290**, 240; **291**, 1). — **II**, 303.  
**C<sub>26</sub>H<sub>18</sub>** C 94,6 — H 5,4 — M. G. 330.  
 1) 9-Diphenylmethylenfluoren (Biphenylen-diphenyläthen). Sm. 229,5°. Pikrat (Sm. 198°) (*B.* **29**, 73, 739, 2157).  
 2) Dibiphenylenäthan. Sm. 241—242° (246°) (*B.* **8**, 1049; *A.* **290**, 243; **291**, 6). — **II**, 303.  
**C<sub>26</sub>H<sub>20</sub>** C 94,0 — H 6,0 — M. G. 332.  
 1) 9,10-Diphenyl-9,10-Dihydroanthracen. Sm. 164,2°; Sd. 437° (*Am.* **13**, 557). — **II**, 302.  
 2) 9-Diphenylmethylfluoren (Biphenylen-diphenyläthan). Sm. 217—218°. + 2C<sub>6</sub>H<sub>6</sub> (*B.* **29**, 75).  
 3) 9-Phenyl-9-Benzylfluoren? Sm. 233—234° (*A.* **296**, 257).  
 4) Tetraphenylenäthen. Sm. 221°; Sd. 415—425° (*A.* **194**, 311; **235**, 222; **296**, 229; **298**, 237; *B.* **3**, 752; **5**, 277; **7**, 1128; **9**, 562; **14**, 1526; **21**, 780; **29**, 1790; *J. r.* **12**, 426). — **II**, 302.  
**C<sub>26</sub>H<sub>22</sub>** C 93,4 — H 6,6 — M. G. 334.  
 1)  $\alpha\alpha\beta\beta$ -Tetraphenylenäthan. Sm. 209°; Sd. 358—362° (379—383°). + C<sub>6</sub>H<sub>6</sub>. Lit. bedeutend. — **II**, 300.  
 2)  $\alpha\alpha\beta$ -Triphenyläthan? Sm. 140° (*Bl.* [3] **1**, 778). — **II**, 301.  
 3) Dibenzylbiphenyl. Sm. 113° (*B.* **14**, 2032). — **II**, 301.  
**C<sub>26</sub>H<sub>26</sub>** C 89,6 — H 10,4 — M. G. 348.  
 1) Kohlenwasserstoff (aus Oenocarpol). 2 + H<sub>2</sub>O (Sm. 75°) (*B.* **25** [2] 216). — **III**, 638.  
**C<sub>26</sub>H<sub>28</sub>** C 89,1 — H 10,9 — M. G. 350.  
 1) Carotin. Sm. 167,8° (*Berz.* **J.** **12**, 277; *A.* **62**, 380; **117**, 200; **271**, 229; *Bl.* **46**, 487). — **II**, 243; **III**, 625.  
**C<sub>26</sub>H<sub>42</sub>** C 88,1 — H 11,9 — M. G. 354.  
 1) Cholesterin, siehe C<sub>27</sub>H<sub>42</sub>. — **II**, 176.  
**C<sub>26</sub>H<sub>44</sub>** C 87,7 — H 12,3 — M. G. 356.  
 1) Kohlenwasserstoff (aus Cholesterin) (*B.* **18**, 1809). — **II**, 1072.  
 2) Kohlenwasserstoff (aus japan. Vogelleim) (*Soc.* **53**, 277). — **II**, 173.  
**C<sub>26</sub>H<sub>46</sub>** C 87,2 — H 12,8 — M. G. 358.  
 1) Cholesten (Hydrocholesterin). Sm. 89—90° (*J. r.* **8**, 237; *M.* **15**, 86). — **II**, 173.  
**C<sub>26</sub>H<sub>44</sub>** C 85,2 — H 14,8 — M. G. 366.  
 1) Hexakosan. Sm. 44° (*A.* **224**, 236; *B.* **18**, 391). — **I**, 107.

### C<sub>26</sub>-Gruppe mit zwei Elementen.

- C<sub>26</sub>H<sub>14</sub>O<sub>5</sub>** C 55,1 — H 2,5 — O 42,4 — M. G. 566.  
 1) Verbindung (aus Makulin) (*A.* **143**, 309). — **III**, 208.  
**C<sub>26</sub>H<sub>16</sub>O** C 90,7 — H 4,6 — O 4,6 — M. G. 344.  
 1) Dibiphenylenäthanoxyd. Sm. 258° (*A.* **291**, 5).

- $C_{26}H_{16}O_2$  C 86,7 — H 4,4 — O 8,9 — M. G. 360.  
 1) **Dioxoxyanthylen** (Tetraphenyläthylendioxyd). Sm. 315° (B. 28, 2310). — III, 197.
- $C_{26}H_{16}O_3$  C 83,0 — H 4,2 — O 12,8 — M. G. 376.
- $C_{26}H_{16}O_6$  1) **Dihydrodiphenylenoxyanthrachinon**. Sm. 266° (B. 23, 321). — III, 464.  
 C 73,6 — H 3,8 — O 22,6 — M. G. 414.
- $C_{26}H_{16}O_6$  1) **Acetat d. Naphthalfluorescein +  $H_2O$** . Sm. 191° (wasserfrei) (A. 227, 138). — II, 2039.
- $C_{26}H_{16}O_7$  C 70,9 — H 3,6 — O 25,4 — M. G. 440.  
 1) **Verbindung** (aus Pyrogallol u. Benzaldehyd) (B. 5, 26). — III, II.
- $C_{26}H_{16}O_9$  C 66,1 — H 3,4 — O 30,5 — M. G. 472.
- $C_{26}H_{16}O_{11}$  1) **Triacetat d. Cörulein** (A. 208, 273). — II, 2088.  
 C 61,9 — H 3,2 — O 34,9 — M. G. 504.
- $C_{26}H_{16}O_{11}$  1) **Verbindung** (aus Laccainsäure) (B. 29, 1298). — II, 2082.  
 C 81,3 — H 4,1 — N 14,6 — M. G. 384.
- $C_{26}H_{16}N_4$  1) **Verbindung** (aus  $\alpha,\beta$ -Dinaphthylamindisazobenzol). Sm. 287° (B. 22, 3347). — IV, 1401.
- $C_{26}H_{16}Cl_2$  2) **Verbindung** (aus 2,3-Diamido 5,10-Naphthiazin) (B. 23, 842). — IV, 1281.
- $C_{26}H_{16}Br_2$  1)  $\alpha,\beta$ -Dichlordinbiphenylenäthan. Sm. 234° (A. 290, 243).
- $C_{26}H_{16}Br_4$  1)  $\alpha,\beta$ -Dibromdibiphenylenäthan ( $\alpha,\beta$ -Dibromtetraphenylenäthan). Sm. 235° u. Zers. (A. 290, 242).
- $C_{26}H_{16}Br_4$  1) **Tetra[4-Bromphenyl]äthen**. Sm. 248—249° (253—255° cor.) (A. 296, 231). C 90,9 — H 4,9 — N 4,1 — M. G. 343.
- $C_{26}H_{17}N$  1) **Phenyl- $\beta\beta$ -Dinaphthylamin**. Sm. 144°. Pikrat (B. 15, 2176). — IV, 473.
- $C_{26}H_{17}N_3$  C 84,1 — H 4,6 — N 11,3 — M. G. 371.  
 1) **Phenylamido- $s-a\beta$ -Naphthazin**. Sm. 280° (A. 272, 348). — IV, 1215.  
 2)  $s-a\beta$ -Naphthindulin. Sm. 248—250° (A. 272, 322; B. 31, 2487). — IV, 1214.
- $C_{26}H_{18}O$  C 90,2 — H 5,2 — O 4,6 — M. G. 346.  
 1) **Fluorenäther** (aus 7-Oxyfluoren). Sm. 270° (A. ch. [5] 7, 507). — II, 1082.  
 2) **9-Benzoyl-9-Phenylfluoren** (Diphenylmethylenbenzophenon?). Sm. 172° (B. [3] I, 779; A. 296, 258). — III, 266.
- $C_{26}H_{18}O_2$  3) **10-Keto-9,9-Diphenyl-9,10-Dihydroanthracen**. Sm. 192°. +  $\frac{1}{2}$ Nitrobenzol (A. 202, 65; C. 1895 [2] 363; B. [3] 17, 876). — III, 260.  
 4) **Verbindung** (aus d. Aldehyd d. 1-Phenylbenzol-2-Carbonsäure). Sm. 111° (M. 19, 590). C 86,2 — H 5,0 — O 8,8 — M. G. 362.
- $C_{26}H_{18}O_3$  1) **Dibenzoylbiphenyl**. Sm. 218° (B. 14, 2031). — III, 309.
- $C_{26}H_{18}O_5$  C 82,5 — H 4,8 — O 12,7 — M. G. 378.  
 1) **Verbindung** (aus Xanthydrok). Sm. bei 200° (J. pr. [2] 28, 290; B. 26, 1278). — II, 1114.
- $C_{26}H_{18}O_4$  C 79,1 — H 4,6 — O 16,2 — M. G. 394.  
 1) **Anhydrotris[ $\beta$ -Oxyphenyl]äthen +  $\frac{1}{2}H_2O$ ?** (B. 5, 279). — II, 1040.  
 2) **9,9-Di[ $\beta$ -Oxyphenyl]fluoren- $\beta$ -Carbonsäure**. Sm. 165°. Ag (A. 247, 286). — II, 1916.  
 3) **Diacetat d. 2,2-Binaphthylenglykol**. Sm. 192,5° (A. ch. [5] 28, 178). — II, 1105.  
 4) **Dibenzoat d.  $\gamma$ -Dioxybiphenyl** (Z. 1871, 261). — II, 1151.
- $C_{26}H_{18}O_6$  5) **Verbindung** (aus Resorcin u. Benzylchlorid). Sm. noch nicht bei 320° (B. 31, 310). C 73,3 — H 4,2 — O 32,5 — M. G. 426.
- $C_{26}H_{18}O_7$  1) **9,9-Di[ $\beta$ -Dioxyphenyl]fluoren- $\beta$ -Carbonsäure** (A. 247, 288). — II, 2039.  
 C 70,6 — H 4,1 — O 25,3 — M. G. 442.
- $C_{26}H_{18}O_9$  1) **Norrhizocarpsäure**. Sm. 92°.  $K_2 + 5H_2O$  (J. pr. [2] 58, 513).  
 2) **Benzoylchrysocetrarsäure**. Sm. 156° (J. pr. [2] 57, 312).  
 3) **Verbindung** (aus Euxanthon) (A. 200, 162). C 65,8 — H 3,8 — O 30,4 — M. G. 474.
- $C_{26}H_{18}O_{12}$  1) **Triacetat d. Resorcinoleinanhydrid** (B. 14, 2566). — II, 937.  
 C 59,8 — H 3,4 — O 36,8 — M. G. 522.  
 1) **Flixroth** (A. 143, 277). — III, 590.

- C<sub>26</sub>H<sub>18</sub>O<sub>14</sub>** C 56,3 — H 3,2 — O 40,5 — M. G. 554.  
 1) **Morindin** + H<sub>2</sub>O (*J. 1847/48*, 748; *Z. 1866*, 342; *Soc. 51*, 52). — **III, 455.**  
**C<sub>26</sub>H<sub>18</sub>N<sub>2</sub>** C 87,1 — H 5,0 — N 7,8 — M. G. 358.  
 1) **Diphenylphenhomazin.** Sm. 190° (*B. 29*, 1273). — **III, 182.**  
 2) **N-Phenylidihydrophenanthrenophenazin.** Sm. 230° (*A. 292*, 268). — **IV, 1080.**  
 3) **Verbindung** (aus 2,2'-Diaminobiphenyl u. Benzil). Sm. 238° (*B. 25*, 3288). — **IV, 1094.**  
**C<sub>26</sub>H<sub>18</sub>N<sub>4</sub>** C 80,8 — H 4,7 — N 14,5 — M. G. 386.  
 1) **Naphtylroth.** HCl, (2HCl, PtCl<sub>4</sub>) (*B. 26*, 2235; *A. 286*, 227). — **IV, 1302.**  
**C<sub>26</sub>H<sub>18</sub>Br<sub>2</sub>** 1) **9,10-Dibrom-9,10-Diphenyl-9,10-Dihydroanthracen.** Sm. 127° u. Zers. (*Am. 13*, 558). — **II, 302.**  
**C<sub>26</sub>H<sub>19</sub>N** 90,5 — H 5,5 — N 4,0 — M. G. 345.  
 1) **2,5-Diphenyl-1-[1-Naphthyl]pyrrol.** Sm. 148—149° (*B. 22*, 3092). — **IV, 438.**  
 2) **2,5-Diphenyl-1-[2-Naphthyl]pyrrol.** Sm. 207—208° (*B. 22*, 3093). — **IV, 438.**  
**C<sub>26</sub>H<sub>19</sub>N<sub>3</sub>** C 83,6 — H 5,1 — N 11,2 — M. G. 373.  
 1) **2-Phenylamido-1,1'-Azonaphthalin.** Sm. 140° (*B. 23*, 1330). — **IV, 1400.**  
 2) **2-Phenylamido-1,2'-Azonaphthalin.** Sm. 154—155° (*B. 23*, 1332). — **IV, 1401.**  
 3) **2-[1-Naphthyl]amido-1-Phenylazonaphthalin.** Sm. 167° (*B. 22*, 3346). — **IV, 1398.**  
 4) **2-[2-Naphthyl]amido-1-Phenylazonaphthalin.** Sm. 139° (*B. 23*, 1333). — **IV, 1398.**  
 5) **4-[1-Naphthyl]amido-1-Phenylazonaphthalin.** Sm. 128° (*A. 256*, 257). — **IV, 1397.**  
 6) **4-[2-Naphthyl]amido-1-Phenylazonaphthalin.** Sm. 137° (*B. 22*, 3345; *23*, 1329). — **IV, 1398.**  
**C<sub>26</sub>H<sub>20</sub>O** C 89,7 — H 5,7 — O 4,6 — M. G. 348.  
 1) **α-Benzpinakolin.** Sm. 204—205° (*B. 5*, 277; *11*, 68, 1396; *17*, 911; *29*, 1790, 2160). — **III, 264.**  
 2) **β-Benzpinakolin.** Sm. 181° (178—179°) (*A. 133*, 29; *B. 10*, 1475; *11*, 66; *17*, 911; *29*, 1790, 2160; *J. r. 12*, 429). — **III, 265.**  
 3) **Tetraphenyl-Aethylenoxyd,** siehe C<sub>26</sub>H<sub>20</sub>O Benzhydroläther.  
 4) **4-Benzoyltriphenylmethan.** Sm. 164° (*Bl. [3] 15*, 950).  
 C 85,7 — H 5,5 — O 8,8 — M. G. 364.  
**C<sub>26</sub>H<sub>20</sub>O<sub>2</sub>** 1) **α-Oxy-4-Benzoyltriphenylmethan.** Sm. 158° (*Bl. [3] 15*, 951).  
 2) **Acetat d. β-Oxy-1,2,3-Triphenylbenzol + 2H<sub>2</sub>O.** Sm. 189° (*B. 26*, 68). — **II, 905.**  
 3) **Verbindung** (aus Phenol u. Benzaldehyd) (*Am. 9*, 130). — **III, 10.**  
**C<sub>26</sub>H<sub>20</sub>O<sub>3</sub>** C 82,1 — H 5,3 — O 12,6 — M. G. 380.  
 1) **β-Keto-α-β-Diphenyl-α-β-Di[β-Oxyphenyl]äthan** (*Bl. [3] 7*, 609). — **III, 265.**  
**C<sub>26</sub>H<sub>20</sub>O<sub>4</sub>** C 78,8 — H 5,1 — O 16,1 — M. G. 396.  
 1) **Tetra[β-Oxyphenyl]äthen** (*B. 5*, 278). — **II, 1039.**  
 2) **α-Verbindung** (aus Resorcin u. Benzaldehyd). + 3H<sub>2</sub>O? (*Am. 5*, 340). — **III, 10.**  
 3) **β-Verbindung** (aus d. α-Verb. C<sub>26</sub>H<sub>20</sub>O<sub>4</sub>) + 4H<sub>2</sub>O. Sm. oberh. 330° u. Zers. (*Am. 5*, 344). — **III, 10.**  
 4) **Verbindung** (aus 1,4-Benzoquinon u. 2 Molec. 2-Oxynaphthalin). Sm. 82° Na<sub>2</sub> (*Am. 18*, 19). — **III, 344.**  
 C 75,7 — H 4,8 — O 19,4 — M. G. 412.  
**C<sub>26</sub>H<sub>20</sub>O<sub>5</sub>** 1) **α-Keto-α-β-Triphenyl-β-δ-Hexadien-γ-δ-Dicarbonsäure** (α-Desylen-γ-Methylphenylitakonsäure). Sm. 227—230° u. Zers. K<sub>2</sub>, Piperidinsalz (*B. 30*, 96).  
 C 72,9 — H 4,6 — O 22,5 — M. G. 428.  
 1) **Auron** (*M. 5*, 111). — **III, 79.**  
 2) **Rhizocarpssäure** (oder C<sub>26</sub>H<sub>20</sub>O<sub>7</sub>). Sm. 177—179°. K + H<sub>2</sub>O (*A. 284*, 114; *295*, 236; *B. 30*, 362; *J. pr. [2] 57*, 446; *[2] 58*, 511). — **II, 2039.**  
 3) **Verbindung** (aus Pyrogallol u. Benzaldehyd) (*B. 5*, 251; *Am. 9*, 131). — **III, 11.**



- C 70,3 — H 4,5 — O 25,2 — M. G. 444.  
 1) Diacetat d. **Kresorcinphalein**. Sm. 200° (B. 15, 1069; A. 215, 96). — II, 2066.  
 2) Diacetat d. **Orcinphalein**. Sm. 219—220° (A. 183, 66). — II, 2066.  
 3) Diacetat d.  $\beta$ -**Orcinphalein**. Sm. 227—228° (B. 29, 2636).  
 4) Diacetat d.  $\gamma$ -**Orcinphalein**. Sm. 207—208° (B. 29, 2639).



- C 67,8 — H 4,3 — O 27,8 — M. G. 460.  
 1) Triacetat d. **Benzoylpyrogallolphalein**. Sm. 231° (B. 14, 1864). — II, 2037.



- C 65,6 — H 4,2 — O 30,2 — M. G. 476.



- 1) **Hymatomelansäure** (H. 13, 90).  
 C 59,5 — H 3,8 — O 36,6 — M. G. 524.  
 1) **Cetarsäure**. (NH<sub>4</sub>), Ba, Pb (A. 55, 156; 300, 356; B. 23, 464; J. pr. [2] 57, 301; [2] 58, 502). — II, 2082.



- C 56,1 — H 3,6 — O 40,3 — M. G. 556.  
 1) **Hexaacetat d. 1,2,3,5,6,7-Hexacxy-9,10-Anthrachinon** (A. 170, 83; B. 8, 1257; 10, 883). — III, 439.



- C 86,7 — H 5,5 — N 7,8 — M. G. 360.  
 1)  $\alpha\beta$ -Diphenylimido- $\alpha\beta$ -Diphenyläthan (Benzildianil). Sm. 141—142° (B. 25, 2601). — III, 284.  
 2) 1,3-Di-2-Naphthylamido-benzol. Sm. 192°; Sd. oberh. 460°, 2 HCl (B. 26, 977, 3087). — IV, 573.  
 3) 1,4-Di-2-Naphthylamido-benzol. Sm. 235°; Sd. oberh. 400° u. Zers. Pikrat (B. 22, 1089). — IV, 587.  
 4) 4,4'-Dibenzylidenamidobiphenyl. Sm. 239—240° (231—232°) (B. 11, 832; J. r. 17, 366; 23, 48; A. 258, 375). — IV, 967.  
 5) Di[4-Phenylbenzyliden]hydrazin. Sm. 245° (Bl. [3] 17, 810).  
 6)  $\alpha$ -Di[Diphenylmethylen]hydrazin. (Diphenylketazin: Bisdiphenylazimethylen). Sm. 162° (J. pr. [2] 44, 207). — III, 188.  
 7) 1,2,3-Triphenyl-1,2-Dihydro-1,4-Benzodiazin. Sm. 116—117° (B. 24, 1875). — IV, 1075.



- C 80,4 — H 5,2 — N 14,4 — M. G. 388.  
 1) Di[Diphenylmethylen]tetrazen (J. pr. [2] 44, 200). — III, 188.  
 2) 2,4-Diphenylimido-3-Phenyl-1,2,3,4-Tetrahydro-1,3-Benzodiazin.  $\alpha$ -Modif. Sm. 171°;  $\beta$ -Modif. Sm. 184° (B. 30, 1092, 1686; Am. 21, 139). — IV, 1269.



- C 80,9 — H 6,1 — N 4,0 — M. G. 347.  
 1) 4-Benzylidenamidotriphenylmethan. Sm. 135—136° (B. 26, 3082). — III, 31.



- C 83,2 — H 5,6 — N 11,2 — M. G. 375.  
 1) 4,4'-Di[Benzylidenamido]diphenylamin. Sm. 182° (A. 303, 366).



- C 77,4 — H 5,2 — N 17,4 — M. G. 403.  
 1) 1,3-Di[Amidophenyl]methylen-2-Phenylimido-2,3-Dihydrobenzimidazol. Sm. 188° (B. 24, 2506). — IV, 567.



- $\beta$ -Brom- $\alpha\alpha\beta$ -Tetraphenyläthan. Sm. 177° (Bl. [3] 1, 778). — II, 301.



- C 89,1 — H 6,3 — O 4,6 — M. G. 350.  
 1)  $\alpha$ -Oxy- $\alpha\alpha\beta$ -Tetraphenyläthan. Sm. 151°. — II, 1095.  
 2) Di[Diphenylmethyl]äther (Benzhydroläther). Sm. 111°(109°, 118°); Sd. 315°<sub>14</sub>, (267°<sub>15</sub>) (A. 133, 14; 184, 176; 278, 362; 298, 234; Bl. 33, 341; J. r. 12, 431; B. 11, 1398; 29, 2159; C. 1897 [2] 662). — II, 1078.



- 3) Benzyläther d.  $\alpha$ -Oxytriphenylmethan. Sm. 93° (C. 1896 [1] 416).  
 C 85,2 — H 6,0 — O 8,7 — M. G. 366.



- 1)  $\alpha\alpha$ -Diphenyl- $\beta\beta$ -Di[ $\beta$ -Oxyphenyl]äthan. Sm. 230—232° (A. 270, 331). — II, 1008.  
 2)  $\alpha\beta$ -Dioxy- $\alpha\alpha\beta\beta$ -Tetraphenyläthan (Benzpinakon). Sm. 168° (A. 133, 27; B. 10, 1473; J. r. 12, 426). — II, 1105.



- 3) 4-Keto-3-Acetyl-1,2,6-Triphenyl-1,2,3,4-Tetrahydrobenzol. Sm. 221° (A. 281, 90). — III, 509.  
 C 78,4 — H 5,5 — O 16,1 — M. G. 396.  
 1)  $\alpha\alpha\beta\beta$ -Tetra[ $\beta$ -Oxyphenyl]äthan (A. 202, 133). — II, 1039.  
 2)  $\alpha\alpha\beta\beta$ -Tetra[ $\beta$ -Oxyphenyl]äthan. Sm. 248° (B. 11, 930). — II, 1039.  
 3) Verbindung (aus d.  $\beta$ -Verb.  $C_{26}H_{29}O_4$ ) (Am. 5, 345). — III, II.

- C<sub>16</sub>H<sub>21</sub>O<sub>5</sub>** C 75,4 — H 5,3 — O 19,3 — M. G. 414.  
 1)  $\alpha$ -[4-Methylbenzoat]- $\beta$ -Aethyläther d.  $\alpha\beta$ -Dioxy- $\gamma\delta$ -Diketo- $\alpha\delta$ -Diphenyl- $\alpha$ -Buten. Sm. 125—126° (B. 27, 713). — III, 317.
- C<sub>16</sub>H<sub>21</sub>O<sub>6</sub>** C 72,6 — H 5,1 — O 22,3 — M. G. 430.  
 1) Diacetat d. o-Kresolphaltein. Sm. 73—75° (A. 202, 156). — II, 1987.  
 2)  $\alpha$ -Lakton d.  $\alpha$ -Oxytriphenylmethan- $\alpha^1,\alpha^2,\alpha^3$ -Tricarbonsäurediäthylester. Sm. 138—139° (A. 209, 298).
- C<sub>16</sub>H<sub>21</sub>O<sub>7</sub>** C 70,0 — H 4,9 — O 25,1 — M. G. 446.  
 1) Verbindung (aus Pyrogallol u. Benzaldehyd). kryst. (B. 5, 281; Am. 9, 131). — III, II.
- C<sub>16</sub>H<sub>21</sub>O<sub>8</sub>** C 67,6 — H 4,7 — O 27,7 — M. G. 462.  
 1) Diäthylester d. 2,5-Dibenzoxybenzol-1,4-Dicarbonsäure. Sm. 174° (A. 258, 308). — II, 2003.
- C<sub>16</sub>H<sub>21</sub>O<sub>9</sub>** 2) Diäthylester d. Disalicylsäurephthalid. Sm. 144° (A. 303, 287).  
 3) Diäthylester d. Phthalylid-3-Oxybenzol-1-Carbonsäure. Sm. 66° (A. 303, 276).  
 4) Diäthylester d. Phthalylid-4-Oxybenzol-1-Carbonsäure. Sm. 97° (A. 303, 276).
- C<sub>16</sub>H<sub>21</sub>O<sub>9</sub>** C 65,3 — H 4,6 — O 30,1 — M. G. 478.  
 1) Hymatomelansäure (oder C<sub>16</sub>H<sub>20</sub>O<sub>9</sub>) (H. 13, 90). — I, 1109.
- C<sub>16</sub>H<sub>21</sub>O<sub>10</sub>** C 63,1 — H 4,5 — O 32,4 — M. G. 494.  
 1) Huminsäure. BaO (H. 13, 108). — I, 1108.
- C<sub>16</sub>H<sub>21</sub>O<sub>11</sub>** C 61,2 — H 4,3 — O 34,5 — M. G. 510.  
 1) Ratanhiacit (A. 143, 275). — III, 590.  
 2) Tormentillgerbstoff (A. 145, 8). — III, 688.  
 3) Tormentillroth (A. 145, 7). — III, 688.  
 4) Verbindung (aus Kastaniengerbsäure). — III, 685.
- C<sub>16</sub>H<sub>21</sub>O<sub>12</sub>** C 57,6 — H 4,0 — O 38,4 — M. G. 542.  
 1) Hexaacetat d. Verb. C<sub>14</sub>H<sub>18</sub>O<sub>7</sub> (B. 9, 1257). — III, 439.  
 2) Verbindung (aus Kastaniengerbsäure). — III, 685.
- C<sub>16</sub>H<sub>21</sub>N<sub>2</sub>** C 86,2 — H 6,1 — N 7,7 — M. G. 362.  
 1)  $\alpha$ -Phenylimido- $\alpha$ -Phenylbenzylamido- $\alpha$ -Phenylmethan. Sm. 111° (A. 273, 11). — IV, 843.  
 2)  $\beta$ -Phenylhydrazon- $\alpha\alpha\beta$ -Triphenyläthan. Sm. 156° (C. 1897 [2] 661). — IV, 778.  
 3)  $\alpha$ -Diphenylhydrazon-4-Methyldiphenylmethan. Sm. 122° (B. 26, 32). — IV, 777.  
 4) isom.  $\alpha$ -Diphenylhydrazon-4-Methyldiphenylmethan. Sm. 95—96° (B. 26, 33). — IV, 777.  
 5)  $\alpha$ -[4-Methylphenyl]azotriphenylmethan. Sm. 103,5° u. Zers. (C. 1898 [2] 1131). — IV, 1404.  
 6) 3-Phenyl-2-[4-Isopropylphenyl]- $\alpha$ -Naphtimidazol. Sm. 136° (B. 25, 2831). — IV, 1065.  
 7) Base (aus Benzylidenamido benzol). (2HCl, PtCl<sub>4</sub>) (A. 148, 336; A. Spt. 3, 357). — III, 29.  
 8) Base (aus d. Base C<sub>16</sub>H<sub>18</sub>N<sub>2</sub>). Sm. 154° (B. 25, 3289). — IV, 1091.
- C<sub>16</sub>H<sub>21</sub>N<sub>4</sub>** C 80,0 — H 5,6 — N 14,3 — M. G. 390.  
 1) anti- $\alpha\beta$ -Di[Phenylhydrazon]- $\alpha\beta$ -Diphenyläthan. Sm. 225° (228 bis 229°) (A. 232, 230; 305, 173; G. 22 [2] 611; 23 [2] 225; 27 [2] 284; Soc. 67, 612; Am. 16, 111). — IV, 785.  
 2) syn- $\alpha\beta$ -Di[Phenylhydrazon]- $\alpha\beta$ -Diphenyläthan. Sm. 208° (Soc. 67, 611; B. 31, 1251; A. 305, 172). — IV, 785.  
 3)  $\alpha\beta$ -Di[Benzylidenamido]- $\alpha\beta$ -Diphenylhydrazin. Sm. 186° (190°) (Soc. 67, 611; B. 26, 1045; G. 22 [2] 228; 26 [1] 441; 27 [2] 261; A. 305, 174). — IV, 749.  
 4) Dehydrobenzalphenylhydrazon. Sm. 198—200° (202°) (Soc. 67, 615; G. 26 [1] 448; 27 [2] 261). — IV, 749.  
 5) 2,8-Di[Benzylamido]-5,10-Naphtdiazin + 3H<sub>2</sub>O. (2HCl, PtCl<sub>4</sub>) (Soc. 56, 599). — IV, 1283.  
 6) Dimethylamidophenylindulin (Indazin). Sm. 218—220°. + C<sub>6</sub>H<sub>6</sub> (A. 262, 263). — IV, 1285.

- C<sub>25</sub>H<sub>22</sub>N<sub>4</sub>** 7) **Base** (aus 1,3-Di[Phenylamido]benzol u. 4-Nitroso-1-Dimethylamidobenzol). Sm. 218—220°. + C<sub>6</sub>H<sub>6</sub> (*A.* **262**, 263; **286**, 204). C 74,6 — H 5,3 — N 20,1 — M. G. 418.
- C<sub>25</sub>H<sub>22</sub>N<sub>4</sub>** 1) **4,4'-Di[4-Methylphenylazo]azobenzol.** Sm. 201—202° (*B.* **31**, 996). — **IV**, 1385.
- C<sub>25</sub>H<sub>22</sub>N<sub>4</sub>** C 70,0 — H 4,9 — N 25,1 — M. G. 446.
- C<sub>25</sub>H<sub>22</sub>N<sub>4</sub>** 1)  **$\alpha\beta$ -Diphenylazo- $\alpha\beta$ -Di[Phenylhydrazon]äthan** (Diformazyl). Sm. 220°. HCl, H<sub>2</sub>SO<sub>4</sub> (*B.* **26**, 2979). — **IV**, 1372.
- C<sub>25</sub>H<sub>22</sub>S<sub>2</sub>** 1)  **$\alpha\beta$ -Dimerkapto- $\alpha\beta\beta\beta$ -Tetraphenyläthan** (Dithiobenzpinakon). Sm. 151° (*B.* **5**, 970; *II*, 925; *Soc.* **49**, 479). — **II**, 1105.
- C<sub>25</sub>H<sub>22</sub>S<sub>4</sub>** 1) **Tetraphenyläther d.  $\alpha\alpha\beta\beta$ -Tetramerkaptoäthan.** Sm. 115° (*B.* **23**, 3243). — **II**, 790.
- C<sub>25</sub>H<sub>22</sub>N** C 89,4 — H 6,6 — N 4,0 — M. G. 349.
- C<sub>25</sub>H<sub>22</sub>N** 1)  **$\alpha$ -[2-Methylphenyl]amidotriphenylmethan.** Sm. 142° (*B.* **17**, 705). — **II**, 642.
- C<sub>25</sub>H<sub>22</sub>N** 2)  **$\alpha$ -[4-Methylphenyl]amidotriphenylmethan.** Sm. 177° (*B.* **17**, 706). — **II**, 642.
- C<sub>25</sub>H<sub>22</sub>N** 3)  **$\alpha$ -Benzylamidotriphenylmethan.** Sm. 110°. HCl (*B.* **17**, 703). — **II**, 642.
- C<sub>25</sub>H<sub>22</sub>N** 4) **Di[Diphenylmethyl]amin** (Dibenzhydrylamin). Sm. 136°. Pikrat (*Bl.* **33**, 587). — **II**, 635.
- C<sub>25</sub>H<sub>22</sub>N** 5) **2-Phenylbenzylamidotriphenylmethan** (*Soc.* **41**, 196). — **II**, 635.
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>** 6)  **$\beta$ -Tribenzylpyridin.** Sm. 278—280° (*A.* **280**, 46). — **IV**, 477.
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>** C 84,7 — H 6,5 — O 8,7 — M. G. 368.
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>** 1) **Diäthyläther d. Di[1-Oxy- $\beta$ -Naphthyl]äthen.** 2 Modifikationen. Sm. 185—186°. Pikrat (*J. pr.* [2] **47**, 71). — **II**, 1008.
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>** 2) **Diäthyläther d. Di[2-Oxy- $\beta$ -Naphthyl]äthen.** Sm. 186° (*J. pr.* [2] **47**, 76). — **II**, 1008.
- C<sub>25</sub>H<sub>22</sub>O<sub>3</sub>** C 81,2 — H 6,2 — O 12,5 — M. G. 384.
- C<sub>25</sub>H<sub>22</sub>O<sub>3</sub>** 1)  **$\gamma\gamma$ -Diacetyl- $\alpha$ -Benzoyl- $\alpha\beta$ -Diphenylpropan.** Sm. 191—192° (*A.* **281**, 88). — **III**, 322.
- C<sub>25</sub>H<sub>22</sub>O<sub>4</sub>** C 72,2 — H 5,5 — O 22,2 — M. G. 432.
- C<sub>25</sub>H<sub>22</sub>O<sub>4</sub>** 1) **Triacetat d. Phenolphthalol.** Sm. 40° (*A.* **202**, 90). — **II**, 1115.
- C<sub>25</sub>H<sub>22</sub>O<sub>4</sub>** 2) **Triacetat d.  $\alpha\beta\beta$ -Tri[ $\beta$ -Oxyphenyl]äthen** (*A.* **243**, 161). — **II**, 1028.
- C<sub>25</sub>H<sub>22</sub>O<sub>4</sub>** 3) **Triacetat d. Di[ $\beta$ -Dioxophenyl]- $\beta$ -Oxy- $\beta$ -Methylphenylmethan.** Sm. 148—149° (*A.* **179**, 199). — **II**, 1028.
- C<sub>25</sub>H<sub>22</sub>O<sub>4</sub>** 4) **Tribenzoat d.  $\alpha\alpha\alpha$ -Tri[Oxymethyl]äthen** (*A.* **276**, 78). — **II**, 1142.
- C<sub>25</sub>H<sub>22</sub>O<sub>4</sub>** 5) **Diacetyl- $\alpha$ -Kresolphthalinsäure.** Sm. 138—140° (*A.* **202**, 169). — **II**, 1112.
- C<sub>25</sub>H<sub>22</sub>O<sub>5</sub>** C 67,2 — H 5,2 — O 27,6 — M. G. 464.
- C<sub>25</sub>H<sub>22</sub>O<sub>5</sub>** 1) **Diäthylester d. 2,5-Dibenoxyl-1,4-Dihydrobenzol-1,4-Dicarbonsäure.**  $\alpha$ -Derivat Sm. 105°;  $\beta$ -Derivat Sm. 138°;  $\gamma$ -Derivat Sm. 102,5° (*A.* **258**, 310). — **II**, 1992.
- C<sub>25</sub>H<sub>22</sub>O<sub>10</sub>** C 62,9 — H 4,8 — O 32,2 — M. G. 496.
- C<sub>25</sub>H<sub>22</sub>O<sub>11</sub>** 1) **Quebrachogerbsäure** (*J.* **1879**, 906). — **III**, 590.
- C<sub>25</sub>H<sub>22</sub>O<sub>11</sub>** C 60,9 — H 4,7 — O 34,4 — M. G. 512.
- C<sub>25</sub>H<sub>22</sub>O<sub>11</sub>** 1) **Pentaacetat d. Hämatoxillin.** Sm. 165—166° (*B.* **4**, 331; *A.* **216**, 234). — **III**, 665.
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** C 59,1 — H 4,5 — O 36,4 — M. G. 528.
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** 1) **Eichenroth** (*H.* **13**, 89). — **III**, 588.
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** C 57,3 — H 4,4 — O 38,2 — M. G. 544.
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** 1) **Verbindung** (aus Kastaniengerbsäure). — **III**, 685.
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** 2) **Phylliscitanin + H<sub>2</sub>O** (*Z.* **1867**, 84). — **III**, 685.
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** C 52,7 — H 4,0 — O 43,2 — M. G. 592.
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** 1)  **$\beta$ -Ampelochroinsäure** (*B.* **25** [2] 478; *Bl.* [3] **7**, 827).
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** C 85,7 — H 6,6 — N 7,7 — M. G. 364.
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** 1)  **$\alpha$ -Triphenylmethyl- $\beta$ -[4-Methylphenyl]hydrazin.** Sm. 157° u. Zers. (*C.* **1898** [2] 1131).
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** C 79,6 — H 6,1 — N 14,3 — M. G. 392.
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** 1) **4,4'-Di[Methylphenylamido]azobenzol.** Sm. 150° (*M.* **4**, 798). — **IV**, 1362.
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** 2) **1,2,4,5-Tetraphenylhexahydro-1,2,4,5-Tetrasin.** Sm. 200° (*B.* **31**, 3250). — **IV**, 1496.
- C<sub>25</sub>H<sub>22</sub>O<sub>12</sub>** 3) **Diphenyldibenzyltetrazen.** Sm. 141—142° (109°) (*A.* **252**, 290; *G.* **22** [2] 225). — **IV**, 1309.

- C<sub>26</sub>H<sub>26</sub>O<sub>4</sub>** C 77,6 — H 6,4 — O 15,9 — M. G. 402.  
 1) Diäthylester d. *ααα-Triphenyläthan-βγ-Dicarbonsäure*. Sm. 133° (Soc. 51, 225). — II, 1913.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>** 2) Di[2,4,5-Trimethylphenylester] d. Benzol-1,2-Dicarbonsäure. Sm. 118—119° (B. 26, 208). — II, 1794.  
 C 74,6 — H 6,2 — O 19,1 — M. G. 418.
- C<sub>26</sub>H<sub>26</sub>O<sub>6</sub>** 1) Triäthyläther d. Fluorescin. Sm. 110° (B. 28, 51). — II, 2038.  
 C 71,9 — H 6,0 — O 22,1 — M. G. 434.
- C<sub>26</sub>H<sub>26</sub>O<sub>8</sub>** 1) Baphinton (J. 1878, 896). — III, 620.  
 2) Diäthylester d. 2,5-Dioxybenzoldibenzyläther-1,4-Dicarbonsäure. Sm. 96,5° (A. 258, 299). — II, 2002.  
 C 67,0 — H 5,6 — O 27,4 — M. G. 406.
- C<sub>26</sub>H<sub>26</sub>O<sub>9</sub>** 1) Diäthylester d. *βε-Dibenzoyl-γδ-Hexadien-γδ-Dicarbonsäure*. Sm. 111° (B. 30, 1994).  
 2) Diäthylester d. *αδ-Diacetoxyl-αδ-Diphenyl-αγ-Butadien-βγ-Dicarbonsäure*. Sm. 106° (B. 30, 1996).
- C<sub>26</sub>H<sub>26</sub>O<sub>11</sub>** C 55,5 — H 4,6 — O 49,9 — M. G. 562.  
 1) Rheumgerbsäure. Sm. 100° (Z. 1868, 308). — III, 591.
- C<sub>26</sub>H<sub>26</sub>N<sub>2</sub>** C 85,2 — H 7,1 — N 7,6 — M. G. 366.  
 1) Bi[Tetrahydro-*a*-Naphtochinolin]. Sm. 282° (B. 24, 2495). — IV, 1082.
- C<sub>26</sub>H<sub>26</sub>N<sub>4</sub>** C 79,2 — H 6,6 — N 14,2 — M. G. 394.  
 1) *ααβ-Tetra[4-Amidophenyl]äthan*. Sm. 264° (272° cor.). (4HCl, SnCl<sub>2</sub>) (A. 296, 227).  
 2) 4,4'-Di[2-Amidobenzylamido]biphenyl. Sm. 185° (B. 29, 1452). — IV, 964.
- C<sub>26</sub>H<sub>27</sub>N<sub>3</sub>** C 81,9 — H 7,1 — N 11,0 — M. G. 381.  
 1) *αα-Di[4-Dimethylamidophenyl]-α-[6-Chinolyl]methan*. Sm. 165°. 3HCl (B. 24, 3141). — IV, 1213.
- C<sub>26</sub>H<sub>28</sub>O<sub>2</sub>** C 83,8 — H 7,5 — O 8,6 — M. G. 372.  
 1) bim. Methylphenylcylohexenon. Sm. 159° (B. 32, 426).  
 2) Acetat d. 3-Oxy-*P*-Dibenzylyl-4-Isopropyl-1-Methylbenzol. Sm. 82 bis 85° (G. 11, 349). — II, 905.
- C<sub>26</sub>H<sub>28</sub>O<sub>6</sub>** C 71,5 — H 6,4 — O 22,0 — M. G. 436.  
 1) Diäthylester d. 2,5-Dioxy-1,4-Dihydrobenzoldibenzyläther-1,4-Dicarbonsäure. α-Derivat Sm. 169° (A. 258, 301); β-Derivat Sm. 148,5° (A. 258, 302); γ-Derivat Sm. 140,5° (A. 258, 305); π-Derivat Sm. 272° = (C<sub>26</sub>H<sub>28</sub>O<sub>6</sub>)<sub>n</sub> — II, 1991.
- C<sub>26</sub>H<sub>29</sub>O<sub>14</sub>** C 55,3 — H 4,9 — O 39,7 — M. G. 564.  
 1) Ruberythrinsäure. Sm. 258—260°. K. Ba + H<sub>2</sub>O. Ph<sub>3</sub> + 2H<sub>2</sub>O? (A. 66, 176; 80, 324; A. Spd. 7, 296; J. 1855, 606; 1861, 938; B. 20, 2241; Soc. 63, 1180). — III, 607.
- C<sub>26</sub>H<sub>29</sub>O<sub>16</sub>** C 52,3 — H 4,7 — O 42,9 — M. G. 596.  
 1) Säure (aus Sordidin). Sm. 182—183° (G. 24 [2] 334). — II, 2059.
- C<sub>26</sub>H<sub>29</sub>N<sub>6</sub>** C 73,6 — H 6,6 — N 19,8 — M. G. 424.  
 1) *βε-Tri[Phenylhydrazon]-γ-Methyl-γ-Hepten*. Sm. 204—205° (B. 21, 1420). — IV, 787.  
 2) 5-Methyl-3,5-Di[*α*-Phenylhydrazonäthyl]-1-Phenyl-4,5-Dihydro-pyrazol. Sm. 204—205° (B. 21, 1420; 28, 1846).
- C<sub>26</sub>H<sub>30</sub>O<sub>7</sub>** 1) Anhydrid d. *β-Acetoxy-β-Phenyl-αα-Dimethylpropionsäure*. Sm. 155° (A. 227, 69). — II, 1591.
- C<sub>26</sub>H<sub>30</sub>O<sub>8</sub>** C 66,4 — H 6,4 — O 27,2 — M. G. 470.  
 1) Tetracytinorguajakharzsäure. Sm. 100—102° (M. 18, 721).  
 2) Dipropylester d. Diphenylessigweinsäure. Fl. (A. ch. [7] 3, 476) — II, 1310.  
 3) Diisobutylester d. Dibenzoylweinsäure (B. 15, 2243). — II, 1155.  
 C 64,2 — H 6,2 — O 29,6 — M. G. 486.
- C<sub>26</sub>H<sub>30</sub>O<sub>9</sub>** 1) Isobutyraldehydphloroglucid (C. 1898 [2] 486).
- C<sub>26</sub>H<sub>30</sub>O<sub>12</sub>** C 58,4 — H 5,6 — O 36,0 — M. G. 534.  
 1) Verbindung (aus Holzsulfatlauge oder C<sub>26</sub>H<sub>30</sub>O<sub>11</sub>) (A. 267, 357).
- C<sub>26</sub>H<sub>30</sub>O<sub>13</sub>** C 56,7 — H 5,4 — O 37,8 — M. G. 550.  
 1) Pentaacetat d. Kolattannin (C. 1898 [1] 579).  
 2) Anhydrid d. Fraxinusgerbsäure (M. 3, 750). — III, 681.

- C<sub>25</sub>H<sub>35</sub>O<sub>15</sub>** C 53,6 — H 5,1 — O 41,2 — M. G. 582.  
 1) **2-Oxybenzo-1-Carbeneäreglykosid.** Sm. 184—185° (*Am.* **5**, 173). — **II, 1493.**
- C<sub>26</sub>H<sub>30</sub>N<sub>4</sub>** 2) **Verbindung** (aus *Fraxinus excelsior*) (*M.* **3**, 757). — **III, 682.**  
 C 78,4 — H 7,5 — N 14,1 — M. G. 398.  
 1) **1,4-Di[4-Aethylamido-3-Methylbenzylidenamido]benzol.** Sm. 234 bis 235° (*B.* **31**, 2256).  
 2) **Tetraäthylphenosafranin.** (2HCl, PtCl<sub>4</sub>) (*B.* **16**, 472). — **IV, 1283.**  
 3) **Phenylhydrason d. Methyleinchonin.** Sm. 151,5° (*B.* **27**, 1187). — **IV, 798.**
- C<sub>26</sub>H<sub>32</sub>O<sub>8</sub>** C 66,1 — H 6,8 — O 27,1 — M. G. 472.  
 1) **Hexaäthyläther d. 1,2,3,5,6,7-Hexaoxy-9,10-Anthrachinon.** Sm. bei etwa 40° (*B.* **10**, 886). — **III, 439.**
- C<sub>26</sub>H<sub>32</sub>O<sub>9</sub>** C 63,9 — H 6,6 — O 29,5 — M. G. 488.  
 1) **Säure** (aus Myrrhe) (*B.* **23** [2] 494). — **III, 560.**
- C<sub>26</sub>H<sub>32</sub>O<sub>11</sub>** C 60,0 — H 6,2 — O 33,8 — M. G. 520.  
 1) **Glykosid** (aus *Olea fragans*). Sm. 184° (*R.* **5**, 127). — **III, 600.**
- C<sub>26</sub>H<sub>32</sub>O<sub>14</sub>** C 54,9 — H 5,6 — O 39,4 — M. G. 568.  
 1) **Baptisin + 9H-O.** Sm. 240° (wasserfrei) (*C.* **1897** [2] 429, 709).  
 2) **Fraxinusgerbsäure** (*M.* **3**, 750). — **III, 681.**
- C<sub>26</sub>H<sub>32</sub>O<sub>16</sub>** C 52,0 — H 5,3 — O 42,7 — M. G. 600.  
 1) **Verbindung** (aus *Fraxinus excelsior*) (*M.* **3**, 757). — **III, 682.**  
 C 83,9 — H 8,6 — N 7,4 — M. G. 372.
- C<sub>26</sub>H<sub>32</sub>N<sub>2</sub>** 1) **1,2-Di[2,4,5-Trimethylphenylamidomethyl]benzol** (*B.* **31**, 422).  
 2) **4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]-4<sup>3</sup>-Isopropyltriphenylmethan.** Sm. 118 bis 119°, 2HCl. (2HCl, PtCl<sub>4</sub>). Pikrat (*B.* **13**, 786; *A.* **206**, 139). — **IV, 1048.**  
**C<sub>26</sub>H<sub>33</sub>N<sub>3</sub>** C 80,6 — H 8,5 — N 10,9 — M. G. 387.  
 1)  **$\alpha\alpha\beta$ -Tri[4-Dimethylamidophenyl]äthan.** Sm. 125° (*B.* **20**, 2424). — **IV, 1198.**  
 2) **3'-Amido-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]-2',4',6'-Trimethyltriphenylmethan.** Sm. 142° (*B.* **24**, 3135). — **IV, 1199.**  
 3) **4<sup>1</sup>,4<sup>2</sup>,5<sup>3</sup>-Tri[Dimethylamido]-2<sup>3</sup>-Methyltriphenylmethan.** Sm. bei 100° (*B.* **24**, 3139). — **IV, 1197.**
- C<sub>26</sub>H<sub>34</sub>O** C 86,2 — H 9,4 — O 4,4 — M. G. 362.  
 1) **Di-3-Methyl-5-Phenylhexahydrophenyläther.** Sm. 80—100°; Sd. oberh. 300° (*A.* **303**, 262).  
 C 76,1 — H 8,3 — O 15,6 — M. G. 410.
- C<sub>26</sub>H<sub>34</sub>O<sub>4</sub>** 1) **Diacetat d. Dithymoläthan.** Sm. 100° (*B.* **11**, 288). — **II, 997.**  
**C<sub>26</sub>H<sub>34</sub>O<sub>5</sub>** C 73,2 — H 8,0 — O 18,8 — M. G. 426.  
 1) **Harr** (aus Myrrhe) (*B.* **23** [2] 494). — **III, 560.**
- C<sub>26</sub>H<sub>34</sub>O<sub>10</sub>** C 61,6 — H 6,7 — O 31,6 — M. G. 506.  
 1) **Kosotoxin** (*B.* **27** [2] 311).
- C<sub>26</sub>H<sub>34</sub>O<sub>14</sub>** C 54,7 — H 5,9 — O 39,3 — M. G. 570.  
 1) **Helicoidin** (*A.* **56**, 69; **154**, 14). — **III, 69.**
- C<sub>26</sub>H<sub>34</sub>O<sub>16</sub>** C 51,8 — H 5,6 — O 42,5 — M. G. 602.  
 1) **Verbindung** (aus Jute) (*Soc.* **41**, 92). — **I, 1080.**
- C<sub>26</sub>H<sub>34</sub>O<sub>17</sub>** C 50,5 — H 5,5 — O 34,0 — M. G. 618.  
 1) **Heptacytalinulin** (*A.* **160**, 85). — **I, 1096.**
- C<sub>26</sub>H<sub>35</sub>O<sub>8</sub>** C 78,8 — H 9,1 — O 12,1 — M. G. 396.  
 1) **Verbindung** (aus Benzolcarbonsäureäthylester). Sd. 217° (*J. pr.* [2] **4**, 448). — **II, 1139.**
- C<sub>26</sub>H<sub>35</sub>O<sub>16</sub>** C 49,1 — H 5,6 — O 45,3 — M. G. 636.  
 1) **Heptacetat d. Rohrzucker** (*Bl.* **12**, 207). — **I, 1070.**
- C<sub>26</sub>H<sub>36</sub>N<sub>2</sub>** C 83,0 — H 9,6 — N 7,4 — M. G. 376.  
 1) **Diönanthyllidenbenzidin.** Sm. 113—115° (*A.* **258**, 377). — **IV, 967.**
- C<sub>26</sub>H<sub>38</sub>O<sub>2</sub>** C 81,7 — H 9,9 — O 8,4 — M. G. 382.  
 1) **Diäthyläther d. Dithymoläthan.** Sm. 72° (*B.* **11**, 288). — **II, 997.**
- C<sub>26</sub>H<sub>38</sub>O<sub>4</sub>** C 75,4 — H 9,2 — O 15,4 — M. G. 414.  
 1) **Resorcinbicampher** (*Bl.* [3] **4**, 726). — **III, 487.**
- C<sub>26</sub>H<sub>38</sub>O<sub>5</sub>** C 72,6 — H 8,8 — O 18,6 — M. G. 430.  
 1) **Aethylester d. Dehydrocholsäure.** Sm. 221° (*H.* **16**, 495; *B.* **14**, 74). — **II, 1969.**
- C<sub>26</sub>H<sub>38</sub>O<sub>7</sub>** C 67,5 — H 8,2 — O 24,2 — M. G. 462.  
 1) **Strophanthidin + 1<sup>1</sup>,H<sub>2</sub>O.** Sm. 169—170° (*B.* **31**, 338).

$C_{26}H_{38}N_2$ 

C 82,5 — H 10,1 — N 7,4 — M. G. 378.  
1) Diönanthylidendiphenyldiamin. Fl. (A. *Spl.* 3, 352; A. **148**, 336). — II, 445.

 $C_{26}H_{38}J_2$   
 $C_{26}H_{40}O$ 

1) Carotindijodid (*Bl.* **46**, 488; **48**, 65). — II, 243; III, 626.  
C 84,8 — H 10,9 — O 4,3 — M. G. 368.

 $C_{26}H_{40}O_2$ 

1) Ergosterin +  $H_2O$ . Sm. 154°; Sd. 185° (A. *ch.* [6] **20**, 289). — II, 1076.  
C 81,3 — H 10,4 — O 8,3 — M. G. 384.

 $C_{26}H_{40}O_7$ 

1) Onoketon. Sm. 186—187° (*B.* **29**, 2987).  
C 67,2 — H 8,6 — O 24,1 — M. G. 464.  
1) Monomethylester d. Cholansäure +  $H_2O$ . Sm. 206—207°. Ba (*B.* **19**, 479). — II, 2017.

 $C_{26}H_{40}N_2$ 

2) Monomethylester d. Isocholansäure. Ba (*B.* **19**, 1530). — II, 2017.  
C 82,1 — H 10,5 — N 7,4 — M. G. 380.

 $C_{26}H_{42}O$ 

1) Hydrazon d.  $\alpha$ -Jonon. Sm. 99° (B. **31**, 877).  
2) Hydrazon d.  $\beta$ -Jonon. Sm. 104—105° (B. **31**, 872).

 $C_{26}H_{42}O_3$ 

C 84,3 — H 11,3 — O 4,3 — M. G. 370.  
1) Lupeol. Sm. 204° (*H.* **15**, 415). — II, 1077.

 $C_{26}H_{42}O_5$ 

C 77,6 — H 10,4 — O 11,9 — M. G. 402.  
1) Genocarpol +  $H_2O$ . Sm. 304°; Sd. 405° u. Zers. K +  $2H_2O$ , (2 + 3PbO +  $H_2O$ ), (2 + 3AgOH + 4 $H_2O$ ) (*B.* **25** [2] 215). — III, 638.

 $C_{26}H_{42}O_5$ 

C 71,0 — H 9,7 — O 18,4 — M. G. 434.  
1) Säure (aus Genocarpol) (*B.* **25** [2] 216). — III, 638.

 $C_{26}H_{42}O_7$ 

1) Chologlykolsäure. Na, Ba +  $3H_2O$ , Ag (*Bl.* **25**, 182).  
C 60,7 — H 8,2 — O 31,1 — M. G. 514.

 $C_{26}H_{42}O_{10}$ 

1) Quercitpentabutyrat (A. *ch.* [5] **15**, 51). — I, 424.

 $C_{26}H_{43}Cl$ 

1) Cholesterylchlorid (oder  $C_{27}H_{45}Cl$ ). Sm. 97° (A. **112**, 359; **118**, 26; *J. r.* **8**, 236; *Bl.* **47**, 899; *M.* **15**, 87, 368; **17**, 46). — II, 1073.

 $C_{26}H_{44}O$ 

2) Isocholesterylchlorid (*J. pr.* [2] **7**, 175). — II, 1075.  
C 83,8 — H 11,8 — O 4,3 — M. G. 372.

1) Cholesterin +  $H_2O$ , siehe  $C_{27}H_{46}O$ . — II, 1071.

2) Isocholesterin. Sm. 137—138° (*J. pr.* [2] **7**, 172; [2] **25**, 459; *B.* **12**, 249; **31**, 99, 1126, 1200; *H.* **14**, 522). — II, 1075.

3) Paracholesterin +  $H_2O$  (oder  $C_{26}H_{46}O + H_2O$ ). Sm. 134—134,5° (A. **207**, 229; **211**, 283; *J. pr.* [2] **25**, 459). — II, 1075.

4) Caulosterin +  $H_2O$ . Sm. 158—159° (*J. pr.* [2] **25**, 166). — II, 1076.

5) Phytosterin +  $H_2O$ . Sm. 132—133° (*J. 1863*, 542; **1866**, 698; A. **122**, 249; **192**, 175; **211**, 283; *H.* **8**, 356; *B.* **29** [2] 38). — II, 1075.

6) Paraphytosterin +  $H_2O$  (oder  $C_{24}H_{46}O$ ). Sm. 149—150° (*H.* **15**, 150). — II, 1075.

7) Heptadekyl-2,4-Dimethylphenylketon. Sm. 139° (*J. pr.* [2] **54**, 393).

8) Heptadekyl-2,5-Dimethylphenylketon. Sm. 57° (*J. pr.* [2] **54**, 400).

9) Verbindung (Cholesterin aus *Hygropila spinosa*). Sm. 184° (*B.* **25** [2] 685).

 $C_{26}H_{44}O_2$ 

C 80,4 — H 11,3 — O 8,2 — M. G. 388.

1) Dracoresen. Sm. 74° (*C.* **1896** [2] 713).

2) Onocerin (Onocol). Sm. 232° (*J.* **1855**, 717; *B.* **29**, 2985). — III, 638.

 $C_{26}H_{44}O_5$ 

C 71,5 — H 10,1 — O 8,3 — M. G. 436.

1) Aethylester d. Cholsäure. Sm. 158° (*B.* **6**, 1285; *J. pr.* [1] **89**, 272; *H.* **10**, 194; **16**, 497; **22**, 196). — I, 787.

 $C_{26}H_{44}O_6$ 

C 69,0 — H 9,7 — O 21,2 — M. G. 452.  
1) Verbindung (aus d. Glykosid  $C_{32}H_{54}O_{11}$ ). Sm. 278—280° (*Bl.* **35**, 231). — III, 582.

 $C_{26}H_{44}O_{10}$ 

C 60,5 — H 8,5 — O 31,0 — M. G. 516.

1) Tetracylstativinsäure. Fl. (*M.* **8**, 154). — I, 787.

 $C_{26}H_{44}O_{15}$ 

C 52,3 — H 7,4 — O 40,3 — M. G. 596.

1) Helleborin (siehe auch  $C_{27}H_{56}O_{15}$ ). Zers. bei 220—230° (A. **135**, 55; C. **1897** [2] 764). — III, 593.

 $C_{26}H_{45}N$ 

C 84,1 — H 12,1 — N 3,8 — M. G. 371.

1) Cholesterylamin. Sm. 104° (*B.* **5**, 513). — II, 590.

 $C_{26}H_{46}O$ 

C 83,4 — H 12,3 — O 4,3 — M. G. 374.

1) Mochylalkohol. Sm. 234° (*Soc.* **53**, 274). — II, 1069.

 $C_{26}H_{46}O_9$ 

C 62,2 — H 9,1 — O 28,7 — M. G. 502.

1) Paritol (J. **1860**, 543). — III, 599.

- C<sub>26</sub>H<sub>48</sub>O<sub>2</sub>** C 83,0 — H 12,8 — O 4,2 — M. G. 376.  
1) **Palmitat d. Geraniol (P. d. Rhodinol).** Sd. bei 260°<sub>12</sub> (B. 31, 357).  
**C<sub>26</sub>H<sub>48</sub>O<sub>3</sub>** C 52,0 — H 8,0 — O 40,0 — M. G. 600.  
1) **Chiratin (J. 1869, 772).** — III, 576.  
**C<sub>26</sub>H<sub>50</sub>O<sub>4</sub>** C 73,2 — H 11,7 — O 15,0 — M. G. 426.  
1) **Tetrakosan- $\alpha$ -Dicarbonsäure.** Sm. 114° (C. 1896 [1] 643).  
**C<sub>26</sub>H<sub>52</sub>O<sub>2</sub>** C 78,8 — H 13,1 — O 8,1 — M. G. 396.  
1) **Cerotinsäure (siehe C<sub>25</sub>H<sub>50</sub>O<sub>2</sub> u. C<sub>27</sub>H<sub>54</sub>O<sub>4</sub>).** Sm. 78,5° (B. 30, 1416).  
2) **Methylester d. Carotinsäure.** Sm. 62,5° (C. 1896 [1] 642).  
3) **Aethylester d. Lignocerinsäure.** Sm. 55°; Sd. 305—310°<sub>15—24</sub> (B. 13, 1715). — I, 448.  
4) **Oktylester d. Stearinäure.** Sm. — 4,5° (J. 1858, 301). — I, 445.  
**C<sub>26</sub>H<sub>54</sub>O** C 81,7 — H 14,1 — O 4,2 — M. G. 382.  
1) **Cerylalkohol (siehe auch C<sub>27</sub>H<sub>56</sub>O).** Sm. 79° (B. 30, 1418).

### C<sub>26</sub>-Gruppe mit drei Elementen.

- C<sub>26</sub>H<sub>48</sub>O<sub>2</sub>Br<sub>2</sub>** 1) **Verbindung (aus Diphenylketon).** Sm. 125° (A. 133, 6). — III, 180.  
**C<sub>26</sub>H<sub>48</sub>O<sub>6</sub>N** C 71,4 — H 3,4 — O 22,0 — N 3,2 — M. G. 437.  
1) **Galleinanol.** Sm. über 300° (B. 27, 2794). — II, 2085.  
**C<sub>26</sub>H<sub>48</sub>ON<sub>2</sub>** C 83,9 — H 4,3 — O 4,3 — N 7,5 — M. G. 372.  
1) **Naphindon.** Sm. 295° (A. 266, 249; 272, 333; B. 31, 2487). — IV, 1084.  
2) **7-[2-Naphyl]rosindon [9] (ms-2-Naphthylisorindon).** HCl, HBr, HJ (B. 31, 2481).  
**C<sub>26</sub>H<sub>48</sub>O<sub>7</sub>N<sub>2</sub>** C 80,4 — H 4,1 — O 8,2 — N 7,2 — M. G. 388.  
1) **4-Oxynaphindon.** Zers. bei 300°. HCl (A. 262, 239; 272, 337; 286, 230). — IV, 1085.  
2) **10,10'-Biakridonyl.** Sm. 251° (A. 276, 52). — IV, 407.  
**C<sub>26</sub>H<sub>48</sub>O<sub>4</sub>N<sub>2</sub>** C 74,3 — H 3,8 — O 15,2 — N 6,7 — M. G. 420.  
1)  $\alpha\beta$ -Dinitrodiophenyläthan. Sm. 184—185° (A. 291, 4).  
2) **Phenylhydrazonderivat d. 4,4'-Di[1,2-Naphtochinon]oxyd.** Sm. 264° (B. 30, 2202). — IV, 795.  
3) **2,8-Diphenylphenanthrolin-4,10-Dicarbonsäure.** Sm. 235°. Mg + MgO, Ba, Zn + H<sub>2</sub>O, Ag, (A. 281, 16). — IV, 1093.  
**C<sub>26</sub>H<sub>48</sub>O<sub>6</sub>N<sub>6</sub>** C 65,6 — H 3,4 — O 13,4 — N 17,6 — M. G. 476.  
1) **peri-Naphylenedi-m-Nitroisobenzalsinz.** Sm. 246° (C. 1899 [1] 115).  
**C<sub>26</sub>H<sub>48</sub>O<sub>8</sub>N<sub>4</sub>** C 65,0 — H 3,3 — O 20,0 — N 11,7 — M. G. 480.  
1) **Di[2,4-Dioxyphenylazo]phenanthrenchinon (B. 26, 850).** — IV, 1481.  
**C<sub>26</sub>H<sub>48</sub>O<sub>9</sub>N<sub>2</sub>** C 64,5 — H 3,3 — O 26,4 — N 5,8 — M. G. 484.  
1) **Dibenzoat d. 3,3'-Dinitro-4,4'-Dioxybiphenyl.** Sm. 206° (B. 21, 3531). — II, 988.  
2) **Dibenzoat d.  $\rho$ -Dinitro- $\rho$ -Dioxybiphenyl.** Sm. 191° (J. r. 10, 318). — II, 990.  
**C<sub>26</sub>H<sub>48</sub>O<sub>8</sub>N<sub>4</sub>** C 60,9 — H 3,1 — O 25,0 — N 10,9 — M. G. 512.  
1) **Tetranitro[4-Nitrophenyl]äthen.** Sm. 100° (A. 296, 235).  
**C<sub>26</sub>H<sub>48</sub>O<sub>8</sub>S<sub>2</sub>** 1) **Dibensolsulfonat d. 1,2-Dioxy-9,10-Anthrachinon.** Sm. 182—184°. — III, 422.  
**C<sub>26</sub>H<sub>48</sub>O<sub>9</sub>N<sub>4</sub>** C 59,1 — H 3,0 — O 27,3 — N 10,6 — M. G. 528.  
1)  $\alpha\alpha\beta\beta$ -Tetra[4-Nitrophenyl]äthanoxyd. Sm. 294° (298—299°) (A. 296, 236).  
2)  $\beta$ -Keto- $\alpha\alpha\beta$ -Tetra[4-Nitrophenyl]äthan (Tetranitro- $\beta$ -Benzpinakolin). Sm. 120—140° (A. 296, 237, 239).  
**C<sub>26</sub>H<sub>48</sub>O<sub>11</sub>N<sub>4</sub>** C 57,3 — H 2,9 — O 29,4 — N 10,3 — M. G. 544.  
1)  $\alpha\alpha\beta\beta$ -Tetra[4-Nitrophenyl]äthandioxoyd. Sm. 183° (A. 296, 238).  
**C<sub>26</sub>H<sub>48</sub>ON<sub>3</sub>** C 80,6 — H 4,4 — O 4,1 — N 10,9 — M. G. 387.  
1) **4-Amidonaphindon.** HCl (A. 286, 230). — IV, 1215.  
**C<sub>26</sub>H<sub>48</sub>O<sub>2</sub>N** C 83,2 — H 4,5 — O 8,5 — N 3,7 — M. G. 375.  
1) **3,3-Anhydroderivat d. 1-Keto-2-Phenyl-3,3-Di-P-Oxyphenyl]-1,3-Dihydroisoindol (Phenolphthaleinhydranilid).** Sm. 242° (B. 27, 2794). — II, 1984.

- C<sub>28</sub>H<sub>17</sub>O<sub>5</sub>N**
- 2) **P-Oxy-P-Phenyl-1,4-Naphtochinonnaphtylimid.** Sm. 148° (A. 226, 41). — III, 460.
  - 3) **2-Naphtylimid d. α-β-Diphenyläthen-α-β-Dicarbonsäure (2-N. d. Diphenylmaleinsäure).** Sm. 192° (B. 26, 2479). — II, 1898.
  - 4) **Verbindung (aus 2-Methylchinolin).** Sm. 153° (B. 26, 2480). — IV, 309.
  - 5) **Verbindung (aus Phenanthrenchinon).** Sm. noch nicht bei 250° (B. 21, 2366). — III, 445.
- C<sub>28</sub>H<sub>17</sub>O<sub>5</sub>N<sub>5</sub>**
- 1) **2-Oxy-4'-[3-Nitrophenyl]azo-1,1'-Azonaphthalin.** Zers. bei 245° (Soc. 45, 115). — IV, 1439.
  - 2) **4-Oxy-4'-[3-Nitrophenyl]azo-1,1'-Azonaphthalin (Soc. 45, 116).** — IV, 1439.
- C<sub>28</sub>H<sub>17</sub>O<sub>4</sub>N**
- 1) **Fluoresceinanilid (B. 26, 2236).** — II, 2062.
- C<sub>28</sub>H<sub>17</sub>O<sub>7</sub>N<sub>3</sub>**
- 2) **2-Diphthalidylmethylchinolin.** Sm. 192° (B. 29, 189). — IV, 309.
  - 1) **P-Trinitro-4-Benzoyltriphenylmethan.** Sm. 74—75° (Bl. [3] 17, 81).
  - 2) **Benzosat d. 4-[P-Dinitrophenyl]benzoylamido-1-Oxybenzol.** Sm. 194 bis 195° (B. 17, 2437). — II, 1177.
- C<sub>28</sub>H<sub>17</sub>O<sub>5</sub>N<sub>2</sub>**
- 1) **C 62,5 — H 3,4 — O 25,6 — N 8,4 — M. G. 499.**
  - 1) **α-Oxy-P-Trinitro-4-Benzoyltriphenylmethan.** Sm. 85—88° (Bl. [3] 17, 82).
- C<sub>28</sub>H<sub>17</sub>N<sub>3</sub>Cl**
- 1) **Phenylphenanthrophenaazoniumchlorid (Flavindulin) (B. 31, 3074).**
- C<sub>28</sub>H<sub>17</sub>N<sub>3</sub>Br**
- 1) **Phenylphenanthrophenaazoniumbromid (A. 292, 267).** — IV, 1086.
- C<sub>28</sub>H<sub>18</sub>ON<sub>2</sub>**
- 1) **Phenylphenanthrophenaazoniumhydrat.** Zers. oberh. 100°. Bromid (A. 292, 266). — IV, 1086.
  - 2) **Phenylhydrazosinderivat d. 2-Phenylbenzoylbenzol-1-Carbonsäure.** Sm. 192—194° (A. 257, 98). — IV, 699.
  - 1) **Fluorophenylhydrazid.** Sm. 285—287° u. Zers. (B. 26, 1272). — IV, 719.
  - 2) **2,3-Difuranyl-4-Phenyl-1,4-Dihydro-1,4-Naphtisodiazin.** Sm. 176°. HCl (B. 25, 2845). — IV, 1080.
  - 3) **2-Phenylamido-5-Phenylakridin-5'-Carbonsäure (B. 24, 2047).** — IV, 1077.
- C<sub>28</sub>H<sub>18</sub>O<sub>5</sub>N<sub>2</sub>**
- 1) **C 76,8 — H 4,4 — O 11,8 — N 6,9 — M. G. 406.**
  - 1) **4-Phenoxyhydrat d. 2,3-Difuranyl-1,4-Naphtisodiazin.** Sm. 160° (B. 25, 2845). — IV, 1080.
- C<sub>28</sub>H<sub>18</sub>O<sub>4</sub>N<sub>4</sub>**
- 1) **C 69,3 — H 4,0 — O 14,2 — N 12,4 — M. G. 450.**
  - 1) **2,4'-Di[3-Nitrobenzylidenamido]biphenyl.** Sm. 184—185° (B. 22, 3011). — IV, 960.
  - 2) **2,4'-Di[4-Nitrobenzylidenamido]biphenyl.** Sm. 208° (B. 22, 3012). — IV, 960.
  - 3) **4,4'-Di[2-Nitrobenzylidenamido]biphenyl.** Sm. 221—222° (J. r. 23, 77). — IV, 967.
  - 4) **4,4'-Di[3-Nitrobenzylidenamido]biphenyl.** Sm. 237° (J. r. 23, 76). — IV, 968.
  - 5) **4,4'-Di[4-Nitrobenzylidenamido]biphenyl.** Sm. 242° (J. r. 23, 68). — IV, 968.
- C<sub>28</sub>H<sub>18</sub>O<sub>4</sub>S<sub>1</sub>**
- 1) **Thiosuperoxyd d. 1-Acetoynaphthalin-2-Dithiocarbonsäure (J. pr. [2] 54, 421).**
- C<sub>28</sub>H<sub>18</sub>O<sub>5</sub>N<sub>4</sub>**
- 1) **6,4'-Di[4-Nitrobenzylidenamido]-3-Oxybiphenyl.** Sm. 218° (A. 303, 346).
  - 2) **3-Methylläther d. 4,5-Diphenylazo-1,3,7-Trioxyanthon.** Sm. 251 bis 252° u. Zers. (Soc. 73, 673). — IV, 1479.
- C<sub>28</sub>H<sub>18</sub>O<sub>6</sub>N<sub>2</sub>**
- 1) **Phenylhydrazosinderivat d. Säure C<sub>28</sub>H<sub>17</sub>O<sub>6</sub>.** Sm. 175° u. Zers. (B. 21, 1615). — II, 2087.
- C<sub>28</sub>H<sub>18</sub>O<sub>6</sub>N<sub>4</sub>**
- 1) **4,4'-Di[4-Oxyphenylazo]biphenyl-3,3'-Dicarbonsäure + 2H<sub>2</sub>O (B. 31, 2578).** — IV, 1557.
- C<sub>28</sub>H<sub>18</sub>O<sub>6</sub>S**
- 1) **Dibenzosat d. 2,5-Dioxydiphenylsulfon.** Sm. 186° (B. 27, 3260).

- C<sub>25</sub>H<sub>18</sub>O<sub>5</sub>N<sub>4</sub>** C 60,7 — H 3,5 — O 24,9 — N 10,9 — M. G. 514.  
 1)  $\alpha\alpha\beta\beta$ -Tetra[4-Nitrophenyl]äthan. Sm. 300° u. Zers. (337,5—338,5° cor.) (B. 11, 930; A. 298, 223). — II, 301.
- C<sub>25</sub>H<sub>19</sub>ON** C 86,4 — H 5,3 — O 4,4 — N 3,9 — M. G. 361.  
 1) 3-Keto-1,1,2-Triphenyl-1,3-Dihydroisoindol. Sm. 189° (B. 27, 2793). — II, 1722.
- C<sub>25</sub>H<sub>19</sub>ON<sub>3</sub>** C 80,2 — H 4,9 — O 4,1 — N 10,8 — M. G. 389.  
 1) Base (aus 2-Phenylamido 1,1'-Azonaphthalin). 2Chlorid + PtCl<sub>4</sub>, Nitrat, Pikrat (B. 23, 1331). — IV, 1400.  
 2) Base (aus 2-Phenylamido-1,2'-Azonaphthalin). Nitrat, Pikrat (B. 23, 1322). — IV, 1401.  
 3) Base (aus 2-a-Naphtylamido-1-Phenylazonaphthalin). 2Chlorid + PtCl<sub>4</sub>, Nitrat (B. 23, 1330). — IV, 1398.
- C<sub>26</sub>H<sub>19</sub>O<sub>5</sub>N** C 82,8 — H 5,0 — O 8,5 — N 3,7 — M. G. 377.  
 1) Benzoat d. 4-Benzoylbenzyloxim. Sm. 193° (M. 12, 506). — III, 257.
- C<sub>26</sub>H<sub>19</sub>O<sub>5</sub>N** C 79,4 — H 4,8 — O 12,2 — N 3,6 — M. G. 393.  
 1) 1-Keto-2-Phenyl-3,3-Di[ $\beta$ -Oxyphenyl]-1,3-Dihydroisoindol (Phenolphthaleinanilid). Sm. 279° (B. 26, 3077). — II, 1984.  
 2) Benzoat d. 2-Benzoylphenylamido-1-Oxybenzol (J. pr. [2] 50, 90). — II, 1146.  
 3) Benzoat d. 4-Benzoylphenylamido-1-Oxybenzol. Sm. 175° (B. 17, 2437). — II, 1177.
- C<sub>26</sub>H<sub>19</sub>O<sub>5</sub>N<sub>3</sub>** C 74,1 — H 4,5 — O 11,4 — N 10,0 — M. G. 421.  
 1)  $\beta$ -[5-Nitro-2-Phenylamidophenyl]imido- $\alpha$ -Keto- $\alpha$ - $\beta$ -Diphenyläthan. Sm. bei 200° (B. 31, 2427).  
 2) 1-Phenoxyhydrat d. 6-Nitro-2,3-Diphenyl-1,4-Benzdiazin. Sm. 161° (B. 31, 2427).  
 3) 1-Phenoxyhydrat d. 2-[4-Nitrophenyl]-3-Phenyl-1,4-Benzdiazin. Sm. 169°. Chlorid + FeCl<sub>3</sub> (B. 31, 2426).  
 4) isom. 1-Phenoxyhydrat d. 2-[4-Nitrophenyl]-3-Phenyl-1,4-Benzdiazin + <sub>1/2</sub>H<sub>2</sub>O (B. 31, 2427).
- C<sub>26</sub>H<sub>19</sub>O<sub>5</sub>N** C 76,3 — H 4,6 — O 15,6 — N 3,4 — M. G. 409.  
 1) Dibenzoat d. 2,6-Dioxy-3-Benzylpyridin. Sm. 164° (Soc. 63, 260). — IV, 377.
- C<sub>26</sub>H<sub>19</sub>O<sub>4</sub>Cl<sub>1</sub>** 1) Diacetat d.  $\beta\beta\beta$ -Trichlor- $\alpha$ -Di[1-Oxynaphthyl]äthan. Sm. 176° (J. r. 23, 219). — II, 1007.
- C<sub>26</sub>H<sub>19</sub>O<sub>5</sub>N<sub>2</sub>Cl<sub>1</sub>** 1) 5-Chlor-2,4'-Dibenzyldienamidobiphenyl. Sm. 104° (A. 303, 319).  
 2) Chlorophenylat d. 2,3-Diphenyl-1,4-Benzdiazin. + FeCl<sub>3</sub>, 2 + PtCl<sub>4</sub> (B. 24, 1240). — IV, 1075.
- C<sub>26</sub>H<sub>20</sub>ON<sub>2</sub>** 1) Isochinolinol. 2 + PtCl<sub>4</sub> (B. 20, 9). — IV, 1093.  
 C 83,0 — H 5,3 — O 4,3 — N 7,4 — M. G. 376.  
 1)  $\beta$ -Diphenylhydrazone- $\alpha$ -Keto- $\alpha$ - $\beta$ -Diphenyläthan. Sm. 108° (B. 26, 34). — IV, 785.  
 2) Phenylhydrazone-derivat d. Diphenylphthalid. Sm. 230—231° (B. 26, 1273). — IV, 699.  
 3) Phenoxoxyhydrat d. 2,3-Diphenyl-1,4-Benzdiazin. Sm. 134—135°. Chlorid + FeCl<sub>3</sub>, 2 Chlorid + PtCl<sub>4</sub>, Nitrat (B. 24, 1240; 31, 2425; 32, 1042). — IV, 1075.
- C<sub>26</sub>H<sub>20</sub>ON<sub>4</sub>** C 77,2 — H 5,0 — O 4,0 — N 13,8 — M. G. 404.  
 1) 6-Benzoylamido-2,3-Diphenyl-2,3-Dihydro-1,2,4-Benztriazin. Sm. 221° u. Zers. (B. 30, 2597). — IV, 1286.
- C<sub>26</sub>H<sub>20</sub>O<sub>5</sub>N<sub>2</sub>** 1) 4-[2-Nitrobenzyliden]amidotriphenylmethan. Sm. 114—115° (B. 26, 3082). — III, 31.  
 2) 4-[4-Nitrobenzyliden]amidotriphenylmethan. Sm. 126—127° (B. 26, 3082). — III, 31.  
 3) 2,4'-Di[2-Oxybenzylidenamido]biphenyl. Sm. 145° (B. 22, 3012). — IV, 960.  
 4) 4,4'-Di[2-Oxybenzylidenamido]biphenyl. Sm. 260° (A. 258, 375). — IV, 968.  
 5) 4,4'-Di[Benzoylamido]biphenyl. subl. (B. 17, 379). — IV, 966.  
 6) Phtalyl-1-Methylinadol. Sm. 300° (A. 242, 382). — IV, 219.

- C<sub>26</sub>H<sub>20</sub>O<sub>2</sub>N<sub>4</sub>** C 74,3 — H 4,8 — O 7,6 — N 13,3 — M. G. 420.  
 1) 3,3'-Di[Benzoylamido]azobenzol. Sm. 284—285° (Soc. 69, 12). — IV, 1361.  
 2) 1,2-Diacetyl-3,6-Di[2-Naphthyl]-1,2-Dihydro-1,2,4,5-Tetrazin. Sm. 210° (B. 30, 1885; A. 298, 44). — IV, 1304.  
 3) 5,7-Anhydrid d. 5,10-Di[Acetylamido]-αβ-Naphtophenasin-7-Phenoxyhydrat (B. 31, 3082).  
 4) Dinitrosoderivat d. Base C<sub>26</sub>H<sub>22</sub>N<sub>2</sub>. Sm. 208° (B. 25, 3290; 26, 1704). — IV, 1091.  
 5) Diphenylester d. Biphenyl-4,4'-Diamidoameisensäure. Sm. 240° (Soc. 49, 256). — IV, 964.
- C<sub>26</sub>H<sub>20</sub>O<sub>3</sub>N<sub>2</sub>** C 76,5 — H 4,9 — O 11,8 — N 6,8 — M. G. 408.  
 1) 6,4'-Di[2-Oxybenzylidenamido]-3-Oxybiphenyl. Sm. 206—207° (A. 303, 345).
- C<sub>26</sub>H<sub>20</sub>O<sub>4</sub>N<sub>4</sub>** C 71,6 — H 4,6 — O 11,0 — N 12,8 — M. G. 436.  
 1) 2,2'-Di[Benzoylamido]azoxybenzol. Sm. 195° (Am. 6, 26). — IV, 1337.  
 2) 3,3'-Di[Benzoylamido]azoxybenzol. Sm. bei 272° (Am. 5, 5). — IV, 1337.  
 3) 4,4'-Di[Benzoylamido]azoxybenzol. Sm. 310° (Am. 5, 284). — IV, 1338.
- C<sub>26</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>** C 73,6 — H 4,7 — O 15,1 — N 6,6 — M. G. 424.  
 1) 1-Naphylamid-1-Naphtylimid d. Citronensäure. Sm. 194° (B. 19, 2617). — II, 612.
- C<sub>26</sub>H<sub>20</sub>O<sub>4</sub>N<sub>6</sub>** 2-Naphylamid-2-Naphtylimid d. Citronensäure. Sm. 233° (235 bis 236°) (B. 19, 2615; C. 1896 [1] 997). — II, 621.  
 C 65,0 — H 4,2 — O 13,2 — N 17,5 — M. G. 480.  
 1) Di-3-Nitrobenzaldiphenylhydrotetrazon. Sm. 148° (G. 27 [2] 222). — IV, 752.  
 2) Dehydro-3-Nitrobenzalphenylhydrazon. Sm. 190—194° (G. 27 [2] 224). — IV, 752.  
 3) isom. Dehydro-3-Nitrobenzalphenylhydrazon. Sm. 244—245° u. Zers. (G. 27 [2] 225). — IV, 752.
- C<sub>26</sub>H<sub>20</sub>O<sub>6</sub>N<sub>6</sub>** C 60,9 — H 3,9 — O 18,7 — N 16,4 — M. G. 512.  
 1) 4,4'-Di[2-Nitrobenzyl]nitrosamido)biphenyl. Sm. 204° (B. 29, 1452). — IV, 963.
- C<sub>26</sub>H<sub>20</sub>O<sub>6</sub>Br<sub>4</sub>** 1) Aethylester d. 9-Tetrabrom-4',4'-Diacetoxytriphenylmethan-2'-Carbonsäure. Sm. 231° (B. 30, 176).
- C<sub>26</sub>H<sub>20</sub>O<sub>4</sub>N<sub>2</sub>** C 66,1 — H 4,2 — O 23,7 — N 5,9 — M. G. 472.  
 1) Resorcin (M. 11, 241). — II, 966.
- C<sub>26</sub>H<sub>20</sub>O<sub>1</sub>Br<sub>4</sub>** 1) Pentaacetat d. Tetrabromhämatoxilin. Zers. oberh. 180° (B. 17, 374). — III, 665.
- C<sub>26</sub>H<sub>20</sub>O<sub>1</sub>S<sub>4</sub>** 1) Tetraphenyläthentetrasulfonsäure. Ba<sub>2</sub> (B. 5, 278). — II, 302.
- C<sub>26</sub>H<sub>20</sub>N<sub>3</sub>Cl** 1) 1-Chlorphenylat d. 6-Amido-2,3-Diphenyl-1,4-Benzodiazin. + FeCl<sub>3</sub> + 2<sup>1</sup>/<sub>2</sub>H<sub>2</sub>O (B. 25, 1633; 31, 2425). — IV, 1124.
- C<sub>26</sub>H<sub>20</sub>N<sub>4</sub>Cl<sub>2</sub>** 1) αβ-Di[Phenylhydrason]-αβ-Di[3-Chlorphenyl]äthan. Sm. 127—128°. — IV, 785.
- C<sub>26</sub>H<sub>20</sub>N<sub>8</sub>S** 1) 2,5-Diphenylimido-3,4-Diphenyltetrahydro-1,3,4-Thiodiazol. Sm. 131° (B. 23, 358). — IV, 1236.
- C<sub>26</sub>H<sub>20</sub>S<sub>2</sub>P<sub>2</sub>** 1) Verbindung (aus Benzophenon). Sm. 226—227° (Soc. 49, 480). — II, 1105.
- C<sub>26</sub>H<sub>21</sub>ON** C 86,0 — H 5,8 — O 4,4 — N 3,8 — M. G. 363.  
 1) 4-[2-Oxybenzyliden]amidotriphenylmethan. Sm. 138° (B. 26, 3082). — III, 73.
- C<sub>26</sub>H<sub>21</sub>ON<sub>3</sub>** C 79,8 — H 5,4 — O 4,1 — N 10,7 — M. G. 391.  
 1) 1-Phenoxyhydrat d. 6-Amido-2,3-Diphenyl-1,4-Benzodiazin. Chlorid + FeCl<sub>3</sub> + 2<sup>1</sup>/<sub>2</sub>H<sub>2</sub>O (B. 25, 1633). — IV, 1124.
- C<sub>26</sub>H<sub>21</sub>O<sub>2</sub>N<sub>3</sub>** C 76,7 — H 5,2 — O 7,8 — N 10,3 — M. G. 407.  
 1) 1,3-Diacetyl-2,5-Di[2-Naphthyl]-2,3-Dihydro-1,3,4-Triazol. Sm. 138° (B. 30, 1886; A. 298, 47). — IV, 1216.
- C<sub>26</sub>H<sub>21</sub>O<sub>4</sub>N<sub>3</sub>** C 71,1 — H 4,8 — O 14,6 — N 9,5 — M. G. 439.  
 1) 1,4-Dibenzoyl-3-[2,4-Dimethylphenylamido]-2,5-Diketo-1,2,4,5-Tetrahydro-1,4-Diazin (Hippuroflavin-m-Xyli). Sm. 223—225° (A. 287, 90).

- $C_{26}H_{21}O_1N_3$  2) o-Diphtalyldiäthylenphenyltriamin. Sm. 210—211° (B. 22, 2224). — II, 1800.
- $C_{26}H_{21}N_4Cl$  1) 1-[4-Amidochlorphenyl] d. **6-Amido-2,3-Diphenyl-1,4-Benzodiazin** +  $2H_2O$  (B. 25, 1635). — IV, 1124.
- $C_{26}H_{22}ON_2$  C 82,5 — H 5,8 — O 4,2 — N 7,4 — M. G. 378.
- 1)  $\alpha$ -[4-Methylphenyl]nitrosamidotriphenylmethan. Sm. 145—148° u. Zers. (B. 17, 706). — II, 642.
  - 2)  $\beta$ -Phenylhydrazeno- $\alpha$ -Oxy- $\alpha$ -Triphenyläthan. Sm. 144° (C. 1897 [2] 661).
  - 3) **Methyläther** d.  $\alpha$ -Diphenylhydrazeno-4-Oxydiphenylmethan. Sm. 151—152° (B. 26, 30). — IV, 776.
  - 4) **Methyläther** d. isom.  $\alpha$ -Diphenylhydrazeno-4-Oxydiphenylmethan. Sm. 115° (B. 26, 30). — IV, 776.
- $C_{26}H_{22}ON_4$  C 76,8 — H 5,4 — O 3,9 — N 13,8 — M. G. 406.
- 1)  $\beta$ -Benzoyl- $\beta$ -Phenylamidophenylimidomethyl- $\alpha$ -Phenylhydrazin. Sm. 110—111° (J. pr. [2] 58, 463).
  - 2) 1-[4-Amidophenyl]oxyhydrat d. **6-Amido-2,3-Diphenyl-1,4-Benzodiazin**. Chlorid +  $2H_2O$  (B. 25, 1634). — IV, 1124.
- $C_{26}H_{22}ON_6$  C 71,9 — H 5,1 — O 3,7 — N 19,3 — M. G. 434.
- 1) **4,4'-Di[Phenylhydrazenomethyl]azoxybenzol**. Sm. 230° u. Zers. (B. 30, 1598). — IV, 1345.
  - 2) **7,7-Di[Acetylphenylamido]naphthalin**. Sm. 197,5° (B. 23, 528). — IV, 925.
  - 3) **3,6-Diketo-2,5-Dimethyl-1,4-Di[1-Naphthyl]hexahydro-1,4-Diazin**. Sm. 220—224° (B. 26, 2922). — II, 614.
  - 3) **3,6-Diketo-2,5-Dimethyl-1,4-Di[2-Naphthyl]hexahydro-1,4-Diazin**. Sm. 269° (B. 26, 2313, 2923). — II, 621.
  - 4) **Acetat d. 6-Oxy-5-Phenyl-2,4-Dibenzyl-1,3-Diazin**. Sm. 84—85° (J. pr. [2] 39, 258). — IV, 1089.
  - 5) **Bisnitrosylbenzhydryl**. Sm. 118—120° (A. 278, 367).
  - 6) **Aestylester d.  $\gamma$ -[9-Phenylhydrazeno-9,10-Dihydro-10-Phenanthrylen]propen- $\gamma$ -Carbonsäure**. Zers. bei 195° (Soc. 59, 8). — II, 1721.
- $C_{26}H_{22}O_4N_4$  C 73,9 — H 5,2 — O 7,6 — N 13,3 — M. G. 422.
- 1)  $\alpha\beta$ -Di[Phenylhydrazeno]- $\alpha\beta$ -Di[2-Oxyphenyl]äthan. Sm. 227—228° (A. 305, 179).
  - 2) isom.  $\alpha\beta$ -Di[Phenylhydrazeno]- $\alpha\beta$ -Di[2-Oxyphenyl]äthan. Sm. 281 bis 282° (A. 305, 180; B. 27, 2290). — IV, 759.
  - 3)  $\alpha\beta$ -Di[Phenylamidoformyl]-s-Diphenylhydrazin. Sm. 218—220° (B. 23, 490). — IV, 1496.
  - 4) **Phenylamid d. Biphenylen-4,4'-Diamidoameisensäure (s-Diphenyl-4,4'-Biphenylenldiharnstoff)**. Sm. oberh. 300° (B. 18, 1478; C. 1896 [1] 489). — IV, 964.
- $C_{26}H_{22}O_4S$  1) **Di[4-Benzylphenyl]sulfon**. Sm. 162° (Bl. [3] 11, 501). — II, 897.
- $C_{26}H_{22}O_5N_2$  C 76,1 — H 5,4 — O 11,7 — N 6,8 — M. G. 410.
- 1) **Aestylester d. Phenylhydrazenoisophenanthroxyleneacetessigsäure**. Sm. 210—212° u. Zers. (Soc. 59, 7). — IV, 712.
- $C_{26}H_{22}O_6N_2$  C 73,2 — H 5,2 — O 15,0 — N 6,6 — M. G. 426.
- 1) **Lignonblau** (B. 30, 239).
  - 2) **Di[1-Naphtylester] d. Hexahydro-1,4-Diazin-1,4-Dicarbonsäure ( $\alpha$ -Naphtolpiperazindiuethan)**. Sm. 190—191° (Bl. [3] 19, 187).
  - 3) **Di[2-Naphtylester] d. Hexahydro-1,4-Diazin-1,4-Dicarbonsäure**. Sm. 220° (Bl. [3] 19, 187).
  - 4) **1,1-Dinaphtylamid d. Acetyläpfelsäure** (B. 23, 2046; 24, 2005). — II, 612.
  - 5) polym. **1-Naphtylamid d. Acetylaceisensäure**. Sm. 202—203° (A. 279, 98).
- $C_{26}H_{22}O_6N_4$  C 68,7 — H 4,8 — O 14,1 — N 12,3 — M. G. 454.
- 1) **4,4'-Di[2-Nitrobenzylamido]biphenyl**. Sm. 226—227° u. Zers.  $2H_2SO_4$  (B. 29, 1451). — IV, 963.
  - 2) **4,4'-Di[2,5-Dioxyphenylazo]-3,3'-Dimethylbiphenyl** (B. 26, 1911). — IV, 1447.

- C<sub>26</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** C 70,5 — H 5,0 — O 18,1 — N 6,3 — M. G. 442.  
 1) 1,1-Dinaphthylamid d. Citronensäure. Sm. 149°. Ag (B. 19, 2617; C. 1896 [1] 109). — II, 612.  
 2) 2,2-Dinaphthylamid d. Citronensäure. Sm. 172° (B. 19, 2615). — II, 620.  
 3) Verbindung (aus d. Jodmethylat d. Methylhydrasteinphenylhydrazen). Sm. 162—164° (A. 271, 398). — IV, 800.
- C<sub>26</sub>H<sub>22</sub>O<sub>4</sub>N<sub>4</sub>** C 64,2 — H 4,5 — O 19,7 — N 11,5 — M. G. 486.  
 1) Diethyllester d. 1,4-Dioxobenzol-2,3,5,6-Tetracarbonsäureanhydro-diphenylhydrazid (Am. 11, 8). — IV, 733.
- C<sub>26</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** C 65,8 — H 4,6 — O 23,6 — N 5,9 — M. G. 474.  
 1) Phenylamid d. Anhydroberberinsäure. Sm. 199° (Soc. 57, 1046). — III, 802.
- C<sub>26</sub>H<sub>22</sub>O<sub>3</sub>S<sub>3</sub>** 1) Di[4-Methylphenylester] d. Diphenylsulfon-P-Disulfonsäure. Sm. 171—172° (J. pr. [2] 47, 373). — II, 840.
- C<sub>26</sub>H<sub>22</sub>O<sub>3</sub>S<sub>4</sub>** 1)  $\alpha\alpha\beta\beta$ -Tetraphenyläthan-P-Tetrasulfonsäure. Bu<sub>2</sub> (B. 11, 929). — II, 301.
- C<sub>26</sub>H<sub>22</sub>N<sub>2</sub>S** 1) Di[4-Benzylidenhydrasidophenyl]sulfid. Sm. 185° (A. 270, 152). — IV, 816.
- C<sub>26</sub>H<sub>22</sub>ON<sub>3</sub>** C 79,4 — H 5,8 — O 4,1 — N 10,7 — M. G. 393.  
 1) P-Triamido-4-Benzoyltriphenylmethan. Zers. bei 115° (Bl. [3] 17, 84). C 81,9 — H 6,0 — O 8,4 — N 3,7 — M. G. 381.
- C<sub>26</sub>H<sub>22</sub>O<sub>2</sub>N** 1) Aethylester d. 2,5-Diphenyl-1-[2-Methylphenyl]pyrrol-3-Carbon-säure. Sm. 134—135° (B. 22, 3088). — IV, 449.  
 2) Aethylester d. 2,5-Diphenyl-1-[4-Methylphenyl]pyrrol-3-Carbon-säure. Sm. 145° (B. 22, 3089). — IV, 449.
- C<sub>26</sub>H<sub>22</sub>O<sub>2</sub>N<sub>3</sub>** C 76,3 — H 5,6 — O 7,8 — N 10,3 — M. G. 409.  
 1) Aethylester d. 1-Benzolazo-2-Methyl-5-Phenylpyrrol-3-Carbon-säure. Sm. 123° (B. 19, 3162). — IV, 1487.
- C<sub>26</sub>H<sub>22</sub>O<sub>2</sub>Cl<sub>3</sub>** 1) Diäthyläther d.  $\beta\beta\beta$ -Trichlor- $\alpha\alpha$ -Di[1-Naphthyl]äthan. Sm. 198 bis 200° (J. pr. [2] 47, 69). — II, 1007.  
 2) Diäthyläther d.  $\beta\beta\beta$ -Trichlor- $\alpha\alpha$ -Di[2-Oxynaphthyl]äthan. Sm. 206° u. Zers. (J. pr. [2] 47, 75). — II, 1007.
- C<sub>26</sub>H<sub>22</sub>O<sub>2</sub>N<sub>3</sub>** C 73,3 — H 5,4 — O 11,3 — N 9,9 — M. G. 425.  
 1) Verbindung (aus 4-Amido-1-Methylbenzol). Sm. 196° (B. 25, 2233). — II, 501.
- C<sub>26</sub>H<sub>22</sub>O<sub>2</sub>N<sub>3</sub>** C 66,0 — H 4,8 — O 20,3 — N 8,9 — M. G. 473.  
 1) Pentaacetoxyamidoamidiindyl. Sm. 176°; Zers. bei 180° (B. 31, 1253).
- C<sub>26</sub>H<sub>22</sub>O<sub>2</sub>Br** 1) Pentacetat d. Bromhämatoxylin. Sm. 210° (B. 17, 685). — III, 665. C 62,1 — H 6,3 — O 4,2 — N 7,4 — M. G. 380.
- C<sub>26</sub>H<sub>24</sub>ON<sub>2</sub>** 1) P-Acetyl-1-Benzylamido-2-[4-Methylphenyl]amidonaphthalin. Sm. 162° (B. 27, 2779). — IV, 918.
- C<sub>26</sub>H<sub>24</sub>O<sub>2</sub>N<sub>1</sub>** C 78,8 — H 6,0 — O 8,1 — N 7,1 — M. G. 396.  
 1)  $\alpha\beta$ -Di[Acetyl-1-Naphthylamido]äthan. Sm. 239—241° (B. 25, 3263). — II, 605.  
 2)  $\alpha\beta$ -Di[Acetyl-2-Naphthylamido]äthan. Sm. 175—176° (B. 25, 3268). — II, 615.  
 3) Diäthyläther d. Di[4-Oxy-1-Naphthyliden]hydrazin. Sm. 204° (Bl. [3] 17, 812).  
 4) 1,10-Dibenzoyloktahydro- $\alpha$ -Chinochinolin. Sm. 160° (B. 28, 129). — IV, 889.
- C<sub>26</sub>H<sub>24</sub>O<sub>2</sub>N<sub>6</sub>** C 69,0 — H 5,3 — O 7,1 — N 18,8 — M. G. 452.  
 1) Anhydro-1,4-Di[2,5-Diacetyldiamidophenyl]-1,4-Azophenylen. Sm. oberh. 300° (B. 27, 485). — IV, 596.  
 2) Di[Phenylhydrazid] d. Biphenyl-4,4'-Diamidoameisensäure (Diphenylenediphenylsemicarbazid) (C. 1898 [1] 945). C 75,7 — H 5,8 — O 11,6 — N 6,8 — M. G. 412.
- C<sub>26</sub>H<sub>24</sub>O<sub>2</sub>N<sub>7</sub>** 1) 2-Chinolyäther d. Morphin. Sm. 158°. (2 HCl, PtCl<sub>6</sub>, H<sub>2</sub>SO<sub>4</sub> + 3H<sub>2</sub>O, H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>, Tartrat, Pikrat (M. 19, 107).  
 2) Monacetat d. Bis-2-Nitroso-1,4-Dimethylnaphthalin. Sm. 182° (G. 26 [1] 34).  
 3) Aethylester d. 1-Naphthylamidosacetyl-1-Naphthylamidoessigsäure. Sm. 180° (B. 25, 2202). — II, 613.

- $C_{26}H_{24}O_5N_1$  4) 1-Naphthylmonamid d. 1-Naphthylamidobernsteinsäuremonoäthylester. Sm. 223° u. Zers. (B. 25, 908). — II, 614.  
5) 2-Naphthylmonamid d. 2-Naphthylamidobernsteinsäuremonoäthylester. Sm. 215° u. Zers. (B. 25, 971). — II, 622.
- $C_{26}H_{24}O_4N_2$  1)  $\alpha\beta$ -Di[2-Methyl-5-Phenyl-1-Pyrasolyl]äthan- $\alpha^3,\beta^3$ -Dicarbonsäure. Sm. 181° (B. 19, 3158). — IV, 357.
- $C_{26}H_{24}O_5N_2$  1) Verbindung (aus Aethylacetessigester u. Anthranilsäure). Sm. 286° (B. 27, 1401). — II, 1252.
- $C_{26}H_{24}O_6N_2$  1) Diäthyläther d. 1,2-Phtalylbenshydroxamsäure. Sm. 54° (A. 281, 266). — II, 1815.  
2) Diäthylester d. Phtalyldi-3-Amidobenzol-1-Carbonsäure. Sm. 191° (A. 303, 278).  
3) Diäthylester d. Phtalyldi-4-Amidobenzol-1-Carbonsäure. Sm. 188° (A. 303, 279).
- $C_{26}H_{24}N_2S$  1) Di[ $\alpha$ -Phenyl-4-Amidobenzyl]sulfid. 2HCl (B. 30, 1139).
- $C_{26}H_{24}N_2Hg$  1) Quecksilberdi[4-Methylphenylamidophenyl]. Sm. 138–139° (G. 28, [2] 134). — IV, 1707.
- $C_{26}H_{24}N_6S$  2) Quecksilberdi[4-Benzylamidophenyl] (G. 27 [1] 15). — IV, 1708.  
1) Sulfid d.  $\alpha$ -[4-Merkaptophenyl]amido- $\beta$ -Phenylthioharnstoff. Sm. 180–182° u. Zers. (A. 270, 154). — IV, 816.
- $C_{26}H_{24}N_6S_2$  1) 4,4'-Biphenyleni[Phenylsemicarbazid] (B. 27, 1560). — IV, 965.
- $C_{26}H_{24}ON_5$  1) Phenylrosanilin (N. Handw. d. Ch. 1, 626). — II, 1092.
- $C_{26}H_{25}ON_5$  1) 4-[2,4-Dimethylphenyl]azo-6-[1-Naphyl]azo-3-Dimethylamido-1-Oxybenzol. Sm. 141° (B. 31, 2782). — IV, 1418.  
2) 4-[2,4-Dimethylphenyl]azo-6-[2-Naphyl]azo-3-Dimethylamido-1-Oxybenzol. Sm. 171–172° (B. 31, 2783). — IV, 1418.  
3) 4-[1-Naphyl]azo-6-[2,4-Dimethylphenyl]azo-3-Dimethylamido-1-Oxybenzol. Sm. 147–148° (B. 31, 2782). — IV, 1418.  
4) 4-[2-Naphyl]azo-6-[2,4-Dimethylphenyl]azo-3-Dimethylamido-1-Oxybenzol. Sm. 175° (B. 31, 2783). — IV, 1418.
- $C_{26}H_{24}O_5N$  1)  $\alpha$ -Monoxin d.  $\gamma\gamma$ -Diacetyl- $\alpha$ -Benzoyl- $\beta$ -Diphenylpropan. Sm. 205 bis 206° (A. 281, 89). — III, 322.
- $C_{26}H_{24}O_5N_3$  1) Diäthyläther d. 1-Acetylamido-4-Oxy-2-[4-Oxy-1-Naphyl]azonaphthalin. Sm. 224,5° (B. 25, 3066). — IV, 1427.
- $C_{26}H_{25}O_4N_3$  1) Phenylhydrazon d. Papaveraldin. Sm. 80–81° (M. 6, 962). — IV, 443.
- $C_{26}H_{25}O_5N$  1) Acetylbenzoylmorphin. HCl, (2HCl, PtCl<sub>4</sub>) (Soe. 28, 25). — III, 900.
- $C_{26}H_{24}O_{13}Br_2$  1) Pentaacacet d. Pentabromokolatannin (C. 1898 [1] 579).
- $C_{26}H_{26}O_2N_2$  1) Benzoylcinchonin. Sm. 105–106° (75%). HCl + 2½H<sub>2</sub>O, 2HCl, (2HCl, PtCl<sub>4</sub>), HBr, H<sub>2</sub>SO<sub>4</sub> + 1½H<sub>2</sub>O (A. 108, 351; M. 16, 163; Bl. [3] 9, 714). — III, 834.
- $C_{26}H_{26}O_2N_4$  1) Cyanamin. HCl (B. 23, 2249). — III, 676.
- $C_{26}H_{26}O_3N_4$  1) Phenylmonohydrazon d. 4,4'-Di[ $\beta$ -Ketobutyrylamido]biphenyl (M. 18, 699).
- $C_{26}H_{26}O_4N_6$  1) 1,4-Di[2,5-Diacetyl-diamidophenyl]-1,4-Azophenyl + 2H<sub>2</sub>O. Sm. 294° (B. 27, 483). — IV, 595.
- $C_{26}H_{26}O_5N_2$  1) Benzoylechitenin. Sm. 85° (2HCl, PtCl<sub>4</sub>) (M. 14, 598). — III, 820.
- $C_{26}H_{26}O_5N_6$  1) Tetramethyldialloxanyl-2-Amidodi[4-Methylphenyl]amin. Sm. bei 260° u. Zers. (B. 26, 544). — IV, 616.

- C<sub>26</sub>H<sub>26</sub>O<sub>15</sub>N<sub>4</sub>** C 56,3 — H 4,7 — O 28,9 — N 10,1 — M. G. 554.  
 1) 4,4'-Di[Acetessigsäureethylesterazo]biphenyl-3,3'-Dicarbonsäure + H<sub>2</sub>O. Sm. 275—278° (B. 31, 2579). — IV, 1557.
- C<sub>26</sub>H<sub>26</sub>O<sub>13</sub>Br<sub>4</sub>** 1) Pentaacetat d. Tetrabromkolatannin (C. 1898 [1] 579).
- C<sub>26</sub>H<sub>26</sub>N<sub>2</sub>S<sub>2</sub>** 1) 4,4'-Biphenyldi[phenylthiosemicarbazid] (B. 27, 1560).
- C<sub>26</sub>H<sub>27</sub>O<sub>2</sub>N** C 67,1 — H 5,8 — O 24,1 — N 3,0 — M. G. 465.
- C<sub>26</sub>H<sub>27</sub>O<sub>13</sub>Br<sub>3</sub>** 1) Di[2-Oxy- $\alpha$ -Oxybenzyl]dihydrocotarnin. 2HCl, PtCl<sub>4</sub> (B. 31, 2100).
- C<sub>26</sub>H<sub>26</sub>ON<sub>4</sub>** 1) Pentacacetat d. Tribromkolatannin (C. 1898 [1] 579).
- C<sub>26</sub>H<sub>26</sub>O<sub>13</sub>Br<sub>2</sub>** C 81,2 — H 7,3 — O 4,2 — N 7,3 — M. G. 384.
- C<sub>26</sub>H<sub>26</sub>O<sub>2</sub>N<sub>2</sub>** 1) Benzylcinchonin. Sm. 117°. HCl, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O) (B. 13, 2295). — III, 834.
- C<sub>26</sub>H<sub>26</sub>ON<sub>6</sub>** 2) Benzylcinchonidin. Fl. (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O) (A. 269, 252). — III, 852. C 70,9 — H 6,4 — O 3,6 — N 10,1 — M. G. 440.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N<sub>2</sub>** 1) Acetylterivat d. Verb. C<sub>24</sub>H<sub>26</sub>N<sub>6</sub>. Sm. 220° (B. 21, 2497). — IV, 766.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N<sub>2</sub>** C 78,0 — H 7,0 — O 8,0 — N 7,0 — M. G. 400.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N<sub>2</sub>** 1) Bis- $\alpha$ -Keto- $\gamma$ -Methyljulolidyl. Sm. 237,5° (B. 25, 113). — IV, 194.
- C<sub>26</sub>H<sub>26</sub>O<sub>4</sub>N<sub>2</sub>** 2) Di[2,3,5-Trimethylphenylamid] d. Benzol-1,2-Dicarbonsäure. Sm. 227° (B. 30, 1443).
- C<sub>26</sub>H<sub>26</sub>O<sub>4</sub>N<sub>2</sub>** 3) Di[Aethyltolylamid] d. Benzol-1,2-Dicarbonsäure (Aethyltoluidinphthalim) (A. 227, 188). — II, 1808.
- C<sub>26</sub>H<sub>26</sub>O<sub>4</sub>N<sub>6</sub>** C 68,4 — H 6,1 — O 7,0 — N 18,4 — M. G. 456.
- C<sub>26</sub>H<sub>26</sub>O<sub>4</sub>N<sub>7</sub>** 1) Verbindung (aus Chinolin u. Nitrosodimethylanilinhydrocyanid) (M. 6. 543). — IV, 250.
- C<sub>26</sub>H<sub>26</sub>O<sub>4</sub>N<sub>7</sub>** C 72,2 — H 6,5 — O 14,8 — N 6,5 — M. G. 432.
- C<sub>26</sub>H<sub>26</sub>O<sub>4</sub>N<sub>6</sub>** 1) Di-Diphenylmethylaminoxyd. Sm. 118—120° (A. 278, 367). — II, 636.
- C<sub>26</sub>H<sub>26</sub>O<sub>4</sub>N<sub>6</sub>** C 63,9 — H 5,7 — O 13,1 — N 17,2 — M. G. 488.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N<sub>2</sub>** 1) 1,4-Di[2,5-Di(Acetylamido)phenylamido]benzol. 2HCl (B. 27, 484). — IV, 596.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N<sub>2</sub>** C 69,6 — H 6,2 — O 17,9 — N 6,2 — M. G. 448.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N** 1) Helicinanilidtoluid (A. 154, 33). — III, 69.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N** C 80,6 — H 7,5 — O 8,3 — N 3,6 — M. G. 387.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N<sub>3</sub>** 1) Oxim d. bim. Methylenphenylclohexenon. Sm. 207° (B. 32, 426). C 75,2 — H 7,0 — O 7,7 — N 10,1 — M. G. 415.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N<sub>3</sub>** 1) 4',4"-Di [Acetylamido]-4"-Dimethylamido-2'-Methyltriphenylmethan. Sm. bei 130° (B. 24, 555). — IV, 1198.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N<sub>3</sub>** 2) 2-Dimethylamido-1,4-Di $\beta$ -Dimethylamidobenzoylbenzol? Sm. 122° (B. 9, 717, 1898). — III, 305.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N<sub>3</sub>** 3) Phenylidi[2,4,5-Trimethylphenyl]biuret. Sm. 123°. — II, 552.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N<sub>3</sub>** C 72,4 — H 6,7 — O 11,1 — N 9,7 — M. G. 431.
- C<sub>26</sub>H<sub>26</sub>O<sub>5</sub>N<sub>3</sub>** 4) 4',4",4"-Tri[Acetylamido]- $\beta$ -Methyltriphenylmethan. Sm. 168° (B. 16, 1303). — IV, 1198.
- C<sub>26</sub>H<sub>26</sub>O<sub>4</sub>N** C 74,4 — H 6,9 — O 15,3 — N 3,3 — M. G. 410.
- C<sub>26</sub>H<sub>26</sub>O<sub>4</sub>N** 1) Diäthylester d. 2,6-Dimethyl-4-Phenyl-1-[4-Methylphenyl]-1,4-Dihydropyridin-3,5-Dicarbonsäure. Sm. 133° (M. 17, 353). — IV, 371.
- C<sub>26</sub>H<sub>26</sub>N<sub>2</sub>S<sub>2</sub>** 1) Dipropyltriphenylthioibiuret. Sm. 153,7° (B. 21, 109). — II, 400.
- C<sub>26</sub>H<sub>26</sub>N<sub>2</sub>S<sub>2</sub>** C 77,6 — H 7,4 — O 8,0 — N 7,0 — M. G. 402.
- C<sub>26</sub>H<sub>26</sub>N<sub>2</sub>S<sub>2</sub>** 1) 2,5-Dimethylhexahydro-1,4-Diazin + 2Molec.  $\alpha$ -Naphtol. Sm. 147° (Bl. [3] 19, 620).
- C<sub>26</sub>H<sub>26</sub>N<sub>2</sub>S<sub>2</sub>** 2) 2,5-Dimethylhexahydro-1,4-Diazin + 2Molec.  $\beta$ -Naphtol. Sm. 93° (Bl. [3] 19, 621).
- C<sub>26</sub>H<sub>26</sub>N<sub>2</sub>S<sub>2</sub>** 3) Cinchoninbenzyloxyhydrat. Salze siehe (B. 13, 2294; A. 269, 262). — III, 834.
- C<sub>26</sub>H<sub>26</sub>O<sub>7</sub>N<sub>4</sub>** 4) Verbindung (aus Chinin u. Benzol) (J. 1874, 867). — III, 812. C 72,6 — H 7,0 — O 7,4 — N 13,0 — M. G. 430.
- C<sub>26</sub>H<sub>26</sub>O<sub>7</sub>N<sub>2</sub>** 1) Diacetylterivat d. Base C<sub>24</sub>H<sub>26</sub>N<sub>4</sub> (G. 23 [1] 337). — IV, 796.
- C<sub>26</sub>H<sub>26</sub>O<sub>7</sub>N<sub>2</sub>** C 74,6 — H 7,2 — O 11,5 — N 6,7 — M. G. 418.
- C<sub>26</sub>H<sub>26</sub>O<sub>7</sub>N<sub>2</sub>** 1) Verbindung (aus Chinin u. Phenol). 2HCl + 2H<sub>2</sub>O (J. 1875, 769; A. 180, 250; Bl. 24, 535). — III, 812.
- C<sub>26</sub>H<sub>26</sub>O<sub>7</sub>N<sub>2</sub>** C 71,9 — H 6,9 — O 14,7 — N 6,4 — M. G. 434.
- C<sub>26</sub>H<sub>26</sub>O<sub>7</sub>N<sub>2</sub>** 1) Brenzkatechinchinin. H<sub>2</sub>SO<sub>4</sub> + H<sub>2</sub>O (Sm. 167° wasserfrei) (Bl. [3] 9, 147). — III, 813.
- C<sub>26</sub>H<sub>26</sub>O<sub>7</sub>N<sub>2</sub>** 2) dimolec. 4-Methylphenylimid d. Butan- $\alpha$ -Y-Dicarbonsäure. Sm. 170° (A. 292, 212).

- C<sub>26</sub>H<sub>30</sub>O<sub>4</sub>N<sub>6</sub>** C 60,2 — H 5,8 — O 12,4 — N 21,6 — M. G. 518.  
1) Dibenzoacetophenontetraureid. Zers. 176—180° (G. 23 [1] 409). — III, 127.
- C<sub>26</sub>H<sub>30</sub>O<sub>6</sub>N<sub>4</sub>** C 63,1 — H 6,1 — O 19,4 — N 11,3 — M. G. 494.  
1) Triäthylester d. 4,5-Di[Phenylhydrazon]-R-Pentamethylen-1,2,3-Tricarbonsäure. Sm. 163—164° (A. 297, 109). — IV, 731.
- C<sub>26</sub>H<sub>20</sub>O<sub>6</sub>N<sub>4</sub>** C 59,3 — H 5,7 — O 24,3 — N 10,6 — M. G. 526.  
1) Phenylhydrazinverbindung d. Dioxyalbersteinsäurelaktontriäthylester. Sm. 138° (A. 285, 26). — IV, 733.
- C<sub>26</sub>H<sub>20</sub>O<sub>10</sub>S** 1) Verbindung (aus Holzsulfatlauge) (A. 267, 361).  
2) Verbindung (aus Holzsulfatlauge) (A. 267, 358).
- C<sub>26</sub>H<sub>20</sub>O<sub>12</sub>S** 1) Diiodäthylat d. 2,4,2',4'-Tetramethyl-6,6'-Bichinolyl. Sm. 158° u. Zers. (B. 20, 2508). — IV, 1077.
- C<sub>26</sub>H<sub>21</sub>ON<sub>2</sub>** C 77,8 — H 7,7 — O 4,0 — N 10,5 — M. G. 401.  
1) 4'-Methylacetylamido-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan. Sm. 142—143° (128° aus Alkohol) (B. 16, 2906). — IV, 1196.
- C<sub>26</sub>H<sub>21</sub>O<sub>2</sub>N<sub>3</sub>** C 74,8 — H 7,4 — O 7,7 — N 10,1 — M. G. 417.  
1) 4'-Nitro-4<sup>1</sup>-Dimethylamido-4<sup>2</sup>-Diäthylamido-2<sup>3</sup>-Methyltriphenylmethan. Sm. 163—166° (B. 24, 556). — IV, 1045.
- C<sub>26</sub>H<sub>21</sub>O<sub>4</sub>N** C 74,1 — H 7,4 — O 15,2 — N 3,3 — M. G. 421.  
1) Codeinoviolet. (2HCl, PtCl<sub>4</sub>) (Bl. [3] 6, 905). — III, 906.
- C<sub>26</sub>H<sub>21</sub>O<sub>11</sub>N** C 49,6 — H 4,9 — O 43,2 — N 2,2 — M. G. 629.  
1) Indikan (J. 1855, 660; 1858, 465; B. 12, 2311). — III, 595.
- C<sub>26</sub>H<sub>22</sub>O<sub>6</sub>N<sub>2</sub>** C 69,0 — H 7,1 — O 17,7 — N 6,2 — M. G. 452.  
1) Brucinalloxyhydrat. Salze siehe (J. pr. [2] 3, 171). — III, 947.  
2) Anhydrid d. α-Benzoylamido-norm. Capronsäure. Sm. 85° (Bl. 30, 561). — II, 1191.
- C<sub>26</sub>H<sub>22</sub>O<sub>8</sub>N<sub>2</sub>** C 62,4 — H 6,4 — O 25,6 — N 5,6 — M. G. 500.  
1) o-Phtalyldi-d-Egonin. Fl. 2HJ (B. 24, 12). — III, 870.
- C<sub>26</sub>H<sub>23</sub>NCl** 1) Chloromethylat d. 3,5-Di[4-Isopropylbenzyl]pyridin. 2 + PtCl<sub>4</sub> (A. 280, 65). — IV, 458.
- C<sub>26</sub>H<sub>23</sub>NJ** 1) Jodmethylat d. 3,5-Di[4-Isopropylbenzyl]pyridin. Sm. 173—174° (A. 280, 64). — IV, 458.
- C<sub>26</sub>H<sub>23</sub>JAs** 1) Isamylitribenzylarsoniumjodid. Sm. 146° (A. 233, 78). — IV, 1691.
- C<sub>26</sub>H<sub>23</sub>ON<sub>3</sub>** C 77,4 — H 8,2 — O 4,0 — N 10,4 — M. G. 403.  
1) Triäthylrosanilin. Chlorid, Jodid (A. 132, 163; J. 1863, 419). — II, 1092.
- C<sub>26</sub>H<sub>23</sub>N<sub>2</sub>J<sub>2</sub>** 2) Hexamethylrosanilin. Jodid (B. 6, 364). — II, 1092.
- C<sub>26</sub>H<sub>23</sub>N<sub>2</sub>J** 1) Jodmethylat d. α-Jodtri[4-Dimethylamidophenyl]methan + H<sub>2</sub>O. Zers. unterh. 100° (Bl. [3] 13, 573). — IV, 1195.
- C<sub>26</sub>H<sub>23</sub>N<sub>2</sub>S** 1) Verbindung (aus Phenylhydrazoncarbodiphenylamin). Sm. 175° (B. 21, 227). — IV, 1224.
- C<sub>26</sub>H<sub>24</sub>ON<sub>2</sub>** C 80,0 — H 8,7 — O 4,1 — N 7,2 — M. G. 390.  
1) Dicamphanhexan-1-on-4-Phenylhydrazon. Sm. 117—118° (G. 27 [1] 171). — IV, 784.
- C<sub>26</sub>H<sub>24</sub>O<sub>4</sub>N<sub>2</sub>** 2) Iodo dicamphanhexan-1-on-4-Phenylhydrazon. Sm. 177—178° (G. 27 [1] 172). — IV, 784.
- C<sub>26</sub>H<sub>24</sub>O<sub>6</sub>N<sub>2</sub>** C 76,8 — H 8,4 — O 7,9 — N 6,9 — M. G. 406.  
1) Loxopterygin. Sm. 81° (A. 211, 278). — III, 890.
- C<sub>26</sub>H<sub>24</sub>O<sub>6</sub>N<sub>3</sub>** C 73,9 — H 8,1 — O 11,4 — N 6,6 — M. G. 422.  
1) Strychnoscamyloxyhydrat. Salze siehe (A. 92, 343; J. pr. [2] 3, 159). — III, 933.
- C<sub>26</sub>H<sub>24</sub>O<sub>6</sub>N<sub>2</sub>** C 71,2 — H 7,7 — O 14,6 — N 6,4 — M. G. 438.  
1) Di[2-Methyl-5-Isopropylphenylester] d. Hexahydro-1,4-Diazin-1,4-Dicarbonsäure. Sm. 139—140° (Bl. [3] 19, 765).
- C<sub>26</sub>H<sub>24</sub>O<sub>4</sub>N<sub>4</sub>** C 67,0 — H 7,3 — O 13,7 — N 12,0 — M. G. 466.  
1) Diäthylester d. γ<sup>1</sup>-Diphenylhydrazonoktan-α<sup>2</sup>-Dicarbonsäure. Sm. 104—105° (A. 294, 172). — IV, 722.  
2) Diäthylester d. β<sub>1</sub>γ-Di[Phenylhydrazon]oktan-γ<sup>2</sup>-Dicarbonsäure. Sm. 143—145° (Soc. 57, 221). — IV, 723.
- C<sub>26</sub>H<sub>24</sub>N<sub>3</sub>J<sub>3</sub>** 1) Jodmethylat d. α-Oxytri[4-Dimethylamidophenyl]methan (B. 6, 365). — II, 1089.
- C<sub>26</sub>H<sub>25</sub>O<sub>6</sub>N** C 68,3 — H 7,6 — O 21,0 — N 3,1 — M. G. 457.  
1) 1-Benzot d. 1-Oximido-3-Hexyl-5-Methyl-1,2,3,4-Tetrahydrobenzol-2,4-Dicarbonsäurediäthylester. Sm. 165—166° (A. 288, 342).

- C<sub>28</sub>H<sub>46</sub>ON<sub>2</sub>** C 79,6 — H 9,2 — O 4,1 — N 7,1 — M. G. 392.  
 1) **Monophenylhydrazen d. ββ-Dicampher.** Sm. 142—145° (G. 27 [1] 163). — IV, 784.
- C<sub>28</sub>H<sub>46</sub>O<sub>2</sub>N<sub>2</sub>** C 79,6 — H 9,2 — O 4,1 — N 7,1 — M. G. 392.
- C<sub>28</sub>H<sub>46</sub>O<sub>6</sub>N<sub>4</sub>** 1) **Diaocetyl derivat d. Base C<sub>21</sub>H<sub>32</sub>N<sub>2</sub>.** Sm. 132° (B. 25, 2044). — II, 445.  
 C 62,4 — H 7,2 — O 19,2 — N 11,2 — M. G. 500.
- C<sub>28</sub>H<sub>46</sub>O<sub>6</sub>N<sub>6</sub>** 1) **Di[ββ-Dithoxyläthylamid] d. Azobenzol-4,4'-Dicarbonsäure (p-Azobenzoylamidoacetat).** Sm. 202,5° (B. 27, 3097). — IV, 1459.  
 C 56,1 — H 6,5 — O 17,3 — N 20,1 — M. G. 556.
- C<sub>28</sub>H<sub>46</sub>O<sub>8</sub>N<sub>2</sub>** 1) **Verbindung (aus Benzaldehyd, Harnstoff u. Acetylacetessigäureäthylester).** Zers. bei 181—183° (G. 23 [1] 410). — III, 35.  
 C 60,5 — H 7,0 — O 21,7 — N 10,8 — M. G. 516.
- C<sub>28</sub>H<sub>46</sub>O<sub>7</sub>N<sub>4</sub>** 1) **Di[ββ-Dithoxyläthylamid] d. Azoxybenzol-4,4'-Dicarbonsäure (p-Azoxybenzoylamidoacetat).** Sm. 182° (B. 27, 3096). — IV, 1344.  
 C 61,9 — H 7,1 — O 25,4 — N 5,6 — M. G. 504.
- C<sub>28</sub>H<sub>46</sub>O<sub>9</sub>N<sub>2</sub>** 1) **Verbindung (aus αβ-Diamino-αβ-Diphenyläthan u. Oxalsäurediäthylester).** Sm. 164° u. Zers. (B. 28, 3179). — IV, 978.
- C<sub>28</sub>H<sub>46</sub>N<sub>3</sub>J<sub>2</sub>** 1) **Triiodmethyldat d. 2'-Amido-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan.** Sm. 172° (B. 22, 1887). — IV, 1194.
- C<sub>28</sub>H<sub>47</sub>OCl<sub>7</sub>** 1) **Heptachlorcholesterin.** Sm. 60° (A. 59, 110). — II, 1073.
- C<sub>28</sub>H<sub>47</sub>O<sub>5</sub>N** C 75,9 — H 9,0 — O 11,7 — N 3,4 — M. G. 411.
- C<sub>28</sub>H<sub>48</sub>ON** 1) **Jervin + 2H<sub>2</sub>O.** Sm. 231—237° (238—240°). (2HCl, PtCl<sub>4</sub>, (HCl, AuCl<sub>3</sub>) (A. 35, 116; Soc. 35, 405; B. 23 [2] 699). — III, 950.  
 C 81,9 — H 10,2 — O 4,2 — N 3,7 — M. G. 381.  
 1) **Solanicin.** Sm. oberh. 250° u. Zers. HCl, (2HCl, PtCl<sub>4</sub>) (A. 123, 344). — III, 613.
- C<sub>28</sub>H<sub>49</sub>O<sub>4</sub>N** C 72,7 — H 9,1 — O 14,9 — N 3,3 — M. G. 429.
- C<sub>28</sub>H<sub>49</sub>OBr** 1) **Glykodyslysin (Bl. 25, 182).** — I, 1193.
- C<sub>28</sub>H<sub>49</sub>O<sub>5</sub>N** 1) **Bromlupeol.** Sm. 165° (H. 15, 424). — II, 1077.  
 C 69,8 — H 9,2 — O 17,9 — N 3,1 — M. G. 447.
- C<sub>28</sub>H<sub>49</sub>O<sub>10</sub>N** 1) **Glykocholsäure.** Na, Ba (A. 67, 26; 70, 166; J. 1847/48, 907). — I, 1193.  
 C 59,2 — H 7,8 — O 30,4 — N 2,6 — M. G. 527.
- C<sub>28</sub>H<sub>49</sub>O<sub>10</sub>N<sub>2</sub>** 1) **Japaconin.** HJ, HgJ<sub>2</sub> (Soc. 35, 387). — III, 776.
- C<sub>28</sub>H<sub>49</sub>O<sub>10</sub>N<sub>2</sub>** C 75,4 — H 10,1 — O 7,7 — N 6,8 — M. G. 414.
- C<sub>28</sub>H<sub>49</sub>O<sub>10</sub>N<sub>2</sub>** 1) **Onoketondioxim (B. 29, 2988).**  
 C 67,5 — H 9,1 — O 17,3 — N 6,1 — M. G. 462.
- C<sub>28</sub>H<sub>49</sub>O<sub>12</sub>N** 1) **Dinitrocholesterin.** Sm. 120—121° (B. 12, 225; M. 15, 110). — II, 1073.
- C<sub>28</sub>H<sub>49</sub>O<sub>12</sub>N** C 77,8 — H 10,7 — O 8,0 — N 3,5 — M. G. 401.
- C<sub>28</sub>H<sub>49</sub>O<sub>12</sub>N** 1) **Rubijervin.** Sm. 236° (240—246°) (Soc. 35, 405). — III, 950.
- C<sub>28</sub>H<sub>49</sub>O<sub>12</sub>N** C 72,1 — H 9,9 — O 14,8 — N 3,2 — M. G. 433.
- C<sub>28</sub>H<sub>49</sub>O<sub>12</sub>N** 1) **Diäthylester d. 2,6-Dimethyl-4-Tridekylpyridin-3,5-Dicarbonsäure.** Sd. 265° (A. 22, 1758). — IV, 171.
- C<sub>28</sub>H<sub>49</sub>O<sub>12</sub>N** C 69,5 — H 9,6 — O 17,8 — N 3,1 — M. G. 449.
- C<sub>28</sub>H<sub>49</sub>O<sub>12</sub>N** 1) **α-Hyoglykocholsäure.** Na + H<sub>2</sub>O, K +  $\frac{1}{2}$ H<sub>2</sub>O, Mg, Ba + 2H<sub>2</sub>O (A. 62, 215; J. 1858, 568; H. 12, 512; 13, 209). — I, 1193.  
 2) **β-Hyoglykocholsäure.** Na, K, Mg + 7H<sub>2</sub>O, Ca, Ba + 4H<sub>2</sub>O, Cu, Ag (A. 62, 205; H. 12, 512, 548). — I, 1194.
- C<sub>28</sub>H<sub>49</sub>O<sub>12</sub>N** C 67,1 — H 9,2 — O 20,6 — N 3,0 — M. G. 465.
- C<sub>28</sub>H<sub>49</sub>O<sub>12</sub>N** 1) **Glykocholsäure.** Sm. 132—134°. Na, Ba, Pb. Lit. bedeutend. — I, 1192.
- C<sub>28</sub>H<sub>49</sub>ClBr<sub>2</sub>** 2) **Paraglykocholsäure.** Sm. 183—184° (A. 65, 12; M. 3, 340). — I, 1193.
- C<sub>28</sub>H<sub>49</sub>OBr<sub>2</sub>** 1) **Dibrom d. Cholesterinchlorid.** Sm. 128° (Bl. 47, 900). — II, 1073.
- C<sub>28</sub>H<sub>49</sub>O<sub>2</sub>N<sub>2</sub>** 1) **Cholesterinbromid (A. 146, 179).** — II, 1072.
- C<sub>28</sub>H<sub>49</sub>ON** 1) **s-Stearyl-2-Methylphenylbarnstoff.** Sm. 94—95° (Soc. 69, 1600).  
 C 80,6 — H 11,6 — O 4,1 — N 3,6 — M. G. 387.
- C<sub>28</sub>H<sub>49</sub>ON** 1) **α-Oximido-α-[2,4-Dimethylphenyl]oktadekan.** Sm. 45° (J. pr. [2] 54, 394).  
 2) **α-Oximido-α-[2,5-Dimethylphenyl]oktadekan.** Sm. 50° (J. pr. [2] 54, 400).  
 3) **Phenylamid d. Arachinsäure.** Sm. 96° (M. 17, 545).  
 4) **2,4-Dimethylphenylamid d. Stearinäsure.** Sm. 95° (J. pr. [2] 54, 396).

- $C_{26}H_{45}O_2N$  C 77,4 — H 11,2 — O 7,9 — N 3,5 — M. G. 403.  
 1)  $\alpha$ -Phenylamidoarachinsäure. Sm. 138—139° (M. 17, 542).  
 $C_{26}H_{45}O_2N$  C 71,7 — H 10,3 — O 14,7 — N 3,2 — M. G. 435.  
 1) Diäthylester d. Tridekylidihydrolutidindicarbonsäure. Sm. 60° (B. 22, 1757). — IV, 96.  
 $C_{26}H_{45}O_5N$  C 62,5 — H 9,0 — O 25,6 — N 2,8 — M. G. 499.  
 1) Protoveratridin. Sm. 265° (B. 23 [2] 699). — III, 951.  
 $C_{26}H_{44}O_6Cl_2$  1) Dioisomyläther d. 3,6-Dichlor-2,5-Dioxy-1,4-Benzochinondiisomylacetal.  $Na_2$  (Am. 18, 7). — III, 351.  
 $C_{26}H_{44}N_2Cl_2$  1) Di[Chlormethylat] d. Connexin +  $5H_2O$  (B. 19, 84). — III, 875.  
 $C_{26}H_{44}N_2J_2$  1) Di[Jodmethylat] d. Connexin (B. 19, 82). — III, 875.  
 $C_{26}H_{45}O_2N^2$  C 76,6 — H 12,0 — O 7,9 — N 3,4 — M. G. 407.  
 $C_{26}H_{45}O_2N_3$  1)  $\alpha$ -Cyanocerotinsäure. Sm. 88° (C. 1898 [1] 643).  
 $C_{26}H_{45}O_2N_3$  1) Tri[Acetylamido]dracoalban (C. 1898 [2] 713).  
 $C_{26}H_{51}O_3N$  C 73,4 — H 12,0 — O 11,3 — N 3,3 — M. G. 425.  
 1) Monamid d. Tetrakosan- $\alpha$ -Dicarbonsäure (C. 1898 [1] 643).  
 $C_{26}H_{52}O_2N_2$  C 73,6 — H 12,3 — O 7,5 — N 6,6 — M. G. 424.  
 1)  $\alpha$ -Dodekyltridekoxylharnstoff. Sm. 100,5° (B. 19, 1440). — I, 1304.

### $C_{26}$ -Gruppe mit vier Elementen.

- $C_{26}H_{11}O_2N_2Br_3$  1) Tribrom-4-Oxynaphthindon (A. 272, 345). — IV, 1085.  
 $C_{26}H_{11}O_2N_2J$  1) 5-Jod-2,4'-Di[4-Nitrobenzylidenamido]biphenyl. Sm. 213° (A. 303, 333).  
 $C_{26}H_{11}O_2NBr_4$  1) 1-Keto-2-Acetyl-3,3-Di[P-Dibrom-P-Acetoxyphenyl]-1,3-Dihydroisoindol (Triacetyltertetrabromimidophenolphthaléin). Sm. 176 bis 178° (G. 24 [1] 80). — II, 1985.  
 $C_{26}H_{11}O_2N_2S_4$  1) 2-Nitro-1,4-Di[3,6-Disulfo-2-Oxy-P-Naphtylazo]benzol.  $Na_2$  (B. 30, 986). — IV, 1551.  
 $C_{26}H_{11}O_2N_2Br_2$  1) P-Dibrom-4,4'-Di[Benzoylamido]biphenyl. Sm. 195° (u. 99°) (B. 15, 2835, 2838). — IV, 966.  
 $C_{26}H_{11}O_2N_2Cl$  1) 1-Chlorphenylat d. 2-[4-Nitrophenyl]-3-Phenyl-1,4-Benzdiazin. +  $FeCl_3$  (B. 31, 2427).  
 $C_{26}H_{11}N_2ClJ$  1) 1-Chlorphenylat d. 6-Brom-2,3-Diphenyl-1,4-Benzdiazin (A. 303, 336).  
 $C_{26}H_{11}ON_2Cl$  1) 1-Phenoxydhydrat d. 7-Chlor-2,3-Diphenyl-1,4-Benzdiazin. Sm. 164—166° (A. 303, 310).  
 $C_{26}H_{11}O_2N_2Cl$  1) 5-Chlor-2,4'-Di[2-Oxybenzylidenamido]biphenyl. Sm. 166—167° (A. 303, 318).  
 $C_{26}H_{11}O_2N_2Br$  1) 5-Brom-2,4'-Di[2-Oxybenzylidenamido]biphenyl. Sm. 154—156° (A. 303, 327).  
 $C_{26}H_{11}O_2N_2J$  1) 5-Jod-2,4'-Di[2-Oxybenzylidenamido]biphenyl. Sm. 151° (A. 303, 333).  
 $C_{26}H_{16}O_2N_2S$  1) Di[2-Benzoylamidophenyl]sulfid. Sm. 162—163° (B. 29, 2774).  
 2) Di[4-Benzoylamidophenyl]sulfid. Sm. 255° (B. 27, 2812).  
 3) Di[P-Benzoylamidophenyl]sulfid. Sm. 234° (255°) (B. 27, 2812; 29, 2775).  
 $C_{26}H_{20}O_2N_2Cl_2$  1) m-Dichlorlignonblau (B. 30, 240).  
 $C_{26}H_{20}O_2N_2Br_2$  1) p-Dibromlignonblau (B. 30, 240).  
 $C_{26}H_{20}O_2N_2Cl$  1) 7-[4-Acetylamidochlorphenyl] d. 10-Nitro-5-Acetylamido- $\alpha\beta$ -Naphtophenazin. Sm. 260—261° (B. 31, 3086).  
 $C_{26}H_{20}O_2N_2S_2$  1) Stilbendialfonsäuredisazophenol.  $Na_2$  (Brillantgelb) (B. 27, 3357). — IV, 1418.  
 $C_{26}H_{21}O_2N_2Cl$  1) 7-Chlorphenylat d. 5,10-Di[Acetylamido]- $\alpha\beta$ -Naphtophenazin. 2 +  $PtCl_4$  (B. 31, 3081).  
 $C_{26}H_{21}O_2N_2P$  1) Lakton d. Di[s-Benzoylphenylhydrazido]phosphorsäure. Sm. 164,5° (B. 27, 2124). — IV, 668.  
 $C_{26}H_{21}O_2N_2Cl_2$  1) Verbindung (aus Rennurin) (B. 17, 1855). — II, 933.  
 $C_{26}H_{21}O_2N_2Br_2$  1)  $\alpha\beta$ -Di[Bromacetyl-1-Naphtylamido]äthan. Sm. 215° u. Zers. (B. 25, 3264). — II, 605.  
 2)  $\alpha\beta$ -Di[Bromacetyl-2-Naphtylamido]äthan. Sm. 144° (B. 25, 3269). — II, 615.

- $C_{26}H_{22}O_2N_4S_2$  1)  $\alpha\alpha$ -Succinylid[ $\beta$ -1-Naphthylthioharnstoff]. Sm. 224—225° (Soc. 67, 569).
- $C_{26}H_{22}O_4N_2S$  1) Di[4-(2,4-Dioxyphenyl)azobenzyl]sulfid. Sm. 211° u. Zers. (B. 28, 1340). — IV, 144.
- $C_{26}H_{22}O_5N_2Cl_2$  1) Diäthylester d. Dicarbanilidodichlorhydrochinondicarbonsäure. Sm. 195° (B. 23, 260). — II, 2003.
- $C_{26}H_{22}O_5N_2Br_2$  1) Diäthylester d. Dicarbanilidodibromhydrochinondicarbonsäure. Sm. gegen 200° (B. 23, 264). — II, 2004.
- $C_{26}H_{22}O_5N_2S_2$  1) Lignonblau-p-Disulfonsäure.  $N_2$ . (B. 30, 241).
- $C_{26}H_{22}NSP$  1) Triphenylbenzylphosphoniumrhodanid. Sm. 189° (A. 229, 323). — IV, 1663.
- $C_{26}H_{23}ON_4Sb$  1) Dibenzaldiphenylhydrazonantimonoxydsalz (Bl. [3] 17, 484). — IV, 748.
- $C_{26}H_{23}O_4N_2P$  1) Di[s-Benzoylphenylhydrazido]phosphorsäure. Sm. 131—132° (B. 27, 2123). — IV, 668.
- $C_{26}H_{24}ON_5Cl$  1) Verbindung (aus Acetylchlorid u. Kyanbenzylin). Sm. 116° (J. pr. [2] 53, 249). — IV, 1217.
- $C_{26}H_{24}O_2N_2S_2$  1) Di[5-Propionylamido-1-Naphthyl]disulfid. Sm. 242° (B. 23, 1123). — II, 869.
- $C_{26}H_{24}O_2N_2As_2$  1) Dibenzaldiphenylhydrazonarsenit (Bl. [3] 17, 484). — IV, 748.
- $C_{26}H_{24}O_3NP$  1) Diphenylmonamid d. Phosphorsäuredi[4-Methylphenylester]. Sm. 178° (B. 28, 615).
- $C_{26}H_{24}O_4N_2S_2$  1) 4,4'-Di[Methylphenylsulfonamido]biphenyl. Sm. 179—180° (A. 272, 232). — IV, 966.
- 2)  $\alpha$ -[4-Methylphenyl]sulfon- $\gamma$ -[2-Naphthyl]sulfon- $\beta$ -Phenylhydrazonpropan. Sm. 186° (J. pr. [2] 55, 410). — IV, 768.
- $C_{26}H_{26}ON_3P$  1) Di[2-Methylphenylamid]-Diphenylmonamid d. Phosphorsäure. Sm. 219° (B. 28, 615).
- $C_{26}H_{26}O_2N_2Hg_2$  1) Diqueksilberbenzylanilin. Sm. 215,5° u. Zers. Salze siehe (G. 27 [1] 15). — IV, 1705.
- 2) Quecksilberdi[4-Methylphenylamidophenyl]quecksilberdiammoniumhydrat +  $3H_2O$ . Salze siehe (G. 28 [2] 133).
- $C_{26}H_{26}ON_4Br_2$  1) Verbindung (aus Chinin u. Tribromphenol) (G. 16, 528). — III, 812.
- $C_{26}H_{27}ON_4P$  1) Tri[4-Methylphenylhydrazid] d. Phosphorsäure. Sm. 189° (A. 270, 136). — IV, 805.
- $C_{26}H_{26}O_2N_4P_2$  1) Verbindung (aus Oxyphazobenzolanilid). Sm. 220° (B. 29, 718).
- $C_{26}H_{26}O_1Br_8$  1) Verbindung (aus Holzsulfatlauge) (A. 267, 362).
- $C_{26}H_{29}ON_4Cl$  1) Chlorbenzylat d. Cinchonin. Sm. 248°. ( $HCl, PtCl_4$ , +  $Hg(CN)_2$ , (B. 13, 2205; A. 269, 262)). — III, 834.
- 2) Chlorbenzylat d. Cinchonidin +  $H_2O$ . Sm. 198° u. Zers. ( $HCl, HgCl_2$ , ( $HCl, PtCl_4$ , +  $H_2O$ ) (A. 269, 250)). — III, 852.
- $C_{26}H_{30}O_2N_2J_2$  1) Jodmethylat d. Lakton d.  $\alpha$ -Oxy- $\alpha$ -(Tetramethyldiamodiphenyl)- $\alpha$ -Phenylmethan- $\alpha$ -2-Carbonsäure. Sm. 185° u. Zers. (A. 206, 98). — II, 1723.
- $C_{26}H_{30}O_2N_2S$  1) Resorcinchininsulfat +  $1\frac{1}{2}H_2O$  (A. 138, 77). — III, 813.
- $C_{26}H_{30}O_2N_2S$  1) Phloroglucinchininsulfat +  $3H_2O$  (J. 1865, 594). — III, 813.
- $C_{26}H_{31}O_2N_2Cl$  1) Chlorallylat d. Brucin. 2 +  $PtCl_4$  (J. pr. [2] 3, 171). — III, 947.
- $C_{26}H_{31}O_2N_2J$  1) Jodallylat d. Brucin +  $H_2O$ . +  $J_2$ , +  $J_4$  +  $H_2O$  (J. pr. [2] 3, 171). — III, 947.
- $C_{26}H_{32}ON_2Cl$  1) Base (aus Cocainalkaloiden). Sm. 220,5°. 3HBr (B. 22, 399). — III, 869.
- $C_{26}H_{33}O_2N_2Cl$  1) Chlorisoamylat d. Strychnin +  $4H_2O$  (A. 92, 343). — III, 938.
- $C_{26}H_{34}O_2N_2Br_2$  1)  $\alpha\beta$ -Di[ $\alpha$ -Bromisovaleryl-2-Methylphenylamido]äthan. Sm. 203° (B. 31, 3246).
- 2)  $\alpha\beta$ -Di[ $\alpha$ -Bromisovaleryl-4-Methylphenylamido]äthan. Sm. 109° (B. 31, 3246).
- $C_{26}H_{34}O_2N_2J_2$  1) Jodmethylat-Methyläther d.  $\alpha$ -Oxy-4,4'-Di[Dimethylamido]triphenylmethan (B. 15, 236; A. 206, 134). — II, 1085.
- $C_{26}H_{34}O_2N_2S$  1) 4-Methoxybenzaldehyd-2,4,6-Trimethylphenylthionaminsäures 2-Amido-1,3,5-Trimethylbenzol. Sm. 79,5° (A. 274, 240). — III, 82.
- $C_{26}H_{34}O_2NJ_2$  1) Jodmethylat d. Narceinäthylester. Sm. 203° (A. 277, 40). — II, 2080.
- 2) Jodäthylat d. Narceinmethylester. Sm. 203° (A. 277, 41). — II, 2080.

- $C_{26}H_{14}O_4N_2S$  1) Oenantholanilinsulfit (*A.* 140, 129). — *II.* 445.  
 $C_{26}H_{14}ON_2S$  1) *s*-Stearyl-2-Methylphenylthioharnstoff. Sm. 67—68° (*Soc.* 69, 1600).  
 $C_{26}H_{14}O_2N_2Cl_2$  1) 3,6-Dichlor-2,5-Di[Diisooamylamido]-1,4-Benzochinon. Sm. 77 bis 78° (*Am.* 20, 420).  
 $C_{26}H_{14}ON_2Cl$  1) Verbindung (aus Acetylchlorid u. Kyanpropin). Sm. 210° (*J. pr.* [2] 53, 249). — *IV.* 1135.  
 $C_{26}H_{14}O_2NS$  1) Taurocholsäure. Na, K (*A.* 60, 109; **65**, 194; **67**, 1; **70**, 169; **102**, 93; *M.* 4, 96; *J.* 1886, 752; *J. pr.* [2] **25**, 99). — *I.* 1180.

### $C_{26}$ -Gruppe mit fünf Elementen.

- $C_{26}H_{14}O_5N_4Br_4P_2$  1) Verbindung (aus d. Oxyphosphazo-m-Brombenzol-m-Bromanilid). Sm. 203° (*B.* 29, 723).

### $C_{27}$ -Gruppe mit einem Element.

- $C_{27}H_{16}$  C 94,7 — H 5,3 — M. G. 342.  
1) Truxen. Sm. 365—368° (*B.* 22, 786, 2024; **23**, 317; **27**, 1416).  
 $C_{27}H_{20}$  C 94,2 — H 5,8 — M. G. 344.  
1) Phenyl-1,1-Dinaphthylmethan. Sm. bei 180° (*J. pr.* [2] 35, 507). — *II.* 303.  
 $C_{27}H_{24}$  C 93,1 — H 6,9 — M. G. 348.  
1) P-Tri[4-Methylphenyl]benzol. Sm. 171° (*J. pr.* [2] 41, 405). — *II.* 301.  
2) Kohlenwasserstoff (aus Phenylacetone u. Benzaldehyd). Sm. 120° (*M.* 18, 445).  
 $C_{27}H_{42}$  C 88,5 — H 11,5 — M. G. 366.  
1)  $\alpha$ -Cholesterinen. Sm. 240° (260°) u. Zers. (*A.* 66, 7; *M.* 17, 32). — *II.* 176.  
2)  $\beta$ -Cholesterinen. Sm. 255° (*A.* 66, 8; *M.* 17, 31). — *II.* 177.  
3)  $\gamma$ -Cholesterinen, siehe  $C_{24}H_{44}$ . — *II.* 177.  
4) isom. Cholesterinen ( $\alpha$ -Cholesterin). Sm. 80° (*J. r.* 8, 237; *M.* 17, 33, 34; *C. r.* 92, 195; *A.* 69, 348). — *II.* 177.  
5) b-Cholesteron. Sm. 192° (175°) (*A.* 69, 349; *M.* 17, 33 Anm.). — *II.* 177.  
 $C_{27}H_{44}$  C 88,0 — H 12,0 — M. G. 368.  
1) Sitosten. Sm. 61—63° (*M.* 18, 563).  
 $C_{27}H_{54}$  C 85,7 — H 14,3 — M. G. 378.  
1) Ceroten (aus Wachs). Sm. 59,5°; Sd. 270°<sub>15</sub> (*B.* 15, 1714). — *I.* 124.  
2) Ceroten (aus Wiesenheu). Sm. 65—66° (*B.* 6, 500). — *I.* 124.  
 $C_{27}H_{56}$  C 85,3 — H 14,7 — M. G. 380.  
1) norm. Heptakosan. Sm. 59,5°; Sd. 270°<sub>15</sub> (172°) (*B.* 15, 1714; **29**, 1323; *A.* 235, 117; *C.* 1897 [1] 339). — *I.* 107.

### $C_{27}$ -Gruppe mit zwei Elementen.

- $C_{27}H_{12}O_5$  C 84,4 — H 3,1 — O 12,5 — M. G. 384.  
1) o-Tribenzoylebenzol. Sm. oberh. 360° (*B.* 10, 1557; **11**, 1007; **14**, 925, 927; **22**, 2023; **23**, 318; **30**, 2143; **31**, 2936; *Soc.* 65, 285, 503). — *II.* 2040.  
2) Verbindung (aus 1,4-Naphtochinon). Sm. oberh. 360° (*Soc.* 39, 221). — *III.* 371.  
 $C_{27}H_{15}N_3$  C 85,5 — H 3,4 — N 11,1 — M. G. 379.  
1) Benzylidenrosanilin. (2HCl, PtCl<sub>4</sub>) (*A.* 140, 110; *Z.* 1867, 176). — *III.* 9.  
 $C_{27}H_{14}O_5$  C 77,5 — H 3,3 — O 19,1 — M. G. 418.  
1) Anhydroverb. d. Di[3-Oxy-1,4-Naphtochinolyl-2-]methylbenzol. Zers. bei 245° (*Soc.* 65, 81). — *III.* 464.  
 $C_{27}H_{16}O_4$  C 74,3 — H 3,7 — O 12,0 — M. G. 436.  
1) Di[3-Oxy-1,4-Naphtochinolyl-2-]methylbenzol. Sm. 230° (*Soc.* 65, 79). — *III.* 464.  
2) Dibenzoat d. 1,7-Dioxyxanthone. Sm. 214° (*B.* 15, 1678). — *III.* 206.

- C<sub>27</sub>H<sub>16</sub>O<sub>6</sub>** C 69,2 — H 3,4 — O 27,4 — M. G. 468.  
 1) **Tribenzoat d. 2,3,5-Trioxo-1,4-Benzochinon** (*B. 12*, 2043). — **III, 354.**
- C<sub>27</sub>H<sub>17</sub>N** C 91,3 — H 4,8 — N 3,9 — M. G. 355.  
 1) **Phenyl-β-Naphtoakridin**. Sm. 297° (294°). HCl, (2HCl.PtCl<sub>4</sub>) (*B. 17*, 1595; 2030; *18*, 1586). — **IV, 478.**
- C<sub>27</sub>H<sub>17</sub>N<sub>3</sub>** C 84,6 — H 4,4 — N 11,0 — M. G. 383.  
 1) **2-[4-Chinolyl]-3-[2-Chinolyl]chinolin**. Sm. 150—151°. 3HCl, (6HCl, 3PtCl<sub>4</sub>), (3HCl, AuCl<sub>4</sub>) (*M. 17*, 414).
- C<sub>27</sub>H<sub>18</sub>O** C 90,5 — H 5,0 — O 4,5 — M. G. 358.  
 1) **Anhydrid d. Phenylid[2-Oxynaphthal]methan**. Sm. 189—190° (*B. 17*, 499; *A. 237*, 265). — **II, 1009.**
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>** C 83,1 — H 4,6 — O 12,3 — M. G. 390.  
 1) **Monobenzoat d. β-Dioxybinaphthal**. Sm. 204° (*J. r. 6*, 192). — **II, 1152.**
- C<sub>27</sub>H<sub>18</sub>O<sub>4</sub>** C 79,8 — H 4,4 — O 15,8 — M. G. 406.  
 1) **Anhydrid d. α-Oxphenyldi[1,2-Dioxynaphthal]methan** (*J. pr. [2] 49*, 551). — **III, 6.**
- C<sub>27</sub>H<sub>18</sub>O<sub>5</sub>** C 76,8 — H 4,3 — O 18,9 — M. G. 422.  
 1) **Dibenzoat d. 2,4-Dioxydiphenylketon**. Sm. 141° (*A. 210*, 258; *B. 27*, 1998). — **III, 199.**  
 2) **Dibenzoat d. 2,5-Dioxydiphenylketon** (D. d. Benzohydrochinon). Sm. 118° (*B. 24*, 1343). — **III, 199.**  
 3) **Dibenzoat d. 3,4[β]-Dioxydiphenylketon** (D. d. Benzobrenzkatetchin). Sm. 95° (*A. 210*, 262). — **III, 199.**  
 4) **Dibenzoat d. 2,2'-Dioxydiphenylketon**. Sm. 104° (*J. pr. [2] 28*, 288). — **III, 195.**  
 5) **Dibenzoat d. 3,3'-Dioxydiphenylketon**. Sm. 101—102° (*B. 13*, 836; *A. 218*, 357). — **III, 198.**  
 6) **Dibenzoat d. 4,4'-Dioxydiphenylketon**. Sm. 181—182° (*A. 194*, 335). — **II, 199.**
- C<sub>27</sub>H<sub>18</sub>O<sub>6</sub>** C 74,0 — H 4,1 — O 21,9 — M. G. 438.  
 1) **Tribenzoat d. 1,2,3-Trioxobenzol**. Sm. 89—90° (*M. 10*, 391; *A. 301*, 106). — **II, 1152.**  
 2) **Tribenzoat d. 1,3,5-Trioxobenzol**. Sm. 172° (173—174°) (*A. 119*, 201; *M. 10*, 722; *B. 26*, 2026). — **II, 1152.**  
 3) **1,3,5-Triphenylbenzol-2,4,6-Tricarbonsäure** (Phenetyltribenzoësäure). Sm. 259—261° (257—259°). Na<sub>2</sub>, Ag<sub>2</sub> (*B. 11*, 1006; *32*, 2478). — **II, 2040.**  
 4) **Triphenylbenzol-4',4'',4'''-Tricarbonsäure**. subl. bei 280° ohne Sm. K<sub>2</sub>K<sub>3</sub>, K<sub>4</sub> (*J. pr. [2] 41*, 408). — **II, 2040.**  
 5) **Verbindung** (aus Benzoylessigsäureäthylester). Sm. 273—275° (*Soc. 47*, 280). — **II, 1643.**
- C<sub>27</sub>H<sub>18</sub>N<sub>2</sub>** C 87,6 — H 4,8 — N 7,6 — M. G. 370.  
 1) **2-Phenyl-3-[2-Naphyl]-α-Napthimidazol**. Sm. 163°. + C<sub>6</sub>H<sub>6</sub> (Sm. 113—114°). subl. (*B. 20*, 2626). — **IV, 1062.**
- C<sub>27</sub>H<sub>18</sub>O<sub>6</sub>** C 76,0 — H 4,2 — N 19,7 — M. G. 426.  
 1) **Benzotritolazin**. + CHCl<sub>3</sub> (*B. 20*, 324). — **IV, 621.**
- C<sub>27</sub>H<sub>19</sub>N<sub>3</sub>** C 84,1 — H 4,9 — N 10,9 — M. G. 385.  
 1) **3-Phenyl-2-[2-Naphyl]-2,3-Dihydronaphtriazin**. Sm. 204—205°. + 1/2CH<sub>4</sub>O (*Soc. 59*, 698). — **IV, 1390.**
- C<sub>27</sub>H<sub>20</sub>O** C 90,0 — H 5,5 — O 4,4 — M. G. 360.  
 1) **Isolepiden**. Sm. 150° (*J. 1877*, 394; *J. r. 5*, 20; *Soc. 57*, 689). — **III, 696.**  
 2) **α-Oxypheylid[1-Naphyl]methan** (*J. pr. [2] 35*, 506). — **II, 1096.**  
 3) **10-Keto-9-Phenyl-9-[4-Methylphenyl]-9,10-Dihydroanthracen**. Sm. 209° (*Bl. [3] 15*, 392; *[3] 17*, 983).
- C<sub>27</sub>H<sub>20</sub>O<sub>2</sub>** C 86,2 — H 5,3 — O 8,5 — M. G. 376.  
 1) **Di[2-Naphyläther] d. Dioxymethylbenzol**. Sm. 204—205° (*A. 237*, 269). — **III, 10.**  
 2) **Benzoat d. β-Oxy-ααβ-Triphenyläthen**. Sm. 151° (153°) (*C. 1897* [2], 661; *B. 32*, 655).
- C<sub>27</sub>H<sub>20</sub>O<sub>3</sub>** C 82,7 — H 5,1 — O 12,2 — M. G. 392.  
 1) **Benzoat d. α-Oxy-β-Keto-ααβ-Triphenyläthan**. Sm. 169° (*C. 1897* [2], 661).  
 2) **Diphenylmethenylester d. α-Oxydiphenylessigsäure** (Benzilsäurebenzhydroläther). Sm. 100° (*B. 22*, 1214). — **II, 1697.**

- C<sub>27</sub>H<sub>20</sub>O<sub>4</sub>** C 79,4 — H 4,9 — O 15,7 — M. G. 408.  
 1) **Dibensoat d. Di[4-Oxyphenyl]methan.** Sm. 156° (A. 104, 325). — II, 1151.
- C<sub>27</sub>H<sub>20</sub>N<sub>2</sub>** C 87,1 — H 5,4 — N 7,5 — M. G. 372.  
 1) *α*-[2-Naphthyl]imido-*α*-[2-Naphthyl]amido-*α*-Phenylmethan. Sm. 155° (J. 1886, 868). — IV, 845.
- C<sub>27</sub>H<sub>20</sub>N<sub>4</sub>** C 81,0 — H 5,0 — N 14,0 — M. G. 400.  
 1) **4-Phenylazo-1,3,5-Triphenylpyrasol.** Sm. 156—157° (B. 21, 1703; 23, 3383). — IV, 1480.
- 2) **Verbindung (aus Tetrabromdibenzylketon u. Phenylhydrazin).** Sm. 65 bis 70° (B. 22, 1369). — IV, 777.
- C<sub>27</sub>H<sub>20</sub>S<sub>2</sub>** 1) **Di[1-Naphthyläther] d. Dimerkaptomethylbenzol.** Sm. 136—137° (B. 27 [2] SSI). — III, 10.
- 2) **Di[2-Naphthyläther] d. Dimerkaptomethylbenzol.** Sm. 137° (B. 27 [2] SSI). — III, 10.
- C<sub>27</sub>H<sub>21</sub>N<sub>5</sub>** C 83,7 — H 5,4 — N 10,8 — M. G. 387.  
 1) *4-[4-Methylphenyl]amido-1,1'-Azonaphthalin.* HCl (B. 7, 1292). — IV, 1390.
- 2) **2,2,4,6-Tetraphenyl-1,2-Dihydro-1,3,5-Triazin.** Sm. 190—191°. + C<sub>2</sub>H<sub>5</sub>O, HCl, (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O), HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, H<sub>2</sub>CrO<sub>4</sub> (J. pr. [2] 54, 135). — IV, 1219.
- C<sub>27</sub>H<sub>21</sub>Br<sub>3</sub>** 1) **P-Tribromtri[4-Methylphenyl]benzol.** Sm. 212° (J. pr. [2] 41, 406). — II, 301.
- C<sub>27</sub>H<sub>21</sub>O** C 89,5 — H 6,1 — O 4,4 — M. G. 362.  
 1) *α-Keto-α-Acenaphthenyl-βγ-Diphenylpropan.* Sm. 104° (B. 21, 1343). — III, 265.
- 2) *α-Keto-α-Biphenyl-βγ-Diphenylpropan.* Sm. 158° (B. 21, 1339). — III, 265.
- 3) **Dihydroisolepiden.** Sm. 182° (J. 1877, 394). — III, 696.  
 C 85,7 — H 5,8 — O 8,5 — M. G. 378.
- C<sub>27</sub>H<sub>21</sub>O<sub>2</sub>** 1) **Benzooat d. β-Oxy-*ααβ*-Triphenyläthan.** Sm. 145° (C. 1897 [2] 661). C 68,4 — H 4,6 — O 27,0 — M. G. 474.
- 2) **Tribenzoylevoglukosan.** Sm. 194° (Bl. [3] 11, 953). C 58,5 — H 4,0 — O 37,5 — M. G. 554.
- 3) **Quercetagetin + 4H<sub>2</sub>O (Bl. 28, 337).** — III, 647.
- C<sub>27</sub>H<sub>21</sub>O<sub>4</sub>** C 56,9 — H 3,8 — O 39,3 — M. G. 570.  
 1) **Hexacetat d. Myricetin.** Sm. 203—204° (201—206°) (Soc. 69, 1291; 73, 375). — III, 606.
- C<sub>27</sub>H<sub>21</sub>O<sub>11</sub>** C 52,4 — H 3,6 — O 41,0 — M. G. 620.  
 1) **Glykotannin, siehe C<sub>24</sub>H<sub>18</sub>O<sub>12</sub>.** — II, 1926.  
 C 86,6 — H 5,9 — N 7,5 — M. G. 374.
- 1) *α-Phenylimido-β-[4-Methylphenyl]imido-αβ-Diphenyläthan.* Sm. 135° (M. 14, 287). — III, 284.
- 2) **Di[4-Benzylidenamidophenyl]methan.** Sm. 125° (B. 25, 303). — IV, 975.
- 3) **4,4'-Di[Benzylidenamido]-2-Methylbiphenyl.** Sm. 111—112° (B. 28, 2550). — IV, 975.
- 4) **4,4'-Di[Benzylidenamido]-3-Methylbiphenyl.** Sm. 134° (B. 28, 2545). — IV, 975.
- 5) **isom.<sup>9</sup>-4,4'-Di[Benzylidenamido]-3-Methylbiphenyl.** Sm. 217° (B. 23, 3225). — IV, 975.
- 6) **γ-Phenylhydrason-*αβγ*-Triphenylpropen.** Sm. 163—164° (B. 26, 443). — IV, 779.
- 7) **1,3,4,5-Tetraphenyl-2,3-Dihydropyrazol?** Sm. 212—213° (A. 269, 123). — IV, 787.
- 8) **Phenylhydrazon d. Verb. C<sub>21</sub>H<sub>16</sub>O (aus Benzamaron).** Sm. 164° (A. 275, 64). — III, 314.
- C<sub>27</sub>H<sub>21</sub>N<sub>6</sub>** C 75,4 — H 5,1 — N 19,5 — M. G. 430.  
 1) **Tetraphenylmelamin.** Sm. 217°. HCl, (2HCl, PtCl<sub>4</sub>) (B. 7, 1736; 8, 912; 20, 1066). — II, 353.
- C<sub>27</sub>H<sub>21</sub>N<sub>5</sub>** C 83,3 — H 5,9 — N 10,8 — M. G. 389.  
 1) *α-Phenyl-β-Benzyliden-*α*-[2-Benzylidenamidobenzyl]hydrazin.* Sm. 148—150° (B. 27, 2903). — IV, 1130.

- C<sub>27</sub>H<sub>25</sub>N<sub>5</sub>** C 77,7 — H 5,5 — N 16,8 — M. G. 417.  
 1) **2-Phenylimido-1,3-Di[Phenylamido]methylen-5-Methyl-2,3-Dihydrobenzimidazol.** Sm. 199—200° (B. 24, 2517). — **IV**, 624.
- C<sub>27</sub>H<sub>24</sub>O** C 89,0 — H 6,6 — O 4,4 — M. G. 364.
- C<sub>27</sub>H<sub>24</sub>O<sub>2</sub>** 1) **TetrahydroisoolepidenP** Sm. 132° (J. 1877, 395). — **III**, 696.  
 2) **Dibenzyläther d.  $\alpha\alpha$ -Dioxydiphenylmethan.** Sm. 104—105° (Soc. 69, 902).
- C<sub>27</sub>H<sub>24</sub>O<sub>3</sub>** C 81,8 — H 6,0 — O 12,1 — M. G. 396.  
 1) **Aethylester d. 4-Keto-1,2,6-Triphenyl-1,2,3,4-Tetrahydrobenzol-3-Carbonsäure.** Sm. 184° (A. 281, 68). — **II**, 1730.
- C<sub>27</sub>H<sub>24</sub>O<sub>5</sub>** C 75,7 — H 5,6 — O 18,7 — M. G. 428.
- C<sub>27</sub>H<sub>24</sub>O<sub>6</sub>** 1)  **$\alpha$ -[4-Isopropylbenzoat]- $\beta$ -Methyläther d.  $\alpha\beta$ -Dioxy- $\gamma\delta$ -Diketo- $\alpha\delta$ -Diphenyl- $\alpha$ -Buten.** Sm. 112° (B. 27, 715). — **III**, 317.  
 2) **Verbindung** (aus 3,5-Dioxy-1-Methylbenzol) (J. pr. [2] 26, 56). — **II**, 960.  
 C 72,9 — H 5,4 — O 21,6 — M. G. 444.
- C<sub>27</sub>H<sub>24</sub>O<sub>6</sub>** 1) **Dimethylester d.  $\alpha\alpha$ -Diketo- $\alpha\gamma\epsilon$ -Triphenylpentan- $\beta\delta$ -Dicarbonsäure.** Sm. 113° (B. 18, 2376). — **II**, 2039.
- C<sub>27</sub>H<sub>24</sub>O<sub>8</sub>** C 68,1 — H 5,0 — O 26,9 — M. G. 476.
- C<sub>27</sub>H<sub>24</sub>O<sub>9</sub>** 1) **Erythrocentaurin.** Sm. 136° (Z. 1866, 336; J. 1870, 877). — **III**, 631.  
 C 65,8 — H 4,9 — O 29,2 — M. G. 492.
- C<sub>27</sub>H<sub>24</sub>N<sub>7</sub>** 1) **Tribenzoat d. Glykose (H. 14, 345).** — **II**, 1143.  
 C 86,2 — H 6,4 — N 7,4 — M. G. 376.  
 1) **Hydrocinnamid mit  $\frac{1}{2}$ H<sub>2</sub>O.** Sm. 106° (131° wasserfrei). HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>2</sub>), HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, Laktat, 2 + AgNO<sub>3</sub> (J. pr. [1] 27, 309; A. 34, 173; B. 17, 2110; B. [3] 19, 270). — **III**, 60.  
 2)  **$\alpha$ -Phenylhydrazon- $\alpha$ -Diphenyl- $\alpha\gamma\beta$ -Nonatetraän.** Sm. 166° (B. 18, 2325). — **IV**, 779.  
 3) **2,3-Diphenyl-1-Benzyl-1,2,3,4-Tetrahydro-1,3-Benzodiazin.** Sm. 120° (B. 27, 3244). — **IV**, 637.  
 4) **Diphenylaminokrolein** (B. 15, 1158). — **II**, 445.
- C<sub>27</sub>H<sub>24</sub>N<sub>4</sub>** 1) **Di[ $\beta$ -Benzyliden- $\alpha$ -Phenylhydrazido]methan.** Sm. 134—135° (Soc. 69, 1285). — **IV**, 751.
- C<sub>27</sub>H<sub>24</sub>S<sub>2</sub>** 2) **Mauvein.** HCl, (2HCl, PtCl<sub>2</sub>), (HCl, AuCl<sub>2</sub>), HBr, HJ, H<sub>2</sub>SO<sub>4</sub>, Acetat, Carbonat (J. 1859, 756, 759; 1863, 420; Soc. 35, 717). — **III**, 678.
- C<sub>27</sub>H<sub>24</sub>N** 1)  **$\alpha$ -Trithiosimmtaldehyd.** Sm. 167° (B. 24, 1452). — **III**, 60.  
 2)  **$\beta$ -Trithiosimmtaldehyd.** Sm. 213° (B. 24, 1453). — **III**, 60.
- C<sub>27</sub>H<sub>23</sub>N<sub>3</sub>** C 89,3 — H 6,9 — N 3,8 — M. G. 363.
- C<sub>27</sub>H<sub>23</sub>N<sub>3</sub>** 1)  **$\beta$ -Dibenzylamidodiphenylmethan** (Soc. 41, 198). — **II**, 635.  
 C 82,9 — H 6,4 — N 10,7 — M. G. 391.
- C<sub>27</sub>H<sub>23</sub>N<sub>3</sub>** 1)  **$\alpha$ -Phenyl- $\beta$ -Benzyliden- $\alpha$ -[2-Benzylindobenzyl]hydrazin.** Sm. 140 bis 142° (B. 27, 3243). — **IV**, 1130.
- C<sub>27</sub>H<sub>24</sub>O** C 88,5 — H 7,1 — O 4,4 — M. G. 366.  
 1) **Keton** (aus Methyl-4-Methylphenylketon). Sm. 168° (J. pr. [2] 41, 405). — **III**, 264.  
 C 78,2 — H 6,3 — O 15,5 — M. G. 414.
- C<sub>27</sub>H<sub>24</sub>O<sub>4</sub>** 1) **Acetat d.  $\alpha\epsilon$ -Diketo- $\gamma$ -[2-Oxyphenyl]- $\alpha\epsilon$ -Di[4-Methylphenyl]pentan.** Sm. 95° (B. 29, 243). — **III**, 308.  
 2) **Aethylester d.  $\alpha$ -Acetyl- $\gamma$ -Benzoyl- $\beta\gamma$ -Diphenylbuttersäure.** Sm. 123° (A. 281, 65). — **II**, 1915.
- C<sub>27</sub>H<sub>24</sub>O<sub>6</sub>** 1) **Tribenzyliden-d-Idit.** Sm. 224—228° (cor.) (B. 28, 1982).  
 2) **Tribenzyliden-l-Idit.** Sm. 224—228° (cor.) (B. 28, 1979). — **III**, 9.  
 3) **Tribenzyliden-d-Mannit.** Sm. 207° u. Zers. (218—222°) (A. ch. [6] 22, 420; B. 28, 1979). — **III**, 9.  
 4) **Tribenzyliden-l-Mannit.** Sm. 190—192° (B. 27, 1530). — **III**, 9.  
 5) **Tribenzyliden-d-Talit.** Sm. 210° (cor.) (B. 27, 1528). — **III**, 9.  
 6) **Tribenzyliden-l-Talit.** Sm. 210° (cor.) (B. 27, 1529). — **III**, 9.  
 C 70,1 — H 5,6 — O 24,3 — M. G. 462.
- C<sub>27</sub>H<sub>24</sub>O<sub>7</sub>** 1) **Verbindung** (aus Phloretinsäure) (A. 172, 355). — **II**, 1570.  
 C 65,6 — H 5,3 — O 29,1 — M. G. 494.
- C<sub>27</sub>H<sub>24</sub>O<sub>8</sub>** 1) **Dibenzoat d. Salicin** (A. 154, 7). — **III**, 609.

- $C_{17}H_{20}O_1$ , 1) Tri- $\beta$ -Methoxybenzoat d.  $\alpha\beta\gamma$ -Trioxypipran. Sm. 103,5° (B. 24, 77). — II. 1526.  
3) Tri- $\beta$ -Oxy-3-Methylbenzoat d.  $\alpha\beta\gamma$ -Trioxypipran. Sm. 115° (B. 24, 77). — II. 1546.
- $C_{17}H_{20}O_1$ , C 61,8 — H 4,9 — O 33,5 — M. G. 328.  
1) Verbindung  $-1^1, H_2O$  aus Fusocophobaphen: Z. 1870, 179). — III. 689.
- $C_{17}H_{20}O_1$ , C 59,8 — H 4,8 — O 33,4 — M. G. 342.
- 1) Fusocophobaphen (Z. 1870, 177). — III. 689.  
2) Glaukophanäsäure. Sm. 158—159°. Na (A. 297, 55).
- $C_{17}H_{20}O_1$ , C 54,0 — H 4,4 — O 40,7 — M. G. 350.  
1) Violakericitrin (oder  $C_{17}H_{20}O_1$ ) (J. 1883, 1369; Soc. 73, 700). — III. 615.
- $C_{17}H_{20}N$ , C 58,5 — H 7,4 — N 3,5 — M. G. 365.
- $C_{17}H_{20}N$ , 1) Tri- $\beta$ -Phenylpropenylamin. Sm. 89°. HCl (B. 26, 1864). — II. 585.  
C 52,4 — H 6,9 — N 10,7 — M. G. 363.
- 1, L, 3, 5-Tri- $\beta$ -Methylphenylamido benzol. Sm. 186—187°. HCl, 2HCl, (2HCl, PtCl<sub>4</sub>) (G. 20, 325). — IV. 1125.
- 2) trimolec. Dihydrochinolin. Sm. unerh. 80° (C. 1896 [1] 1126).  
C 77,9 — H 6,7 — O 15,4 — M. G. 416.
- 1) Diathylester d.  $\alpha\beta\gamma$ -Triphenylpropan- $\gamma$ -Dicarbonsäure. Sm. bei 95° (B. 31, 394).
- $C_{17}H_{20}O_1$ , C 74,0 — H 6,5 — O 15,5 — M. G. 432.  
1) Benzoylguajakharzsäure (oder  $C_{14}H_{14}O_4$ ). Sm. 131° (C. 1897 [1] 167; M. 19, 715).
- 2) Benzoat d. Bidurochinon. Sm. 142—143° (B. 29, 2183).  
C 67,5 — H 5,8 — O 26,7 — M. G. 486.
- 1) Verbindung (aus d. Verb.  $C_{17}H_{20}O_1$ ) +  $H_2O$ . Sm. 142—143° wasserfrei (G. 24 [1] 363).
- $C_{17}H_{20}O_1$ , C 61,4 — H 5,3 — O 33,3 — M. G. 328.
- 1) Gerbstoff aus Erlenholz. Pb, 2Cu +  $C_6H_5OH_2$  (J. 1870, 558). — III. 590.
- $C_{17}H_{20}O_1$ , C 53,3 — H 4,6 — O 42,1 — M. G. 608.
- 1) Myrticolorin. Sm. 179° (Soc. 73, 695).  
C 65,1 — H 6,6 — O 28,9 — M. G. 488.
- 1) Lecanorol +  $H_2O$ . Sm. 90—95° (A. 295, 259).  
2) Dimethylester d. Eupittonsäure. Sm. 242° (B. 12, 2219). — II. 2092.
- 3) Verbindung (aus d. Flechte Lecanora sulphurea) +  $H_2O$ . Sm. 92—93° (123—124° wasserfrei). Ag (G. 24 [1] 281).  
C 57,6 — H 5,3 — O 37,0 — M. G. 502.
- 1) Triacetylphloridzin +  $H_2O$  (A. 156, 51). — III. 600.
- $C_{17}H_{20}O_1$ , C 56,1 — H 5,2 — O 35,7 — M. G. 578.
- 1) Pseudobaptisin +  $1^1, H_2O$ . Sm. 247—248°. +  $CH_4O$  +  $1^1, H_2O$  (C. 1897 [2] 1077).  
C 51,7 — H 4,8 — O 43,3 — M. G. 626.
- 1) Oxyritrin. Sm. 150—155° (Soc. 71, 1132; 73, 700).  
C 54,8 — H 7,9 — N 7,3 — M. G. 382.
- 1, 2, 4-Di- $\beta$ -Isopropylbenzylidenamido-1-Methylbenzol. Sm. oberh. 99° u. Zers. (A. 253, 331). — IV. 607.
- $C_{17}H_{20}N$ , C 51,6 — H 7,8 — N 10,6 — M. G. 397.
- 1) Oenanthylienenrosanilin. (2HCl, PtCl<sub>4</sub>),  $HAsO_4$  (Z. 1867, 176). — II. 1093.  
2)  $\alpha$ -[4-Aramidophenyl]- $\alpha\alpha$ -Di- $\beta$ -Methyl-1, 2, 3, 4-Tetrahydrochinolyl-6-methan (B. 24, 1717). — IV. 1212.  
C 53,5 — H 8,2 — O 8,2 — M. G. 388.
- 1) Phenylidithymolmethan. Sm. 165,5—166,5° (B. 22, 1947). — II. 1004.
- $C_{17}H_{20}O_1$ , C 52,9 — H 5,2 — O 41,8 — M. G. 610.
- 1) Apitin. Sm. 22° (A. 48, 349; 74, 262; B. 9, 1121, 1124; Soc. 71, 806). — III. 571.  
2) Rutin +  $2H_2O$ . Sm. oberh. 190°. Ph. (A. 53, 385; 82, 200; 98, 123; 123, 145; J. 1859, 528; 1862, 498; 1863, 594; 1865, 587; J. pr. [1] 58, 390; [1] 85, 351; [1] 88, 280; B. 15, 217; Soc. 53, 264; 67, 31; C. 1896 [2] 501). — III. 607.
- $C_{17}H_{20}N$ , C 78,6 — H 7,5 — N 13,6 — M. G. 412.  
1) Phenylhydrazone d. Aethyleinchonin. Sm. 152—153° (B. 27, 1187). — IV. 795.

- C<sub>27</sub>H<sub>33</sub>N<sub>3</sub>** C 81,2 — H 8,3 — N 10,5 — M. G. 399.  
 1) **Triäthyletri[4-Methylphenyl]triamin.** Sm. 186° (*J. 1873*, 698). — **III, 488.**
- C<sub>27</sub>H<sub>33</sub>Cl<sub>3</sub>** 1) **Verbindung (aus Wachs)** (*A. 67*, 211).
- C<sub>27</sub>H<sub>33</sub>Br** 1) **Wismuthtri[4-Isopropylphenyl].** Sm. 159° (*B. 30*, 2847). — **IV, 1699.**  
 C 60,7 — H 6,3 — O 33,0 — M. G. 534.
- C<sub>27</sub>H<sub>34</sub>O<sub>11</sub>** 1) **Phillyrin + 1<sup>1</sup>/<sub>2</sub>H<sub>2</sub>O.** Sm. 160° (*A. 92*, 109; *108*, 124). — **III, 600.**  
 C 83,9 — H 8,8 — N 7,3 — M. G. 386.
- C<sub>27</sub>H<sub>34</sub>N<sub>2</sub>** 1) **4',4'-Di[Diäthylamido]triphenylmethan.** Sm. 62°. (2HCl, PtCl<sub>4</sub> + 3H<sub>2</sub>O) (*A. 217*, 263). — **IV, 1042.**
- C<sub>27</sub>H<sub>35</sub>N<sub>3</sub>** 1) **2'-Amido-2',2'-Di[Diäthylamido]triphenylmethan.** Sm. 136° (*B. 17*, 1894). — **IV, 1193.**  
 2) **4'-Amido-4',4'-Di[Diäthylamido]triphenylmethan.** Sm. 118° (*B. 19*, 747). — **IV, 1195.**  
 3) **P-Tri[Dimethylamido]-P-Dimethyltriphenylmethan** (*B. 24*, 561). — **IV, 1198.**
- C<sub>27</sub>H<sub>35</sub>Cl<sub>3</sub>** 1) **Verbindung (aus Wachs)** (*A. 67*, 211).
- C<sub>27</sub>H<sub>37</sub>Cl<sub>11</sub>** 1) **Undekachlorcholestan** (*M. 15*, 101).  
 C 73,3 — H 8,6 — O 18,1 — M. G. 442.
- C<sub>27</sub>H<sub>39</sub>O<sub>5</sub>** 1) **Salicylsäurecampher.** Sm. 60° (*Bl. [3] 4*, 727). — **III, 488.**  
 C 68,4 — H 8,0 — O 23,6 — M. G. 474.
- C<sub>27</sub>H<sub>39</sub>O<sub>7</sub>** 1) **Anhydrid d. Erythropleinsäure** (oder C<sub>27</sub>H<sub>40</sub>O<sub>7</sub>) (*C. 1897* [1] 301).  
 C 56,9 — H 6,6 — O 36,5 — M. G. 570.
- C<sub>27</sub>H<sub>40</sub>O<sub>13</sub>** 1) **Cyclamin** (*C. 1897* [1] 230).
- C<sub>27</sub>H<sub>40</sub>O** 1) **C 85,3 — H 10,5 — O 4,2 — M. G. 380.**
- C<sub>27</sub>H<sub>40</sub>O<sub>2</sub>** 1) **Oxycholesterylen.** Sm. 112° (*M. 17*, 596).  
 C 81,8 — H 10,1 — O 8,1 — M. G. 396.
- 1) **Oxycholestenon.** Sm. 122—123° (*M. 17*, 584).  
 2) **Formiat d. Ergosterin.** Sm. 154° (*A. ch. [6] 20*, 294). — **II, 1075.**  
 C 73,0 — H 9,0 — O 18,0 — M. G. 444.
- 1) **Verbindung (aus Cholesterin).** Sm. 171° (*M. 17*, 593).  
 C 65,9 — H 8,1 — O 26,0 — M. G. 492.
- 1) **Cerberin.** Sm. 191—192° u. Zers. (*R. 12*, 26). — **III, 573.**  
 2) **Tangerin.** Ba. (*J. 1889*, 2031). — **III, 649.**
- 3) **Erythropleinsäure** (oder C<sub>27</sub>H<sub>40</sub>O<sub>6</sub>) (*C. 1897* [1] 301).  
 C 61,8 — H 7,6 — O 30,5 — M. G. 524.
- 1) **Dimethylester d. Pseudocholoidansäure** C<sub>25</sub>H<sub>38</sub>O<sub>10</sub>. Sm. 194—196° (*B. 19*, 1528). — **I, 727.**  
 C 81,4 — H 10,5 — O 8,0 — M. G. 398.
- 1) **α-Oxycholestenol.** Sm. bei 180° (*M. 17*, 582).  
 2) **β-Oxycholestenol.** Sm. 157° (*M. 17*, 595).  
 C 78,2 — H 10,1 — O 11,6 — M. G. 414.
- 1) **Oxycholesterol.** Sm. 231° (*M. 17*, 590).  
 2) **Verbindung (aus Diacetylcapronsäureäthylester).** Sd. 320—330°<sub>55</sub> (*Soc. 57*, 26). — **I, 694.**  
 C 72,6 — H 9,4 — O 17,9 — M. G. 446.
- 1) **Säure (aus Cholesterin).** Cu (*M. 17*, 590).  
 C 67,8 — H 8,8 — O 23,4 — M. G. 478.
- 1) **Dimethylester d. Cholansäure + 1/4H<sub>2</sub>O.** Sm. 174—176°. Pb (*B. 19*, 477). — **II, 2017.**  
 2) **Monäthylester d. Cholansäure + 1/4H<sub>2</sub>O.** Sm. 188—190°. Ba, Pb (*B. 19*, 478). — **II, 2017.**
- C<sub>27</sub>H<sub>43</sub>O<sub>10</sub>** C 61,6 — H 8,0 — O 30,4 — M. G. 526.  
 1) **Antiarin + 4H<sub>2</sub>O.** Sm. 225° (*A. 28*, 304; *Z. 1869*, 351; *C. 1896* [2] 591). — **III, 570.**  
 2) **Leukoglykodrin** (oder C<sub>27</sub>H<sub>44</sub>O<sub>10</sub>) (*C. 1896* [1] 561).  
 C 58,0 — H 7,5 — O 35,4 — M. G. 558.
- C<sub>27</sub>H<sub>43</sub>O<sub>12</sub>** 1) **Argyräscin** (*J. 1862*, 489; *1867*, 751). — **III, 572.**
- C<sub>27</sub>H<sub>43</sub>Cl** 1) **Sitosterylchlorid.** Sm. 87,5° (*M. 18*, 561).
- C<sub>27</sub>H<sub>44</sub>O** 1) **Sitosterin + H<sub>2</sub>O.** Sm. 137,5° (*M. 18*, 553).  
 2) **Parasitosterin.** Sm. 127,5° (*M. 18*, 566).  
 C 77,9 — H 10,6 — O 11,5 — M. G. 416.
- 1) **Verbindung (aus Cholestrylacefat).** Sm. 217—218° u. Zers. (*M. 17*, 598).

- C<sub>27</sub>H<sub>44</sub>O<sub>4</sub>** C 75,0 — H 10,2 — O 14,8 — M. G. 432.  
 1) **Chenocholsäure.** Ba (*J. 1859*, 635; *A. 149*, 196).  
**C<sub>27</sub>H<sub>44</sub>Br<sub>2</sub>** 1) **Sitostendibromid.** Sm. 105—110° (*M. 18*, 565).  
**C<sub>27</sub>H<sub>45</sub>O<sub>15</sub>** 1) **Digitalin** = (C<sub>27</sub>H<sub>44</sub>O<sub>15</sub>)<sub>x</sub> (*J. 1875*, 776). — **III, 581.**  
**C<sub>27</sub>H<sub>45</sub>Cl<sub>2</sub>** 1) **Trichlorcholestan.** Sm. 106° (*M. 15*, 100).  
**C<sub>27</sub>H<sub>46</sub>O** C 83,9 — H 11,9 — O 4,1 — M. G. 386.  
 1) **Cholesterin** + H<sub>2</sub>O (oder C<sub>27</sub>H<sub>44</sub>O). Sm. 148,5° (145—146°). Na, K. Lit. bedeutend. — **II, 1071.**  
 2) **Verbindung** (Keton aus Isovaleriansäure). Sd. 240—260° (*A. 202*, 329).  
**C<sub>27</sub>H<sub>46</sub>O<sub>2</sub>** C 80,6 — H 11,4 — O 8,0 — M. G. 402.  
 1) **Acetat** d. **Ilicylalkohol.** Sm. 204—206° (*Bl. 42*, 152). — **II, 1069.**  
 2) **Acetat** d. **Alkohol** C<sub>28</sub>H<sub>44</sub>O (aus Sesamöl). Sm. 130—131° (*C. 1897* [2] 773).  
**C<sub>27</sub>H<sub>46</sub>O<sub>5</sub>** C 72,0 — H 10,2 — O 17,8 — M. G. 450.  
 1) **α-Scumynol.** Sm. 100—101° (*H. 24*, 340).  
**C<sub>27</sub>H<sub>46</sub>O<sub>14</sub>** C 54,5 — H 7,7 — O 37,7 — M. G. 594.  
 1) **Digitonin.** Sm. 235° (*B. 24*, 339; 3954; **26** [2] 686; **32**, 341). — **III, 581.**  
**C<sub>27</sub>H<sub>46</sub>Cl<sub>2</sub>** 1) **Dichlorcholestan.** Sm. 119—120° (*M. 15*, 95).  
**C<sub>27</sub>H<sub>46</sub>Br<sub>2</sub>** 1) **α-Dibromcholestan.** Sm. 141—142° (*M. 15*, 90).  
 2) **β-Dibromcholestan.** Sm. 106° (*M. 15*, 90).  
**C<sub>27</sub>H<sub>46</sub>O** C 83,5 — H 12,4 — O 4,1 — M. G. 388.  
 1) **Koprosterin** (Stercorin). Sm. 95—96° (*B. 29*, 476; *H. 22*, 397; **23**, 363; **24**, 395).  
**C<sub>27</sub>H<sub>46</sub>O<sub>8</sub>** C 79,4 — H 12,7 — O 7,8 — M. G. 408.  
 1) **Cerotolsäure.** Sm. 70° (*A. 271*, 223).  
**C<sub>27</sub>H<sub>46</sub>O** C 82,2 — H 13,7 — O 4,1 — M. G. 394.  
 1) **Myriston** (Tridekylketon). Sm. 76,3° (75°) (*A. 84*, 290; *B. 15*, 1713; *Soc. 63*, 458). — **I, 1006.**  
 2) **Hippokoprosterin** (oder C<sub>27</sub>H<sub>46</sub>O). Sm. 74—75° (*H. 22*, 409).  
**C<sub>27</sub>H<sub>46</sub>O<sub>4</sub>** C 79,0 — H 13,2 — O 7,8 — M. G. 410.  
 1) **Cerotinsäure** (siehe auch C<sub>26</sub>H<sub>44</sub>O<sub>2</sub> u. C<sub>26</sub>H<sub>44</sub>O<sub>4</sub>). Sm. 78°. Na, K, Mg, Cu, Pb, Ag (*A. 67*, 180; **224**, 237; **271**, 225; *Z. 1868*, 415; *1869*, 65; *Bl. 42*, 201; [*3*] 11, 908; *M. 3*, 677; *B. 7*, 1453; **27** [2] 79; **29**, 2897). — **I, 448.**  
 2) **Säure** (aus Bienenwachs). Sm. 78,5°. Pb (*A. 235*, 143). — **I, 449.**  
 3) **Säure** (aus Wollfettwachs). Sm. 79°. Mg (*B. 31*, 103).  
 4) **Aesthylerol** d. **Cerotinsäure.** Sm. 60,5° (*C. 1896* [1] 642).  
**C<sub>27</sub>H<sub>46</sub>O<sub>3</sub>** C 76,0 — H 12,7 — O 11,3 — M. G. 426.  
**C<sub>27</sub>H<sub>46</sub>O** 1) **Oxycerotinsäure.** Sm. 82° (*A. 271*, 222).  
 C 81,8 — H 14,1 — O 4,0 — M. G. 396.  
 1) **Cerylalkohol** (siehe auch C<sub>26</sub>H<sub>44</sub>O). Sm. 79° (*A. 67*, 201; **271**, 224; *Soc. 57*, 198; *G. 25* [1] 44; *B. 3*, 630; **29**, 2895). — **I, 241.**  
 2) **Isocerylalkohol.** Sm. 62° (*B. 11*, 2113). — **I, 241.**  
 3) **Dimyristylecarbinol** (Ditridekylcarbinol). Sm. 80,5—81,5° (*Soc. 63*, 459).  
 4) **Alkohol** (aus Bienenwachs) (*A. 235*, 142). — **I, 241.**  
 5) **Alkohol** (aus Carnaubawache) (*A. 223*, 203). — **I, 241.**

### C<sub>27</sub>-Gruppe mit drei Elementen.

- C<sub>27</sub>H<sub>45</sub>O<sub>4</sub>Br<sub>2</sub>** 1) **Tri[4-Brombenzoat]** d. **1,2,3-Trioxobenzol.** Sm. 140° (*Am. 9*, 86). — **II, 1223.**
- C<sub>27</sub>H<sub>46</sub>O<sub>4</sub>Cl<sub>2</sub>** 1) **Tribenzoat** d. **2-Dichlor-1,2,3-Trioxobenzol.** Sm. 165° (*G. 28* [1] 225).  
**C<sub>27</sub>H<sub>47</sub>O<sub>5</sub>N** C 70,4 — H 4,2 — O 11,9 — N 3,5 — M. G. 403.  
 1) **Anhydrid** d. **2-Nitrophenyldi[2-Oxynaphthyl]methan.** Zers. oberh. 250° (*G. 23* [2] 216). — **II, 1009.**  
 2) **Anhydrid** d. **3-Nitrophenyldi[2-Oxynaphthyl]methan.** Sm. 220° (*G. 23* [2] 218). — **II, 1009.**  
 3) **Anhydrid** d. **4-Nitrophenyldi[2-Oxynaphthyl]methan.** Zers. bei 260° (*G. 23* [2] 221). — **II, 1009.**
- C<sub>27</sub>H<sub>47</sub>O<sub>4</sub>N** C 77,3 — H 4,1 — O 15,3 — N 3,3 — M. G. 419.  
 1) **Dibenzoat** d. **2,4-Dioxyakridin.** Sm. 163° (*B. 25*, 1759). — **IV, 407.**

- C<sub>27</sub>H<sub>17</sub>O<sub>6</sub>N<sub>2</sub>** C 67,6 — H 3,6 — O 20,0 — N 8,8 — M. G. 479.  
 1) *αβγ-Tri[1,2-Phtalylamido]propan*. Sm. 226—227° (B. 25, 3057). — **II**, 1807.
- C<sub>27</sub>H<sub>17</sub>O<sub>6</sub>Cl** 1) *Tribenzoat d. P-Chlor-1,2,3-Trioxobenzol*. Sm. 140° (G. 28 [1] 225). C 78,3 — H 4,3 — O 3,9 — N 13,5 — M. G. 414.
- C<sub>27</sub>H<sub>18</sub>ON<sub>4</sub>** 1) *Verbindung* (aus 2-Phenylbenzimidazol-2'-Carbonsäure). Sm. 277°, 2HCl + 2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (A. 205, 121; 210, 340; B. 11, 297). — **IV**, 1021. C 80,6 — H 4,5 — O 8,0 — N 6,9 — M. G. 402.
- C<sub>27</sub>H<sub>18</sub>O<sub>7</sub>N<sub>2</sub>** 1) *Methyläther d. 4-Oxynaphthindon*. Sm. oberh. 330° (A. 272, 345). — **IV**, 1085.
- C<sub>27</sub>H<sub>18</sub>O<sub>7</sub>Cl<sub>2</sub>** 1) *Di[2-Naphthaläther] d. 2,5-Dichlor-1-Dioxymethylbenzol*. Sm. bei 205° u. Zers. (A. 299, 348).
- C<sub>27</sub>H<sub>18</sub>O<sub>3</sub>N<sub>2</sub>** C 77,5 — H 4,3 — O 11,5 — N 6,7 — M. G. 418.
- C<sub>27</sub>H<sub>18</sub>O<sub>4</sub>N<sub>4</sub>** 1) *1-Nitro-2,2-Dinaphthylamid d. Benzolcarbonsäure*. Sm. 168°. + C<sub>6</sub>H<sub>6</sub> (Sm. 95°) (B. 20, 2625). — **II**, 1168.
- C<sub>27</sub>H<sub>18</sub>O<sub>4</sub>N<sub>4</sub>** 1) *6,8-Diphenylazo-5,7-Dioxy-2-Phenyl-1,4-Benzopyron* (Diphenylazo-chrysin). Sm. 251—252° (Soc. 73, 669). — **IV**, 1482.
- C<sub>27</sub>H<sub>18</sub>O<sub>5</sub>N<sub>4</sub>** 1) *6,8-Diphenylazo-5,7-Dioxy-2-[4-Oxophenyl]-1,4-Benzopyron* (Diphenylazoapigenin). Sm. 290—292° (Soc. 71, 808; 73, 667). — **IV**, 1482. C 67,8 — H 3,8 — O 16,7 — N 11,7 — M. G. 478.
- C<sub>27</sub>H<sub>18</sub>O<sub>6</sub>N<sub>6</sub>** 1) *Dinitroderivat d. Verbindung* C<sub>27</sub>H<sub>18</sub>O<sub>3</sub>N<sub>4</sub>. Sm. 200°. + C<sub>6</sub>H<sub>4</sub>O<sub>2</sub> (Sm. 130°) (B. 26, 1188). — **IV**, 1225.
- C<sub>27</sub>H<sub>18</sub>O<sub>7</sub>N<sub>2</sub>** C 67,2 — H 3,7 — O 23,2 — N 5,8 — M. G. 482.
- C<sub>27</sub>H<sub>18</sub>O<sub>7</sub>N<sub>2</sub>** 1) *Lycointonisäure*. Sm. 146,1—148,6° (J. 1884, 1394). — **III**, 776.
- C<sub>27</sub>H<sub>18</sub>O<sub>7</sub>N<sub>4</sub>** C 63,5 — H 3,5 — O 22,0 — N 11,0 — M. G. 510.
- C<sub>27</sub>H<sub>19</sub>ON** 1) *Diphenylazomorfin* (Soc. 73, 670). — **IV**, 1482.
- C<sub>27</sub>H<sub>19</sub>ON** C 86,9 — H 5,1 — O 4,3 — N 3,7 — M. G. 373.
- C<sub>27</sub>H<sub>19</sub>ON** 1) *2,2-Dinaphthylamid d. Benzolcarbonsäure*. Sm. 173° (B. 17, 1593, 2030). — **II**, 1168.
- C<sub>27</sub>H<sub>19</sub>ON<sub>3</sub>** C 80,8 — H 4,7 — O 4,0 — N 10,5 — M. G. 401.
- C<sub>27</sub>H<sub>19</sub>ON<sub>3</sub>** 1) *4-Benzoylamido-1-Y-Azonaphthalin* (A. 129, 112). — **IV**, 1390.
- C<sub>27</sub>H<sub>19</sub>ON<sub>3</sub>** 2) *Benzoylamido-β-Azonaphthalin*. Sm. 177° (B. 18, 2423). — **II**, 1391.
- C<sub>27</sub>H<sub>19</sub>O<sub>2</sub>N** C 83,3 — H 4,9 — O 8,2 — N 3,6 — M. G. 389.
- C<sub>27</sub>H<sub>19</sub>O<sub>2</sub>N** 1) *2,5-Diphenyl-1-[1-Naphthyl]pyrrol-3-Carbonsäure*. Sm. 271,5—272° (B. 22, 3091). — **IV**, 449.
- C<sub>27</sub>H<sub>19</sub>O<sub>2</sub>N** 2) *2,5-Diphenyl-1-[2-Naphthyl]pyrrol-3-Carbonsäure*. Sm. 350° (B. 22, 3032). — **IV**, 450.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** C 77,7 — H 4,6 — O 7,7 — N 10,0 — M. G. 417.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** 1) *1,3-Dibenzoyl-2-Phenylimido-2,3-Dihydrobenzimidazol*. Sm. 171° (B. 24, 2502). — **IV**, 566.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** C 80,0 — H 4,7 — O 11,8 — N 3,5 — M. G. 405.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** 1) *4-Oxy-5-Keto-3-Benzoyl-2-Phenyl-1-[2-Naphthyl]-2,5-Dihydro-pyrrol*. Zers. bei 252—254° (B. 31, 1308).
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** C 74,8 — H 4,4 — O 11,1 — N 9,7 — M. G. 433.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** 1) *Benzoat d. 6-Phenylhydrazen-5-Oxy-3-Methyl-1-Phenylbenzoxazol*. Sm. 171° (M. 18, 505). — **IV**, 1448.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** C 76,9 — H 4,5 — O 15,2 — N 3,3 — M. G. 421.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** 1) *2-Nitrophenyldi[2-Oxynaphthyl]methan*. Sm. 207° (G. 23 [2] 216). — **II**, 1009.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** 2) *3-Nitrophenyldi[2-Oxynaphthyl]methan*. Sm. 184° (G. 23 [2] 218). — **II**, 1009.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** 3) *Methyläther d. Fluoresceinanilid*. Sm. 280° (B. 28, 397). — **II**, 2062.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>Cl** 1) *Verbindung* + H<sub>2</sub>O (aus Benzaldehyd u. α-Hydronaphthochinon) (J. pr. [2] 49, 551). — **III**, 6.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** C 65,2 — H 3,8 — O 22,5 — N 8,4 — M. G. 497.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** 1) *Benzocat d. 3-[P-Dinitro-4-Methylphenyl]benzoylamido-1-Oxybenzol*. Sm. 110° (J. pr. [2] 33, 215). — **II**, 1177.
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** 2) *1,4-Benzochinonimidobenzol-3-Carbonsäuredi[Amidobenzol-3-Carbonsäure]* (Bl. [3] 15, 1027).
- C<sub>27</sub>H<sub>19</sub>O<sub>3</sub>N<sub>3</sub>** 3) *Verbindung* (aus 1,4-Benzochinondiamidobenzoësäure). Sm. bei 115° u. Zers. (Bl. [3] 13, 748). — **III**, 343.

- $C_{27}H_{30}ON_2$  C 83,5 — H 5,2 — O 4,1 — N 7,2 — M. G. 388.  
 1)  $\alpha$ -Phenyl- $\beta\beta$ -Di[2-Naphthyl]harnstoff. Sm. 179° (181—182°) (B. 17, 3039; 23, 429). — II, 618.
- $C_{27}H_{30}O_2N_2$  C 80,2 — H 4,9 — O 7,9 — N 6,9 — M. G. 404.  
 1) 2,3-Difuranyl-4-[4-Methylphenyl]-1,4-Dihydro-1,4-Naphtisodiazin. Sm. 180° (B. 25, 2846). — IV, 1080.
- $C_{27}H_{30}O_2N_4$  C 75,0 — H 4,6 — O 7,4 — N 13,0 — M. G. 432.  
 1) Benzoylelderivat d. Verb.  $C_{26}H_{16}ON_4$ . Sm. 172° (B. 26, 1187). — IV, 1225.  
 2) Verbindung (aus 2-Phenylimido-4-Keto-3-Phenyl-1,2,3,4-Tetrahydro-1,3-Benzodiazin). Sm. 127° (Am. 21, 154).
- $C_{27}H_{30}O_4N_2$  C 74,3 — H 4,6 — O 14,7 — N 6,4 — M. G. 436.  
 1) Benzoat d. 2,4-Di[Benzoylamido]-1-Oxybenzol. Sm. 231—233° (A. 205, 69). — II, 1178.  
 2) Benzoat d. 2,6-Di[Benzoylamido]-1-Oxybenzol. Sm. 183—184° (A. 205, 83). — II, 1178.
- $C_{27}H_{30}O_5N_2$  C 71,7 — H 4,4 — O 17,7 — N 6,2 — M. G. 452.  
 1) Di[4-Benzoylamidophenylester] d. Kohlensäure. Sm. 220° u. Zers. (C. 1897 [1] 469).
- $C_{27}H_{30}O_5S$  1) Phenylidi-1-Oxy-P-Naphtyl]methan-3-Sulfonsäure. Ba (B. 24, 795). — II, 1009.
- $C_{27}H_{30}O_6N_4$  C 65,3 — H 4,0 — O 19,3 — N 11,3 — M. G. 496.  
 1) Diphenylasocyanomakurin (Soc. 67, 942). — III, 684.
- $C_{27}H_{31}ON_3$  C 80,4 — H 5,2 — O 4,0 — N 10,4 — M. G. 403.  
 1)  $\alpha$ -Phenyl- $\beta$ -Benzylidenhydrasid d. 2-Benzylidenamidobenzol-1-Carbonsäure. Sm. 150—151° (A. 301, 92).
- $C_{27}H_{31}O_2N$  C 82,8 — H 5,4 — O 8,2 — N 3,6 — M. G. 391.  
 1) Anhydrosibidiketohydrindenpseudocumimid (B. 30, 3143).
- $C_{27}H_{31}O_2N_2$  C 77,3 — H 5,0 — O 7,6 — N 10,0 — M. G. 419.  
 1) Diphenyldibenzoylguanidin. Sm. 102° (B. 8, 384). — II, 1173.
- $C_{27}H_{31}O_8N$  C 79,6 — H 5,2 — O 11,8 — N 3,4 — M. G. 407.  
 1) Benzoat d.  $\alpha$ -Benzoylamido-2-Oxydiphenylmethan. Sm. 176° (M. 15, 663; 16, 269).  
 2) Benzoat d. 4-[2-Methylphenyl]benzoylamido-1-Oxybenzol. Sm. 171° (J. pr. [2] 34, 61). — II, 1177.  
 3) Benzoat d. 3-[4-Methylphenyl]benzoylamido-1-Oxybenzol. Sm. 105° (J. pr. [2] 33, 215). — II, 1177.  
 4) Benzoat d. 4-[4-Methylphenyl]benzoylamido-1-Oxybenzol. Sm. 169° (J. pr. [2] 33, 228). — II, 1177.
- $C_{27}H_{31}O_5N_2$  C 74,5 — H 4,8 — O 11,0 — N 9,7 — M. G. 435.  
 1) 1,2,4-Tri[Benzoylamido]benzol. Sm. 260° (A. 254, 256). — IV, 1124.  
 2)  $\beta$ -(3-Nitrobenzyliden)hydrazone- $\alpha$ -Oxy- $\alpha\beta$ -Triphenyläthan. Sm. 123° (B. 32, 656).
- $C_{27}H_{31}O_6N_3$  C 67,1 — H 4,3 — O 19,9 — N 8,7 — M. G. 483.  
 1)  $\beta$ -Trinitrotri[4-Methylphenyl]benzol. Sm. oberh. 160° u. Zers. (J. pr. [2] 41, 406). — II, 301.  
 2) Tri[Phenylamidoformiat] d. 1,2,3-Trioxylbenzol. Sm. 173° (B. 18, 2430). — II, 1013.  
 3) Tri[Phenylamidoformiat] d. 1,3,5-Trioxylbenzol. Sm. 123° (B. 23, 269). — II, 1019.
- $C_{27}H_{31}O_7Cl$  1) Aethylester d. 3[oder 5]-Chlor-4,5[Dibenzoxyl-1,6[oder 1,3]-Dimethylbenzofuran-2-Carbonsäure. Sm. 174—175° (A. 283, 264). — III, 732.
- $C_{27}H_{31}O_9N_2$  C 61,0 — H 3,9 — O 27,1 — N 7,9 — M. G. 531.  
 1) Tribenzyläther d. 2,4,6-Trinitro-1,3,5-Trioxylbenzol. Sm. 171° (Am. 15, 632). — II, 1022.
- $C_{27}H_{31}O_7N_2$  C 79,8 — H 5,4 — O 7,9 — N 6,9 — M. G. 406.  
 1)  $\alpha\gamma$ -Di[Phenylimido]- $\beta\beta$ -Dioxy- $\alpha\gamma$ -Diphenylpropan. Sm. 148° (B. 23, 3357). — III, 316.  
 2) 4,4'-Di[2-Oxybenzylidenamido]-2-Methylbiphenyl. Sm. 160—165° (B. 28, 2550). — IV, 975.  
 3) 3-Benzoylamido-1[Benzoylbenzylamido]benzol. Sm. 178° (Soc. 55, 597). — IV, 573.

- $C_{27}H_{22}O_2N_2$  4) 4-Benzoylamido-1-[Benzoylbenzylamido]benzol. Sm. 124° (Soc. 55, 591). — IV, 586.  
 5) 7-Methyläther d. 1,7-Dioxy-1,2,3-Triphenyl-1,1-Dihydro-1,4-Benzodiazin. Sm. 163–165° (B. 29, 2682). — IV, 1079.
- $C_{27}H_{22}O_3N_2$  C 76,8 — H 5,2 — O 11,4 — N 6,6 — M. G. 422.  
 1)  $\alpha$ -Benzoylamido- $\beta$ [Benzoyl-1-Naphthoyl]amidoäthan. Sm. 161° (B. 25, 2141). — II, 1445.
- $C_{27}H_{22}O_4N_2$  C 74,0 — H 5,0 — O 14,6 — N 6,4 — M. G. 438.  
 1) Methylenligonblau (B. 31, 621).
- $C_{27}H_{22}O_5N_4$  C 67,2 — H 4,6 — O 16,6 — N 11,6 — M. G. 482.  
 1) Phloretindisazobenzol. Sm. 254 – 256° u. Zers. (Soc. 71, 1151). — IV, 1479.
- $C_{27}H_{22}O_6N_4$  C 65,1 — H 4,4 — O 19,3 — N 11,2 — M. G. 498.  
 1) Di[2-Methylphenylazo]maklurin (Soc. 67, 934). — IV, 1479.  
 2) Di[4-Methylphenylazo]maklurin (Soc. 67, 934).
- $C_{27}H_{22}N_2Cl$  1)  $\alpha$ -Benzyliden- $\beta$ [4-Chlorphenyl]- $\beta$ [2-Benzylidenamidobenzyl]hydrasin. Sm. 150° (J. pr. [2] 52, 388). — IV, 1130.
- $C_{27}H_{22}N_2Br$  1)  $\alpha$ -Benzyliden- $\beta$ [4-Bromphenyl]- $\beta$ [2-Benzylidenamidobenzyl]hydrasin. Sm. 171° (J. pr. [2] 52, 395). — IV, 1130.
- $C_{27}H_{22}ON$  C 85,9 — H 6,1 — O 4,2 — N 3,7 — M. G. 377.  
 1)  $\alpha$ -Oximido- $\alpha$ -Biphenyl- $\beta$ -Diphenylpropan. Sm. 175° (B. 21, 1340). — III, 263.
- 2) Benzyläther d. 5-Phenylakridin-10-Methoxyhydrat. Sm. 133° (J. pr. [2] 45, 200). — IV, 468.
- $C_{27}H_{22}O_2N_5$  C 77,0 — H 5,5 — O 7,6 — N 9,9 — M. G. 421.  
 1)  $\alpha\beta$ -Diphenyl- $\alpha$ -[2-Benzoylamidobenzyl]harnstoff. Sm. 170° (J. pr. [2] 55, 242). — IV, 633.
- $C_{27}H_{22}O_3N$  C 76,2 — H 5,4 — O 15,1 — N 3,3 — M. G. 425.  
 1) Diisoamylester d.  $\alpha$ -Cyan- $\alpha\beta$ -Diphenyläthan- $\alpha\beta$ -Dicarbonsäure. Fl. (B. 23, 115). — II, 1891.
- $C_{27}H_{22}O_4N_3$  C 71,5 — H 5,1 — O 14,1 — N 9,3 — M. G. 453.  
 1) o-Diphtalylidäthylen-p-Tolytriamin. Sm. 200° (B. 24, 2195). — II, 1800.
- $C_{27}H_{22}O_6N$  C 70,9 — H 5,0 — O 21,0 — N 3,1 — M. G. 457.  
 1) Triacetylhydrocyanosolsäure. Sm. 143° (A. 179, 200). — II, 1122.
- $C_{27}H_{22}ON_2$  C 82,6 — H 6,1 — O 4,1 — N 7,1 — M. G. 392.  
 1) 1-Benzyl-2-[2-Oxophenyl-3-Phenyl-1,2,3,4-Tetrahydro-1,3-Benzodiazin. Sm. 172° (B. 27, 3244). — IV, 638.
- $C_{27}H_{24}O_2N_4$  C 74,3 — H 5,5 — O 7,3 — N 12,8 — M. G. 436.  
 1)  $\alpha\beta$ -Diphenyl- $\alpha$ -[2-Phenylureidobenzyl]harnstoff. Sm. 139–140° (J. pr. [2] 55, 242). — II, 633.
- 2)  $\alpha$ -Phenyl- $\alpha\beta$ -Di[5-Keto-3-Methyl-1-Phenyl-4,5-Dihydropyrazolyl-4]methan. Sm. 154°. +  $CH_3O$ , +  $\frac{1}{2}C_6H_5O$ ,  $HCl + C_6H_6O$ , +  $NH_3$ , +  $\frac{1}{2}H_2O$ , Piperidinsalz +  $\frac{1}{2}C_6H_5O$  (M. 17, 356). — IV, 1288.
- $C_{27}H_{24}O_3N_4$  C 71,7 — H 5,3 — O 10,6 — N 12,4 — M. G. 452.  
 1)  $\alpha$ -Phenylhydrazon- $\alpha$ -Phenyl- $\alpha$ -[3,4,5-Trioxo-2- $\alpha$ -Phenylhydrazon-äthyl]phenylmethan (Gallacetobenzophenoubisphenylhydrazon). Sm. 233 bis 234° (J. r. 25, 117). — IV, 785.
- $C_{27}H_{24}O_5N_6$  C 67,5 — H 5,0 — O 10,0 — N 17,5 — M. G. 480.  
 1) 1,3,5-Tri[4-Methylphenylnitrosamido]benzol. Sm. 233–234° (G. 20, 329). — IV, 1125.
- 2) trimolec. P-Nitroso-P-Dihydrochinolin (C. 1896 [1] 1126).
- $C_{27}H_{24}O_4N_4$  1) Verbindung (aus  $\alpha$ -Diphenylsulfonaceton u. Phenylmercaptan). Sm. 190 bis 191° (J. pr. [2] 36, 422). — II, 791.
- $C_{27}H_{24}O_6N_2$  C 68,6 — H 5,1 — O 20,3 — N 5,9 — M. G. 472.  
 1) Phenylhydrazid (aus Narceonsäure). Sm. 181–182° (A. 286, 253). — II, 2082.
- $C_{27}H_{24}O_6N_6$  C 61,3 — H 4,5 — O 18,2 — N 15,9 — M. G. 528.  
 1) 2,4,6-Trimethyläther d. 2,4,6-Tri[2-Oxophenylazo]-1,3,5-Trioxobenzol. Sm. oberh. 300° (Soc. 71, 1155). — IV, 1451.
- $C_{27}H_{24}O_1N_4$  C 54,4 — H 4,0 — O 32,2 — N 9,4 — M. G. 506.  
 1) 5 oder 6-Methyl-2-[ $\alpha$ -Nitro-3,4-Dimethoxyphenyl]-1-[ $\alpha$ -Nitro-3,4-Dimethoxybenzyl]benzimidazol-1 $^2$ -Dicarbonsäure. Sm. 205 bis 206° u. Zers. (B. 25, 1887). — IV, 619.

- $C_{17}H_{21}N_2S$  : 4-Di[2-Benzylphenyl]thioharnstoff. Sm. 147° B. 27, 2790.  
 $C_{17}H_{21}N_2S$  : 1,2-Di[4-Pheoxyhydrasomethylphenyl]thioharnstoff. Sm. 22°  
 $J. pr. [2]$  58, 151. — IV, 753.
- $C_{17}H_{21}O_2N$  : Acetylester d. 4-Oximino-1,2,6-Triphenyl-1,2,3,4-Tetrahydrobenzol-3-Carbonsäure. Sm. 130°—133° u. Zers. J. 281, 47. — II, 1615.
- $C_{17}H_{21}O_2N_1$  : 2,4-Dinitro-1,3,5-Tri[2-Methylphenylamido]benzol. Sm. 243° d.m. 18. 47. — IV, 1125.
- 2 2,4-Dinitro-1,3,5-Tri[4-Methylphenylamido]benzol. Sm. 197°  
 $- CHCl_3$ . Sm. 16. 47. — IV, 1125.
- $C_{17}H_{21}ON_1$  : 4-Amido-1-Dibenzylamidobenzol — Benzaldehyd. Sm. 130° B. 20.  
 $J. pr. [2]$  556.
- $C_{17}H_{21}O_2N_1$  : 2-4,4-Tetramethylidiaminodiphenyl-methyl-1,4-Naphthochinon. Sm. 157° B. 31, 231.
- $C_{17}H_{21}O_2N_1$  : C 73.3 — H 5.9 — O 14.5 — N 3.4 — M. G. 442.
- $C_{17}H_{21}O_2N_1$  : Dicarboxyethylamarin. J. pr. [2] 27, 34. — III, 24.
- $C_{17}H_{21}O_2N_1$  : C 61.6 — H 6.6 — O 11.1 — N 3.5 — M. G. 437.
- 1 Acetylester d. 6-Methyl-2,3,4-Triphenyl-1,4-Dihdropyridin-5-Carbonsäure. Sm. 177° B. 281, 176. — II, 1772.
- $C_{17}H_{21}O_2N_1$  : 1 Dicarboxyethylamidamarin.  $HCl + 2H_2O$ ,  $PtCl_4$ ,  $H_2SO_4$ . J. pr. 2, 27, 294. — III, 25.
- $C_{17}H_{21}O_2N_1$  : C 75.5 — H 6.3 — O 14.9 — N 3.3 — M. G. 429.
- 1 3-Nitrophenyl-Dianetholmethan. Sm. 145—147° (G. 21, 186). — II, 1662.
- 2 Benzylidenepapaverinium. Sm. 197° J. pr. [2] 56, 324.
- $C_{17}H_{21}O_2N_1$  : C 76.3 — H 5.7 — O 14.8 — N 3.1 — M. G. 421.
- 1 Tribenzoat d. Tri- $\beta$ -Oxyethylamin.  $Fl \cdot B.$  30, 920.
- 2 Verbindung aus Papaverenbenzylchlorid oder  $C_{17}H_{21}O_2N_1$ . Sm. 153 bis 154 (M. 9, 342). — IV, 442.
- $C_{17}H_{21}O_2N_1$  : C 64.1 — H 5.3 — O 11.2 — N 3.5 — M. G. 425.
- 1 Verbindung (aus- $\alpha$ -Oximido- $\beta$ -Keto- $\alpha$ -Phenylpropan). Sm. 117—118° (A. 291, 245). — III, 265.
- $C_{17}H_{21}O_2N_1$  : C 75.7 — H 6.5 — O 11.2 — N 3.5 — M. G. 425.
- 1 Benzoylchininin. Sm. 139°.  $HCl + 1\frac{1}{2}H_2O$ , 2HCl,  $(2HCl, PtCl_4)$ ,  $HBr + 1\frac{1}{2}H_2O$ , Tartrat, Bitartrat, Succinat, Salicylat (A. 108, 352; A. ch. 17, 127; B. 31, 1199). — III, 515.
- $C_{17}H_{21}O_2N_1$  : C 73.9 — H 6.3 — O 14.4 — N 3.3 — M. G. 444.
- 1) Ethylläther d. Benzoylcinchotonin.  $HCl$ , 2HCl (M. 16, 170). — III, 542.
- $C_{17}H_{21}O_2N_1$  : C 64.7 — H 5.9 — O 13.6 — N 3.8 — M. G. 472.
- 1) d-Cocainazo-1-Aminonaphthalin (B. 27, 1887). — IV, 1452.
- 2) Disazobenzolsantonsäure. Sm. 125—130° (B. 31, 1681). — IV, 1474.
- $C_{17}H_{21}O_2N_1$  : C 65.9 — H 5.7 — O 22.7 — N 3.7 — M. G. 492.
- 1) 2-Nitrobenzyloxyhydrat d. Papaverin. Chlorid, Nitrat +  $1\frac{1}{2}H_2O$ , Bichromat, Pikrat (M. 9, 357). — IV, 441.
- $C_{17}H_{21}O_2Br_1$  1) Verbindung (aus Espartohaar) (Soc. 41, 94). — I, 1050.
- $C_{17}H_{21}N_1J_1$  1) Dijodethylat d. Di-2-Methylenamido- $\beta$ -Naphthylmethan (J. pr. [2] 35, 329). — IV, 1076.
- $C_{17}H_{21}O_2N_1$  : C 70.6 — H 6.3 — O 13.0 — N 9.2 — M. G. 459.
- 1) 3-Nitro-2',2'-Di[Acetylamido]-3',5',3',5'-Tetramethyltrifenylnmethan? Sm. 131—132° (B. 21, 3217). — IV, 1043.
- 2) 4'-Nitro-2',2'-Di[Acetylamido]-3',5',3',5'-Tetramethyltrifenylnmethan. Sm. 95° (B. 21, 3216). — IV, 1049.
- 3) 4-Nitrophenyldi[Acetylamidodimethylphenyl]methan (aus 2-Amido-1,3-Dimethylbenzol). Zers. bei 260° (M. 19, 641).
- 4) Tri-4-Methylphenylamid d. Citronensäure. Sm. 189° (B. 19, 2352). — II, 503.
- $C_{17}H_{21}O_2N_1$  : C 72.5 — H 6.5 — O 17.9 — N 3.1 — M. G. 447.
- 1) Benzyloxyhydrat d. Papaverin. Chlorid. Bichromat, Pikrat (B. 18, 1578; M. 9, 339, 756; J. pr. [2] 56, 324, 337; J. 1886, 1718). — IV, 441.

- C<sub>27</sub>H<sub>29</sub>O<sub>5</sub>N<sub>2</sub>** C 68,2 — H 6,1 — O 16,8 — N 8,8 — M. G. 475.  
 1) **3-Nitrobenzaldehydchinin.** Sm. 113—118° (G. 13, 368). — III, 813.
- C<sub>27</sub>H<sub>29</sub>O<sub>10</sub>N** C 61,5 — H 5,5 — O 30,3 — N 2,6 — M. G. 527.  
 1) **Tetracetylhelicinmonanilid** (A. 154, 34). — III, 69.
- C<sub>27</sub>H<sub>29</sub>O<sub>2</sub>N<sub>2</sub>** C 78,3 — H 7,2 — O 7,7 — N 6,8 — M. G. 414.  
 1) **2-Methylphenylchininin.** 2 Modif. (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O) (B. 14, 80). — III, 815.  
 2) **4-Methylphenylchininin.** 2 Modif. (2HCl, PtCl<sub>4</sub> + H<sub>2</sub>O) (B. 14, 80). — III, 815.
- C<sub>27</sub>H<sub>29</sub>O<sub>2</sub>N<sub>4</sub>** C 73,3 — H 6,8 — O 7,2 — N 12,7 — M. G. 442.  
 1) **α-[4-Diacetylaminodiphenyl]imidodi[4-Dimethylaminodiphenyl]methan.** Sm. 194—195° (J. pr. [2] 50, 407). — IV, 1174.
- C<sub>27</sub>H<sub>30</sub>O<sub>8</sub>N<sub>2</sub>** C 75,4 — H 7,0 — O 11,1 — N 6,5 — M. G. 430.  
 1) **Aethylsalidin.** (2HCl, PtCl<sub>4</sub>) (A. 145, 309). — III, 72.
- C<sub>27</sub>H<sub>30</sub>O<sub>8</sub>N<sub>4</sub>** C 70,7 — H 6,5 — O 10,5 — N 12,2 — M. G. 458.  
 1) **Tri-β-Benzoylamido-α-thylamin.** Sm. 148—149° (B. 29, 2532).
- C<sub>27</sub>H<sub>30</sub>O<sub>8</sub>N<sub>4</sub>** C 68,4 — H 6,3 — O 13,5 — N 11,8 — M. G. 474.  
 1) **Däthylester d. 4-[3-p-Dimethylaminodiphenylazophenyl]-2,6-Dimethylpyridin-3,5-Dicarbonsäure.** Sm. 107°. (2HCl, PtCl<sub>4</sub>) (G. 17, 467). — IV, 1487.
- C<sub>27</sub>H<sub>30</sub>O<sub>4</sub>N<sub>6</sub>** C 64,5 — H 6,0 — O 12,7 — N 16,7 — M. G. 502.  
 1) **Verbindung** (aus Aceton, Benzaldehyd u. Harnstoff). Sm. 270° u. Zers. (G. 23 [1] 406). — III, 38.
- C<sub>27</sub>H<sub>30</sub>O<sub>6</sub>S<sub>3</sub>** 1) **Trimethyltribenzyl-R-Trimethylentrisulfon.** Sm. 268° (B. 27, 1676). — III, 144.  
 2) **Hexamethyläther d. α-Trithio-2,5-Dioxybenzaldehyd.** Sm. 95—96° (B. 29, 148). — III, 99.  
 3) **Hexamethyläther d. β-Trithio-2,5-Dioxybenzaldehyd.** Sm. 180°. + 2C<sub>6</sub>H<sub>6</sub> (B. 29, 149). — III, 99.  
 4) **Hexamethyläther d. α-Trithio-3,4-Dioxybenzaldehyd.** Sm. 168° (B. 29, 145). — III, 102.  
 5) **Hexamethyläther d. β-Trithio-3,4-Dioxybenzaldehyd.** Sm. 220°. + 2C<sub>6</sub>H<sub>6</sub>, + 2 Thiophen (B. 29, 146). — III, 102.
- C<sub>27</sub>H<sub>30</sub>N<sub>8</sub>P** 1) **Tri[1,2,3,4-Tetrahydro-1-Chinolyl]phosphin.** Sm. 202—204° (B. 31, 1038). — IV, 1683.
- C<sub>27</sub>H<sub>30</sub>N<sub>4</sub>J<sub>2</sub>** 1) **Däthyljodid d. Aribin.** — III, 780.
- C<sub>27</sub>H<sub>29</sub>ON<sub>4</sub>** C 75,7 — H 7,5 — O 3,7 — N 13,1 — M. G. 428.  
 1) **Phenylhydrazon d. Methylchininin.** Sm. 135—136° (B. 27, 1187). — IV, 798.
- C<sub>27</sub>H<sub>32</sub>O<sub>2</sub>N<sub>2</sub>** C 77,9 — H 7,7 — O 7,7 — N 6,7 — M. G. 416.  
 1) **Verbindung** (aus Chinin u. Toluol) (J. 1874, 867). — III, 812.
- C<sub>27</sub>H<sub>30</sub>O<sub>4</sub>N<sub>2</sub>** C 72,3 — H 7,1 — O 14,3 — N 6,2 — M. G. 448.  
 1) **Homobrenzatechininchinin.** H<sub>2</sub>SO<sub>4</sub> + H<sub>2</sub>O (Sm. 157° wasserfrei) (Bl. [3] 9, 147). — III, 813.
- C<sub>27</sub>H<sub>32</sub>O<sub>11</sub>Cl<sub>2</sub>** 1) **Dichlorphillyrin** (A. 118, 128). — III, 600.
- C<sub>27</sub>H<sub>32</sub>O<sub>11</sub>Br<sub>2</sub>** 1) **Dibromphillyrin** (A. 118, 128). — III, 600.
- C<sub>27</sub>H<sub>32</sub>O<sub>11</sub>N<sub>2</sub>** C 51,9 — H 5,1 — O 38,4 — N 4,5 — M. G. 624.  
 1) **Dinitrophillyrin** (A. 118, 128). — III, 600.
- C<sub>27</sub>H<sub>32</sub>O<sub>2</sub>N<sub>2</sub>** C 75,2 — H 7,6 — O 7,4 — N 9,7 — M. G. 431.  
 1) **2'-Nitro-4',4'-Di[Däthylamido]triphenylmethan.** Sm. 109—110° (B. 17, 1893). — IV, 1044.  
 2) **3'-Nitro-4',4'-Di[Däthylamido]triphenylmethan.** Sm. 95—96° (A. 294, 379). — IV, 1044.  
 3) **4'-Nitro-4',4'-Di[Däthylamido]triphenylmethan.** Sm. 113° (B. 19, 746). — IV, 1044.  
 4) **3'-Nitro-5',5'-Diamido-2',2'-Diisobutyltriphenylmethan.** Sm. 64 bis 65° (B. 21, 3214). — IV, 1049.  
 5) **4'-Nitro-5',5'-Diamido-2',2'-Diisobutyltriphenylmethan.** Sm. 125 bis 126°. 2HCl, (2HCl, PtCl<sub>4</sub>) (B. 21, 3213). — IV, 1049.
- C<sub>27</sub>H<sub>31</sub>O<sub>2</sub>F** 1) **Phosphorigsäuretri-2,4,5-Trimethylphenylester.** Sd. 270—274°<sub>16</sub> (B. 31, 1052).
- C<sub>27</sub>H<sub>31</sub>O<sub>4</sub>F** 1) **Tri[2-Isopropylphenylester] d. Phosphorsäure.** Sd. 375—380°<sub>200</sub> (G. 16, 130). — II, 762.

- C<sub>27</sub>H<sub>33</sub>O<sub>4</sub>N** C 69,4 — H 7,0 — O 26,6 — N 3,0 — M. G. 467.  
 1) **Camphorylmorphin.** (2HCl, PtCl<sub>4</sub>) (Soc. **25**, 694). — **III. 900.**
- C<sub>27</sub>H<sub>33</sub>O<sub>4</sub>Cl<sub>2</sub>** 1) **Verbindung aus Eparthoharz** (Soc. **41**, 94). — **I. 1640.**
- C<sub>27</sub>H<sub>33</sub>O<sub>11</sub>N** C 56,0 — H 5,7 — O 35,9 — N 2,4 — M. G. 579.  
 1) **Nitrophillyrin** (A. **118**, 128). — **III. 690.**
- C<sub>27</sub>H<sub>33</sub>N<sub>2</sub>Cl** 1) **4-Chlor-4',4'-Di-Diäthylamido-triphenylimethan.** Sm. 110° (B. **19**, 745). — **IV. 1043.**
- C<sub>27</sub>H<sub>33</sub>Cl<sub>2</sub>Bi** 1) **Tri-4-Isopropylphenylwismuthdichlorid.** Sm. 205° (B. **30**, 2848). — **IV. 1699.**
- C<sub>27</sub>H<sub>33</sub>Br<sub>2</sub>Bi** 1) **Tri-4-Isopropylphenylwismuth dibromid.** Sm. 150° (B. **30**, 2848). — **IV. 1699.**
- C<sub>27</sub>H<sub>34</sub>ON<sub>2</sub>** C 59,6 — H 8,4 — O 4,0 — N 7,0 — M. G. 402.  
 1) **a-Oxy-4',4'-Di-Diäthylamido-triphenylimethan.** (2HCl, ZnCl<sub>2</sub> + 2H<sub>2</sub>O), H<sub>2</sub>SO<sub>4</sub>, Oxalat (B. **14**, 2521; A. **217**, 262; J. **1884**, 760). — **II. 1055.**
- C<sub>27</sub>H<sub>34</sub>O<sub>2</sub>N<sub>2</sub>** C 77,5 — H 8,1 — O 7,6 — N 6,7 — M. G. 418.  
 1) **a-Oxy-3-Oxy-4',4'-Di-Diäthylamido-triphenylimethan** (A. **294**, 377).
- C<sub>27</sub>H<sub>34</sub>O<sub>3</sub>N<sub>2</sub>** C 69,5 — H 7,3 — O 17,2 — N 6,0 — M. G. 496.  
 1) **Methylhydrastisoamylimid.** (2HCl, PtCl<sub>4</sub>) (B. **23**, 2965). — **II. 2053.**
- C<sub>27</sub>H<sub>34</sub>O<sub>4</sub>N<sub>2</sub>** C 67,2 — H 7,1 — O 19,9 — N 5,8 — M. G. 482.  
 1) **Lycaconitin + 2H<sub>2</sub>O.** Sm. 111—114° (2HCl, PtCl<sub>4</sub>, (HCl, AuCl<sub>3</sub>), HNO<sub>3</sub> + 2H<sub>2</sub>O (J. **1884**, 1394). — **III. 776.**
- 2) **Myoconitin + 5H<sub>2</sub>O.** Sm. 143,5—144° (J. **1884**, 1394). — **III. 776.**
- C<sub>27</sub>H<sub>34</sub>NJ** 1) **Jodathylat d. 3,5-Di[4-Isopropylbenzyl]pyridin.** Sm. 168—169° (A. **280**, 65). — **IV. 458.**
- C<sub>27</sub>H<sub>34</sub>O<sub>4</sub>N<sub>2</sub>** C 66,9 — H 7,4 — O 19,5 — N 5,8 — M. G. 484.  
 1) **Methylhydrastisoamylimid.** Sm. 171° (B. **23**, 2966). — **II. 2053.**
- C<sub>27</sub>H<sub>34</sub>O<sub>5</sub>N** C 82,9 — H 9,4 — O 4,1 — N 3,6 — M. G. 391.  
 1) **Phenylamidoformiat d. Oxycampherpinakonan.** Sm. 161° (B. **27**, 2350; A. **292**, 15).
- C<sub>27</sub>H<sub>35</sub>O<sub>5</sub>Br<sub>2</sub>** 1) **Dibromoxycholestenon?** (oder C<sub>27</sub>H<sub>34</sub>O<sub>5</sub>Br<sub>2</sub>). Sm. 167—168° (M. **17**, 588).  
**C<sub>27</sub>H<sub>35</sub>O<sub>5</sub>N<sub>2</sub>** C 66,8 — H 8,0 — O 16,5 — N 8,7 — M. G. 485.  
 1) **Pikrorocellin.** Sm. 192—194° (A. **185**, 14). — **II. 1752.**
- C<sub>27</sub>H<sub>35</sub>O<sub>5</sub>N<sub>5</sub>** C 63,1 — H 7,6 — O 15,6 — N 13,6 — M. G. 513.  
 1) **Faucin + H<sub>2</sub>O.** Sm. 126°. 2HCl + 6H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 6H<sub>2</sub>O) (C. **1895** [1] 434).  
**C<sub>27</sub>H<sub>35</sub>O<sub>6</sub>N** C 64,2 — H 7,7 — O 25,3 — N 2,8 — M. G. 505.  
 1) **Apopseudoaconit?** (Soc. **33**, 160). — **III. 776.**
- C<sub>27</sub>H<sub>35</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **Trichlormethylat d. Tri[2-Dimethylamido-phenyl]amin.** 2 + 3PtCl<sub>4</sub> (B. **19**, 760). — **IV. 1295.**
- C<sub>27</sub>H<sub>36</sub>OBr<sub>2</sub>** 1) **Oxycholesterylendibromid.** Sm. 91—92° u. Zers. (M. **17**, 597).  
**C<sub>27</sub>H<sub>36</sub>OCl<sub>2</sub>** 1) **Oxychlorcholesten.** Sm. 121—122° (M. **17**, 599).  
**C<sub>27</sub>H<sub>36</sub>OCl<sub>2</sub>z** 1) **Verbindung** (aus Cerylkohol) (A. **67**, 206). — **I. 241.**
- C<sub>27</sub>H<sub>36</sub>ON<sub>2</sub>** C 79,0 — H 10,2 — O 3,9 — N 6,8 — M. G. 410.  
 1) **6-Oxy-2-Heptadekyl-4-Phenyl-1,3-Diazin.** Sm. 117° (PINKE, Imidoketther 234). — **IV. 986.**
- C<sub>27</sub>H<sub>36</sub>O<sub>2</sub>Cl<sub>12</sub>** 1) **Dodekanchlorcerotinsäure.** Na (A. **67**, 190). — **I. 477.**
- C<sub>27</sub>H<sub>36</sub>O<sub>2</sub>N<sub>2</sub>** C 73,5 — H 9,8 — O 7,2 — N 9,5 — M. G. 441.  
 1) **Monosemicarbason d. Onoketon.** Sm. 175° u. Zers. (B. **29**, 2988).  
**C<sub>27</sub>H<sub>36</sub>O<sub>4</sub>N** C 63,8 — H 8,4 — O 25,1 — N 2,8 — M. G. 509.  
 1) **Cevin.** Sm. 145°. (HJ, HgJ<sub>2</sub>) (Soc. **33**, 338). — **III. 949.**
- C<sub>27</sub>H<sub>36</sub>OCl<sub>4</sub>** 1) **Dichlorcholesterindichlorid** (M. **15**, 103). — **II. 1072.**
- C<sub>27</sub>H<sub>36</sub>OBr<sub>2</sub>** 1) **Sitosterindibromid.** Sm. 98° u. Zers. (M. **18**, 559).  
**C<sub>27</sub>H<sub>36</sub>O<sub>2</sub>N** C 63,4 — H 8,8 — O 25,0 — N 2,7 — M. G. 511.  
 1) **Sabadinin.** HCl, (HCl, AuCl<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> + 3H<sub>2</sub>O). — **III. 950.**
- C<sub>27</sub>H<sub>36</sub>OCl<sub>2</sub>** 1) **Cholesterindichlorid + H<sub>2</sub>O** (M. **15**, 101). — **II. 1072.**
- C<sub>27</sub>H<sub>36</sub>OBr<sub>2</sub>** 1) **Cholesterindibromid.** Sm. 100° (H. **22**, 408).  
**C<sub>27</sub>H<sub>36</sub>O<sub>2</sub>N<sub>2</sub>** C 75,4 — H 10,7 — O 7,4 — N 6,5 — M. G. 430.  
 1) **a-Stearyl-2,4-Dimethylphenylharnstoff.** Sm. 92—93° (Soc. **69**, 1601).
- C<sub>27</sub>H<sub>36</sub>O<sub>4</sub>N<sub>2</sub>** C 70,1 — H 10,0 — O 13,8 — N 6,1 — M. G. 462.  
 1) **Delphinin** (J. **1877**, 897). — **III. 880.**
- C<sub>27</sub>H<sub>36</sub>O<sub>5</sub>S** 1) **"Scymnolschweifelsäure.** Na, Ba + 2C<sub>2</sub>H<sub>6</sub>O (H. **24**, 335).  
**C<sub>27</sub>H<sub>36</sub>O<sub>2</sub>Br** 1) **Bromcerotinsäure.** Sm. 65—66° (Bl. [3] 7, 111). — **I. 489.**  
 2) **Aethylester d. "Bromcerotinsäure.** Sm. 46,5° (C. **1896** [1] 642).

- $C_{27}H_{35}ON$  1) C 79,2 — H 13,4 — O 3,9 — N 3,4 — M. G. 400.  
1) Oxim d. Myriston. Sm. 51° (47—48°) (M. 5, 242; Soc. 63, 458). — I, 1031.
- $C_{27}H_{36}O_4S$  1) Cerylschweefelsäure. Na, Ca, Ba (C. 1897 [1] 1037).

### $C_{27}$ -Gruppe mit vier Elementen.

- $C_{27}H_{17}ONCl_2$  1)  $2,2$ -Di-[ $\beta$ -Chlornaphyl]amid d. Benzolcarbonsäure. Sm. 203° (B. 17, 1593). — II, 1168.
- $C_{27}H_{17}ONS$  1) Benzoithio- $2$ -Dinaphylamin. Sm. 196—197° (B. 23, 2459). — II, 1180.
- $C_{27}H_{17}O_2NS$  1) Phenylester d. Thio- $\beta$ -Dinaphylamidoameisensäure. Sm. 215° (B. 24, 2916). — II, 869.
- $C_{27}H_{17}O_2N_2Cl$  1) Benzoat d. 5-Chlor-6-Oxy-2,3-Diphenyl-1,4-Benzodiazin. Sm. 192° (C. 1895 [1] 855).
- $C_{27}H_{18}ON_2S$  1)  $\alpha$ -Phenyl- $\beta$ -[Thio- $\beta$ -Dinaphyl]harnstoff. Zers. bei 215—220° (B. 24, 2917). — II, 870.
- $C_{27}H_{19}O_2N_2Br$  1) Bromederivat d. Verbindung  $C_{27}H_{19}O_2N_2$ . Sm. 154° (B. 26, 1188). — IV, 1225.
- $C_{27}H_{20}O_2N_2S$  1)  $\alpha\beta$ -Dibenzoyl- $\alpha\beta$ -Diphenylthioharnstoff. Sm. 160,5° (B. 28, 1322).  
2)  $\alpha$ -Di[4-Benzoylphenyl]thioharnstoff. Sm. 166° (A. 210, 273; B. 14, 1830). — III, 184.
- $C_{27}H_{21}O_2N_2S_3$  1) Tri[Benzoylamid] d. Benzol-1,3,5-Trisulfonsäure. Na, Ba, +  $12H_2O$  (Am. 9, 343). — II, 1174.
- $C_{27}H_{22}O_2N_2S_2$  1) Benzaldehyd-1-Naphthionaminsäure 1-Amidonaphthalin. Sm. 84° (A. 274, 255). — III, 7.
- $C_{27}H_{24}O_2N_2S_2$  1)  $\alpha\beta$ -Diphenyl- $\alpha\beta$ -Di[4-Methylphenylsulfon]harnstoff. Sm. 210° (J. pr. [2] 51, 350).
- $C_{27}H_{24}O_2N_2Br_2$  1) 5 oder 6-Methyl-2-[ $\beta$ -Brom-3,4-Dimethoxyphenyl]-1-[ $\beta$ -Brom-3,4-Dimethoxybenzyl]benzimidazol-1<sup>2</sup>,2<sup>1</sup>-Dicarbonsäure. Sm. 213° u. Zers. (B. 25, 1988). — IV, 619.
- $C_{27}H_{25}O_2N_2P$  1) Di[4-Methylphenylamid] d. Phenylphosphorsäure-2-Carbonäsurephenylester. Sm. 146° (B. 31, 2178).
- $C_{27}H_{27}ON_2Br$  1)  $\alpha$ -[1-Naphylamido]- $\beta$ -[ $\alpha$ -Bromisovaleryl-1-Naphylamido]äthan. Sm. 223° (B. 31, 3247).
- $C_{27}H_{27}O_2N_2Br_6$  1) Tri[3,6-Dibrom-4-Oxy-2,5-Dimethylbenzyl]amin. Sm. 218—219° (223—224°). HBr (B. 28, 1110; A. 301, 278).
- $C_{27}H_{27}O_2N_2Cl$  1) 2-Nitrochlorbensylat d. Papaverin + 4(6 u. 9) $H_2O$ . 2 + PtCl<sub>4</sub> (M. 9, 857). — IV, 441.
- $C_{27}H_{27}O_2N_2S_3$  1) Trinitrotrimethyltribensyl-R-Trimethylentrisulfon. Zers. oberh. 132° (B. 27, 1677). — III, 145.
- $C_{27}H_{28}O_2NCl$  1) Chlorbensylat d. Papaverin + 7 $H_2O$ . 2 + PtCl<sub>4</sub> (B. 18, 1578; M. 9, 330; J. 1886, 1718; J. pr. [2] 56, 323). — IV, 441.
- $C_{27}H_{29}O_2N_2Br$  1) Brommethylat d. Benzoyleinchonin (Bl. [3] 9, 714). — III, 835.
- $C_{27}H_{29}O_2N_2J$  1) Jodmethylat d. Benzoyleinchonin (Bl. [3] 9, 714). — III, 835.
- $C_{27}H_{29}O_2N_2ClP$  1) Tri[Phenylamido]-2,4,5-Trimethylphenylphosphoniumchlorid. Sm. 247° (A. 294, 11). — IV, 1678.
- $C_{27}H_{30}N_2BrP$  1) Tri[Phenylamido]-2,4,5-Trimethylphenylphosphoniumbromid. Sm. 259° (A. 294, 13). — IV, 1678.
- $C_{27}H_{30}N_2JP$  1) Tri[Phenylamido]-2,4,5-Trimethylphenylphosphoniumjodid. Sm. 220° (A. 294, 13). — IV, 1678.
- $C_{27}H_{30}ON_2P$  1) Tri[Phenylamido]-2,4,5-Trimethylphenylphosphoniumhydrat. Sm. 203,5°. Salze siehe (A. 294, 11). — IV, 1678.  
2) Tri[1,2,3,4-Tetrahydro-1-Chinolyl]phosphinoxyd. Sm. 90—91° (B. 31, 1039). — IV, 1683.
- $C_{27}H_{30}O_4NJ$  1) Jodäthylat d. Benzoylecodein +  $1/2H_2O$  (Soc. 28, 15, 321). — III, 906.
- $C_{27}H_{30}O_4NJ$  1) Jodallylat d. Allyhydrastin. Sm. 180° (A. 271, 351). — II, 2054.

- \* C<sub>27</sub>H<sub>39</sub>O<sub>11</sub>N<sub>3</sub>P 1) Phenylamid d. Phosphorsäuretri[α-Oxypropionsäure]. Sm. 205° (A. 279, 81).  
 2) 2-Methylphenylamid d. Phosphorsäuretri[Oxyessigsäure]. Sm. 143° (A. 279, 61).  
 3) 4-Methylphenylamid d. Phosphorsäuretri[Oxyessigsäure]. Sm. 188° (A. 279, 65).  
 4) Phosphat d. β-Aethylbenzhydroxamsäure. Sm. 130—131° (B. 25, 40; 26, 1566). — II, 1198.
- C<sub>27</sub>H<sub>39</sub>O<sub>11</sub>N<sub>3</sub>S 1) Alloxanbrucindisulfat + 1½ H<sub>2</sub>O (A. 248, 150). — III, 946.  
 C<sub>27</sub>H<sub>39</sub>N<sub>3</sub>Cl<sub>11</sub>P<sub>8</sub> 1) Verbindung (aus Cincholoiponsäure) (M. 17, 375). — III, 842.  
 C<sub>27</sub>H<sub>39</sub>N<sub>3</sub>SP 1) Tri[1, 2, 3, 4-Tetrahydro-1-Chinolyl]phosphinsulfid. Sm. 192° (B. 31, 1039). — IV, 1683.
- C<sub>27</sub>H<sub>39</sub>O<sub>2</sub>N<sub>2</sub>Cl 1) Chlorbenzylat d. Chinin. (HCl, PtCl<sub>4</sub> + H<sub>2</sub>O) (G. 13, 530). — III, 814.  
 2) Chlorbenzylat d. Conchinin. Sm. 190—195°. (HCl, PtCl<sub>4</sub>) (A. 269, 235). — III, 825.
- C<sub>27</sub>H<sub>39</sub>O<sub>3</sub>N<sub>2</sub>S 1) 3, 3'-Di[Diäthylamido]phenolsaccharin. Sm. 243° (Bl. [3] 17, 697).  
 C<sub>27</sub>H<sub>39</sub>O<sub>3</sub>N<sub>2</sub>J 1) Jodallylat d. Allylhydrastimid. Sm. 207° (B. 23, 2913). — II, 2054.
- C<sub>27</sub>H<sub>39</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub> 1) 2, 5-Dichlorphenyldi[4-Diäthylamido-2-Oxyphenyl]methan (A. 299, 356).  
 C<sub>27</sub>H<sub>39</sub>O<sub>2</sub>N<sub>2</sub>S 1) Diäthylanilinsulfonphthalein (Am. 20, 129).  
 C<sub>27</sub>H<sub>39</sub>O<sub>3</sub>N<sub>2</sub>J 1) Di[Jodmethylat] d. Dioxybenzylcinchotinin. Sm. 205° u. Zers. + 3½ H<sub>2</sub>O (Sm. 198° u. Zers.) (A. 269, 246). — III, 842.
- C<sub>27</sub>H<sub>39</sub>O<sub>2</sub>N<sub>2</sub>S 1) Oroinchininsulfat + 2H<sub>2</sub>O (A. 130, 33; 134, 290; 138, 77). — III, 813.
- C<sub>27</sub>H<sub>39</sub>O<sub>2</sub>N<sub>2</sub>S<sub>2</sub> 1) Patentblau. Mg + 3H<sub>2</sub>O, CaOH (A. 294, 376; B. 29, 2290; Bl. [3] 13, 905).
- C<sub>27</sub>H<sub>39</sub>O<sub>13</sub>NCl 1) Chlornitrophillyrin (A. 118, 128). — III, 600.  
 C<sub>27</sub>H<sub>39</sub>O<sub>13</sub>NBr 1) Bromnitrophillyrin (A. 118, 128). — III, 600.  
 C<sub>27</sub>H<sub>39</sub>ON<sub>2</sub>Cl 1) α-Oxy-4-Chlor-4<sup>1</sup>, 4<sup>2</sup>-Di[Diäthylamido]triphenylmethan. Sm. 120 bis 121° (B. 19, 745). — II, 1086.
- C<sub>27</sub>H<sub>39</sub>O<sub>6</sub>N<sub>4</sub>P 1) Phosphortrihydrobrenztraubensäurephenylhydrazid. Sm. 132° (B. 21, 2921). — IV, 689.
- C<sub>27</sub>H<sub>39</sub>O<sub>3</sub>N<sub>2</sub>S 1) Verbindung (aus β-Phenylakrylsäurealdehyd u. 5-Thionylamido-1, 2, 4-Trimethylbenzol). Sm. 68° (A. 274, 238). — III, 59.
- C<sub>27</sub>H<sub>39</sub>O<sub>4</sub>N<sub>2</sub>S 1) 3'-Oxy-4<sup>1</sup>, 4<sup>2</sup>-Di[Diäthylamido]triphenylmethan-4'-Sulfonsäure (A. 294, 385).  
 C<sub>27</sub>H<sub>39</sub>O<sub>3</sub>N<sub>2</sub>S 1) 3'-Amido-4<sup>1</sup>, 4<sup>2</sup>-Di[Diäthylamido]triphenylmethan-4'-Sulfonsäure (A. 294, 383). — IV, 1196.
- C<sub>27</sub>H<sub>39</sub>ON<sub>3</sub>J 1) Jodmethylat-α-Methyläther d. α-Oxytri[P-Dimethylamido-phenyl]methan (B. 28 [2] 179).  
 C<sub>27</sub>H<sub>39</sub>O<sub>2</sub>N<sub>2</sub>J 1) Jodäthylat d. Dibutyrylmorphin (Soc. 28, 322). — III, 899.  
 C<sub>27</sub>H<sub>39</sub>O<sub>2</sub>N<sub>2</sub>J 1) Jodäthylat d. Narceinäthylester. Sm. 131—132° (A. 277, 41). — II, 2080.
- C<sub>27</sub>H<sub>39</sub>O<sub>9</sub>N<sub>6</sub>Br<sub>3</sub> 1) Di[Bromäthylat] d. Diäthyltetranitrodihydrocinechonin (J. pr. [2] 8, 307). — III, 836.
- C<sub>27</sub>H<sub>39</sub>ON<sub>2</sub>Br<sub>3</sub> 1) Di[Bromäthylat] d. Diäthylhydrocinechonin (J. pr. [2] 8, 306). — III, 836.
- C<sub>27</sub>H<sub>41</sub>O<sub>2</sub>NCl 1) Nitrocholesterylchlorid. Sm. 148—149° (B. 12, 225; M. 15, 105; 17, 46). — II, 1074.
- C<sub>27</sub>H<sub>41</sub>O<sub>4</sub>NS 1) Hytaurocholsäure (A. 70, 187). — I, 1181.  
 C<sub>27</sub>H<sub>41</sub>ON<sub>2</sub>S 1) a-Stearochoolsäure (A. 70, 187). — I, 1181.

### C<sub>27</sub>-Gruppe mit fünf Elementen.

- C<sub>27</sub>H<sub>40</sub>O<sub>10</sub>N<sub>2</sub>Cl<sub>2</sub>S<sub>3</sub> 1) Verbindung (aus d. Tri[Benzoylamid] d. 1, 3, 5-Benzoltrisulfonsäure) (Am. 9, 345). — II, 1175.  
 C<sub>27</sub>H<sub>40</sub>O<sub>10</sub>N<sub>2</sub>Br<sub>2</sub>S<sub>3</sub> 1) Verbindung (aus Seide) (J. 1879, 871). — IV, 1585.

**C<sub>28</sub>-Gruppe mit einem Element.**

- C<sub>28</sub>H<sub>18</sub>** C 94,9 — H 5,1 — M. G. 354.  
1) **9,9'-Bianthryl.** Sm. 300° (*B. 18*, 3035; **20**, 1855; **21**, 2512). — **II**, 303.
- C<sub>28</sub>H<sub>20</sub>** C 94,5 — H 4,5 — M. G. 356.  
1) **Paranthracen.** Sm. 272—274° (244°) (*Z. 1867*, 290; *A. Spt.* 7, 264; *J. pr.* [2] 9, 248; [2] 44, 467; *Am.* 14, 599; 17, 658). — **II**, 259.
- C<sub>28</sub>H<sub>22</sub>** C 93,9 — H 6,1 — M. G. 358.  
1) **Tetrahydro-9,9'-Bianthryl.** Sm. 248—249° (*B. 21*, 2512). — **II**, 303.
- C<sub>28</sub>H<sub>24</sub>** C 93,3 — H 6,7 — M. G. 360.  
1) **9,9-Dibenzyl-9,10-Dihydroanthracen.** Sm. 115° (*B. 21*, 2509). — **II**, 302.  
C 92,8 — H 7,2 — M. G. 362.
- 1)  **$\alpha\beta\gamma\delta$ -Tetraphenylbutan.** Fl. (*C. 1898* [2] 284).  
2)  **$\alpha\alpha\beta\beta$ -Tetraphenyl- $\beta$ -Methylpropan.** Sd. 272° (*J. pr.* [2] 41, 524). — **II**, 301.
- 3) **Kohlenwasserstoff** (aus d. Pinakolin  $C_{28}H_{24}O$ ). Sm. 213—213,5° (*A. 189*, 119). — **II**, 301.
- C<sub>28</sub>H<sub>36</sub>** C 90,3 — H 9,7 — M. G. 372.  
1) **Kohlenwasserstoff** (aus Santonin). Sm. 93° (*B. 26*, 2507).
- C<sub>28</sub>H<sub>44</sub>** C 88,5 — H 11,5 — M. G. 380.  
1) **Kohlenwasserstoff** (aus Cholesterin). Sd. 240° (*A. 76*, 368).
- C<sub>28</sub>H<sub>56</sub>** C 85,3 — H 14,7 — M. G. 394.  
1) **Oktokosan** (*B. 16*, 391).

**C<sub>28</sub>-Gruppe mit zwei Elementen.**

- C<sub>28</sub>H<sub>19</sub>O<sub>15</sub>** C 57,3 — H 1,7 — O 40,9 — M. G. 586.  
1) **Graphitoxyd +  $1_2H_2O$**  (*Am. ch.* [6] **20**, 23). — **II**, 2021.
- C<sub>28</sub>H<sub>11</sub>Cl<sub>6</sub>** **Hexachlor-9,9'-Bianthryl.** Sm. 308—310° (*B. 21*, 1183). — **II**, 304.
- C<sub>28</sub>H<sub>11</sub>O<sub>6</sub>** C 78,2 — H 3,2 — O 18,6 — M. G. 430.  
1) **Verbindung** (aus d. Verb.  $C_{28}H_{11}O_6$ ) (*Soc. 53*, 838). — **III**, 416.
- C<sub>28</sub>H<sub>11</sub>O<sub>6</sub>** C 75,3 — H 3,1 — O 21,5 — M. G. 446.  
1) **Verbindung** (aus 9,10-Anthrachinon-2-Sulfinsäure). Sm. oberh. 300° (*B. 18*, 1724; *Soc. 53*, 836). — **III**, 415.
- C<sub>28</sub>H<sub>14</sub>O<sub>7</sub>** C 72,7 — H 3,0 — O 24,3 — M. G. 462.  
1) **Verbindung** (aus d. Verb.  $C_{28}H_{14}O_7$ ) (*Soc. 53*, 834). — **III**, 415.
- C<sub>28</sub>H<sub>16</sub>O** C 91,3 — H 4,3 — O 4,3 — M. G. 368.  
1) **Tetraphenylfuran.** Sm. 295—297° (*Soc. 63*, 772; **71**, 1120). — **II**, 1000.
- C<sub>28</sub>H<sub>15</sub>O<sub>8</sub>** C 81,0 — H 4,0 — O 12,0 — M. G. 400.  
1)  **$\alpha$ -Naphtofluoran** ( $\alpha$ -Naphtolphthalein). Sm. 300° (*B. 4*, 661; **28**, 207). — **II**, 1989.  
2)  **$\beta$ -Naphtofluoran** ( $\beta$ -Naphtolphthalein). Sm. 293° (*B. 26*, 206). — **II**, 1989.
- C<sub>28</sub>H<sub>16</sub>O<sub>6</sub>** C 75,0 — H 3,6 — O 21,4 — M. G. 448.  
1) **Dibenzoat d. 1,2-Dioxy-9,10-Anthrachinon.** — **III**, 422.  
2) **Dibenzoat d. 2,6-Dioxy-9,10-Anthrachinon.** Sm. 275° (*J. 1873*, 450). — **III**, 430.
- C<sub>28</sub>H<sub>16</sub>O<sub>7</sub>** C 72,4 — H 3,4 — O 24,1 — M. G. 464.  
1) **Dibenzoat d. 1,2,6-Trioxo-9,10-Naphthochinon.** Sm. 208—210° (*B. 10*, 1822). — **III**, 435.
- C<sub>28</sub>H<sub>16</sub>O<sub>6</sub>** C 70,0 — H 3,3 — O 26,7 — M. G. 480.  
1) **Tetrasalicylid** (siehe auch  $C_{28}H_{16}O_6$ ). Sm. 260—261° (*A. 273*, 77; *B. 25*, 3507). — **II**, 1498.
- C<sub>28</sub>H<sub>16</sub>N<sub>2</sub>** 2) **Verbindung** (aus Benzaldehyd u. Gallussäure) (*B. 31*, 151).  
C 88,4 — H 4,2 — N 7,4 — M. G. 380.  
1) **Diphenanthrylenazotid.** subl.; Sm. oberh. 400° (*M. 1*, 159; *J. pr.* [2] 41, 335; *Soc. 49*, 845; **55**, 109). — **III**, 444.  
2) **Chrysophenanthrophenazotid.** Zers. bei 300° (*B. 21*, 2513). — **II**, 303.
- C<sub>28</sub>H<sub>16</sub>Cl<sub>2</sub>** 1) **P-Dichlor-9,9'-Bianthryl** (*B. 20*, 2443). — **IV**, 1096.
- C<sub>28</sub>H<sub>16</sub>Cl<sub>10</sub>** 1) **Dekachloroktohydro-9,9'-Bianthryl.** Zers. bei 80° (*B. 21*, 1183). — **II**, 303.

- C<sub>28</sub>H<sub>16</sub>Br<sub>2</sub>** 1)  $\beta$ -Dibrom-9,9'-Bianthryl. Sm. oberb. 300° (B. 20, 1855; 21, 2513). — II, 304.
- C<sub>28</sub>H<sub>14</sub>Br<sub>1</sub>O** 1) Dekabromoktohydro-9,9'-Bianthryl. Sm. 156—160° u. Zers. (B. 21, 1184). — II, 304.
- C<sub>28</sub>H<sub>18</sub>O** 1) C 90,8 — H 4,9 — O 4,3 — M. G. 370.
- C<sub>28</sub>H<sub>18</sub>O<sub>3</sub>** 1) 9,9'-Diphenanthrylläther ( $\beta$ -Phenanthryloxyd). Sm. 210°. Pikrat (Soc. 71, 1119). C 83,6 — H 4,5 — O 11,9 — M. G. 402.
- C<sub>28</sub>H<sub>18</sub>O<sub>4</sub>** 1) 9-Oxy-9,9'-Bi[10-Keto-9,10-Dihydrophenanthryl]. Sm. 155° (156 bis 157°) (Soc. 63, 773; 71, 1121). — II, 1000.
- C<sub>28</sub>H<sub>18</sub>O<sub>5</sub>** 1) C 80,4 — H 4,3 — O 15,3 — M. G. 418.
- 2) Phenanthrenchinchydron. Sm. 167—169° (A. 211, 69; B. 19, 1870). — III, 442.
- 3) Dilakton d.  $\alpha\beta$ -Dioxy- $\alpha\alpha\beta\beta$ -Tetraphenyläthan- $\alpha^a,\beta^a$ -Dicarbonsäure. Sm. 265° (A. 291, 20).
- 4) Acetat d. Dihydrodiphenylenoxyanthrachinon. Sm. 180° (B. 23, 321). — III, 464.
- 5) Dibenzoat d.  $\beta$ -Dioxyanthracen (D. d. Rufol). Sm. 263° (B. 11, 1616). II, 1152.
- C<sub>28</sub>H<sub>18</sub>O<sub>6</sub>** C 77,4 — H 4,1 — O 18,4 — M. G. 434.
- 1) Anhydrid d. 2-Benzoylbenzol-1-Carbonsäure. Sm. 120° (B. 14, 1866; C. 1895 [2] 443). — II, 1704.
- C<sub>28</sub>H<sub>18</sub>O<sub>6</sub>** C 74,7 — H 4,0 — O 21,3 — M. G. 450.
- 1) 1,3-Phenylenester d. 3-Oxynaphthalin-2-Carbonsäure. Sm. 232—233° (B. 26, 81). — II, 1691.
- C<sub>28</sub>H<sub>18</sub>O<sub>7</sub>** C 72,1 — H 3,8 — O 24,0 — M. G. 466.
- 1) Dibenzoat d. 1,3,7-Trioxanthanonemonomethyläther (D. d. Gentisin). Sm. 192° (M. 18, 8). — III, 210.
- C<sub>28</sub>H<sub>18</sub>O<sub>8</sub>** C 69,7 — H 3,7 — O 26,6 — M. G. 482.
- 1) Hydrisalizarin (B. 3, 395). — III, 425.
- 2) 3,4,5-Tribenzosulfonylbenzol-1-Carbonsäure. Sm. 191—192° (A. 163, 212; 301, 110). — II, 1922.
- C<sub>28</sub>H<sub>18</sub>O<sub>9</sub>** C 67,5 — H 3,6 — O 28,9 — M. G. 498.
- 1) Trisalicylosalicylsäure. Fl. (A. 150, 15; M. 4, 128). — II, 1498.
- 2) Tetrasalicylid. Sm. 205—230° (A. 163, 221; M. 4, 125). — II, 1498.
- 3) Tetra-4-Oxybenzoid (A. 172, 360; B. 15, 2588). — II, 1529.
- C<sub>28</sub>H<sub>18</sub>O<sub>10</sub>** C 59,8 — H 3,2 — O 37,0 — M. G. 562.
- 1) Tetra-3,4-Dioxobenzol-1-Carbonsäure (Tetraprotokatechusäure) (B. 15, 2590). — II, 1744.
- C<sub>28</sub>H<sub>18</sub>N<sub>2</sub>** C 88,0 — H 4,7 — N 7,3 — M. G. 382.
- 1) 2,3-Diphenylenaphthalendiazin. Sm. 265° (B. 28, 3180). — IV, 1096.
- C<sub>28</sub>H<sub>18</sub>N** C 91,0 — H 5,1 — N 3,8 — M. G. 369.
- 1) Dianthracylamin (Dianthramin). Sm. noch nicht bei 320° (B. 16, 1636). — II, 639.
- 2) Di[9-Phenanthryl]amin. Sm. 237° (Soc. 71, 1124).
- C<sub>28</sub>H<sub>19</sub>N<sub>3</sub>** C 84,6 — H 4,8 — N 10,6 — M. G. 397.
- 1) 1-Phenyl-3,5-Di[1-Naphtyl]-1,2,4-Triazol. Sm. 75—78°? (J. pr. [2] 54, 162). — IV, 1217.
- 2) 1-Phenyl-3,5-Di[2-Naphtyl]-1,2,4-Triazol. Sm. bei 160° (J. pr. [2] 54, 163). — IV, 1217.
- 3) Tri[ $\beta$ -Chinolyl]methan. Sm. 202°. 3HCl, (3HCl, 3PtCl<sub>4</sub> + 3H<sub>2</sub>O), Pikrat (B. 24, 1606). — IV, 1221.
- 4) Phenylisorosindulin. Sm. 236°. HCl + 1/2H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub> + H<sub>2</sub>O, Pikrat (B. 21, 2621; 30, 1829; 31, 2431; A. 256, 241, 352). — IV, 1206.
- 5) Phenylisorosindulin. Sm. 169—171°. HCl, HNO<sub>3</sub> (B. 29, 2754; 31, 304). — IV, 1202.
- C<sub>28</sub>H<sub>20</sub>O** C 90,3 — H 5,4 — O 4,3 — M. G. 372.
- 1) Tetraphenylfuran (Lepiden). Sm. 175° (Z. 1867, 314; G. 19, 269). — III, 695.
- C<sub>28</sub>H<sub>20</sub>O<sub>2</sub>** C 86,6 — H 5,1 — O 8,2 — M. G. 388.
- 1) Dianthranol. Sm. 246—251° (Am. 18, 455).
- 2)  $\alpha\beta$ -Diketo- $\alpha\beta\gamma\delta$ -Tetraphenyl- $\gamma$ -Buten (Oxylepiden, nadelförmiges). Sm. 220° (A. 153, 131, 353; Z. 1871, 315; B. 4, 337). — III, 311.

- C<sub>28</sub>H<sub>20</sub>O<sub>2</sub>** 3) **Lakton d. α-Oxy-αβγγ-Tetraphenylpropen-γ-Carbonsäure** (Oxylepiden, tafelförmiges). Sm. 136° (J. r. 5, 16). — III, 312.  
 4) **Oxylepiden** (oktaädrisches). Sm. 232° (J. r. 5, 16; 7, 186; J. 1875, 409). — III, 312.  
 5) **Oxisolepiden**. Sm. 161° (J. 1877, 395). — III, 312.  
 6) isom. **Oxisolepiden**. Sm. 162° (J. 1877, 396). — III, 312.  
 7) isom. **Oxisolepiden**. Sm. 152,5° (J. 1877, 396). — III, 312.  
**C<sub>28</sub>H<sub>20</sub>O<sub>3</sub>** C 83,2 — H 4,9 — O 11,9 — M. G. 404.  
 1) **Dioxylepiden**. Sm. 157° (Z. 1871, 483). — III, 310.  
**C<sub>28</sub>H<sub>20</sub>O<sub>4</sub>** 2) **Isodioxylepiden**. Sm. 164° (J. 1875, 410; J. r. 7, 190). — III, 310.  
 C 80,0 — H 4,8 — O 15,2 — M. G. 420.  
 1) **Dibenzoat d. αβ-Dioxy-αβ-Diphenyläthen** (Isobenzi). Sm. 159° (A. 135, 172; 165, 104; B. 18, 994; 19, 1862; 24, 1265, 1276).  
 2) **α-Dibenzoat d. αβ-Di[2-Oxyphenyl]äthen**. Sm. 107—108° (B. 24, 3179). — II, 1152.  
 3) **β-Dibenzoat d. αβ-Di[2-Oxyphenyl]äthen**. Sm. 174° (A. 277, 356). — II, 1152.  
 4) **Dibenzoat d. αβ-Di[3-Oxyphenyl]äthen**. Sm. 160° (A. 277, 359). — II, 1152.  
 5) **Dibenzoat d. αβ-Di[4-Oxyphenyl]äthen**. Sm. 238° (A. 277, 360). — II, 1152.  
 6) **Inn. Anhydrid d. α-Oxydiphenylessigäure** (Benzilid). Sm. 196° (B. 22, 1213). — II, 1697.  
**C<sub>28</sub>H<sub>20</sub>O<sub>5</sub>** C 77,1 — H 4,6 — O 18,3 — M. G. 436.  
 1) **Dibenzoat d. P-Dioxy-P-Methyl diphenylketon** (D. d. Benzomethylresorcin). Sm. 149° (B. 28, 2306 Ann.). — III, 216.  
**C<sub>28</sub>H<sub>20</sub>O<sub>6</sub>** 1) **Dibenzoat d. Cotoin** (D. d. 2,4,6-Trioxyphephenylketonmonomethylether). Sm. 134—135° (A. 282, 194). — III, 263.  
 2) **Tribenzoat d. 2,4,6-Trioxy-1-Methylbenzol**. Sm. 111—112° (A. 302, 179).  
**C<sub>28</sub>H<sub>20</sub>O<sub>7</sub>** 1) **1,3,5-Tribenzoat d. 1,2,3,5-Tetraoxybenzol-2-Methyläther**. Fl. (B. 26, 2025). — II, 1152.  
**C<sub>28</sub>H<sub>20</sub>O<sub>10</sub>** C 65,1 — H 3,9 — O 31,0 — M. G. 516.  
 1) **Anhydrid d. Kinoroth** (B. 11, 1881). — III, 687.  
 2) **Tetracetat d. Cörlulin**. Sm. 256° (A. 208, 276). — II, 2088.  
**C<sub>28</sub>H<sub>20</sub>O<sub>11</sub>** C 63,2 — H 3,7 — O 33,1 — M. G. 532.  
 1) **Tetracetat d. Hydrogallein**. Sm. 247—248° (A. 209, 263). — II, 2093.  
**C<sub>28</sub>H<sub>20</sub>N<sub>2</sub>** 1) **P-Diamidobianthryl**. Sm. 307—309° u. Zers. Pikrat (B. 20, 2433). — IV, 1095.  
 2) **Tetraphenyl-1,4-Diazin** (Amaron; Benzoimimid; Ditolauazotid). Sm. 245 bis 246° (Berz. J. 25, 635; A. 136, 185; B. 21, 489, 1269; 22, 2302; 26, 1973; 28, 3180; Soc. 49, 826; 71, 35, 527, 531; J. pr. [2] 41, 333; [2] 52, 125). — III, 37; IV, 1095.  
 3) **Nitril d. ααββ-Tetraphenyläthan-αβ-Dicarbonsäure** (B. 22, 1227; A. 233, 349; 250, 148). — II, 1916.  
**C<sub>28</sub>H<sub>20</sub>N<sub>4</sub>** C 81,6 — H 4,8 — N 13,6 — M. G. 412.  
 1) **9-Amido-5-Phenylrosindulin[5]**. Sm. 147° u. Zers. (A. 272, 320). — IV, 1296.  
 2) **5-p-Amidophenylrosindulin[5]**. (2HCl, PtCl<sub>4</sub>, H<sub>2</sub>SO<sub>4</sub>) (B. 31, 2432).  
 3) **2-Phenylamidoroindulin[9]**. 2HCl, (2HCl, PtCl<sub>4</sub>) (A. 272, 325). — IV, 1297.  
 4) **9-p-Amidophenylrosindulin[9]**. Sm. 247° (B. 23, 840). — IV, 1202.  
 5) **10-Phenylamidoroindulin[9]**. Sm. 151—152° u. Zers. HCl (B. 29, 2757). — IV, 1297.  
**C<sub>28</sub>H<sub>20</sub>N<sub>6</sub>** C 76,4 — H 4,5 — N 19,1 — M. G. 440.  
 1) **1,5,1',5'-Tetraphenyl-3,3'-Bi-1,2,4-Triazol**. Sm. 257—258° (B. 22, 3115). — IV, 1332.  
**C<sub>28</sub>H<sub>20</sub>Cl<sub>6</sub>** 1) **ααβδδ-Hexachlor-αβγδ-Tetraphenylbutan** (Ditolanhexachlorid). Sm. 150° (B. 4, 379; A. 248, 28). — II, 272.  
**C<sub>28</sub>H<sub>20</sub>S** 1) **Tetraphenylthiophen** (Thiolepidin; Thionessal). Sm. 184° (A. 52, 354; 136, 94; 140, 239; 144, 192; 153, 349; 178, 376; B. 23, 2473; 24, 3311). — III, 750.

- C<sub>28</sub>H<sub>20</sub>S**
- 2) **Verbindung** (aus Stilben). Sm. 240—250° (B. 24, 3312). — III, 751.  
C 90,6 — H 5,6 — N 3,8 — M. G. 371.
- 1) **1,2,3,5-Tetraphenylpyrrol.** Sm. 196—197° (Soc. 57, 646). — IV, 474.
- 2) **2,3,4,5-Tetraphenylpyrrol.** Sm. 214,5° (211—212°) (B. 21, 3107; 22, 855; A. 269, 121). — IV, 478.
- C<sub>28</sub>H<sub>21</sub>N<sub>3</sub>**
- C 84,2 — H 5,3 — N 10,5 — M. G. 399.
- 1) **1,4-Diphenylimido-2-Phenylamido-1,4-Dihydronapthalin.** Sm. 159°.  
+ 1/4 C<sub>6</sub>H<sub>6</sub>O (Sm. 142—143°) (A. 262, 247; 272, 346). — IV, 1162.
- 2) **m-Aethylidinaphophenylaposafranin.** Sm. 254—255°. HCl (B. 31, 2487).
- 3) **Verbindung** (aus Hydrobenzamid). subl. bei 300° (A. 111, 153). — III, 21.
- 4) **Verbindung** (aus α-Napthalinazosalicylsäure). Sm. 197° (A. 251, 196). — IV, 1470.
- 5) **Verbindung** (aus β-Napthalinazosalicylsäure). Sm. 236° (A. 251, 196). — IV, 1470.
- C<sub>28</sub>H<sub>20</sub>O**
- C 90,8 — H 5,9 — O 4,3 — M. G. 374.
- 1) **10-Keto-9,9-Dibenzyl-9,10-Dihydroanthracen.** Sm. 217° (B. 21, 2509). — III, 266.
- 2) **10-Keto-9,9-Di[4-Methylphenyl]-9,10-Dihydroanthracen.** Sm. 235° (Bl. [3] 15, 392; [3] 17, 985).
- 3) **10-Keto-3-Methyl-9-Phenyl-9-[4-Methylphenyl]-9,10-Dihydroanthracen.** Sm. 176° (Bl. [3] 15, 302; [3] 17, 987).
- 4) **α-Keto-β-Diphenyl-α-Fluorenylpropan.** Sm. 149—150° (B. 21, 1342). — III, 266.
- 5) **Verbindung** (aus d. Aethylester d. Anhydridobenzilacetessigsäure). Sm. 187—188° (Soc. 69, 744).
- 6) **Isom. Verbindung** (aus d. Aethylester d. Anhydridobenzilacetessigsäure). Sm. 155—159° (Soc. 69, 746).  
C 86,1 — H 5,6 — O 38,2 — M. G. 390.
- C<sub>28</sub>H<sub>21</sub>O<sub>2</sub>**
- 1) **α,β-Diketo-αβγδ-Tetraphenylbutan** (Bidesyl; Hydrooxylepiden). Sm. 260—261° (254—255°) (J. 1875, 409; J. r. 7, 188; B. 21, 1356; 22, 553, 855; A. 269, 327). — III, 309.
- 2) **Isobidesyl.** Sm. 160—161° (B. 21, 1358). — III, 310.
- 3) **Anthrapinakon** (9,9'-Dioxy-9,10 Dihydrobianthracyl). Sm. 182° u. Zers. (B. 18, 3034). — II, 1106.
- 4) **Dibenzyläther d. 9,10-Dioxyanthracen.** Sm. 220° (B. 18, 3038). — II, 1000.
- 5) **Verbindung** (aus d. Aethylester d. Anhydridobenzilacetessigsäure). Sm. 221° (Soc. 69, 744).  
C 82,7 — H 5,4 — O 11,8 — M. G. 406.
- C<sub>28</sub>H<sub>21</sub>O<sub>3</sub>**
- 1) **Benzoinäther.** Sm. 157° (A. 155, 94). — III, 223.
- 2) **β-Benzoyl-ααβ-Triphenylpropionsäure** (Oxylepidensäure). Sm. 196° u. Zers. (J. r. 5, 18; Soc. 57, 747; J. 1877, 397). — III, 310.
- 3) **Verbindung** (aus d. Anhydro-αβ-Dioxy-αβ-Diphenyläthan). Sm. 154,5 bis 155° (A. 198, 169). — II, 1101.
- C<sub>28</sub>H<sub>21</sub>O<sub>4</sub>**
- C 79,6 — H 5,2 — O 15,2 — M. G. 422.
- 1) **Dibenzoat d. 4,4'-Dioxy-3,3'-Dimethylbiphenyl.** Sm. 185° (B. 21, 1067). — II, 933.
- 2) **Dibenzoat d. αα-Di[4-Oxyphenyl]äthan.** Sm. 152° (B. 11, 286). — II, 1151.
- 3) **Dibenzoat d. αβ-Dioxy-αβ-Diphenyläthan.** Sm. 247° (A. 182, 278). — II, 1145.
- 4) **Dibenzoat d. Isohydrobenzoin.** Sm. 155—156° (A. 182, 287; B. 17, 910). — II, 1145.
- 5) **ααβ-Tetraphenyläthan-αβ-Dicarbonsäure.** Sm. 260—262° u. Zers. (B. 22, 1538). — II, 1916.
- C<sub>28</sub>H<sub>20</sub>O<sub>5</sub>**
- C 76,7 — H 5,0 — O 18,3 — M. G. 438.
- 1) **Anhydrid d. α-Oxydiphenylessigsäure** (Dibenzilsäure). Sm. 196° (B. 2, 385; 22, 1213). — II, 1697.
- C<sub>28</sub>H<sub>20</sub>O<sub>6</sub>**
- C 71,5 — H 4,7 — O 23,8 — M. G. 470.
- 1) **Rhizocarpsäure** (oder C<sub>28</sub>H<sub>20</sub>O<sub>6</sub>). Sm. 177—178°. K + H<sub>2</sub>O (J. pr. [2] 58, 511).
- 2) **Diacetat d. Verb. C<sub>24</sub>H<sub>16</sub>O<sub>6</sub>** (B. 10, 1469). — II, 917.

- C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>** C 69,1 — H 4,5 — O 26,3 — M. G. 486.  
 1) **Tetracetat d. Binaphylidihydrochinon.** Sm. 165—166° u. Zers. (B. 17, 3025). — III, 397.
- C<sub>20</sub>H<sub>22</sub>O<sub>9</sub>** C 66,9 — H 4,4 — O 28,7 — M. G. 502.  
 1) **Tetracetat d. Di[3,4-Dioxy-1-Naphtyl]äther.** Sm. 164—165° (B. 30, 2201).
- C<sub>20</sub>H<sub>22</sub>O<sub>11</sub>** C 62,9 — H 4,1 — O 33,0 — M. G. 534.  
 1) **Kinoroth.** Sm. 160—170° (B. 11, 1880). — III, 687.  
 2) **Lakton d. Eichengerbsäure** (*Fr. 20*, 217). — III, 587.
- C<sub>20</sub>H<sub>22</sub>O<sub>13</sub>** 3) **Tetracetat d. Gallin.** Sm. 220° (A. 209, 269; B. 14, 1327). — II, 2086.  
 C 59,4 — H 3,9 — O 36,7 — M. G. 566.
- C<sub>20</sub>H<sub>22</sub>O<sub>14</sub>** 1) **Thujjetinsäure** (*J. 1858*, 514). — III, 614.
- C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>** C 57,7 — H 3,8 — O 38,5 — M. G. 582.  
 1) **Chinaroth.** Ca, Ba (A. 143, 271). — III, 586.  
 C 87,0 — H 5,7 — N 7,2 — M. G. 386.  
 1) **l-Phenylamido-2,3,5-Triphenylpyrrol.** Sm. bei 230° u. Zers. (B. 21, 551). — IV, 786.  
 2) **l,3,4,6-Tetraphenyl-1,2-Dihydro-1,2-Diazin.** Sm. 149° (Soc. 57, 647; A. 289, 325). — IV, 1082.  
 3) **Benzyllophin.** Sm. 165°. (2HCl, PtCl<sub>4</sub> + 3C<sub>6</sub>H<sub>6</sub>O) (Soc. 67, 39). — III, 27.  
 4) **Verbindung** (aus Benzil u. 6,6'-Diamido-3,3'-Dimethylbiphenyl). Sm. 235° (B. 26, 1705). — IV, 1095.
- C<sub>20</sub>H<sub>22</sub>N<sub>4</sub>** C 81,1 — H 5,3 — N 13,5 — M. G. 414.  
 1) **2,7-Di[Phenylamido]-1-Phenylazobenzol?** (B. 23, 528). — IV, 1397.  
 2) **Di[Phenylhydrazon] d. Diphenosuccindon.** Sm. bei 260—270° u. Zers. (A. 247, 156). — IV, 786.  
 3) **Di-Benzylidenamido-dimethyldiphenylenazon.** Sm. 239° u. Zers. (B. 26, 2241). — IV, 1283.
- C<sub>20</sub>H<sub>23</sub>N<sub>3</sub>** C 83,8 — H 5,7 — N 10,5 — M. G. 401.  
 1) **1,2,4-Tri[Phenylamido]naphthalin.** Sm. 148° (A. 256, 251). — IV, 1162.  
 2) **Verbindung** (aus Benzoimidhydrizin). Sm. 261° (J. pr. [2] 52, 126). — III, 225.
- C<sub>20</sub>H<sub>24</sub>O** C 89,4 — H 6,4 — O 4,2 — M. G. 376.  
 1) **α-Phenyl-4-Methylphenylpinakolin.** Sm. 214—215° (A. 189, 108; B. 10, 1477; 11, 71). — III, 265.  
 2) **β-Phenyl-4-Methylphenylpinakolin.** Sm. 136—137° (A. 189, 110; B. 10, 1477). — III, 266.
- C<sub>20</sub>H<sub>24</sub>O<sub>2</sub>** C 85,7 — H 6,1 — O 8,2 — M. G. 392.  
 1) **Anhydrid d. Hydrobensoin.** Sm. 131—132° (A. 160, 186; 198, 158; B. 24, 1782). — II, 1100.  
 2) **Anhydrid d. Isohydrobensoin.** Sm. 101—102,5° (A. 198, 159). — II, 1102.  
 3) **Acetat d. α-Oxy-ααβ-Tetraphenyläthan.** Sm. 131°. — II, 1095.
- C<sub>20</sub>H<sub>24</sub>O<sub>6</sub>** C 68,8 — H 4,9 — O 26,2 — M. G. 488.  
 1) **Verbindung** (aus s-Di[2,5-Dioxy-1-Methyl]biphenyl). Sm. 217—220° (M. 10, 180). — II, 956.
- C<sub>20</sub>H<sub>24</sub>O<sub>12</sub>** C 60,9 — H 4,3 — O 34,8 — M. G. 552.  
 1) **Eichenroth** (*Fr. 20*, 219). — III, 587.
- C<sub>20</sub>H<sub>24</sub>O<sub>13</sub>** C 59,2 — H 4,2 — O 36,6 — M. G. 568.  
 1) **Tetracetat d. Purpurogallin.** Sm. 186° (J. 1882, 683; B. 20, 1279). — III, 346.
- C<sub>20</sub>H<sub>24</sub>O<sub>19</sub>** C 50,6 — H 3,6 — O 45,8 — M. G. 664.  
 1) **Chebulinsäure + H<sub>2</sub>O** (B. 26 [2] 245).
- C<sub>20</sub>H<sub>24</sub>N<sub>2</sub>** C 86,6 — H 6,2 — N 7,2 — M. G. 388.  
 1) **αβ-Di[Benzylidenamido]-αβ-Diphenyläthan.** Sm. 152° (164°) (B. 22, 2301; 28, 3179; A. 245, 285). — IV, 979.  
 2) **4,4'-Di-Benzylidenamido-2,2'-Dimethylbiphenyl.** Sm. 172—173° (B. 28, 2554). — IV, 980.  
 3) **1,2-Di[1-Naphtylamidomethyl]benzol.** Sm. 148° (B. 31, 1158).  
 4) **1,4-Di[Methyl-2-Naphtylamido]benzol.** Sm. 180° (B. 22, 1081). — IV, 587.

- C<sub>28</sub>H<sub>24</sub>N<sub>2</sub>** 5)  $\alpha\beta$ -Di[4-Methylphenylimido]- $\alpha\beta$ -Diphenyläthan. Sm. 161° (M. 9, 691). — III, 284.  
6) Di[Phenylbenzylmethylen]hydrazin (Benzylphenylketazin). Sm. 164° (J. pr. [2] 52, 137). — III, 218.  
7)  $\alpha$ -Dibenzilazin (Biphenylbenzylazimethylen). Sm. 161—162° (J. pr. [2] 44, 184). — III, 288.  
8) Benzylamarin. Sm. 123—124°. HCl, (2HCl, PtCl<sub>4</sub> + 2½ H<sub>2</sub>O), H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>, Oxalat, (Ag, HCl) (B. 13, 1418, 1419; 16, 1273; 18, 1851, 3079). — III, 24.  
9) 8-Methyl-2,3-Diphenyl-1-[4-Methylphenyl]-1,2-Dihydro-1,4-Benzodiazin (B. 24, 721). — IV, 1076.  
10) Base (aus Hydrobenzamid) (A. 111, 153). — III, 21.  
C S<sub>8</sub>H<sub>7</sub>N<sub>4</sub> C S<sub>8</sub> — H 5,8 — N 13,4 — M. G. 416.  
1) Tetraphenyltetracarbazon. Sm. 137° (A. 232, 235). — IV, 1291.  
2) p-Diphenylbenzidihydrochinazolin. Sm. oberh. 300°. 2HCl, (2HCl, PtCl<sub>4</sub>) (B. 29, 1452). — IV, 1306.  
3) Verbindung (aus Anilin u. Glyoxal). (2HCl, PtCl<sub>4</sub>) (B. 11, 831; A. 140, 124). — II, 446.  
**C<sub>28</sub>H<sub>24</sub>N<sub>8</sub>** C 75,7 — H 5,4 — N 18,9 — M. G. 444.  
1) **2,3,5,6-Tetra[ $\rho$ -Aramidophenyl]-1,4-Diasin.** Sm. oberh. 260° u. Zers. 4HCl + 5H<sub>2</sub>O, (4HCl, PtCl<sub>4</sub> + 11H<sub>2</sub>O) (C. 1896 [1] 702).  
**C<sub>28</sub>H<sub>24</sub>N<sub>4</sub>** C 83,4 — H 6,2 — N 10,4 — M. G. 403.  
1) 5-Dimethylamido-2,4'-Di[Benzylidenamido]biphenyl. Sm. 146—147° (A. 303, 357).  
**C<sub>28</sub>H<sub>24</sub>N<sub>5</sub>** C 78,0 — H 5,8 — N 16,2 — M. G. 431.  
1) 1,3-Di[4-Methylphenylamido]methylen-2-Phenylimido-2,3-Dihydrobenzimidazol. Sm. 187° (B. 24, 2508). — IV, 567.  
2) 2-[4-Methylphenyl]imido-1,3-Di[Phenylamido]methylen-5-Methyl-2,3-Dihydrobenzimidazol. Sm. 176° (B. 24, 2522). — IV, 624.  
**C<sub>28</sub>H<sub>26</sub>O<sub>2</sub>** C 85,3 — H 6,6 — O 8,1 — M. G. 394.  
1)  $\alpha\beta$ -Dioxy- $\alpha\beta$ -Diphenyl- $\alpha\beta$ -Di[4-Methylphenyl]äthan (Phenyltolypinakon). Sm. 164—165° (B. 10, 1476). — II, 1106.  
2)  $\alpha$ -Desoxybenzoinpinnakon. Sm. 213° (A. 155, 62; 174, 332; J. r. 4, 353; 7, 46). — II, 1106.  
3)  $\beta$ -Desoxybenzoinpinnakon. Sm. 172° (A. 248, 9). — II, 1106.  
4) Isodesoxybenzoinpinnakon. Sm. 61° (A. 155, 98). — II, 1106.  
**C<sub>28</sub>H<sub>28</sub>O<sub>3</sub>** C 82,0 — H 6,3 — O 11,7 — M. G. 410.  
1)  $\alpha\beta\delta$ -Trioxy- $\beta\delta$ -Tetraphenylbutan. Sm. 175° (C. 1898 [1] 1232).  
**C<sub>28</sub>H<sub>28</sub>O<sub>4</sub>** C 78,9 — H 6,1 — O 15,0 — M. G. 426.  
1)  $\alpha\beta\gamma\delta$ -Tetraoxy- $\alpha\beta\gamma\delta$ -Tetraphenylbutan (Benzoinpinakon; Tetraphenylerythrit). Sm. bei 235° u. Zers. (C. 1898 [1] 1232).  
**C<sub>28</sub>H<sub>26</sub>O<sub>3</sub>** C 76,0 — H 5,9 — O 18,1 — M. G. 442.  
1) Saliretin (siehe C<sub>14</sub>H<sub>14</sub>O<sub>3</sub>) (A. ch. [3] 7, 215). — II, 1109.  
2)  $\alpha$ -[4-Isopropylbenzoat]- $\beta$ -Aethyläther d.  $\alpha\beta$ -Dioxy- $\gamma\delta$ -Diketo- $\alpha\beta$ -Diphenyl- $\alpha$ -Buten. Sm. 108—109° (B. 27, 714). — III, 318.  
**C<sub>28</sub>H<sub>28</sub>O<sub>4</sub>** C 73,4 — H 5,7 — O 20,9 — M. G. 458.  
1) 1,2-Phtalat d. 3,4-Dioxy-1-Allylbenzol-3-Methyläther (Ph. d. Eugenol). Sm. 95,5—99° (C. 1897 [2] 275; B. 30, 1796).  
C 70,9 — H 5,5 — O 23,6 — M. G. 474.  
1) Verbindung (aus 1,3-Dioxybenzol) (A. ch. [7] 1, 99). — II, 919.  
**C<sub>28</sub>H<sub>28</sub>O<sub>12</sub>** C 60,7 — H 4,7 — O 34,6 — M. G. 554.  
1) Chinovaroth (A. 79, 138; 143, 273). — III, 586.  
**C<sub>28</sub>H<sub>28</sub>N<sub>2</sub>** C 86,1 — H 6,7 — N 7,2 — M. G. 390.  
1) 1,2-Di[Diphenylamido]-R-Tetramethylen? Sm. 50° (B. 14, 2095). — IV, 1091.  
2) Base (aus d. Base C<sub>28</sub>H<sub>28</sub>N<sub>2</sub>). Sm. 163° (B. 26, 1705). — IV, 1091.  
C 80,4 — H 6,2 — N 13,4 — M. G. 418.  
1)  $\alpha\beta$ -Di[4-Benzylidenamidophenylamido]äthan. Sm. 226—227° (See 71, 424). — IV, 587.  
2)  $\alpha\beta$ -Di[ $\beta$ -Benzyliden- $\alpha$ -Phenylhydrazido]äthan. Sm. 194,5° (A. 254, 126). — IV, 750.  
3)  $\alpha\beta$ -Di[Phenylhydrazon]- $\alpha\delta$ -Diphenylbutan. Sm. bei 180° (B. 21, 3056). — IV, 786.  
4)  $\alpha\beta$ -Di[Methylphenylhydrazon]- $\alpha\beta$ -Diphenyläthan. Sm. 179—180° (A. 253, 16). — IV, 785.

- C<sub>18</sub>H<sub>26</sub>N<sub>6</sub>** C 75,3 — H 5,8 — N 18,8 — M. G. 446.  
 1) **Di[*o*-Azodibenzylamin].** Sm. 230° (*B.* **24**, 3558; **25**, 663). — **IV**, 1385.  
**C<sub>18</sub>H<sub>27</sub>N<sub>3</sub>** C 83,0 — H 6,7 — N 10,3 — M. G. 405.  
 1) **Phenylhydrazon d. Dibenzylidentropinon.** Sm. 193° (*B.* **30**, 735). — **IV**, 466.  
**C<sub>18</sub>H<sub>27</sub>N<sub>5</sub>** C 77,6 — H 6,2 — N 16,2 — M. G. 433.  
 1) **Base** (aus 1,3-Di[Phenylamido]benzol u. 4-Nitroso-1-Dimethylamidobenzol). Sm. 210—212°, + C<sub>6</sub>H<sub>6</sub> (Sm. 178°) (*A.* **286**, 205). — **IV**, 1285.  
 2) **Verbindung** (aus *s*-Biphenylformamidylphenylhydrazin), *a*-Derivat Sm. 258—260°; *β*-Derivat Sm. 258—260° (*B.* **26**, 1190). — **IV**, 1225.  
**C<sub>18</sub>H<sub>28</sub>O** C 88,4 — H 7,3 — O 4,2 — M. G. 380.  
 1) **5-Phenyl-2,3-Di[4-Isopropylphenyl]furan.** Sm. 85° (*B.* **26**, 64; *A.* **289**, 323). — **III**, 695.  
**C<sub>18</sub>H<sub>28</sub>O<sub>4</sub>** C 73,1 — H 6,1 — O 20,8 — M. G. 460.  
 1) **Triacetat d. Tri[4-Oxy-3-Methylphenyl]methan.** Sm. 170° (*B.* **27**, 1815).  
**C<sub>18</sub>H<sub>28</sub>O<sub>13</sub>** C 58,7 — H 4,9 — O 36,4 — M. G. 572.  
 1) **Hexaacetat d. Aloin.** Sm. 140—141° (*B.* **23** [2] 207). — **III**, 618.  
**C<sub>18</sub>H<sub>28</sub>O<sub>14</sub>** C 57,1 — H 4,8 — O 38,1 — M. G. 588.  
 1) **Eichenrindengerbsäure** + H<sub>2</sub>O. + 3PbO (*Fr.* **20**, 213). — **III**, 587.  
**C<sub>18</sub>H<sub>28</sub>N<sub>2</sub>** C 85,7 — H 7,1 — N 7,1 — M. G. 392.  
 1) *αβ*-Di[Benzylamido]-*αβ*-Diphenyläthan. Sm. 153° (*B.* **22**, 2301). — **IV**, 978.  
 2) *αβ*-Di[Phenylbenzylamido]äthan. Sm. 134—135° (*C.* **1898** [1] 381).  
 3) **Tetrabenzylhydrazin**? Sm. 149° (*A.* **257**, 225). — **IV**, 1089.  
 4) **Tetra[4-Methylphenyl]hydrazin.** Sm. 138° u. ger. Zers. (*Soc.* **67**, 1093). — **IV**, 805.  
 5) **Di[*α*(2)-Naphthylbutylylidene]hydrazin.** Sm. 130° (*B.* [3] **17**, 313).  
**C<sub>18</sub>H<sub>28</sub>N<sub>4</sub>** C 80,0 — H 6,7 — N 13,3 — M. G. 420.  
 1) **p-Benzylenimid** = (C<sub>6</sub>H<sub>5</sub>N)<sub>4</sub>. Sm. 110—115°. (4HCl, 2PtCl<sub>4</sub>) (*B.* **19**, 1612; **28**, 1650; *A.* **259**, 55). — **IV**, 186.  
 2) **4,4'-Di[Aethylphenylamido]azobenzol.** Sm. 178° (*M.* **4**, 798). — **IV**, 1363.  
 3) **2,2'-Di[2-Methylphenylamidomethyl]azobenzol.** Sm. 160° (*J. pr.* [2] **51**, 274). — **IV**, 1385.  
 4) **Verbindung** (aus *s*-Dibenzylhydrazin). Sm. 152° (*B.* **28**, 2346; *J. pr.* [2] **58**, 383). — **IV**, 811.  
**C<sub>18</sub>H<sub>28</sub>Pb** 1) **Bleitetra[4-Methylphenyl].** Sm. 239—240° (*B.* **20**, 721). — **IV**, 1716.  
**C<sub>18</sub>H<sub>28</sub>Si** 1) **Siliciumtetrabenzyl.** Sm. 127,5°; Sd. oberh. 550° (*B.* **18**, 1543; **19**, 1023). — **IV**, 1702.  
 2) **Siliciumtetra[3-Methylphenyl].** Sm. 150,8°; Sd. oberh. 550° (*B.* **19**, 1021). — **IV**, 1702.  
 3) **Siliciumtetra[4-Methylphenyl].** Sm. 228°; Sd. oberh. 450° (*B.* **18**, 1542; **19**, 1019). — **IV**, 1702.  
**C<sub>18</sub>H<sub>29</sub>O<sub>5</sub>** 1) **Farbstoff** (aus Beth-a-barra-Holz) + 3H<sub>2</sub>O = (C<sub>18</sub>H<sub>29</sub>O<sub>5</sub>). Sm. 135° (*Am.* **3**, 22). — **III**, 651.  
**C<sub>18</sub>H<sub>30</sub>O<sub>2</sub>** C 84,4 — H 7,6 — O 8,0 — M. G. 398.  
 1) *αβ*-Diketo-*δ*-Phenyl-*αβ*-Di[4-Isopropylphenyl]butan (Phenacyldeoxy-cuminoïn). Sm. 145° (*A.* **289**, 321; *B.* **26**, 63). — **III**, 308.  
**C<sub>18</sub>H<sub>30</sub>O<sub>4</sub>** C 78,1 — H 7,0 — O 14,9 — M. G. 430.  
 1) **Lakton d. 1-Di[3-Methyl-6-Isopropylphenoxy]oxymethylbenzol-2-Carbonsäure** (Thymolphthalid). Sm. 84—85° (*B.* **28**, 1876).  
**C<sub>18</sub>H<sub>30</sub>O<sub>5</sub>** C 75,3 — H 6,7 — O 17,9 — M. G. 446.  
 1) **Stearopten** (aus Cassiaöl) (*J.* **1850**, 509). — **III**, 58.  
**C<sub>18</sub>H<sub>30</sub>O<sub>7</sub>** C 70,3 — H 6,3 — O 23,4 — M. G. 478.  
 1) **Cubebensäure** (oder C<sub>18</sub>H<sub>14</sub>O<sub>7</sub>) + H<sub>2</sub>O (*J.* **1861**, 411; **1870**, 881; **1873**, 863). — **II**, 114.  
 2) **Anhydrid d. Dihydrocureumin.** Sm. bei 120° (*Am.* **4**, 360). — **III**, 660.  
**C<sub>18</sub>H<sub>30</sub>O<sub>16</sub>** C 55,4 — H 4,9 — O 39,6 — M. G. 606.  
 1) **Eichengerbsäure** (*Fr.* **20**, 213). — **III**, 587.  
**C<sub>18</sub>H<sub>30</sub>N<sub>8</sub>** C 70,3 — H 6,3 — N 23,4 — M. G. 478.  
 1) **5,5'-Diphenylazo-4,4'-Diamido-2,2'-Di[Dimethylamido]biphenyl.** (4HCl, PtCl<sub>4</sub>) (*B.* **30**, 2944). — **IV**, 1403.

- C<sub>18</sub>H<sub>32</sub>O<sub>10</sub>** C 63,6 — H 6,1 — O 30,3 — M. G. 528.  
1) **Triacetat d. Kosin** (*C. 1897* [2] 1076).
- C<sub>25</sub>H<sub>32</sub>N<sub>2</sub>** C 84,8 — H 8,1 — N 7,1 — M. G. 396.
- C<sub>29</sub>H<sub>32</sub>N<sub>4</sub>** 1) **P-Di[Diäethylamido]-P-Binaphthal.** Sm. 190°; Sd. oberh. 360° (*Soc. 41*, 182). — **IV, 1073.**  
C 79,2 — H 7,5 — N 13,2 — M. G. 424.
- C<sub>28</sub>H<sub>34</sub>O** 1) **4,4'-Di[Diäethylamido]-1,1-Azonaphthalin.** Sm. 143°. 2 Pikrat (*M. 16*, 803). — **IV, 1391.**  
C 87,1 — H 8,8 — O 4,1 — M. G. 386.
- C<sub>28</sub>H<sub>34</sub>O<sub>5</sub>** 1) **β-Oxy-ααn-Tri[4-Methylphenyl]-β-Methylpropan.** Sd. oberh. 300° (*J. pr. [2] 37*, 370). — **II, 1094.**  
C 72,1 — H 7,3 — O 20,6 — M. G. 450.
- C<sub>29</sub>H<sub>34</sub>O<sub>17</sub>** 1) **Bixin.** Sm. 175—176°. Na + 2H<sub>2</sub>O. Na<sub>2</sub> + 2H<sub>2</sub>O, K + 2H<sub>2</sub>O, K<sub>2</sub> + 2H<sub>2</sub>O, Ca, Ba (*J. 1861*, 709; **1864**, 546; **1867**, 730; *B. 3*, 166; **II**, 864; **30**, 1972). — **III, 651.**  
C 52,3 — H 5,3 — O 42,4 — M. G. 642.
- C<sub>29</sub>H<sub>34</sub>N<sub>4</sub>** 1) **Lokain.** NH<sub>4</sub> (*J. 1869*, 1169; **1871**, 1106; **1872**, 1068). — **III, 596.**  
C 78,9 — H 8,0 — N 13,1 — M. G. 426.
- C<sub>38</sub>H<sub>35</sub>N<sub>3</sub>** 1) **4-[4-Diäethylamidobenzylidenamido]benzol.** Sm. 206,5—207,5°. 2HCl + 7H<sub>2</sub>O (*B. 31*, 2255).  
C 81,3 — H 8,5 — N 10,2 — M. G. 413.  
1) **Tri[4-norm. Propylphenyl]guanidin.** (2HCl, PtCl<sub>4</sub>) (*B. 17*, 1226). — **II, 549.**  
2) **Tri[2,4,6-Trimethylphenyl]guanidin.** Sm. 225° (*B. 15*, 1014).  
C 77,1 — H 8,2 — O 14,7 — M. G. 436.
- C<sub>28</sub>H<sub>36</sub>O<sub>4</sub>** 1) **Diisoamylester d. α-Truxillsäure** (*B. 22*, 2242). — **II, 1901.**  
C 52,2 — H 5,6 — O 42,2 — M. G. 644.
- C<sub>28</sub>H<sub>36</sub>O<sub>17</sub>** 1) **Tetracytethylmygalinsäure + H<sub>2</sub>O** (*A. 154*, 352). — **II, 2108.**  
C 78,5 — H 8,4 — N 13,1 — M. G. 428.
- C<sub>28</sub>H<sub>36</sub>N<sub>4</sub>** 1) **Tetralutidin.** (HCl, PtCl<sub>4</sub>) (*J. 1881*, 430). — **IV, 132.**  
C 81,0 — H 8,9 — N 10,1 — M. G. 415.
- C<sub>28</sub>H<sub>37</sub>N<sub>3</sub>** 1) **Tri[4-Dimethylamido-2-Methylphenyl]methan.** Sm. 190—191° (*B. 24*, 362). — **IV, 1199.**  
2) **5-Amido-4',4"-Di[Diäethylamido]-2'-Methyltrifluoromethan.** Sm. 103° (*B. 24*, 3135). — **IV, 1197.**  
C 76,7 — H 8,7 — O 14,6 — M. G. 438.
- C<sub>28</sub>H<sub>38</sub>O<sub>4</sub>** 1) **Bryogenin** (*Bl. [3] 9*, 1055). — **III, 573.**  
2) **d-Diborneoester d. Benzol-1,2-Dicarbonsäure.** Sm. 101° (*B. 22* [2] 255). — **III, 47L.**  
3) **l-Diborneoester d. Benzol-1,2-Dicarbonsäure.** Sm. 101° (*B. 22* [2] 255). — **III, 472.**  
4) **Diisoborneoester d. Benzol-1,2-Dicarbonsäure.** Sm. 118° (*B. 22* [2] 255). — **III, 473.**
- C<sub>28</sub>H<sub>38</sub>O<sub>19</sub>** C 49,6 — H 5,6 — O 44,8 — M. G. 678.  
1) **Oktacetylidyglykose.** Sm. 39—40° (*Bl. 12*, 204; *B. 12*, 1940; **26**, 2402). — **I, 1049.**  
2) **isom. Oktacetylidyglykose.** Sm. 134° (*B. 12*, 1940; **13**, 266; **22**, 1466; **25** [2] 911; **26**, 2402). — **I, 1049.**  
3) **Oktacetylmaltose.** Sm. 158—159° (156—157°) u. Zers. (*B. 13*, 267; **28**, 440, 1019; *A. 220*, 215; *Soc. 67*, 212). — **I, 1061.**  
4) **Oktacetylmalbiose.** Sm. 170—171° (*B. 23*, 1441). — **I, 1061.**  
5) **Oktacetylmilchzucker.** Sm. 95—100° (*B. 12*, 1936; **13**, 266; **25**, 1453; *A. 220*, 218; *Bl. 12*, 208). — **I, 1064.**  
6) **Oktacetylrohrzucker.** Sm. 78° (67°) (*Bl. 12*, 208; *B. 12*, 1936; **13**, 267; *J. 1887*, 2260). — **I, 1070.**  
7) **Oktacetyltrehalose.** Sm. 97—98° (*B. 24* [2] 554). — **I, 1070.**  
C 86,3 — H 10,0 — N 3,6 — M. G. 389.
- C<sub>21</sub>H<sub>39</sub>N** 1) **5-Pentadekylakridin.** Sm. 65°. HCl, H<sub>2</sub>SO<sub>4</sub> (*G. 21* [2] 235). — **IV, 421.**  
C 82,4 — H 9,8 — O 7,8 — M. G. 408.
- C<sub>21</sub>H<sub>40</sub>O<sub>2</sub>** 1) **β-Paracatol.** Sm. 236° (*A. 199*, 80; **271**, 307).  
2) **γ-Paracatol.** Sm. 240—242° (*A. 199*, 81; **271**, 307).
- C<sub>21</sub>H<sub>40</sub>O<sub>4</sub>** C 76,4 — H 9,1 — O 14,5 — M. G. 440.  
1) **Verbindung** (aus Bixin) (*B. 11*, 807). — **III, 651.**

- C<sub>28</sub>H<sub>40</sub>O<sub>7</sub>** C 68,9 — H 8,2 — O 22,9 — M. G. 488.  
 1) **Verbindung** (aus Bixin) (*B. 11*, 867). — **III**, 651.
- C<sub>28</sub>H<sub>40</sub>O<sub>2</sub>** C 81,9 — H 10,3 — O 7,8 — M. G. 410.  
 1) **Acetat d. Ergosterin.** Sm. 169° u. Zers. (*A. ch. [6] 20*, 294). — **II**, 1076.  
**C<sub>28</sub>H<sub>42</sub>O<sub>4</sub>** C 76,0 — H 9,5 — O 14,5 — M. G. 442.  
 1) **Parigenin** (*J. 1877*, 907). — **III**, 600.  
 2) **Dimenthylester d. Benzol-1,2-Dicarbonsäure.** Sm. 133° (*A. ch. [6] 7*, 485). — **III**, 467.
- C<sub>28</sub>H<sub>42</sub>O<sub>5</sub>** C 66,4 — H 8,3 — O 25,3 — M. G. 506.  
 1) **Urechitin + xH<sub>2</sub>O** (*J. 1878*, 974). — **III**, 614.  
 2) **Trimethylester d. Biliansäure.** Sm. 126—127° (*B. 19*, 482). — **II**, 2076.  
 3) **Trimethylester d. Isobilianinsäure.** Sm. 98° (*B. 19*, 1531). — **II**, 2077.
- C<sub>28</sub>H<sub>44</sub>O<sub>24</sub>** C 44,1 — H 5,5 — O 50,4 — M. G. 762.  
 1) **Pektin** (siehe auch C<sub>21</sub>H<sub>44</sub>O<sub>23</sub>) (*A. 51*, 356). — **I**, 1105.
- C<sub>28</sub>H<sub>43</sub>N<sub>2</sub>** C 82,8 — H 10,3 — N 6,9 — M. G. 406.  
 1) **Diönanthylidendi[4 - Methyliphenyl]diamin.** Fl. (*A. 140*, 97). — **II**, 511.
- C<sub>28</sub>H<sub>44</sub>O<sub>2</sub>** C 81,6 — H 10,7 — O 7,7 — M. G. 412.  
 1) **Lactuceerin** (Lactucon). Sm. 210° (*A. 60*, 83; **238**, 220). — **III**, 634.  
 2) **Acetat d. Lupeol.** Sm. 223° (*H. 15*, 423). — **II**, 1077.
- C<sub>28</sub>H<sub>44</sub>O<sub>7</sub>** C 68,3 — H 8,9 — O 22,8 — M. G. 492.  
 1) **Diacetylcholsäure** (*J. r. 18*, 164; **19**, 2003).  
 2) **Trimethylester d. Cholansäure.** Sm. 121° (*B. 19*, 478). — **II**, 2017.  
 3) **Trimethylester d. Isocholansäure.** Sm. 135—136° (*B. 19*, 1530). — **II**, 2018.
- C<sub>28</sub>H<sub>44</sub>N<sub>4</sub>** C 77,1 — H 10,1 — N 12,8 — M. G. 436.  
 1) **4,4'-Di[Dihydrobutyramido]azobenzol.** Sm. 158°. 2 + 6J (*M. 3*, 713; *4*, 291). — **IV**, 1362.
- C<sub>28</sub>H<sub>44</sub>O** C 84,4 — H 11,6 — O 4,0 — M. G. 398.  
 1) **Verbindung** (aus Copal). Sd. 199—201° (*C. 1896* [2] 795).
- C<sub>28</sub>H<sub>46</sub>O<sub>2</sub>** C 81,2 — H 11,1 — O 7,7 — M. G. 414.  
 1) **Acetat d. Cholesterin** (oder C<sub>28</sub>H<sub>46</sub>O<sub>3</sub>). Sm. 114,3—114,7° (II 13°) (*B. 5*, 513; *A. ch. [3] 56*, 60; *J. 1866*, 1301; *Bl. 47*, 899; *M. 9*, 428; *15*, 367, 370). — **II**, 1073.
- 2) **Acetat d. Isocholesterin.** Sm. unter 100° (*J. pr. [2] 7*, 174). — **II**, 1075.  
 3) **Acetat d. Phytosterin.** Sm. 120° (*A. 228*, 296). — **II**, 1075.  
 4) **Verbindung** (aus Gurjunbalsamharz). Sm. 126° (*J. 1877*, 967). — **III**, 559.
- C<sub>28</sub>H<sub>46</sub>O<sub>10</sub>** C 62,0 — H 8,5 — O 29,5 — M. G. 542.  
 1) **β-Digitoxin + 5H<sub>2</sub>O.** Sm. 145—150° (*B. 28* [2] 1057).
- C<sub>28</sub>H<sub>45</sub>O** C 84,0 — H 12,0 — O 4,0 — M. G. 400.  
 1) **Chironol.** Sm. 176° (*B. 28* [2] 1056).  
 2) **Homocholesterin.** Sm. 183° (*G. 18*, 209). — **II**, 1076.
- C<sub>28</sub>H<sub>44</sub>O<sub>3</sub>** C 77,8 — H 11,1 — O 11,1 — M. G. 432.  
 1) **Verbindung** (des Cholesterin mit Essigsäure). Sm. 110° (*J. 1863*, 545). — **II**, 1073.  
 2) **Verbindung** (aus Isobutyraldehyd). Sd. 227—229°<sub>100</sub> (*Soc. 43*, 95; *M. 19*, 374). — **I**, 947.
- C 75,0 — H 10,7 — O 14,3 — M. G. 448.  
 1) **Chironolsäure** (*B. 28* [2] 1056).  
 2) **Stearocutinsäure** (*J. 1885*, 1802). — **I**, 1079. \*
- C<sub>28</sub>H<sub>50</sub>O** C 83,6 — H 12,4 — O 4,0 — M. G. 402.  
 1) **Tetraönanthaidehyd.** Sd. 330—340° (*B. 16*, 2805, 2807; *16*, 211). — **I**, 954, 962.
- C<sub>28</sub>H<sub>50</sub>O<sub>13</sub>** C 56,6 — H 8,4 — O 35,0 — M. G. 594.  
 1) **Säure** (aus Jalapinsäure). Sm. 80°. Ba (*A. 95*, 158). — **III**, 595.
- C<sub>28</sub>H<sub>51</sub>O<sub>2</sub>** C 80,0 — H 12,4 — O 7,6 — M. G. 420.  
 1) **Stearat d. d-Borneol** (*A. 112*, 366). — **III**, 470.
- C<sub>28</sub>H<sub>51</sub>O<sub>2</sub>** C 79,6 — H 12,8 — O 7,6 — M. G. 422.  
 1) **Stearat d. Menthol.** Sm. 39° (*J. pr. [2] 55*, 17).  
 2) **Wachs** (aus Cladonia rangiformis). Sm. 81° (*J. pr. [2] 57*, 275).  
 3) **Verbindung** (aus Kamala). Sm. 82° (*Soc. 63*, 985). — **III**, 671.
- C<sub>28</sub>H<sub>54</sub>O<sub>3</sub>** C 76,7 — H 12,3 — O 11,0 — M. G. 438.  
 1) **Verbindung** (aus polym. Oenanthol). Sm. 330—340°<sub>100</sub> (*B. 5*, 481; *6*, 982; *Soc. 43*, 82). — **I**, 955.

- $C_{25}H_{56}O_2$  C 79,2 — H 13,2 — O 7,5 — M. G. 424.  
 1) Geocerain. Sm. 80° (*J. 1852*, 649). — **I**, 689.  
 2) Geocerinsäure. Sm. 82° (*J. 1852*, 649). — **I**, 689.  
 3) Methylester d. Cerotinsäure. Sm. 60° (*A. 224*, 233). — **I**, 449.  
 4) Dodekylester d. Palmitinsäure. Sm. 41° (*B. 16*, 3019). — **I**, 449.  
 5) Acetat d. Cerylalkohol. Sm. 63,5° (*B. 30*, 1418).
- $C_{25}H_{56}O_4$  C 73,7 — H 12,3 — O 14,0 — M. G. 456.  
 1) Glycerinmonocerotin. Sm. 78,75° (*C. 1896* [1] 642).
- $C_{25}H_{56}O_2$  C 79,6 — H 13,7 — O 7,6 — M. G. 426.  
 1) Drimol. Sm. 73—74° (*A. 286*, 374; *C. 1896* [2] 715). — **III**, 630.

 **$C_{25}$ -Gruppe mit drei Elementen.**

- $C_{25}H_{14}O_{14}N_3$  1) Chryiodin (*A. 72*, 289). — **III**, 428.  
 $C_{25}H_{12}OCl_6$  1) Oktochlortetraphenylfuran (Oktochlorlepiden). Sm. 97° (*A. 153*, 357). — **III**, 696.
- $C_{25}H_{12}O_{14}N_4$  C 53,5 — H 1,9 — O 35,7 — N 8,9 — M. G. 628.  
 1) Dibenzooat d. 1,6-Dioxy-9,10-Anthrachinon (*A. 142*, 90). — **III**, 428.
- $C_{25}H_{14}OCl_6$  1) Hexachloritetraphenylfuran (Hexachlorlepiden). Sm. 80—89° (*A. 153*, 356). — **III**, 696.
- $C_{25}H_{14}O_4N_4$  C 62,9 — H 2,6 — O 24,0 — N 10,5 — M. G. 534.  
 1) p-Dinitro-4,4'-Diphtalylamidobiphenyl (*B. 17*, 1182). — **IV**, 966.
- $C_{25}H_{14}N_6Br_4$  1) Tetrabromotetraimidoasanthracen. Sm. 233° (*B. 14*, 1336). — **III**, 412.
- $C_{25}H_{15}OCl_6$  1) Pentachloritetraphenylfuran (Pentachlorlepiden). Sm. 186° (*A. 153*, 355). — **III**, 696.
- $C_{25}H_{15}O_5N$  C 75,5 — H 3,4 — O 18,0 — N 3,1 — M. G. 445.  
 1) Benzenylbenzoylamidoalizarin (Benzooat d. Oxyphenylanthrachinon-oxazol). Sm. oberh. 300° (*B. 18*, 1669). — **III**, 424.
- $C_{25}H_{16}ON_3$  C 84,8 — H 4,0 — O 4,0 — N 7,2 — M. G. 396.  
 1) Anhydrophenanthrenchinonimid. Sm. 247° (*B. 12*, 1643). — **III**, 444.
- $C_{25}H_{16}O_4N_2$  C 75,7 — H 3,6 — O 14,4 — N 6,3 — M. G. 444.  
 1) p-Dinitro-9,9'-Bianthryl. Sm. 337° u. Zers. (*B. 20*, 2433). — **II**, 304.  
 2) 2,4'-Di[Phtalylamido]biphenyl. Sm. 255—257° (*B. 22*, 3013). — **IV**, 960.  
 3) 4,4'-Diphtalylamidobiphenyl. Sm. oberh. 360° (*B. 17*, 1181). — **IV**, 966.  
 4) p-Diphtalylamidobiphenyl. Sm. 193—195° (*B. 17*, 1183). — **IV**, 966.
- $C_{25}H_{16}O_6N_2$  C 70,6 — H 3,4 — O 20,1 — N 5,9 — M. G. 476.  
 1) Imidohydroxyl-9,10-Anthrachinon? Sm. 240° (*A. 166*, 153). — **III**, 410.  
 2) p-Dinitro-9,10-Anthrachinon + Anthracen (*Z. 1869*, 115). — **III**, 411.
- $C_{25}H_{16}O_6N_6$  C 63,2 — H 3,0 — O 18,0 — N 15,8 — M. G. 532.  
 1) Trinitrophenylrosindulin (*A. 286*, 214). — **IV**, 1206.
- $C_{25}H_{16}O_6N_6$  C 59,6 — H 2,8 — O 22,7 — N 14,9 — M. G. 564.  
 1) Tetranitrotetraphenyl-1,4-Diasin. Sm. 130—140° (*B. 21*, 1271). — **IV**, 1095.
- $C_{25}H_{16}O_6Br_2$  1) 2,6-Dibrom-3,4,5-Tribenzoxybenzol-1-Carbonsäure. Sm. 95—96° (*Bl. [3] 9*, 117). — **II**, 1924.
- $C_{25}H_{16}O_6N_{12}$  C 43,3 — H 2,1 — O 33,0 — N 21,6 — M. G. 776.  
 1) Oktonitroderivat d. Verb.  $C_{25}H_{16}N_4$  (*B. 11*, 831). — **II**, 446.
- $C_{25}H_{16}Cl_8S$  1) Tetrachloritetraphenylthiophen (*A. 153*, 352). — **III**, 750.
- $C_{25}H_{16}Br_8S$  1) Tetrabromtetraphenylthiophen (*A. 144*, 195). — **III**, 750.
- $C_{25}H_{17}ON$  C 87,7 — H 4,4 — O 4,2 — N 3,7 — M. G. 383.  
 1) Verbindung (aus Phenanthrenchinon u. Benzylamin) (*Soc. 67*, 47).
- $C_{25}H_{17}O_4N$  C 84,2 — H 4,3 — O 8,0 — N 3,5 — M. G. 390.  
 1) Anhydrobisdiketohydrinden-2-Naphthalid (*B. 30*, 3144).
- $C_{25}H_{17}O_4N_2$  C 73,3 — H 3,7 — O 13,9 — N 9,1 — M. G. 459.  
 1) Dianthrachinonamidoimid (*J. pr. [2] 18*, 156). — **III**, 424.
- $C_{25}H_{17}O_4N_3$  C 61,0 — H 3,1 — O 23,2 — N 12,7 — M. G. 551.  
 1) 2,3,4,5-Tetra[<sup>p</sup>-Nitrophenyl]pyrrol. Zers. bei 123° (*B. 22*, 554). — **IV**, 478.

- C<sub>29</sub>H<sub>17</sub>O<sub>9</sub>N<sub>3</sub>** C 62,3 — H 3,1 — O 26,7 — N 7,8 — M. G. 539.  
 1) **Verbindung** (aus 1,5-Dinitro-9,10-Anthrachinon) (B. 17, 894). — **III, 412.**  
 2) **isom. Verbindung** (aus 1,5-Dinitro-9,10-Anthrachinon) (B. 17, 894). — **III, 412.**
- C<sub>29</sub>H<sub>17</sub>O<sub>9</sub>N<sub>3</sub>** C 57,2 — H 2,9 — O 32,7 — N 7,1 — M. G. 587.  
 1) **Verbindung** (aus 1,5-Dinitro-9,10-Anthrachinon) (B. 17, 894). — **III, 412.**
- C<sub>29</sub>H<sub>17</sub>Br<sub>2</sub>S** 1) **Tribromtetraphenylthiophen.** Sm. 265—270° (A. 144, 194). — **III, 750.**
- C<sub>29</sub>H<sub>15</sub>OCl<sub>2</sub>** 1) **Dichlortetraphenylfuran** (Dichlorlepiden). Sm. 169° (J. r. 5, 22; 7, 333). — **III, 695.**  
 2) **isom. Dichlortetraphenylfuran** (Dichlorlepiden). Sm. 156° (A. 163, 355). — **III, 695.**  
 3) **Iodochlorlepiden.** Sm. 166° (J. r. 7, 194, 331). — **III, 695.**
- C<sub>29</sub>H<sub>17</sub>OBr<sub>2</sub>** 1) **Dibromtetraphenylfuran** (Dibromlepiden). Sm. 190° (185°) (Z. 1867, 315; A. 153, 131; J. r. 7, 330). — **III, 696.**
- C<sub>29</sub>H<sub>15</sub>O<sub>2</sub>N<sub>4</sub>** C 81,2 — H 4,3 — O 7,7 — N 6,8 — M. G. 414.  
 1) **Dibenzoyleidimidotolan.** Sm. 239,5—240,5°. + C<sub>6</sub>H<sub>6</sub> (J. r. 16, 581). — **III, 282.**  
 2) **Acetat d. 4-Oxynaphthindon.** Sm. 290—295° (A. 272, 343). — **IV, 1085.**  
 3) **Benzoyl d. 2-[2-Oxypheyl]phenanthrenimidasol.** Sm. 218—220° (Soe. 41, 146). — **III, 447.**
- C<sub>29</sub>H<sub>17</sub>O<sub>2</sub>N<sub>4</sub>** C 76,0 — H 4,1 — O 7,2 — N 12,7 — M. G. 442.  
 1) **Nitrophenylosindolin.** Sm. 270° (A. 286, 213). — **IV, 1206.**
- C<sub>29</sub>H<sub>17</sub>O<sub>2</sub>Cl<sub>2</sub>** 1) **Dichloroxylepiden.** Sm. 178° (A. 153, 353). — **III, 313.**  
 2) **isom. Dichloroxylepiden.** Sm. 202° (J. r. 5, 23; 7, 332; J. 1876, 426). — **III, 312.**  
 3) **isom. Dichloroxylepiden.** Sm. 230° (J. r. 7, 191). — **III, 313.**  
 4) **isom. Dichloroxylepiden** (J. r. 7, 191). — **III, 313.**
- C<sub>29</sub>H<sub>17</sub>O<sub>2</sub>Br<sub>2</sub>** 1) **Dibromoxylepiden.** Sm. 222° (J. r. 7, 329; J. 1876, 425). — **III, 313.**  
 2) **isom. Dibromoxylepiden** (2 Isomere). Sm. 239° (J. r. 7, 329; J. 1876, 425). — **III, 313.**
- C<sub>29</sub>H<sub>15</sub>O<sub>6</sub>N<sub>2</sub>** C 71,4 — H 3,7 — O 20,1 — N 5,8 — M. G. 478.  
 1) **P-Dinitro-9,10-Anthrachinon + Stilben** (Z. 1869, 116). — **III, 411.**  
 2) **Dibenzoat d. 1,5-Di[Hydroxylamido]-9,10-Anthrachinon.** Sm. 188° (B. 29, 2936).
- C<sub>29</sub>H<sub>17</sub>O<sub>7</sub>N<sub>2</sub>** C 68,0 — H 3,6 — O 22,7 — N 5,7 — M. G. 494.  
 1) **Diphenylcarbamidoflavopurpurin** (B. 18, 2610). — **III, 435.**
- C<sub>29</sub>H<sub>17</sub>O<sub>7</sub>N<sub>4</sub>** C 64,4 — H 3,5 — O 21,4 — N 10,7 — M. G. 522.  
 1) **Verbindung** (aus 1,5-Dinitro-9,10-Anthrachinon) (B. 17, 895). — **III, 412.**
- C<sub>29</sub>H<sub>17</sub>O<sub>7</sub>Br<sub>1</sub>** **Tetracetat d. Dibromhydrogallein.** Sm. 234° (A. 209, 266). — **II, 2093.**
- C<sub>29</sub>H<sub>15</sub>Cl<sub>2</sub>S** **Dichlortetraphenylthiophen.** Sm. 219° (A. 153, 351). — **III, 750.**
- C<sub>29</sub>H<sub>15</sub>ON<sub>5</sub>** C 71,3 — H 4,6 — O 3,9 — N 10,2 — M. G. 413.  
 1) **Diphenanthrenoxytriimid.** α-Modif. Sm. 282°; β-Modif. Sm. oberh. 300° (M. I, 149, 157). — **III, 444.**  
 2) **α-Oxy-ααα-Tri[β-Chinolyl]methan.** Sm. 198° (B. 24, 1608). — **IV, 1221.**  
 3) **7-Phenylamidorosindon** (A. 286, 226). — **IV, 1207.**
- C<sub>29</sub>H<sub>17</sub>OCl** 1) **Chlortetraphenylfuran** (Chlorlepiden). Sm. 143—146° (A. 153, 355). — **III, 695.**
- C<sub>29</sub>H<sub>17</sub>O<sub>2</sub>Cl** 1) **Chloroxylepiden.** Sm. 185° (J. r. 5, 21). — **III, 312.**
- C<sub>29</sub>H<sub>17</sub>O<sub>4</sub>N** C 77,6 — H 4,4 — O 14,8 — N 3,2 — M. G. 433.  
 1) **Mono-1-Naphthylamid d. Pulvinsäure.** Sm. 211—212°. NH<sub>4</sub>, Ba (A. 282, 28). — **II, 2031.**  
 2) **Mono-2-Naphthylamid d. Pulvinsäure.** Sm. 192°. NH<sub>4</sub>, Ba (A. 282, 29). — **II, 2031.**
- C<sub>29</sub>H<sub>17</sub>O<sub>6</sub>N** C 72,2 — H 4,1 — O 20,6 — N 3,0 — M. G. 465.  
 1) **Dimethylätther d. Galleinanolid.** Sm. 205° (B. 27, 2794). — **II, 2088.**  
 2) **1-Naphthylimid d. Dibensoylweinsäure.** Sm. 215—217° (A. 279, 150).  
 3) **2-Naphthylimid d. Dibensoylweinsäure.** Sm. 179—180° (A. 279, 152).
- C<sub>29</sub>H<sub>20</sub>ON<sub>2</sub>** C 84,0 — H 5,0 — O 4,0 — N 17,0 — M. G. 400.  
 1) **4-Benzoyl-1,3,5-Triphenylpyrazol.** Sm. 172—173° (G. 24 [1] 12). — **IV, 1037.**
- C<sub>29</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>** C 80,8 — H 4,8 — O 7,7 — N 6,7 — M. G. 416.  
 1) **Di[Phenylbenzoylmethylen]hydrazin** (Bisphenylbenzoylazimethylen). Sm. 202° (J. pr. [2] 52, 132). — **III, 225.**

- $C_{20}H_{20}O_2N_2$  2) Aethyläther d. 4-Oxynaphtindon. Sm. oberh. 340° (*A. 272*, 344). — IV, 1085.
- $C_{20}H_{20}O_2Cl_2$  1) Hydrodichloroxylepiden. Sm. 261° (*J. 1875*, 413). — III, 309.
- $C_{20}H_{20}O_2Br_2$  1) Hydrodibromoxylepiden (*J. 1876*, 425; *J. r. 7*, 330). — III, 310.
- $C_{20}H_{20}O_2N_2$  C 77,8 — H 4,6 — O 11,1 — N 6,5 — M. G. 432.
- 1) Verbindung (aus Dibenzaldiphenylhydrotetrazon). Sm. 183—187° (*G. 27* [2] 287). — IV, 749.
- $C_{20}H_{20}O_2N_4$  C 73,0 — H 4,3 — O 10,4 — N 12,2 — M. G. 460.
- 1) Anhydrid d. Di[Diphenylhydrazone]äthan- $\alpha\beta$ -Dicarbonsäure. Sm. 218—220° u. Zers. (*B. 20*, 543). — IV, 730.
- $C_{20}H_{20}O_2Cl_2$  1) Dichloroxylepidsäure. Sm. 182° (*J. r. 7*, 191; *J. 1875*, 411). — III, 310.
- $C_{20}H_{20}O_2Br_2$  1) Dibromoxylepidsäure (*J. 1876*, 425; *J. r. 7*, 330). — III, 310.
- $C_{20}H_{20}O_2N_2$  C 75,0 — H 4,5 — O 14,3 — N 6,2 — M. G. 448.
- 1) Benzidylphthalaldehydsäure. Zers. bei 200° (*B. 24*, 2351). — IV, 966.
- $C_{20}H_{20}O_2Br_2$  1) Dibenzosat d.  $\alpha\beta$ -Dibrom- $\alpha\beta$ -Di[2-Oxyphenyl]äthan. Sm. 58—59° (*B. 24*, 3180). — II, 1151.
- 2) isom. Dibenzosat d.  $\alpha\beta$ -Dibrom- $\alpha\beta$ -Di[2-Oxyphenyl]äthan. Sm. 176° u. Zers. (*A. 277*, 357). — II, 1151.
- $C_{20}H_{20}O_2N_2$  C 70,0 — H 4,2 — O 20,0 — N 5,8 — M. G. 480.
- 1) 4,4'-Di[Benzoylamido'biphenyl-3,3'-Dicarbonsäure. Sm. 302—304°.  $(NH_4)_2 + 2H_2O$  (*B. 31*, 2582).
- $C_{20}H_{20}O_2N_2$  C 56,4 — H 3,3 — O 21,5 — N 18,8 — M. G. 596.
- 1) Tetranitroderivat d. Verb.  $C_{20}H_{20}N_4$  (*B. 11*, 831). — II, 446.
- $C_{20}H_{20}O_2Cl$  1) 7-Chlorphenylat d. 5-Phenylamido- $\alpha\beta$ -Naphtophenazin (Phenylrosindulinchlorid) (*B. 31*, 2431).
- 2) 12-Chlorphenylat d. 10-Phenylamido- $\alpha\beta$ -Naphtophenazin. 2+PtCl<sub>4</sub> (*B. 30*, 2635). — IV, 1201.
- $C_{20}H_{20}ON$  C 86,8 — H 5,4 — O 4,1 — N 3,6 — M. G. 387.
- 1) 2-Keto-3,3,4,5-Tetraphenyl-2,3-Dihydropyrrol. Sm. 206—207° (*Soc. 59*, 142). — III, 311.
  - 2) Dibenzoylstilbenimid. Sm. 180—182° (*Soc. 59*, 142). — III, 311.
- $C_{20}H_{20}ON_2$  C 75,9 — H 4,7 — O 3,6 — N 15,8 — M. G. 443.
- 1) 4-[4-Phenylamidophenyl]-1-[2-Oxy-1-Naphtylazo]benzol. Sm. 203—204° (*Soc. 43*, 441). — IV, 1434.
- $C_{20}H_{20}O_2N$  C 83,4 — H 5,2 — O 7,9 — N 3,5 — M. G. 403.
- 1)  $\alpha$ -Phenylamido- $\beta\beta$ -Dibenzoyl- $\alpha$ -Phenyläthen. Sm. 140—142° (*A. 291*, 104). — III, 322.
- $C_{20}H_{20}O_2N_2$  C 78,0 — H 4,9 — O 7,4 — N 9,7 — M. G. 431.
- 1) 1,3-Dibenzoyl-2-[4-Methylphenyl]imido-2,3-Dihydrobenzimidazol. Sm. 191° (*B. 24*, 2512). — IV, 567.
  - 2) 1,3-Dibenzoyl-2-Phenylimido-5-Methyl-2,3-Dihydrobenzimidazol. Sm. 222° (*B. 24*, 2516). — IV, 623.
  - 3) Verbindung (aus ?-Amidoanthracen). Sm. 250° (*B. 16*, 1638). — II, 640.
- $C_{20}H_{20}O_2N_5$  C 73,2 — H 4,6 — O 7,0 — N 15,2 — M. G. 459.
- 1) Imid d. Di[Diphenylhydrazone]äthan- $\alpha\beta$ -Dicarbonsäure? Sm. 191 bis 192° (*B. 20*, 844). — IV, 730.
- $C_{20}H_{20}O_2N$  C 80,2 — H 5,0 — O 11,4 — N 3,3 — M. G. 419.
- 1) Verbindung (aus Benzil u. Benzonitril). Sm. 225° (*B. 16*, 2653). — III, 295.
- $C_{20}H_{20}O_2N_3$  C 75,2 — H 4,7 — O 10,7 — N 9,4 — M. G. 447.
- 1) Verbindung (aus 1,3,4,6-Tetraphenyl-1,2-Dihydro-1,2-Diazin). Sm. 255° u. Zers. (*A. 289*, 331). — IV, 1082.
- $C_{20}H_{20}O_4N$  C 77,2 — H 4,8 — O 14,7 — N 3,2 — M. G. 435.
- 1) 2-Diphthalidymethyl-6,8-Dimethylchinolin. Sm. 224° (*B. 29*, 190). — IV, 451.
  - 2) Orcinphthaleinanilid. Sm. noch nicht bei 300° (*B. 26*, 3078). — II, 2066.
  - 3) Dimethyläther d. Fluoresceinanilid. Sm. 207—208° (*B. 27*, 2237). — II, 2062.
  - 4) Benzosat d.  $\beta$ -Benzoylamido- $\beta$ -Oxy- $\beta$ -Methyldiphenylketon. Sm. 192 bis 193° (*B. 16*, 1930). — III, 216.
- $C_{20}H_{20}O_2N$  C 74,5 — H 4,6 — O 17,7 — N 3,1 — M. G. 451.
- 1) Dibenzosat d. 2-Benzoylamido-3,5-Dioxy-1-Methylbensol. Sm. 165 bis 166° (*M. 19*, 495).

- C<sub>28</sub>H<sub>31</sub>O<sub>8</sub>N<sub>5</sub>** C 60,5 — H 3,8 — O 23,1 — N 12,6 — M. G. 555.  
 1)  $\alpha$ -Trinitro- $\alpha\beta$ -Di[Benzoylamido]- $\alpha\beta$ -Diphenyläthan. Sm. 137° u. Zers. (B. 28, 3176). — IV, 979.
- C<sub>28</sub>H<sub>31</sub>N<sub>4</sub>Cl** 1) 12-Chlorphenylat d. 9-Amido-10-Phenylamido- $\alpha\beta$ -Naphthophenazin (B. 31, 3103).
- C<sub>28</sub>H<sub>31</sub>ON<sub>2</sub>** C 83,6 — H 5,5 — O 4,0 — N 6,9 — M. G. 402.  
 1) Benzoylamarin. Sm. 180°. HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>, Acetat (B. 18, 3081). — III, 25.  
 2) Phenylhydrazen d.  $\alpha\beta$ -Diketo- $\alpha\beta$ -Triphenyl- $\beta$ -Buten. Sm. 173 bis 174° (Soc. 57, 708). — IV, 786.  
 3) 1-Phenylamido-2-Keto-3,3,5-Triphenyl-2,3-Dihydropyrrol. Sm. 185° (Soc. 57, 682). — IV, 699.
- C<sub>28</sub>H<sub>32</sub>ON<sub>4</sub>** C 78,1 — H 5,1 — O 3,7 — N 13,0 — M. G. 430.  
 1) Verbindung (aus Gauflertheil). Sm. 254—256° (A. 171, 144). — II, 1500.
- C<sub>28</sub>H<sub>32</sub>ON<sub>6</sub>** C 73,4 — H 4,8 — O 3,5 — N 18,3 — M. G. 458.  
 1) 3,4-Di[ $\alpha$ -Phenylhydrazonbenzyl]-1,2,5-Oxiazol. Sm. 172° (B. 26, 529). — III, 323.
- C<sub>28</sub>H<sub>32</sub>O<sub>2</sub>N<sub>2</sub>** C 80,4 — H 5,2 — O 7,6 — N 6,7 — M. G. 418.  
 1) Diphenylaminofumarid. Sm. 275—276° (G. 16, 22). — II, 416.
- C<sub>28</sub>H<sub>32</sub>O<sub>2</sub>N<sub>4</sub>** C 75,3 — H 4,9 — O 7,2 — N 12,6 — M. G. 446.  
 1)  $\alpha\beta$ -Di[Benzoylhydrazon]- $\alpha\beta$ -Diphenyläthan. Sm. 206° (J. pr. [2] 60, 307). — III, 288.
- C<sub>28</sub>H<sub>32</sub>O<sub>3</sub>N<sub>2</sub>** C 77,4 — H 5,1 — O 11,0 — N 6,4 — M. G. 434.  
 1)  $\beta$ -Di[Benzoylamido]- $\beta$ -Methyldiphenylketon. Sm. 226° (B. 16, 1929). — III, 216.  
 2) s-3,3'-Di[4-Methylbenzoyl]oxyazobenzol (m-Oxyazophenyl-p-Tolylketon). Sm. 145° (A. 286, 311). — IV, 1345.  
 3) Verbindung (aus Benzil u. Benzonitril). Sm. 176°. + 2C<sub>2</sub>H<sub>6</sub>O (B. 16, 2653). — III, 295.  
 4) Verbindung (aus Salicylaldehyd u. 1,3,4-Toluylendiamin). Sm. 106 bis 110° (B. 11, 597). — IV, 620.
- C<sub>28</sub>H<sub>32</sub>O<sub>4</sub>N<sub>2</sub>** C 74,7 — H 4,9 — O 14,2 — N 6,2 — M. G. 450.  
 1) Dibenzozat d.  $\alpha$ -Phenylhydrazen- $\alpha$ -[2,5-Dioxypyrenyl]äthan. Sm. 148° (B. 31, 1216).  
 2) Dibenzoylphenylhydrazid d.  $\alpha$ -Oxyphenylessigsäure. Sm. 208° (B. 23, 3704). — IV, 694.
- C<sub>28</sub>H<sub>32</sub>O<sub>4</sub>N<sub>5</sub>** 1) Verbindung (aus d. Verb. C<sub>14</sub>H<sub>11</sub>O<sub>2</sub>N<sub>3</sub> aus Stilben). Sm. 57—73° (B. 7, 1098). — II, 249.
- C<sub>28</sub>H<sub>32</sub>O<sub>4</sub>N<sub>4</sub>** C 70,3 — H 4,6 — O 13,4 — N 11,7 — M. G. 478.  
 1)  $\alpha\beta$ -Di[3-Nitrobenzylidenamido]- $\alpha\beta$ -Diphenyläthan. Sm. 159—161° (B. 22, 2303). — IV, 979.  
 2) s-Diphenyläthylene-2-Hydrazidobenzol-1-Carbonsäure. Sm. über 320° (B. 27, 1139). — III, 288.  
 3) s-Diphenyläthylene-[4-Hydrazidobenzol-1-Carbonsäure]. Sm. über 320° (B. 27, 1133). — III, 288.  
 4) Di[Diphenylhydrazon]äthan- $\alpha\beta$ -Dicarbonsäure (Tetraphenylizindioxyweinsäure). Sm. 177° u. Zers. Ag<sub>2</sub> (B. 20, 841). — IV, 730.  
 5) Di[Phenylamidoformiat] d.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan (Dicarbamido- $\alpha$ -Benzidioxim). Sm. 180° (B. 22, 3111). — III, 294.  
 6) Di[Phenylamidoformiat] d. isom.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan. Sm. 175° (B. 22, 3111). — III, 294.  
 7) Di[Phenylamidoformiat] d. isom.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan. Sm. 187° (B. 22, 3111). — III, 294.
- C<sub>28</sub>H<sub>32</sub>O<sub>5</sub>N<sub>4</sub>** C 65,9 — H 4,3 — O 18,8 — N 11,0 — M. G. 510.  
 1)  $\alpha\beta$ -Di[Benzoyl-2-Nitrophenylamido]äthan. Sm. 218—220° (J. pr. [2] 48, 198). — II, 1169.  
 2) 4,4'-Di[2-Nitrobenzylformylamido]biphenyl. Sm. 205° (B. 29, 1452). — IV, 963.
- C<sub>28</sub>H<sub>32</sub>O<sub>6</sub>N<sub>6</sub>** C 62,4 — H 4,1 — O 17,8 — N 15,0 — M. G. 538.  
 1) Verbindung (aus 3-Oxy-5-Keto-1-Phenyl-4,5-Dihydropyrazol) oder C<sub>19</sub>H<sub>14</sub>O<sub>4</sub>N<sub>4</sub>. Sm. 303° (B. 30, 1019). — IV, 702.
- C<sub>28</sub>H<sub>32</sub>O<sub>7</sub>N<sub>4</sub>** C 63,9 — H 4,2 — O 21,3 — N 10,6 — M. G. 526.  
 1) Disazobenzolhesperitin. Sm. 246—247° (Soc. 73, 1033). — IV, 1474.

- C<sub>25</sub>H<sub>22</sub>O<sub>6</sub>N<sub>2</sub>** C 65,4 — H 4,3 — O 24,9 — N 5,4 — M. G. 514.  
 1) Lignonblau-o-Dicarbonsäure (B. 30, 241).  
 2) Lignonblau-m-Dicarbonsäure (B. 30, 241).
- C<sub>25</sub>H<sub>22</sub>N<sub>2</sub>Br<sub>4</sub>** 1) *P*-Tetrabrom-1,2-Di[Diphenylamido]-R-Tetramethylen (B. 14, 2096). — IV, 1091.
- C<sub>25</sub>H<sub>22</sub>N<sub>2</sub>S<sub>3</sub>** 1) Chinolinjodoform. Sm. 65° u. Zers (B. 16, 202). — IV, 251.
- C<sub>25</sub>H<sub>22</sub>N<sub>4</sub>S<sub>4</sub>** 1) Sulfid d. 5-Merkapto-2,3-Diphenyl-2,3-Dihydro-1,3,4-Thiodiazol. Sm. 138° (B. 28, 2645). — IV, 750.
- C<sub>25</sub>H<sub>22</sub>ON** C 86,4 — H 5,9 — O 4,1 — N 3,6 — M. G. 389.  
 1) 2-Keto-3,3,4,5-Tetraphenyltetrahydropyrrol. Sm. 237° (Soc. 59, 145). — III, 311.
- C<sub>25</sub>H<sub>22</sub>OCl** 1) Verbindung (aus Isohydrobenzoin). Sm. 149—150° (A. 198, 168). — II, 1102.
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N** C 83,0 — H 5,7 — O 7,9 — N 3,4 — M. G. 405.
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** 1) Bensoinidam. Sm. 199° (Soc. 49, 825; A. 135, 187). — III, 223.
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N<sub>3</sub>** 1) 5-Nitro-4,4'-Dibenzylidenamido-3,3'-Dimethylbiphenyl. Sm. 147° (B. 25, 1034). — IV, 982.  
 2) Verbindung (aus 1,3,4,6-Tetraphenyl-1,2-Dihydro-1,2-Diazin). Sm. 262° u. Zers (A. 289, 329). — IV, 1082.
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N<sub>4</sub>** C 79,8 — H 5,5 — O 11,4 — N 3,3 — M. G. 421.  
 1) Dimethyläther d. 1-Keto-2-Phenyl-3,3-Di[P-Oxyphenyl]-1,3-Dihydroisindol (D. d. Phenolphthaleinamid). Sm. 192° (B. 26, 3078). — II, 1984.  
 2) Benzoyl d.  $\beta$ -Benzoylamido- $\alpha$ -Oxy- $\alpha\beta$ -Diphenyläthan. Sm. 254° (B. 29, 1215).  
 3) Benzoyl d. isom.  $\beta$ -Benzoylamido- $\alpha$ -Oxy- $\alpha\beta$ -Diphenyläthan. Sm. 186—187° (B. 29, 1216).
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N<sub>5</sub>** C 64,5 — H 4,4 — O 12,3 — N 18,8 — M. G. 521.  
 1) Verbindung (aus 3-Amidobenzoyl-3-Amidobenzolcarbonsäureamid) (A. 261, 171). — IV, 1577.
- C<sub>25</sub>H<sub>22</sub>N<sub>2</sub>Cl** 1) Verbindung (aus Hydrobenzamid) + H<sub>2</sub>O. 2 + PtCl<sub>4</sub> (A. 111, 152). — III, 21.
- C<sub>25</sub>H<sub>22</sub>N<sub>2</sub>J** 1) Jodäthylat d. Akridin (A. 158, 275). — IV, 406.
- C<sub>25</sub>H<sub>22</sub>ON<sub>2</sub>** C 83,2 — H 5,9 — O 4,0 — N 6,9 — M. G. 404.  
 1) 4-[4-Methylphenyl]oxyhydrat d. 6-Methyl-2,3-Diphenyl-1,4-Benzodiazin. Sm. 173° (B. 25, 1023). — IV, 1076.  
 2) Aethyläther d. 7-Oxy-1,2,3-Triphenyl-1,2-Dihydro-1,4-Benzodiazin. Sm. 126—128° (B. 25, 1009). — IV, 1075.  
 3) Bensoinam (Ber. J. 18, 354; 26, 666; A. 135, 183; Soc. 49, 825). — III, 223.
- C<sub>25</sub>H<sub>22</sub>ON<sub>4</sub>** C 77,8 — H 5,5 — O 3,7 — N 13,0 — M. G. 432.  
 1)  $\alpha$ -Acetyl- $\alpha\beta$ -Di[Phenylhydrazon]- $\alpha\beta$ -Diphenyläthan. Sm. 80—90° (A. 305, 176).  
 2) isom.  $\alpha$ -Acetyl- $\alpha\beta$ -Di[Phenylhydrazon]- $\alpha\beta$ -Diphenyläthan. Sm. 183° (A. 305, 178).  
 3) Acetyldehydrobenzalphenylhydrazon. Sm. 124—125° (G. 27 [2] 255). — IV, 749.  
 4)  $\alpha$ -Phenyl- $\beta$ -Benzylidenhydrazid d.  $\beta$ -Benzyliden- $\alpha$ -Phenylhydrazoessigsäure. Sm. 180—181° (A. 301, 86).
- C<sub>25</sub>H<sub>22</sub>O<sub>2</sub>N<sub>7</sub>** 5) Verbindung (aus Phtaldimethylphenylketon). Sm. 163—175° (M. 10, 453).  
 C 80,0 — H 5,7 — O 7,6 — N 6,7 — M. G. 420.  
 1)  $\alpha\beta$ -Di[Phenylbenzoylamido]äthan (J. 1873, 698). — II, 1169.  
 2)  $\alpha\beta$ -Di[Benzoylamido]- $\alpha\beta$ -Diphenyläthan. Sm. 287° (B. 22, 2300; 28, 3176). — IV, 979.  
 3)  $\alpha\beta$ -Di[2-Benzoylamidophenyl]äthan. Sm. 255° (A. 305, 99).  
 4)  $\alpha\beta$ -Di[2-Oxybenzylidenamido]- $\alpha\beta$ -Diphenyläthan. Sm. 205° (B. 22, 2303). — IV, 979.  
 5) 4,4'-Di[Benzoylamido]-3,3'-Dimethylbiphenyl. Sm. 259° (B. 21, 1065). — IV, 982.  
 6) 4,4'-Di[2-Oxybenzylidenamido]-2,2'-Dimethylbiphenyl. Sm. 198 bis 199° (B. 28, 2554). — IV, 980.  
 7) 4,4'-Di[2-Oxybenzylidenamido]-3,3'-Dimethylbiphenyl. Sm. 202° (A. 258, 377). — IV, 982.

- C<sub>28</sub>H<sub>24</sub>O<sub>2</sub>N<sub>2</sub>** 8) Di[ $\beta$ -Oxy- $\alpha\beta$ -Diphenyläthyliden]hydrazin (Benzoylketazin). Sm. 157° (J. pr. [2] 52, 131). — III, 225.
- 9) Dibenzyläther d.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan (D. d.  $\alpha$ -Benzidioxim). 2 isom. Formen.  $\alpha$ -Derivat Sm. 153—154°;  $\beta$ -Derivat Sm. 104 bis 105° (B. 23, 3600, 3601, 3602). — III, 292.
- 10) Dibenzyläther d. isom.  $\alpha\beta$ -Dioximido- $\alpha\beta$ -Diphenyläthan (D. d.  $\beta$ -Benzidioxim). Sm. 59—60° (B. 23, 3601). — III, 293.
- \* 11) 4-Phenylxydhydrat d. 6-Oxy-2,3-Diphenyl-1,4-Diazin-6-Aethyläther. Sm. bei 145° (B. 25, 1010). — IV, 1075.
- 12) Tetraphenylamid d. Bernsteinsäure. Sm. 234° (231°) (G. 14, 467; A. 292, 194). — II, 414.
- C<sub>28</sub>H<sub>24</sub>O<sub>3</sub>N<sub>4</sub>** C 75,0 — H 5,4 — O 7,1 — N 12,5 — M. G. 448.
- 1) 6,6'-Di[Benzoylamido]-3,3'-Dimethylazobenzol. Sm. 242° (Am. 17, 449). — IV, 1978.
- C<sub>28</sub>H<sub>24</sub>O<sub>3</sub>N<sub>2</sub>** C 77,1 — H 5,5 — O 11,0 — N 6,4 — M. G. 436.
- 1) 6,4'-Di[4-Methoxylbenzylidenamido]-3-Oxybiphenyl. Sm. 184—185° (A. 303, 346).
- 2) Aethyläther d. 6,4'-Di[Benzoylamido]-3-Oxybiphenyl. Sm. 221° (A. 303, 352).
- C<sub>28</sub>H<sub>24</sub>O<sub>3</sub>N<sub>4</sub>** C 72,4 — H 5,2 — O 10,3 — N 12,1 — M. G. 464.
- 1) 5,5'-Di[Benzoylamido]-2,2'-Dimethylazoxybenzol. Sm. 290° (Am. 5, 284). — IV, 1939.
- 2) Dioxiom d. 3,3'-Di[4-Methylbenzoyl]oxyazobenzol.  $\alpha$ -Modif. Sm. 235°;  $\beta$ -Modif. Sm. 245° (A. 286, 312). — IV, 1345.
- C<sub>28</sub>H<sub>24</sub>O<sub>4</sub>N<sub>2</sub>** 1)  $\alpha\beta$ -Di[Benzoylamido]- $\alpha\beta$ -Di[2-Oxyphenyl]äthan. Sm. oberh. 300° u. Zers. (Soc. 45, 673; B. 17, 2403). — II, 994; III, 287.
- 2) Dimethyläther d. 4,4'-[Benzoylamido]-3,3'-Dioxybiphenyl. Sm. 236° (J. pr. [2] 58, 215).
- 3) Di[Acetyl-1-Naphthylamid] d. Bernsteinsäure. Sm. 122° (C. 1896 [1] 109).
- C<sub>28</sub>H<sub>24</sub>O<sub>4</sub>N<sub>4</sub>** C 70,0 — H 5,0 — O 13,3 — N 11,7 — M. G. 480.
- 1) Verbindung (aus Benzyleuniimid) (B. 28, 1653).
- C<sub>28</sub>H<sub>24</sub>O<sub>5</sub>N<sub>2</sub>** C 69,4 — H 5,0 — O 19,8 — N 5,8 — M. G. 484.
- 1) 1-Naphthylamid d. Diacetylweinsäure. Sm. 260° (A. 279, 149).
- 2) 2-Naphthylamid d. Diacetylweinsäure. Sm. 240° (226°) (A. 279, 151; C. 1896 [1] 996; Soc. 71, 1062).
- C<sub>28</sub>H<sub>24</sub>O<sub>5</sub>N<sub>2</sub>** C 67,2 — H 4,8 — O 22,4 — N 5,6 — M. G. 500.
- 1) Orcsin (M. 11, 231). — II, 966.
- C<sub>28</sub>H<sub>24</sub>O<sub>6</sub>N<sub>2</sub>** C 61,8 — H 4,4 — O 23,5 — N 10,3 — M. G. 544.
- 1) Dinitrodimethyllyggonblau (aus 2-Nitro-4-Amido-1-Methylbenzol) (B. 31, 621).
- C<sub>28</sub>H<sub>24</sub>N<sub>2</sub>S** 1) Di[4-Benzylidenamidobenzyl]sulfid. Sm. 95° (B. 24, 726; 28, 1338). — III, 32.
- C<sub>28</sub>H<sub>24</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) Verbindung (aus d. Verb. C<sub>28</sub>H<sub>24</sub>O<sub>2</sub>N<sub>2</sub>Cl) (B. 31, 1412).
- C<sub>28</sub>H<sub>24</sub>ON<sub>3</sub>** C 80,2 — H 6,0 — O 3,8 — N 10,0 — M. G. 419.
- 1) Base (aus 3-Amido-4-p-Tolylamido-1-Methylbenzol). Sm. 188° (2HCl, PtCl<sub>4</sub>) (B. 23, 3801; 27, 2782). — IV, 612.
- 2) Base (aus d. isom. Base C<sub>28</sub>H<sub>24</sub>ON<sub>3</sub>, Sm. 188°). Sm. 260° (B. 27, 2783). — IV, 612.
- C<sub>28</sub>H<sub>24</sub>O<sub>2</sub>N<sub>3</sub>** C 77,2 — H 5,7 — O 7,4 — N 9,7 — M. G. 435.
- 1) 5-Dimethylamido-2,4'-Di[2-Oxybenzylidenamido]biphenyl. Sm. 158—159° (A. 303, 357).
- 2)  $\alpha$ -Phenyl- $\beta$ -[4-Methylphenyl]- $\beta$ -[2-Benzoylamidobenzyl]harnstoff. Sm. 192—193° (J. pr. [2] 55, 246). — IV, 633.
- C<sub>28</sub>H<sub>24</sub>O<sub>3</sub>N<sub>3</sub>** 1) Acetat d.  $\alpha$ -Oxy- $\gamma$ -Triamido-4-Benzoyltriphenylimethan (Bl. [3] 17, 83).
- C<sub>28</sub>H<sub>24</sub>O<sub>4</sub>N** C 76,5 — H 5,7 — O 14,6 — N 3,2 — M. G. 439.
- 1) Diäthylester d. 1,2,5-Triphenylpyrrol-2<sup>o</sup>, 5<sup>o</sup>-Dicarbonsäure. Sm. 122° (B. 20, 1488). — IV, 452.
- C<sub>28</sub>H<sub>24</sub>O<sub>4</sub>N<sub>3</sub>** C 71,9 — H 5,3 — O 13,7 — N 9,0 — M. G. 467.
- 1) 1,2-Diphtalidodimethylbenzylamin. Sm. 144—145° (B. 23, 1168). — II, 1803.

- $C_{21}H_{26}O_1N_2$  C 79,6 — H 6,2 — O 7,6 — N 6,6 — M. G. 422.  
 1) 3,6-Diketo-2,5-Diäthyl-1,4-Di[1-Naphthyl]hexahydro-1,4-Diazin.  
 Sm. 287—289° (B. 25, 2925). — II, 614.  
 2) 3,6-Diketo-2,5-Diäthyl-1,4-Di[2-Naphthyl]hexahydro-1,4-Diazin.  
 Sm. 304—306° (B. 25, 2926). — II, 622.  
 3) isom. 3,6-Diketo-2,5-Diäthyl-1,4-Di[2-Naphthyl]hexahydro-1,4-Diazin. Sm. 193—196° (B. 25, 2926). — II, 622.
- $C_{21}H_{26}O_2N_2$  C 74,6 — H 5,8 — O 7,1 — N 12,4 — M. G. 450.  
 1)  $\alpha\beta$ -Di[4-(2-Oxybenzylidenamidophenylamido]äthan. Sm. 224° (Soc. 71, 424). — IV, 587.  
 2)  $\alpha$ -Phenyl- $\beta$ -(4-Methylphenyl)- $\beta$ -(2-Phenylureidobenzyl)harnstoff. Sm. 135° (J. pr. [2] 55, 247). — IV, 633.  
 3) Dimethyläther d. Di-4-Oxybenzalidiphenylhydrotetrazon. Sm. 152° (G. 27 [2] 226). — IV, 1307.  
 4) Dimethyläther d. Dehydro-4-Oxybenzalphenylhydrazone. Sm. 190° (G. 27 [2] 227). — IV, 1307.  
 5) Diphenylamid d.  $\alpha\beta$ -Di[Phenylamido]bernsteinsäure. Sm. 220°; Sd. bei 300° (B. 24, 2061). — II, 488.
- $C_{21}H_{26}O_3N_2$  C 76,7 — H 5,9 — O 10,9 — N 6,4 — M. G. 438.  
 1) Benzoylstrychnin (A. 108, 353; M. 6, 859). — III, 939.  
 2) Verbindung (aus d. Aethylderivat  $C_{22}H_{26}O_4$ ). Sm. 220° u. Zers. (Soc. 59, 18). — II, 1908.
- $C_{21}H_{26}O_4N_2$  C 74,0 — H 5,7 — O 14,1 — N 6,2 — M. G. 454.  
 1) p-Dimethyllignonblau (B. 30, 239).  
 2) Diäthylester d. 1-Phenylamido-2,5-Diphenylpyrrol-3,4-Dicarbonsäure. Sm. 184—185° (A. 293, 109). — IV, 1037.
- $C_{21}H_{26}O_4N_4$  C 69,7 — H 5,4 — O 13,3 — N 11,6 — M. G. 482.  
 1) Verbindung (aus 1,4-Benzochinon u. 3-Amido-2-Oxy-1-Methylbenzol). Sm. 233—235° (A. 226, 73). — III, 346.
- $C_{21}H_{26}O_5N_4$  C 67,5 — H 5,2 — O 16,1 — N 11,2 — M. G. 498.  
 1) Verbindung (aus Benzylenimid) (B. 28, 1653).
- $C_{21}H_{26}O_5N_2$  C 69,1 — H 5,3 — O 19,8 — N 5,8 — M. G. 486.  
 1) Dimethyläther d. o-Dioxylignonblau (B. 30, 240).
- $C_{21}H_{26}O_5S_2$  1)  $\alpha\alpha\alpha$ -Tri[Benzylsulfon phenylmethan]. Sm. 207° (B. 25, 360). — II, 1292.
- $C_{21}H_{26}O_5N_1S$  C 45,3 — H 3,5 — O 17,2 — N 34,0 — M. G. 742.  
 1) Diacetat d. Verbindung  $C_{21}H_{26}O_5N_1S$ . Sm. 164—165° (B. 27, 941).
- $C_{21}H_{26}O_6S_2$  1) Verbindung (aus Rubbadin). Zers. über 200° (B. 25, 1883). — II, 658.
- $C_{21}H_{26}N_2S$  1) Di[ $\beta$ -Phenylhydrazen- $\beta$ -Phenyläthyl]sulfid. Sm. 146—147° (B. 23, 3475). — IV, 771.  
 2) Sulfid d.  $\alpha$ -[4-Merkaptophenyl]hydrazen- $\alpha$ -Phenyläthan. Sm. 170° u. Zers. (A. 270, 152). — IV, 816.
- $C_{21}H_{26}N_2S_2$  1) 4,4'-Biphenyleni[uns-Methylphenylthioharnstoff] (B. 27, 1561). — IV, 965.  
 2) 4,4'-Biphenyleni[2-Methylphenylthioharnstoff]. Sm. noch nicht bei 300° (B. 27, 1559). — IV, 965.
- $C_{21}H_{26}N_2S_3$  1) Thiodiphenylditolylidithioharnstoff. Sm. 134° (B. 20, 670). — II, 821.
- $C_{21}H_{27}ON_2$  1)  $\beta$ -Di[4-Methylphenylamido]-2-Methyl-1,4-Benzochinon-4-Methylphenylimid. Sm. 191° (B. 21, 679). — III, 360.
- $C_{21}H_{27}O_2N_3$  C 76,9 — H 6,2 — O 7,3 — N 9,6 — M. G. 437.  
 1) Verbindung (aus d. Methyläther d.  $\alpha$ -Bromäthyl-3,5-Dibrom-4-Oxyphenylketon (J. pr. [2] 52, 208)). — III, 142.
- $C_{21}H_{27}O_2P$  1) Verbindung (aus Benzaldehyd u. Phosphorwasserstoff). Sm. 153° (B. 21, 332). — III, 6.
- $C_{21}H_{27}O_2N$  C 71,0 — H 5,7 — O 20,3 — N 3,0 — M. G. 473.  
 1) Benzylhydrastin. Sm. 135°. HCl, HBr,  $HNO_3$  (B. 26, 2489). — II, 2054.
- $C_{21}H_{27}N_2J$  1) Jodmethylat d. Hydrocinnamid. Sm. 185° (Bl. [3] 19, 274).
- $C_{21}H_{27}ON_2$  C 82,3 — H 6,9 — O 3,9 — N 6,9 — M. G. 408.  
 1) Verbindung (Base aus Dibenzylydroxylanin). 2HCl, (2HCl, PtCl<sub>4</sub>, HJ, 2HJ, 21HNO<sub>3</sub>,  $H_2SO_4$  (B. 19, 1631, 3289)). — II, 595.
- $C_{21}H_{26}OAs_2$  1) Di[4-Methylphenyl]arsenoxyd. Sm. 98° (A. 208, 20). — IV, 1692.  
 2) Tetramethyläther d. Di[4-Oxyphenyl]arsenoxyd. Sm. 130° (B. 20, 50). — IV, 1688.

- C<sub>20</sub>H<sub>20</sub>O<sub>2</sub>N<sub>4</sub>** C 74,3 — H 6,2 — O 7,1 — N 12,4 — M. G. 452.  
 1) **Bisazoxypybenzyl.** Sm. 210—211° (A. 263, 211; B. 30, 2281). — IV, 1341.  
 2) **Dimethyläther d.** 2,2'-Di[2-Oxyphenylamidomethyl]azobenzol. Sm. 150—151° (J. pr. [2] 52, 402). — IV, 1386.
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>6</sub>** C 71,8 — H 6,0 — O 6,7 — N 17,5 — M. G. 480.  
 1) **Di[Phenylhydrazid] d.** **Phenylhydrazonanemonsäure.** Sm. 164° (M. 17, 292). — IV, 796.
- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>N<sub>2</sub>** C 76,3 — H 6,4 — O 10,9 — N 6,4 — M. G. 440.  
 1) **Verbindung** (aus Diphenylacetamid). Sm. 85° (B. 14, 2372). — II, 367.
- C<sub>20</sub>H<sub>20</sub>O<sub>3</sub>N<sub>4</sub>** C 71,8 — H 6,0 — O 10,3 — N 11,9 — M. G. 468.  
 1) **Diäthyläther d.** 3,3'-Di[Phenylamido]-4,4'-Dioxyazoxypybenzol. Sm. 125° (B. 26, 685). — IV, 1343.
- C<sub>20</sub>H<sub>20</sub>O<sub>3</sub>N<sub>2</sub>** C 73,7 — H 6,1 — O 14,0 — N 6,1 — M. G. 456.  
 1) **Diäthylester d.** 1,1-Dinaphthyläthylen-Diamidoameisensäure. Sm. 150° (B. 8, 25). — II, 608.
- C<sub>20</sub>H<sub>20</sub>O<sub>4</sub>Si** 1) **Tetra[2-Methylphenylester] d.** **Kiesel säure.** Sd. 435—438° (B. 18, 1687). — II, 738.  
 2) **Tetra[3-Methylphenylester] d.** **Kiesel säure.** Sd. 443—446°<sub>20</sub> (B. 18, 1688). — II, 744.  
 3) **Tetra[4-Methylphenylester] d.** **Kiesel säure.** Sm. 69—70°; Sd. 442 bis 445° (B. 16, 1252; 18, 1689). — II, 749.
- C<sub>21</sub>H<sub>20</sub>O<sub>5</sub>N<sub>2</sub>** C 71,2 — H 5,9 — O 17,0 — N 5,9 — M. G. 472.  
 1) **Benzylhydrastimid.** Sm. 140°. HCl (B. 26, 2490). — II, 2054.  
 2) **Verbindung** (aus Aethylacetessigester u. m-Homoanthranilsäure) (B. 27, 1402).
- C<sub>20</sub>H<sub>20</sub>O<sub>6</sub>N<sub>2</sub>** C 68,8 — H 5,7 — O 10,7 — N 5,7 — M. G. 488.  
 1) **Oximanhydrid d.** **Benzylhydrastein.** Sm. 135° (B. 26, 2489). — II, 2054.
- C<sub>20</sub>H<sub>20</sub>O<sub>6</sub>N<sub>6</sub>** C 56,7 — H 4,7 — O 24,3 — N 14,2 — M. G. 592.  
 1) **Tetraspartidianilid.** Zers. bei 270—275° (A. 303, 211).
- C<sub>7</sub>H<sub>7</sub>N<sub>2</sub>Cl** 1) **Tetrabenzylammoniumchlorid.** Sm. 230° (A. 151, 136). — II, 523.
- C<sub>20</sub>H<sub>20</sub>N<sub>6</sub>S** 1) **Thiodiphenyldi[P-Methylphenyl]guanidin.** Sm. 152—153° (B. 20, 675). — II, 821.
- C<sub>20</sub>H<sub>20</sub>N<sub>6</sub>S<sub>2</sub>** 1)  $\alpha\beta$ -Di[ $\beta$ -Phenylthiouramidophenylamido]äthan (Aethylentetraphenyl-dithiosemicarbazid). Sm. 194,5° (A. 254, 126). — IV, 679.
- C<sub>20</sub>H<sub>20</sub>ClP** 1) **Tetrabenzylyphosphoniumchlorid + H<sub>2</sub>O.** Sm. 224° (228,5%). + CHCl<sub>3</sub>. 2 + SnCl<sub>4</sub> + HgCl<sub>2</sub> + H<sub>2</sub>O, 2 + PtCl<sub>4</sub>, + AuCl<sub>3</sub> (B. 21, 406). — IV, 1666.
- C<sub>20</sub>H<sub>20</sub>ClAs** 1) **Tetrabenzyllarsoniumchlorid + H<sub>2</sub>O.** Sm. 160°. 2 + PtCl<sub>4</sub> (A. 233, 78). — IV, 1691.
- C<sub>20</sub>H<sub>20</sub>BrP** 1) **Tetrabenzylyphosphoniumbromid.** (B. 21, 407). — IV, 1666.
- C<sub>20</sub>H<sub>20</sub>BrAs** 1) **Tetrabenzyllarsoniumbromid + H<sub>2</sub>O.** Sm. 173° (A. 233, 80). — IV, 1691.
- C<sub>20</sub>H<sub>20</sub>JP** 1) **Tetrabenzylyphosphoniumjodid.** Sm. 191° (B. 21, 406). — IV, 1666.
- C<sub>20</sub>H<sub>20</sub>JAs** 1) **Tetrabenzyllarsoniumjodid.** Sm. 168° (A. 233, 80). — IV, 1691.
- C<sub>20</sub>H<sub>20</sub>J<sub>2</sub>As** 1) **Tetrabenzyllarsoniumtrijodid.** Sm. 149—150° (A. 233, 81). — IV, 1691.
- C<sub>20</sub>H<sub>20</sub>OP** 1) **Tetrabenzylyphosphoniumoxyhydrat.** Sm. 190%. Chlorid + H<sub>2</sub>O, Bromid, Jodid. Nitrat, Sulfat + 6H<sub>2</sub>O, Oxalat, Pikrat (B. 21, 406). — IV, 1666.
- C<sub>20</sub>H<sub>20</sub>OAs** 1) **Tetrabenzyllarsoniumoxyhydrat.** Chlorid, 2 Chlorid + PtCl<sub>4</sub>, Bromid, Jodid, Trijodid (A. 233, 78). — IV, 1691.
- C<sub>20</sub>H<sub>20</sub>O<sub>5</sub>N<sub>8</sub>** C 69,0 — H 5,9 — O 16,4 — N 8,6 — M. G. 487.  
 1) **Phenylhydrazon d.** **Methylhydastein.** Sm. 175—176°. HCl, HNO<sub>3</sub> (A. 271, 396). — IV, 800.
- C<sub>20</sub>H<sub>20</sub>O<sub>6</sub>N** C 70,7 — H 6,1 — O 20,2 — N 2,9 — M. G. 475.  
 1) **Tetracetylrosanilin.** Sm. 153—155° (B. 16, 1303). — II, 1093.
- C<sub>20</sub>H<sub>20</sub>O<sub>6</sub>N<sub>2</sub>** C 68,4 — H 5,9 — O 22,8 — N 2,8 — M. G. 491.  
 1) **Benzylhydrastein + xH<sub>2</sub>O.** Sm. 159° (wasserfrei) (B. 26, 2489). — II, 2054.  
 2) **Hydrastinbenzyloxyhydrat + H<sub>2</sub>O.** Sm. 194° (wasserfrei). Jodid, siehe dieses (B. 26, 2489). — II, 2051.
- C<sub>20</sub>H<sub>20</sub>ON<sub>4</sub>** C 76,7 — H 6,8 — O 3,6 — N 12,8 — M. G. 438.  
 1) **Base** (aus Benzylenimid). Sm. 130—135° (B. 26, 1651). — IV, 187.
- C<sub>20</sub>H<sub>20</sub>ON<sub>n</sub>** C 68,0 — H 6,1 — O 3,2 — N 22,7 — M. G. 494.  
 1) **Anhydrid d.** 2-Amido-3-Methylamido-5,10-Naphthiazin-5-Methyl-oxyhydrat (B. 26, 381). — IV, 1281.

- C<sub>25</sub>H<sub>30</sub>O<sub>2</sub>N<sub>3</sub>** C 76,0 — H 6,8 — O 10,9 — N 6,3 — M. G. 442.  
1) **Benzylstrychnin + 9H<sub>2</sub>O (Strychninbenzoyloxyhydrat).** Sm. 220°. Salze  
siehe (M. 10, 1; A. 304, 53). — **III, 939.**
- C<sub>25</sub>H<sub>30</sub>O<sub>4</sub>N<sub>4</sub>** C 69,1 — H 6,2 — O 13,2 — N 11,5 — M. G. 486.  
1) **Brenzkatechinantipyrin.** Sm. 78—79° (Bl. [3] 15, 172). — **IV, 510.**  
2) **Hydrochinonantipyrin.** Sm. 127—128° (Bl. [3] 15, 510). — **IV, 510.**
- C<sub>25</sub>H<sub>30</sub>O<sub>6</sub>N<sub>5</sub>** C 68,6 — H 6,1 — O 19,6 — N 5,7 — M. G. 490.  
1) **Benzylhydрастамид.** Sm. 116° (B. 26, 2190). — **II, 2054.**
- C<sub>25</sub>H<sub>30</sub>O<sub>6</sub>Cl<sub>2</sub>** 1) **Diäthyläther d. 3,6-Dichlor-2,6-Dioxy-1,4-Benzochinondibenzoyl-**  
diäthylacetat. Sm. 170° (Am. 17, 636). — **III, 351.**
- C<sub>25</sub>H<sub>30</sub>O<sub>12</sub>N<sub>6</sub>** C 52,3 — H 4,7 — O 29,9 — N 13,1 — M. G. 642.  
1) **4,5-Di[3,5-Dinitro-4-Pseudobutyl-2,6-Dimethylbenzoyl]-1,2,3,6-Dioxiazin.** Sm. 245° (B. 31, 1348).
- C<sub>26</sub>H<sub>30</sub>NCI** 1) **Methyltri[ $\gamma$ -Phenylpropenyl]ammoniumchlorid.** Sm. 166°. 2 + PtCl<sub>4</sub>  
(B. 26, 1864). — **II, 585.**
- C<sub>26</sub>H<sub>30</sub>NJ** 1) **Methyltri[ $\gamma$ -Phenylpropenyl]ammoniumjodid.** Sm. 129—130° (B. 26,  
1864). — **II, 585.**
- C<sub>26</sub>H<sub>31</sub>ON<sub>3</sub>** C 79,0 — H 7,3 — O 3,8 — N 9,9 — M. G. 425.  
1) **Methyläther d.  $\alpha\alpha$ -Di[4-Dimethylamidophenyl]- $\alpha$ -[7-Oxy-5-Methyl-6-Chinolyl]methan.** Sm. 183° (B. 24, 3143). — **IV, 1214.**
- C<sub>26</sub>H<sub>31</sub>O<sub>10</sub>N** C 62,1 — H 5,7 — O 29,6 — N 2,6 — M. G. 541.  
1) **Tetracyethylhelicinoluid** (A. 154, 34). — **III, 69.**
- C<sub>26</sub>H<sub>31</sub>N<sub>2</sub>Cl<sub>3</sub>** 1) **Farbstoff (aus Tetrahydrochinolin)** (C. 1897 [1] 906).
- C<sub>26</sub>H<sub>32</sub>O<sub>5</sub>N<sub>2</sub>** C 70,6 — H 6,7 — O 16,8 — N 5,9 — M. G. 476.  
1) **Verbindung (aus 2-Methylchinolin-3-Carbonsäurekethylesterchloromethylat).**  
Sm. 235°; Zers. bei 180—240° (B. 19, 38; A. 282, 111). — **IV, 353.**
- C<sub>26</sub>H<sub>32</sub>O<sub>5</sub>N<sub>2</sub>** C 64,1 — H 6,1 — O 24,4 — N 5,3 — M. G. 524.  
1) **Phthalat d. Camphonitrosophenol.** Sm. 275° u. Zers. (Bl. [3] 1, 471). — **III, 494.**
- C<sub>26</sub>H<sub>32</sub>O<sub>5</sub>N<sub>4</sub>** C 60,9 — H 5,8 — O 23,2 — N 10,1 — M. G. 552.  
1) **4,5-Di[ $\beta$ -Nitro-4-Pseudobutyl-2,6-Dimethylbenzoyl]-1,2,3,6-Diox diazin.** Sm. 170° (B. 31, 1348).
- C<sub>26</sub>H<sub>32</sub>N<sub>4</sub>Si** 1) **2-Methylphenylamid d. Orthokieselsäure (Soc. 55, 480).** — **II, 460.**  
2) **4-Methylphenylamid d. Orthokieselsäure.** Sm. 131—132° (Soc. 55,  
479). — **II, 490.**
- C<sub>26</sub>H<sub>33</sub>O<sub>3</sub>N<sub>4</sub>** C 73,2 — H 7,2 — O 10,5 — N 9,1 — M. G. 459.  
1) **Acetat d.  $\alpha$ -Oxy-4<sup>1</sup>,4<sup>2</sup>-Pentamethylacetyltrimidotriphenylmethan.** Sm. 223—225° (B. 16, 2905). — **II, 1088.**
- C<sub>26</sub>H<sub>33</sub>O<sub>4</sub>N<sub>6</sub>** C 60,1 — H 5,9 — O 11,4 — N 22,5 — M. G. 559.  
1) **Verbindung (aus Dioximidotropinon) = (C<sub>n</sub>H<sub>33</sub>O<sub>4</sub>N<sub>6</sub>)<sub>n</sub>.** Sm. 224—225° u. Zers. (B. 30, 2707). — **IV, 798.**
- C<sub>26</sub>H<sub>34</sub>O<sub>2</sub>N<sub>2</sub>** C 78,1 — H 7,9 — O 7,4 — N 6,5 — M. G. 430.  
1) **Dipiperid d.  $\alpha$ -Truxilläure.** Sm. 259° (B. 22, 2264). — **IV, 17.**  
2) **Dipiperid d.  $\beta$ -Truxilläure.** Sm. 180° (B. 22, 2264). — **IV, 17.**  
3) **Dipiperid d.  $\gamma$ -Truxilläure.** Sm. 248° (B. 22, 2265). — **IV, 17.**
- C<sub>26</sub>H<sub>34</sub>O<sub>4</sub>N<sub>2</sub>** C 72,7 — H 7,4 — O 13,8 — N 6,1 — M. G. 462.  
1) **4,5-Di[4-Pseudobutyl-2,6-Dimethylbenzoyl]-1,2,3,6-Dioxiazin.**  
Sm. 201° (B. 31, 1348).  
2) **dimolec. 4-Methylphenylimid d. mal. Pentan- $\beta\delta$ -Dicarbonsäure.** Sm.  
237° (A. 285, 237; 292, 201).
- C<sub>26</sub>H<sub>34</sub>O<sub>6</sub>N<sub>2</sub>** C 61,1 — H 6,2 — O 17,4 — N 15,3 — M. G. 550.  
1) **Diäthylester d. 2,5-Diketo-1,4-Di[2-Isopropylphenyl-5-Carbon-**  
**säure]hexahydro-1,4-Diazin.** Sm. 192—193° (J. pr. [2] 40, 440). — **II, 1388.**
- C<sub>26</sub>H<sub>35</sub>O<sub>6</sub>N** C 69,8 — H 7,3 — O 20,0 — N 2,9 — M. G. 481.  
1) **Camphorylcoden + 4H<sub>2</sub>O.** HCl + 3H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>) (Soc. 28, 689). — **III, 906.**
- C<sub>26</sub>H<sub>36</sub>O<sub>5</sub>N<sub>10</sub>** C 56,7 — H 6,1 — O 13,5 — N 23,6 — M. G. 592.  
1) **Verbindung (aus Dioximidotropinon).** Sm. 177—178° (B. 30, 2706). — **IV, 798.**
- C<sub>26</sub>H<sub>36</sub>O<sub>5</sub>N<sub>2</sub>** C 54,9 — H 5,9 — O 20,9 — N 18,3 — M. G. 612.  
1) **Dimethylester d. o-Phtalylidieconin.** (2HCl, PtCl<sub>4</sub>) (B. 21, 3338). — **III, 870.**  
2) **Dimethylester d. o-Phtalylid-d-Econin.** Fl. 2HJ(B. 24, 11). — **III, 870.**

- C<sub>28</sub>H<sub>36</sub>N<sub>2</sub>J** 1) **Jodid d. Tetraäthylrossanilin** (*J. 1863*, 419). — **II, 1092.**
- C<sub>28</sub>H<sub>39</sub>O<sub>4</sub>N<sub>2</sub>** C 73,3 — H 8,3 — O 12,2 — N 6,1 — M. G. 458.  
1) polym. **2 - Heptylidenediamidobenzol-1-Carbonsäure.** Sm. 183° (*B. 28*, 2816).
- C<sub>28</sub>H<sub>39</sub>O<sub>5</sub>N<sub>2</sub>** C 69,7 — H 7,9 — O 16,6 — N 5,8 — M. G. 482.  
1) **Brucinisoamyloxyhydrat.** Salze siehe (*J. pr. [2] 3*, 167). — **III, 947.**
- C<sub>28</sub>H<sub>38</sub>N<sub>2</sub>J<sub>2</sub>** 1) **Jodmethyлат d. 4',4'-Di(Dimethylamido)-4'-Isopropyltriphenylmethan.** Sm. 200° (*B. 13*, 787). — **IV, 1048.**
- C<sub>28</sub>H<sub>40</sub>O<sub>2</sub>N<sub>2</sub>** C 77,1 — H 9,2 — O 7,3 — N 6,4 — M. G. 436.  
1) **Diphenylamid d. Thapsaisäure.** Sm. 162—163° (*G. 13*, 517). — **II, 416.**
- C<sub>28</sub>H<sub>40</sub>N<sub>2</sub>Cl<sub>4</sub>** 1) **Trichlormethylat d. Tri[2-Dimethylamidophenyl]methan.** 2+3PtCl<sub>4</sub> (*B. 16*, 1307). — **IV, 1193.**  
2) **Trichlormethylat d. Tri[4-Dimethylamidophenyl]methan.** 2+3PtCl<sub>4</sub> (*B. 12*, 2345). — **IV, 1195.**  
3) **Trichlormethylat d. 3',4',4'-Tri[Dimethylamido]triphenylmethan.** 2+3PtCl<sub>4</sub> (*B. 12*, 803). — **IV, 1193.**
- C<sub>28</sub>H<sub>40</sub>N<sub>3</sub>J<sub>3</sub>** 1) **Triiodmethyлат d. Tri[2-Dimethylamidophenyl]methan** (*B. 16*, 1306). — **IV, 1193.**  
2) **Triiodmethyлат d. Tri[4-Dimethylamidophenyl]methan.** Sm. 188° u. Zers. (*B. 2*, 448; *12*, 2344; *14*, 1953; *Bl. [3] 13*, 552). — **IV, 1195.**  
3) **Triiodmethyлат d. 3',4',4'-Tri[Dimethylamido]triphenylmethan** (*B. 12*, 803; *13*, 673). — **IV, 1193.**
- C<sub>28</sub>H<sub>43</sub>O<sub>5</sub>N** C 71,1 — H 9,1 — O 16,9 — N 2,9 — M. G. 473.  
1) **Veratralbin** (*Soc. 35*, 405). — **III, 950.**
- C<sub>28</sub>H<sub>43</sub>O<sub>5</sub>N** C 66,5 — H 8,5 — O 22,2 — N 2,8 — M. G. 505.
- C<sub>28</sub>H<sub>44</sub>O<sub>2</sub>N<sub>2</sub>** 1) **Erythrophelin** (oder *C<sub>28</sub>H<sub>45</sub>O<sub>5</sub>N*). HCl, (2HCl, PtCl<sub>4</sub>) (*C. 1897* [1] 301). C 76,3 — H 10,0 — O 7,3 — N 6,4 — M. G. 440.  
1) **2-Oktyl-1,4-Benzodiazin-3-[Undekyl-1-Carbonsäure]** (Oktyldodekylsäurechinolin). Sm. 45°. (2HCl, PtCl<sub>4</sub>) (*B. 29*, 812). — **IV, 950.**
- C<sub>28</sub>H<sub>45</sub>ON** C 81,7 — H 10,9 — O 3,9 — N 3,4 — M. G. 411.
- C<sub>28</sub>H<sub>45</sub>O<sub>2</sub>N** 1) **Phenylamid d. Behenolsäure.** Sm. 73° (*B. 25*, 2669). — **II, 371.**  
C 64,2 — H 8,6 — O 24,5 — N 2,7 — M. G. 523.
- C<sub>28</sub>H<sub>46</sub>ON<sub>2</sub>** 1) **Verin.** Sm. 130° (*Soc. 33*, 338). — **III, 949.**  
C 78,9 — H 10,8 — O 3,7 — N 6,6 — M. G. 426.
- C<sub>28</sub>H<sub>46</sub>O<sub>2</sub>N<sub>2</sub>** 1) **Phenylhydrazid d. Behenolsäure.** Sm. 86,5° (*B. 25*, 2670). — **IV, 667.**  
C 76,0 — H 10,4 — O 7,2 — N 6,3 — M. G. 442.  
1) **Phenylhydrazid d. Oxybrassidinsäure.** Sm. 111° (*B. 26*, 840). — **IV, 693.**
- C<sub>28</sub>H<sub>47</sub>ON** C 81,3 — H 11,4 — O 3,9 — N 3,4 — M. G. 413.  
1) **Phenylamid d. Brassidinsäure.** Sm. 78° (*B. 19*, 3326). — **II, 371.**
- C<sub>28</sub>H<sub>47</sub>O<sub>2</sub>N** 2) **Phenylamid d. Erucaäsäre.** Sm. 55° (*B. 19*, 3326). — **II, 371.**  
C 68,2 — H 9,5 — O 19,5 — N 2,8 — M. G. 493.
- C<sub>28</sub>H<sub>48</sub>ON<sub>2</sub>** 1) **Aethylester d. Glykocholsäure.** Fl. (*Am. 1*, 182). — **I, 1193.**  
C 78,5 — H 11,2 — O 3,7 — N 6,5 — M. G. 428.
- C<sub>28</sub>H<sub>49</sub>ON<sub>2</sub>** 1) **Phenylhydrazid d. Brassidinsäure.** Sm. 95° (*B. 25*, 2671). — **IV, 667.**  
2) **Phenylhydrazid d. Erucaäsäre.** Sm. 82° (*B. 25*, 2671). — **IV, 667.**
- C<sub>28</sub>H<sub>50</sub>N<sub>2</sub>J<sub>2</sub>** 1) **Di[Jodäthylat] d. Conessin + H<sub>2</sub>O** (*B. 19*, 82). — **III, 875.**
- C<sub>28</sub>H<sub>53</sub>ON** C 80,2 — H 12,6 — O 3,8 — N 3,3 — M. G. 419.
- C<sub>28</sub>H<sub>56</sub>O<sub>2</sub>N<sub>2</sub>** 1) **Tetraönanthoxaldin.** Fl. (*Am. Spt. 6*, 25). — **I, 955.**  
C 74,3 — H 12,4 — O 7,1 — N 6,2 — M. G. 452.  
1) **s-Tridekylmyristylharnstoff.** Sm. 103° (*B. 18*, 2016; *19*, 1436). — **I, 1304.**
- C<sub>28</sub>H<sub>57</sub>OJ** 1) **Verbindung** (aus Drimol). Sm. 47° (*A. 286*, 375). — **III, 630.**
- C<sub>28</sub>H<sub>57</sub>ON<sub>4</sub>** C 67,5 — H 12,4 — O 3,2 — N 16,9 — M. G. 498.  
1) **Verbindung** (aus Isobutyraldehyd). Sm. 31°; Zers. bei 90° (*A. 205*, 5; *B. 13*, 904). — **I, 947.**

**C<sub>28</sub>-Gruppe mit vier Elementen.**

- C<sub>28</sub>H<sub>4</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>** 1) **2,2'-Dibrom-4,4'-Diphtalylamidobenzol** (*B. 11*, 2262). — **IV, 966.**
- C<sub>28</sub>H<sub>18</sub>O<sub>5</sub>N<sub>2</sub>S** 1) **Tetranitrotetraphenylthiophen.** Sm. oberh. 250° (*A. 144*, 197). — **III, 750.**

- C<sub>28</sub>H<sub>18</sub>O<sub>13</sub>N<sub>2</sub>S<sub>2</sub>** 1) Di[<sup>2</sup>-Amido-<sup>2</sup>-Oxy-<sup>9,10</sup>-Anthrachinonyl]äther-<sup>2</sup>-Disulfonsäure (B. 15, 1522; 18, 56, 903). — III, 431.
- C<sub>28</sub>H<sub>17</sub>O<sub>13</sub>N<sub>2</sub>Br<sub>3</sub>** 1) Säure (aus Tribromtetraphenylthiophen). Ba<sub>2</sub> + 8H<sub>2</sub>O (A. 144, 201). — III, 750.
- C<sub>28</sub>H<sub>17</sub>O<sub>14</sub>N<sub>2</sub>Br<sub>3</sub>** 1) Verbindung (aus Tribromtetraphenylthiophen) (A. 144, 201). — III, 750.
- C<sub>28</sub>H<sub>19</sub>O<sub>13</sub>N<sub>2</sub>S** 1) Phenylrosindulin-m-Sulfonsäure (A. 262, 242). — IV, 1206.
- C<sub>28</sub>H<sub>20</sub>O<sub>13</sub>N<sub>2</sub>S** 1) 7-Phenoxydhydrat d. 5-Phenylsulfon- $\alpha,\beta$ -Naphthophenazin. Sm. 287° (B. 31, 2434).
- C<sub>28</sub>H<sub>20</sub>O<sub>8</sub>N<sub>2</sub>Br<sub>4</sub>** 1) Tetracyclytetrabromdiimidophenolphthalein. Sm. 241° (A. 202, 117). — II, 1985.
- C<sub>28</sub>H<sub>22</sub>ON<sub>2</sub>Cl** 1) 1-Chlorphenylat d. 6-Acetylamo-2,3-Diphenyl-1,4-Benzodiazin (B. 31, 2426).
- C<sub>28</sub>H<sub>22</sub>O<sub>4</sub>N<sub>4</sub>S** 1) 4,4'-Di[4-Nitrobenzylidenamidobensyl]sulfid. Sm. 173° (B. 28, 1339). — III, 32.
- C<sub>28</sub>H<sub>23</sub>ON<sub>2</sub>Cl** 1) Verbindung (aus Amarin u. Benzoylchlorid) (J. pr. [2] 27, 300). — III, 25.
- C<sub>28</sub>H<sub>24</sub>O<sub>2</sub>N<sub>2</sub>S** 1) Di[4-(2-Oxybenzyliden)amidobenzyl]sulfid. Sm. 176—177° (163°) (B. 24, 727; 28, 1339). — III, 74.
- 2) Di[4-Benzoylamidobenzyl]sulfid. Sm. 223° (224°) (B. 24, 726; 28, 915).
- 3)  $\alpha$ -Di[4-Benzoylamido-1-Methylphenyl]sulfid. Sm. 185—186° (B. 20, 668). — II, 1179.
- C<sub>28</sub>H<sub>24</sub>O<sub>2</sub>N<sub>4</sub>S** 1) 5-Dibenzylamido-2-[3-Nitrophenyl]-3-Phenyl-2,3-Dihydro-1,3,4-Thiodiazol. HCl (B. 30, 855). — IV, 686.
- C<sub>28</sub>H<sub>25</sub>O<sub>8</sub>N<sub>2</sub>S** 1) Aethyläther d. Stilbendisulfonsäuredisazophenol. Na<sub>2</sub>, Cu (B. 27, 3357). — IV, 1419.
- C<sub>28</sub>H<sub>24</sub>N<sub>2</sub>Cl<sub>2</sub>Br** 1) Verbindung (aus Verb. C<sub>28</sub>H<sub>25</sub>O<sub>8</sub>N<sub>2</sub>Br) (B. 31, 1413).
- C<sub>28</sub>H<sub>25</sub>O<sub>8</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) Verbindung (aus Chloral u.  $\beta$ -2-Methyl-7-Chinolylakrylsäure). Sm. 128°. HCl (B. 22, 284). — IV, 382.
- C<sub>28</sub>H<sub>26</sub>ON<sub>2</sub>S** 1)  $\alpha$ -Phenyl- $\beta$ -[4-Methylphenyl]- $\beta$ -[2-Phenylthioureidobenzyl]-harnstoff. Sm. 230—231° (J. pr. [2] 55, 248). — IV, 635.
- C<sub>28</sub>H<sub>26</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>** 1)  $\alpha\beta$ -Di( $\alpha$ -Brompropionyl-2-Naphthylamido)äthan. Sm. 196—197° (B. 25, 3269). — II, 617.
- C<sub>28</sub>H<sub>26</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) Verbindung (aus Chloralhydrat u. salzs. Phenylhydrazin). Zers. bei 145°. Ag<sub>2</sub> (B. 31, 1410).
- C<sub>28</sub>H<sub>26</sub>O<sub>2</sub>N<sub>2</sub>Br** 1) Verbindung (aus Bromalhydrat u. salzs. Phenylhydrazin). Ag<sub>2</sub> (B. 31, 1412).
- C<sub>28</sub>H<sub>26</sub>O<sub>4</sub>N<sub>2</sub>S** 1) 4-Methoxylbenzaldehyd-2-Naphthylthionaminsaures-2-Amidonaphthalin. Sm. 110° (A. 274, 256). — III, 82.
- C<sub>28</sub>H<sub>26</sub>O<sub>4</sub>N<sub>2</sub>Hg<sub>2</sub>** 1) Diacetat d. Quecksilberammoniumbase C<sub>28</sub>H<sub>27</sub>O<sub>4</sub>N<sub>2</sub>Hg<sub>2</sub>. Sm. 178° (G. 28 [2] 131). — IV, 1707.
- C<sub>28</sub>H<sub>27</sub>O<sub>5</sub>N<sub>2</sub>Br** 1) 2-Brom-4,4'-Dimethoxybenzol + 4,4'-Dimethoxybenzol. Sm. 63° (M. 10, 598). — IV, 1340.
- C<sub>28</sub>H<sub>27</sub>O<sub>7</sub>N<sub>2</sub>Cl** 1) Leukochloridimethylignonblau (B. 31, 620).
- C<sub>28</sub>H<sub>28</sub>O<sub>5</sub>Br<sub>2</sub>S<sub>4</sub>** 1) Bromid d. Di[4-Methylphenyl]disulfoxid (A. 149, 105). — II, 826.
- C<sub>28</sub>H<sub>28</sub>O<sub>5</sub>NCl** 1) Papaverinphenacylchlorid + 6H<sub>2</sub>O. 2 + PtCl<sub>6</sub> (M. 9, 1039). — IV, 441.
- C<sub>28</sub>H<sub>28</sub>O<sub>5</sub>NBr** 1) Papaverinphenacylbromid + 2½H<sub>2</sub>O. Zers. bei 194° (M. 9, 1035). — IV, 441.
- C<sub>28</sub>H<sub>29</sub>O<sub>5</sub>N<sub>2</sub>J** 1) Jodbenzylat d. Hydrastin. Sm. 177° (B. 26, 2488). — II, 2051.
- C<sub>28</sub>H<sub>29</sub>O<sub>6</sub>N<sub>2</sub>S<sub>2</sub>** 1) Verbindung (aus d. 4-Aethoxyphenylamid d. Benzoisulfonsäure). Sm. 168°. K (A. 265, 185). — II, 721.
- C<sub>28</sub>H<sub>30</sub>O<sub>5</sub>N<sub>2</sub>J** 1) Jodäthylat d. Acetylbenzoylmorphin + ½H<sub>2</sub>O (Soc. 28, 323). — III, 900.
- C<sub>28</sub>H<sub>31</sub>O<sub>5</sub>N<sub>2</sub>J** 1) Jodmethylat d. Benzoylchininin (A. ch. [7] 7, 142). — III, 815.
- C<sub>28</sub>H<sub>32</sub>O<sub>5</sub>N<sub>2</sub>J** 1) Di[Jodmethylat] d. Benzoylcinchonin (Bl. [3] 9, 714). — III, 835.
- C<sub>28</sub>H<sub>33</sub>ON<sub>2</sub>Cl** 1) Chlorbensylat d. Dimethylcinchonin (A. 277, 287). — III, 833.
- C<sub>28</sub>H<sub>33</sub>O<sub>5</sub>ClP** 1) Methyltril[1,2,3,4-Tetrahydro-1-Chinolyl]phosphoniumchlorid. Sm. 148—150°. 2 + PtCl<sub>6</sub> (B. 31, 1040). — IV, 1683.
- C<sub>28</sub>H<sub>34</sub>N<sub>2</sub>JP** 1) Methyltril[1,2,3,4-Tetrahydro-1-Chinolyl]phosphoniumjodid. Sm. 188° (B. 31, 1040). — IV, 1683.
- C<sub>28</sub>H<sub>34</sub>O<sub>4</sub>N<sub>4</sub>S<sub>2</sub>** 1) Verbindung (aus 1-Methylbenzol-4-Sulfinsäure). Sm. 132° u. Zers. (J. pr. [2] 56, 227).

- C<sub>28</sub>H<sub>36</sub>O<sub>4</sub>N<sub>2</sub>S:** 1) **1,2-Di[Isobutylphenylsulfonamidomethyl]benzol.** Sm. 157° (B. 31, 1706).  
**C<sub>28</sub>H<sub>36</sub>O<sub>4</sub>N<sub>2</sub>J:** 1) **Jodallylat d. Narceinäthylester.** Sm. 154—155° (A. 277, 42). — II, 2080.  
**C<sub>16</sub>H<sub>37</sub>O<sub>4</sub>N<sub>2</sub>Cl:** 1) **Chlorisoamylat d. Brucin + H<sub>2</sub>O.** 2 + PtCl<sub>6</sub> (J. pr. [2] 3, 167). — III, 947.  
**C<sub>26</sub>H<sub>37</sub>O<sub>4</sub>N<sub>2</sub>J:** 1) **Jodisoamylat d. Brucin.** + J<sub>2</sub>, + J<sub>3</sub> (J. pr. [2] 3, 167). — III, 947.  
**C<sub>28</sub>H<sub>36</sub>O<sub>4</sub>JP:** 1) **Tetrahydrooxyänthylidenphosphoniumjodid.** Sm. 120—122° (A. ch. [6] 2, 40). — I, 955.

### C<sub>29</sub>-Gruppe mit einem Element.

- C<sub>29</sub>H<sub>37</sub>:** C 94,0 — H 6,0 — M. G. 370.  
 1) **2,3,4,5-Tetraphenyl-R-Penten.** Sm. 177° (A. 302, 231).  
**C<sub>29</sub>H<sub>35</sub>:** C 93,1 — H 6,9 — M. G. 374.  
 1) **1,2,3,4-Tetraphenyl-R-Pentamethylen.** Sm. 80,5—81° (A. 302, 229).  
**C<sub>29</sub>H<sub>34</sub>:** C 86,6 — H 13,4 — M. G. 402.  
 1) **Kohlenwasserstoff (aus Polyporus officinalis).** Sm. 125—126° (J. 1886, 1823). — III, 645.  
**C<sub>29</sub>H<sub>36</sub>:** C 85,3 — H 14,7 — M. G. 408.  
 1) **Kohlenwasserstoff (aus Charas).** Sm. 63,5—64°; Sd. 285—290°<sub>15</sub> (Soc. 69, 543).

### C<sub>29</sub>-Gruppe mit zwei Elementen.

- C<sub>29</sub>H<sub>35</sub>O<sub>6</sub>:** C 75,3 — H 3,0 — O 20,8 — M. G. 462.  
 1) **Dibenzat d. Chrysophansäure.** Sm. 200° (J. 1862, 323; A. 183, 173; 212, 38). — III, 452.  
 2) **Dibenzat d. 7,8-Dioxy-2-Phenyl-1,4-Benzpyron.** Sm. 192,5—194° (B. 29, 2432).  
**C<sub>29</sub>H<sub>36</sub>O<sub>4</sub>:** C 70,6 — H 4,6 — O 14,8 — M. G. 432.  
 1) **Benzosat d.  $\alpha$ -Oxy- $\beta\beta$ -Dibenzoyl- $\alpha$ -Phenyläthenen.** Sm. 121—122° (A. 291, 102). — III, 322.  
**C<sub>29</sub>H<sub>36</sub>O<sub>5</sub>:** C 70,2 — H 4,0 — O 25,8 — M. G. 496.  
 1) **Säure (aus Phenol)** (G. 14, 103). — II, 649.  
 2) **Methylester d. 3,4,5-Tribenzoylbensol-1-Carbonsäure.** Sm. 139° (A. 301, 110).  
 3) **Verbindung (aus Krapp)** (B. 3, 295). — III, 425.  
 C 53,0 — H 3,0 — O 43,9 — M. G. 656.  
 1) **Tannoform.** Zers. bei 230° (C. 1898 [1] 560).  
 C 87,8 — H 5,0 — N 7,1 — M. G. 396.  
 1) **Dianthracylamidoimidomethan** (Methyldianthraminamidin) (B. 16, 1639). — II, 640.  
**C<sub>29</sub>H<sub>36</sub>Br<sub>2</sub>:** 1) **1,L-Dibrom-2,3,4,5-Tetraphenyl-R-Penten.** Sm. 151,5—152° (A. 302, 232).  
**C<sub>29</sub>H<sub>31</sub>N:** C 90,9 — H 5,5 — N 3,6 — M. G. 383.  
 1) **2,3,4,6-Tetraphenylpyridin.** Sm. 179° (A. 281, 51, 52). — IV, 478.  
 2) **2,3,5,6-Tetraphenylpyridin.** Sm. 233,5° (A. 302, 234).  
 C 84,7 — H 5,1 — N 10,2 — M. G. 411.  
 1) **2-Methylphenylrosindulin.** Sm. 197° (A. 272, 318). — IV, 1207.  
 2) **4-Methylphenylrosindulin.** Sm. 212—213° (A. 272, 318). — IV, 1207.  
 3) **9-Methyl-5-Phenylrosindulin.** Sm. 224,5° (B. 26, 581). — IV, 1210.  
 C 87,4 — H 5,5 — N 7,0 — M. G. 398.  
 1)  **$\alpha$ -[1-Naphthyl]azotriphenylmethan.** Sm. 114° (C. 1898 [2] 1132). — IV, 1404.  
**C<sub>29</sub>H<sub>32</sub>N<sub>4</sub>:** C 81,7 — H 5,2 — N 13,1 — M. G. 426.  
 1) **9-Phenylamido-5-Methylrosindulin** [5]. Sm. 225° u. Zers. HCl (A. 286, 161). — IV, 1297.  
 C 90,4 — H 6,0 — N 3,6 — M. G. 385.  
 1) **1-Methyl-2,3,4,5-Tetraphenylpyrrol.** Sm. 214° (B. 22, 555). — IV, 478.

- C<sub>29</sub>H<sub>24</sub>O** C 89,7 — H 6,2 — O 4,1 — M. G. 388.  
1) **10-Keto-3-Methyl-9,10-Di[4-Methylphenyl]-9,10-Dihydroanthracen.**  
Sm. 217° (*Bl.* [3] 15, 392; [3] 17, 988).  
C 86,1 — H 5,9 — O 7,9 — M. G. 404.
- C<sub>29</sub>H<sub>24</sub>O<sub>2</sub>** 1)  **$\alpha\beta$ -Diketo- $\alpha\beta\gamma\delta$ -Tetraphenylpentan.** Sm. 189° (*A.* 281, 50, 53). — III, 310.  
2)  **$\alpha\beta$ -Diketo- $\alpha\beta\delta\epsilon$ -Tetraphenylpentan.** Sm. 145,5—146,5° (*A.* 302, 223).  
C 79,8 — H 5,5 — O 14,7 — M. G. 436.
- C<sub>29</sub>H<sub>24</sub>O<sub>4</sub>** 1) **Dibenzocat d.  $\beta\beta$ -Di[4-Oxyphenyl]propan.** Sm. 153,5° (*J. r.* 23, 495). — II, 1151.  
C 74,4 — H 5,1 — O 20,5 — M. G. 468.
- C<sub>29</sub>H<sub>24</sub>O<sub>6</sub>** 1) **Dibenzoat d. Verb. C<sub>15</sub>H<sub>14</sub>O<sub>4</sub>.** Sm. 115° (*Bl.* [3] 7, 564). — II, 919.  
C 69,6 — H 4,8 — O 25,6 — M. G. 500.
- C<sub>29</sub>H<sub>24</sub>O<sub>8</sub>** 1) **Piscidin.** Sm. 192° (*Am.* 5, 39). — III, 644.  
2) **Tetracetat d. Di[2,7-Dioxynaphthalyl]methan.** Sm. 249,5° (*B.* 26, 85). — II, 1039.
- C<sub>29</sub>H<sub>24</sub>N<sub>2</sub>** C 87,0 — H 6,0 — N 7,0 — M. G. 400.  
1)  **$\alpha$ -Triphenyl- $\beta$ -[1-Naphthyl]hydrazin.** (*C.* 1898 [2] 1132).
- C<sub>29</sub>H<sub>26</sub>O<sub>2</sub>** 2) **1,2,6-Triphenyl-4-Benzoyl-1,4-Dihydro-1,4-Diazin.** Sm. 184—185° (*Soc.* 63, 1374). — IV, 1031.
- C<sub>29</sub>H<sub>26</sub>O<sub>3</sub>** C 85,7 — H 6,4 — O 7,9 — M. G. 406.  
1) **2,3-Dioxy-1,2,3,4-Tetraphenyl-R-Pentamethylen.** Sm. 138° (*A.* 302, 225).
- C<sub>29</sub>H<sub>26</sub>O<sub>4</sub>** 2) **Allo-2,3-Dioxy-1,2,3,4-Tetraphenyl-R-Pentamethylen.** Sm. 239 bis 240° (*A.* 302, 227).
- C<sub>29</sub>H<sub>26</sub>O<sub>6</sub>** C 74,1 — H 5,5 — O 20,4 — M. G. 470.  
1) **Rottleron** (*Soc.* 67, 237). — III, 971.
- C<sub>29</sub>H<sub>26</sub>O<sub>9</sub>** C 67,2 — H 5,0 — O 27,8 — M. G. 518.
- C<sub>29</sub>H<sub>26</sub>O<sub>11</sub>** 1) **Dibenzoat d. Pikrotin.** Sm. 247—248° (*B.* 31, 2972).  
C 61,5 — H 4,6 — O 33,9 — M. G. 566.
- C<sub>29</sub>H<sub>26</sub>N<sub>5</sub>** 1) **Aromadendrin + 3H<sub>2</sub>O.** Sm. 216° (*C.* 1897 [1] 170).  
C 78,2 — H 6,1 — N 15,7 — M. G. 445.
- C<sub>29</sub>H<sub>26</sub>O<sub>6</sub>** 1) **1,3-Di[4-Methylphenylamido]methylen-2-[4-Methylphenyl]imido-2,3-Dihydrobenzimidazol.** Sm. 187,5—188° (*B.* 24, 2513). — IV, 567.  
2) **2-Phenylimido-1,3-Di[4-Methylphenylamido]methylen-5-Methyl-2,3-Dihydrobenzimidazol.** Sm. 193° (*B.* 24, 2510). — IV, 624.
- C<sub>29</sub>H<sub>26</sub>O<sub>6</sub>** C 73,7 — H 5,9 — O 20,3 — M. G. 472.  
1) **Dikthylester d.  $\alpha\beta$ -Diketo- $\alpha\beta\gamma\delta$ -Triphenylpentan- $\beta$ -Dicarbonsäure.**  
Sm. 103° (95%). Na, (*B.* 18, 2375; *A.* 281, 55). — II, 2039.
- C<sub>29</sub>H<sub>26</sub>O<sub>14</sub>** C 58,0 — H 4,7 — O 37,3 — M. G. 600.
- C<sub>29</sub>H<sub>26</sub>N<sub>4</sub>** 1) **Eichentannoform + H<sub>2</sub>O.** Zers. bei 275° (*C.* 1896 [1] 560).  
C 80,6 — H 6,5 — N 12,9 — M. G. 432.
- C<sub>29</sub>H<sub>26</sub>O<sub>6</sub>** 1) **Aethylmauvein** (Dahlia). HCl, (2HCl, PtCl<sub>4</sub>), (HJ, J<sub>4</sub>) (*Soc.* 35, 721). — III, 678.  
2) **Base (aus Acetanilid u. Succinylchlorid).** Sm. 132—133°. 2HCl, 2HNO<sub>3</sub> (*B.* 10, 2165). — IV, 1305.
- C<sub>29</sub>H<sub>26</sub>O<sub>4</sub>** C 78,7 — H 6,8 — O 14,5 — M. G. 442.
- C<sub>29</sub>H<sub>26</sub>O<sub>6</sub>** 1) **Diphenylester d. Phenyloxycamphocarbonsäure** (*A. ch.* [7] 2, 277). — II, 1872.
- C<sub>29</sub>H<sub>26</sub>O<sub>6</sub>** C 73,4 — H 6,3 — O 20,3 — M. G. 474.
- C<sub>29</sub>H<sub>26</sub>O<sub>10</sub>** 1) **Triacetat d.  $\alpha\alpha\beta$ -Tri[2-Oxy-1-Methylphenyl]äthan** (*A.* 257, 325). — II, 1029.  
2) **Triacetat d.  $\alpha\alpha\beta$ -Tri[3-Oxy-1-Methylphenyl]äthan** (*A.* 257, 325). — II, 1029.  
3) **Triacetat d.  $\alpha\alpha\beta$ -Tri[4-Oxy-1-Methylphenyl]äthan** (*A.* 257, 325). — II, 1029.
- C<sub>29</sub>H<sub>26</sub>O<sub>10</sub>** C 64,7 — H 5,6 — O 29,7 — M. G. 538.
- C<sub>29</sub>H<sub>26</sub>O<sub>11</sub>** 1) **Melanthin** (*C.* 1895 [1] 352).  
C 62,8 — H 5,4 — O 31,8 — M. G. 554.
- C<sub>29</sub>H<sub>26</sub>N<sub>3</sub>** 1) **Diacetyleupittonsäure.** Sm. 265° (*Zers.* (*B.* 12, 2218)). — II, 2092.  
C 82,6 — H 7,4 — N 9,9 — M. G. 421.  
1) **4-Phenylamido-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan.** Sm. 176°. Pikrat (*A.* 274, 214). — IV, 1195.

- C<sub>29</sub>H<sub>42</sub>O<sub>6</sub>** C 54,7 — H 5,0 — O 40,3 — M. G. 636.  
1) Lupinin + 7H<sub>2</sub>O (*B.* 11, 2200; *A.* 278, 352). — III, 597.
- C<sub>29</sub>H<sub>42</sub>N<sub>4</sub>** C 79,8 — H 7,3 — N 12,8 — M. G. 436.  
1) Phenylhydrazone d. Malachitgrün. Sm. 167° u. Zers. (*B.* 28, 211). — IV, 661.
- C<sub>29</sub>H<sub>42</sub>O<sub>9</sub>** C 66,2 — H 6,4 — O 27,4 — M. G. 526.  
1) Säure (aus Pyrogalloldiäthyläther u. Methylpyrogallolidimethyläther) (*B.* 12, 1384). — II, 2092.
- 2) Diäthylester d. Eupittosäure. Sm. 201—202° (*B.* 12, 2220). — II, 2092.
- C<sub>29</sub>H<sub>42</sub>O<sub>12</sub>** C 60,6 — H 5,9 — O 33,4 — M. G. 574.  
1) Onospin. Sm. 162° (*J.* 1855, 715). — III, 599.
- C<sub>29</sub>H<sub>42</sub>O<sub>15</sub>** C 59,0 — H 5,8 — O 35,2 — M. G. 590.  
1) Diglyko-o-Cumarketon + 4H<sub>2</sub>O. Sm. 257° wasserfrei (*B.* 18, 1967). — III, 252.
- C<sub>29</sub>H<sub>42</sub>O<sub>6</sub>** C 68,0 — H 7,0 — O 25,0 — M. G. 512.  
1) Tetraäthylester d.  $\alpha\alpha'$ -Diphenylpentan- $\beta\beta\beta\delta$ -Tetracarbonsäure. Sd. 230—250° (V. V.) (*A.* 256, 191; *B.* 30, 961). — II, 2085.
- C<sub>29</sub>H<sub>42</sub>O<sub>3</sub>** C 82,4 — H 9,9 — O 7,6 — M. G. 422.  
1) Benzoat d. Cholestan. Sm. 144° (*B.* 18, 1807). — II, 1069.
- C<sub>29</sub>H<sub>42</sub>O<sub>5</sub>** C 79,1 — H 10,0 — O 10,9 — M. G. 440.  
1) Acetat d.  $\alpha$ -Oxycholestenol. Sm. 101—102° (M. 17, 584).  
2) Acetat d.  $\beta$ -Oxycholestenol. Sm. 152—153° (M. 17, 594).
- C<sub>29</sub>H<sub>42</sub>O<sub>6</sub>** Däthylester d. Biliansäure +  $\frac{1}{4}$ H<sub>2</sub>O. Sm. 192—193°. Ba, Pb (*B.* 19, 481). — II, 2077.
- C<sub>29</sub>H<sub>42</sub>O<sub>10</sub>** C 63,0 — H 8,0 — O 29,0 — M. G. 552.  
1) Tetramethylester d. Pseudocholoidansäure C<sub>25</sub>H<sub>48</sub>O<sub>10</sub>. Sm. 127 bis 128° (*B.* 19, 1528). — I, 727.
- 2) Däthylester d. Pseudocholoidansäure C<sub>25</sub>H<sub>48</sub>O<sub>10</sub>. +  $\frac{1}{2}$ H<sub>2</sub>O. Sm. 245—247°. Ba + H<sub>2</sub>O (*B.* 19, 1528). — I, 727.
- C<sub>29</sub>H<sub>42</sub>O<sub>11</sub>** C 61,3 — H 7,7 — O 31,0 — M. G. 568.  
1) Verbindung (aus Digitalin) (*B.* 25 [2] 680).
- C<sub>29</sub>H<sub>42</sub>O<sub>12</sub>** C 53,7 — H 6,8 — O 39,5 — M. G. 648.  
1) Oktoäthylester d. Propan- $\alpha\gamma\gamma$ -Tetracarbonsäure- $\beta\beta$ -Di[Methyldicarbonsäure]. Fl. (*Bl.* [3] 7, 19). — I, 873.
- C<sub>29</sub>H<sub>42</sub>O<sub>2</sub>** C 81,7 — H 10,8 — O 7,5 — M. G. 426.  
1) Acetat d. Sitosterin. Sm. 127° (M. 18, 557).  
2) Acetat d. Parasitosterin. Sm. 115—120° (M. 18, 567).
- C<sub>29</sub>H<sub>42</sub>O<sub>4</sub>** C 76,0 — H 10,0 — O 14,0 — M. G. 458.  
1) Acetat d. Verb. C<sub>27</sub>H<sub>44</sub>O<sub>2</sub> (aus Cholesterinacetat). Sm. 154° (M. 17, 597).
- C<sub>29</sub>H<sub>42</sub>O<sub>5</sub>** C 73,4 — H 9,7 — O 16,9 — M. G. 474.  
1) Diacetat d. Trioxysterin. Sm. 77° (*J. r.* 10, 358). — II, 1074.
- C<sub>29</sub>H<sub>42</sub>O<sub>7</sub>** C 68,8 — H 9,1 — O 22,1 — M. G. 506.  
1) Däthylester d. Cholansäure +  $\frac{1}{4}$ H<sub>2</sub>O. Sm. 130—131°. Ba, Pb (*B.* 13, 1056; 19, 477). — II, 2017.
- 2) Verbindung (aus Cholsäure) (*B.* 19, 2003). — I, 783.
- C<sub>29</sub>H<sub>42</sub>O<sub>6</sub>** 1) Bisabolresen = (C<sub>29</sub>H<sub>42</sub>O<sub>6</sub>) (*C.* 1897 [2] 429).  
C 75,7 — H 10,4 — O 13,9 — M. G. 460.  
1) Cerin (*A.* 45, 286). — III, 627.
- C<sub>29</sub>H<sub>42</sub>O<sub>17</sub>** C 42,0 — H 5,8 — O 52,2 — M. G. 828.  
1) Arabinose (*Soc.* 45, 54). — I, 1101.
- C<sub>29</sub>H<sub>50</sub>O<sub>2</sub>** C 80,9 — H 11,6 — O 7,4 — M. G. 430.  
1) Acetat d. Koprosterin. Sm. 85° (*H.* 22, 400).
- C<sub>29</sub>H<sub>50</sub>O<sub>5</sub>** C 72,7 — H 10,5 — O 16,7 — M. G. 478.  
1)  $\beta$ -Scymnol (*H.* 24, 349).
- C<sub>29</sub>H<sub>52</sub>O<sub>20</sub>** C 48,3 — H 7,2 — O 44,5 — M. G. 720.  
1) Rhinanthin (*J.* 1870, 876, 877). — III, 606.
- 2) Sapotin. Sm. 240° u. Zers. (*Am.* 13, 572). — III, 611.
- C<sub>29</sub>H<sub>52</sub>O<sub>4</sub>** C 74,4 — H 11,9 — O 13,7 — M. G. 468.  
1) Äthylester d.  $\alpha$ -Acetoxycerotinsäure. Sm. 57—58° (*C.* 1896 [1] 642).
- C<sub>29</sub>H<sub>52</sub>O** C 82,5 — H 13,7 — O 3,8 — M. G. 422.  
1) Laktaron. Sm. 81,5—82,5° (*Bl.* [3] 2, 158). — I, 1006.

- $C_{10}H_{16}O_2$  C 79,4 — H 13,2 — O 7,3 — M. G. 438.  
 1)  $\alpha$ -Aethylester d. Cerotinsäure. Sm. 59—60° (A. 67, 189; 224, 234). — I, 449.  
 2) Cerylester d. Essigsäure. Sm. 65° (62°) (M. 9, 581; A. 271, 224). — I, 411.  
 3) Isocerylester d. Essigsäure. Sm. 57° (B. 11, 2114). — I, 411.  
 4) Dimyristylcarbinolester d. Essigsäure. Sm. 45—45,5° (Soc. 63, 459).  
 $C_{10}H_{16}O_4$  C 74,0 — H 12,3 — O 13,6 — M. G. 470.  
 1) Raphanol. Sm. 62° (Bl. [3] 15, 797). — III, 647.

 **$C_{29}$ -Gruppe mit drei Elementen.**

- $C_{10}H_{16}O_4Br$  1) 4-Brombenzoat d.  $\alpha$ -Oxy- $\beta\beta$ -Dibenzoyl- $\alpha$ -Phenyläthen. Sm. 155 bis 156° (A. 291, 105). — III, 322.  
 $C_{10}H_{16}O_5N_2$  C 73,1 — H 4,2 — O 16,8 — N 5,9 — M. G. 476.  
 1) Carbonat d.  $\beta$ -Oximido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan (aus  $\alpha$ -Benziloxim). Sm. 122° (B. 26, 796). — III, 289.  
 2) Carbonat d. isom.  $\beta$ -Oximido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan (aus  $\beta$ -Benziloxim). Sm. 163° (B. 26, 796). — III, 290.  
 $C_{10}H_{16}O_6N_4$  C 66,9 — H 3,8 — O 18,5 — N 10,8 — M. G. 520.  
 1) Acetat d. Diphenylazospigenin. Sm. 277—280° (C. 1897 [1], 653; Soc. 73, 668). — IV, 1482.  
 2) Diacetat d. 4,5-Diphenylazo-1,7-Dioxyxanthone. Sm. 197—199° (Soc. 73, 672). — IV, 1479.  
 $C_{10}H_{16}O_5Br_4$  1) Pentacetat d. Tetrabromdehydroeichenrindengerbsäure (A. 240, 338). — III, 588.  
 $C_{10}H_{21}ON_5$  C 81,5 — H 4,9 — O 3,7 — N 9,8 — M. G. 427.  
 1) Methylphenylamidoresindon. Sm. 235—237°. (2HCl, PtCl<sub>4</sub>) (B. 31, 306). — IV, 1203.  
 $C_{10}H_{21}ON_5$  C 76,5 — H 4,6 — O 3,5 — N 15,4 — M. G. 455.  
 1) 6-[2-Oxynaphthyl]azo-2,3-Diphenyl-2,3-Dihydro-1,2,4-Benztriazin (B. 30, 2598). — IV, 1492.  
 $C_{10}H_{21}O_5N_2$  C 75,8 — H 4,6 — O 10,5 — N 9,1 — M. G. 459.  
 1) Verbindung (aus Salicylaldehyd). Sm. 168° (B. 6, 341). — III, 75.  
 $C_{10}H_{21}ON_2$  C 84,0 — H 5,3 — O 3,9 — N 6,8 — M. G. 414.  
 1) Triphenyl-2-Naphthylharstoff. Sm. 128° (B. 24, 2022). — II, 617.  
 2) Triphenylmethanazo- $\beta$ -Naphtol. Sm. 150° (B. 26, 3082). — IV, 1439.  
 $C_{10}H_{21}O_2N_4$  C 76,0 — H 4,8 — O 7,0 — N 12,2 — M. G. 458.  
 1) Verbindung (aus d. Chlorid d.  $\beta$ -Trichloracetyl- $\alpha$ - $\beta$ -Dichlorakrylsäure). Sm. 146—147° (B. 25, 2232). — II, 406.  
 $C_{10}H_{21}O_4N_2$  C 75,3 — H 4,8 — O 13,8 — N 6,1 — M. G. 462.  
 1) Diäthylester d.  $\alpha\gamma$ -Di[Phenylimido- $\alpha\gamma$ -Diphenylpropan- $\beta\beta$ -Dicarbonsäure. Sm. 160° (B. 18, 2625). — II, 1893.  
 $C_{10}H_{21}N_2Br$  1) Brommethylat d. Phenylrosindulin (B. 31, 304). — IV, 1206.  
 $C_{10}H_{21}N_2J$  1) Jodmethylat d. Phenylrosindulin (B. 31, 305). — IV, 1202.  
 $C_{10}H_{21}ON$  C 86,8 — H 5,7 — O 4,0 — N 3,5 — M. G. 401.  
 1) 2-Keto-1-Methyl-3,4,5-Tetraphenyl-2,3-Dihydropyrrol. Sm. 161° (Soc. 59, 146; B. 24, 517). — III, 312.  
 2) Nitril d.  $\gamma$ -Benzoyl- $\alpha\beta\gamma$ -Triphenylbuttersäure (Gemisch isom. Verb.). Sm. 205—210° (B. 26, 445). — II, 1730.  
 $C_{10}H_{21}O_3N$  C 83,4 — H 5,5 — O 7,7 — N 3,1 — M. G. 417.  
 1) Aethylester d. 2,5-Diphenyl-1-[1-Naphthyl]pyrrol-3-Carbonsäure. Sm. 181—182° (B. 22, 3091). — IV, 450.  
 2) Aethylester d. 2,5-Diphenyl-1-[2-Naphthyl]pyrrol-3-Carbonsäure. Sm. 181—182° (B. 22, 3032). — IV, 450.  
 $C_{10}H_{21}O_2N_3$  C 78,2 — H 5,2 — O 7,2 — N 9,4 — M. G. 445.  
 1) 1,3-Dibenzoyl-2-(4-Methylphenyl)imido-5-Methyl-2,3-Dihydrobenzimidazol. Sm. 201° (B. 24, 2520). — IV, 623.  
 $C_{10}H_{21}O_2Cl_2$  1) Tribenzoat d.  $\beta$ -Galaktchloral. Sm. 141° (C. 1896 [2] 83).  
 $C_{10}H_{21}ON_4$  C 78,4 — H 5,4 — O 3,6 — N 12,6 — M. G. 444.  
 1) Phenylhydrazid d.  $\beta$ -Phenylhydrazon- $\alpha\beta$ -Diphenyl- $\alpha$ -Butin- $\gamma$ -Carbonsäure. Sm. bei 100° (B. 21, 3059). — IV, 699.

- C<sub>29</sub>H<sub>24</sub>O<sub>3</sub>N<sub>2</sub>** C 80,6 — H 5,5 — O 7,4 — N 6,5 — M. G. 432.  
 1) **1,3-Dibenzoyl-2-Methyl-4-Phenyl-1,2,3,4-Tetrahydro-1,3-Benzodiazin.** Sm. 188—189° (B. 25, 3095). — **IV, 995.**
- C<sub>29</sub>H<sub>24</sub>O<sub>3</sub>N<sub>2</sub>** C 77,7 — H 5,3 — O 10,7 — N 6,2 — M. G. 448.  
 1) **4,4'-Di[Methylbenzoylamido]diphenylketon.** Sm. 102° (B. 22, 1877). — **III, 186.**
- C<sub>29</sub>H<sub>24</sub>O<sub>4</sub>N<sub>2</sub>** C 75,0 — H 5,2 — O 13,8 — N 6,0 — M. G. 464.  
 1) **3,4,3',4'-Dimethylenäther d.  $\alpha$ -Phenylhydrason- $\alpha$ -Di[3,4-Dioxyphenyl]- $\alpha$ '- $\gamma$ '-Nonatetraen.** Sm. 58—60° (B. 28, 1194). — **IV, 779.**
- C<sub>29</sub>H<sub>24</sub>O<sub>6</sub>N<sub>4</sub>** C 66,4 — H 4,6 — O 18,3 — N 10,7 — M. G. 524.  
 1) **Acetat d. Phloretindisazobenzol.** Sm. 217—219° (Soc. 71, 1152). — **IV, 1479.**
- C<sub>29</sub>H<sub>24</sub>O<sub>12</sub>Br<sub>2</sub>l** **Pentacetat d. Dibromeichenringenderbsäure (A. 240, 333).** — **III, 588.**
- C<sub>29</sub>H<sub>24</sub>O<sub>5</sub>N** C 83,0 — H 6,0 — O 7,6 — N 3,3 — M. G. 419.  
 1) **Monoxim d.  $\alpha$ -Diketo- $\alpha$ - $\beta$ -Tetraphenylpentan.** Sm. 212° (A. 281, 51). — **III, 310.**
- 2) **Methyramid d.  $\beta$ -Benzoyl- $\alpha$ - $\beta$ -Triphenylpropionsäure.** Sm. 267° (Soc. 59, 147). — **III, 312.**
- C<sub>29</sub>H<sub>24</sub>O<sub>4</sub>N** C 77,1 — H 5,5 — O 14,2 — N 3,1 — M. G. 451.  
 1) **Diäthylester d. 2,4,6-Triphenylpyridin-3,5-Dicarbonsäure.** Sm. 146° (A. 281, 56). — **IV, 477.**
- C<sub>29</sub>H<sub>24</sub>O<sub>4</sub>N<sub>4</sub>** C 72,7 — H 5,2 — O 13,3 — N 8,8 — M. G. 479.  
 1) **Aesthelester d. Di[4-Benzoylamidophenyl]amidoameisensäure.** Sm. 235° (B. 18, 2577). — **IV, 1169.**
- 2) **Verbindung (aus d. 4-Aminophenylamidoameisensäure).** Sm. noch nicht bei 360° (B. 17, 2628). — **IV, 595.**
- C<sub>29</sub>H<sub>24</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Dibenzyl- $\alpha$ -Phenyl- $c$ -Phenyldithioaldurest.** Sm. 112° (A. 275, 41). — **III, 34.**
- C<sub>29</sub>H<sub>24</sub>O<sub>4</sub>N<sub>2</sub>** C 80,2 — H 6,4 — O 7,4 — N 6,4 — M. G. 434.  
 1)  **$\alpha$ - $\beta$ -Di[Phenylbenzoylamido]propan.** Sm. 136—137° (B. 25, 3273). — **II, 1169.**
- 2) **7-Aethyläther d. 1,7-Dioxy-6-Methyl-1,2,3-Triphenyl-1,1-Dihydro-1,4-Benzodiazin.** Sm. 136° (A. 287, 150). — **III, 285.**
- 3) **7-Aethyläther d. 1,7-Dioxy-2,3-Diphenyl-1-[3-Methylphenyl]-1,1-Dihydro-1,4-Benzodiazin.** Sm. 176° (A. 287, 171). — **III, 285.**
- 4) **7-Aethyläther d. 1,7-Dioxy-2,3-Diphenyl-1-[4-Methylphenyl]-1,1-Dihydro-1,4-Benzodiazin?** Sm. 144—146° (A. 287, 178). — **III, 285.**
- C<sub>29</sub>H<sub>24</sub>O<sub>5</sub>N<sub>4</sub>** C 68,2 — H 5,1 — O 15,7 — N 11,0 — M. G. 510.  
 1) **Phloretindisazo-2-Methylbenzol.** Sm. 250—251° (Soc. 71, 1152). — **IV, 1480.**
- 2) **Phloretindisazo-4-Methylbenzol.** Sm. 250—251° u. Zers. (Soc. 71, 1151). — **IV, 1480.**
- C<sub>29</sub>H<sub>24</sub>ON<sub>3</sub>** C 80,4 — H 6,2 — O 3,6 — N 9,7 — M. G. 433.  
 1) **Aesthelether d.  $\alpha$ -[4-OxypHENYL]- $\beta$ -Benzyliden- $\alpha$ -[2-Benzyliden-amidobenzyl]hydrasin.** Sm. 152° (B. 27, 2904). — **IV, 1191.**
- 2) **Azoniumbase (aus 4-Dimethylamido-6'-Amido-3'-Methyldiphenylamin).** Sm. 173° u. Zers. (Soc. 65, 887). — **IV, 621.**
- C<sub>29</sub>H<sub>24</sub>O<sub>4</sub>N<sub>3</sub>** C 72,3 — H 5,6 — O 13,3 — N 8,7 — M. G. 481.  
 1) **4-Di[ $\gamma$ -Phthalylamidopropyl]amido-1-Methylbenzol (p-Toluidodipropylphthalimid).** Sm. 124° (B. 30, 2499).
- C<sub>29</sub>H<sub>24</sub>O<sub>5</sub>N<sub>3</sub>** C 70,0 — H 5,4 — O 16,1 — N 8,4 — M. G. 497.  
 1) **Diäthylester d. 4-[3- $\beta$ -Naphtholasophenyl]-2,6-Dimethylpyridin-3,5-Dicarbonsäure.** Sm. 151° (G. 17, 468). — **IV, 1487.**
- C<sub>29</sub>H<sub>24</sub>N<sub>2</sub>J** 1) **Jodmethyliat d. Benzylamarin.** Sm. 130° (B. 18, 1855). — **III, 24.**
- C<sub>29</sub>H<sub>24</sub>ON<sub>2</sub>** C 82,8 — H 6,7 — O 3,8 — N 6,7 — M. G. 420.  
 1) **Tetrabenzylharnstoff.** Sm. 85° (B. 25, 1820). — **II, 527.**
- 2) **Tetra[4-Methylphenyl]harnstoff.** Sm. 78—80,5° (B. 25, 1822). — **II, 495.**
- 3)  **$\alpha$ - $\beta$ -Dibenzyli- $\alpha$ - $\beta$ -Di[4-Methylphenyl]harnstoff.** Sm. 91—93° (B. 25, 1823). — **II, 527.**
- 4) **Methylbenzyldihydroamarin.** Sm. 208°.  $HCl + xH_2O$ , (2HCl,  $PtCl_4 + 2H_2O$ ) (B. 15, 2327). — **III, 26.**
- C<sub>29</sub>H<sub>24</sub>O<sub>4</sub>N<sub>4</sub>** C 75,0 — H 6,0 — O 6,9 — N 12,1 — M. G. 464.  
 1)  **$\alpha$ - $\gamma$ -Di[s-Diphenylharnstoff]propan.** Sm. 153° (B. 20, 783). — **II, 381.**

- $C_{29}H_{28}O_1N_1$ , 2)  $\alpha$ -Phenyl- $\alpha$ -Di'3-Keto-2-Phenyl-1,5-Dimethyl-2,3-Dihydropyrazolyl-4 methan (Benzylidenbisantipyrin). Sm. 191° (A. 238, 214). — IV, 1255.
- $C_{29}H_{28}O_1N_1$ , C 72.5 — H 5.8 — O 10.0 — N 11.7 — M. G. 480.
- 1) 2-Oxybenzylidenebisantipyrin +  $H_2O$ . Sm. 189—190°. Pikrat (B. 28, 1146); — IV, 1259.
- $C_{29}H_{28}O_1N_1$ , C 57.3 — H 4.7 — O 26.3 — N 11.5 — M. G. 607.
- 1) Brucin + 1,3,5-Trinitrobenzol. Sm. 194° u. Zers. (R. 14, 66). — III, 946.
- $C_{29}H_{28}O_1N_1$ , C 74.0 — H 6.4 — O 13.6 — N 6.0 — M. G. 470.
- 1) Benzot d. Geisenimin. HCl (Sm. 306°) (C. 1896 [1] 111).
- $C_{29}H_{28}O_1N_1$ , C 69.9 — H 6.0 — O 12.9 — N 11.2 — M. G. 498.
- 1) d-Cocainazophenylamidobenzol. Sm. 172—173° (B. 27, 1887). — IV, 1482.
- $C_{29}H_{28}O_1N_1$ , C 65.2 — H 5.6 — O 24.0 — N 5.2 — M. G. 534.
- 1) Diäthylester d.  $\alpha\beta$ -Di[1,2-Phtaliamido]heptan-3- $\delta$ -Dicarbonsäure. Sm. 155.5° (B. 26, 2140). — II, 1812.
- $C_{29}H_{28}N_1Cl_1$ , 1) Diphenylauraminchlorid (J. pr. 2, 47, 411). — IV, 1173.
- $C_{29}H_{28}ON_1$ , C 74.8 — H 7.1 — O 3.7 — N 9.6 — M. G. 437.
- 1)  $\alpha$ -Oxy-4-Phenylamido-4',4'-Tetramethyldiamidotriphenylmethan. Chlorid (A. 274, 215). — II, 1089.
- $C_{29}H_{28}O_1N_1$ , C 63.4 — H 5.5 — O 23.3 — N 7.6 — M. G. 549.
- 1) Narceinphenylhydrazen. HCl (A. 277, 53). — IV, 732.
- 2) Triphenylamidoformiat d. *Aethylchinovosid* (B. 18, 971, 2906). — III, 575.
- $C_{29}H_{28}O_1N_1$ , C 71.9 — H 6.6 — O 9.9 — N 11.6 — M. G. 484.
- 1)  $\alpha$ -[4-Diacetylamilido-2-Acetylphenyl imidod]-4-Dimethylamido-phenyl methan. Sm. 257—258° (J. pr. [2] 50, 412). — IV, 1174.
- $C_{29}H_{28}O_1N_1$ , C 69.6 — H 6.4 — O 12.8 — N 11.2 — M. G. 500.
- 1) Verbindung (aus Furol. Anilin u. 2,4-Diamido-1-Methylbenzol). 2HCl (A. 239, 35). — IV, 605.
- $C_{29}H_{28}N_1Cl_1$ , 1) Diammoniumchlorid (aus d. Diammoniumbromid  $C_{29}H_{28}N_1Br_2$ ) + PtCl<sub>4</sub>, + 2 AuCl<sub>3</sub> (B. 31, 1705).
- $C_{29}H_{28}N_1Br_1$ , 1) Diammoniumbromid (aus Pentamethylen-1,2-Xylylendiamin u. 1,2-Xylylendibromid). Sm. 65° (B. 31, 1705).
- $C_{29}H_{28}N_1Br_1$ , 1) Diammoniumperbromid (aus d. Diammoniumbromid  $C_{29}H_{28}N_1Br_2$ ) (B. 31, 1705).
- $C_{29}H_{28}N_1Cl_1$ , 1) Diisoamylcyaninchlorid. (HCl, PtCl<sub>4</sub>) (Z. 1867, 343). — IV, 315.
- $C_{29}H_{28}N_1J_1$ , 1) Diisoamylcyanijodid +  $H_2O$ . Sm. bei 100°. 2HCl + J<sub>2</sub> (J. 1862, 351; Z. 1867, 343; R. 2, 28, 42, 324; 3, 352). — IV, 315.
- $C_{29}H_{28}N_1J_1$ , 1) Diisoamylcyanirrijodid. Sm. 187—189° (R. 3, 361). — IV, 315.
- $C_{29}H_{28}ON_1$ , C 81.3 — H 8.4 — O 3.7 — N 6.5 — M. G. 428.
- 1) Diisoamylcyaninhhydrat. Chlorid, Jodid, Superjodid, Nitrat, Sulfat +  $2H_2O$  (Z. 1867, 343; J. 1862, 351; R. 2, 28, 42, 324; 3, 352). — IV, 315.
- 2) Benzoylelderivat d. Base  $C_{29}H_{28}N_1$ . Sm. 132—134° (B. 25, 2044). — II, 445.
- $C_{29}H_{28}O_1N_1$ , C 75.8 — H 8.1 — O 7.0 — N 9.1 — M. G. 459.
- 1) 4'-Nitro-2',2'-Di[Dialkylamido]-4<sup>2</sup>,4<sup>3</sup>-Dimethyltrifluoromethylmethan. Sm. 155° (B. 24, 559). — IV, 1047.
- $C_{29}H_{28}O_1N_1$ , C 68.2 — H 7.4 — O 18.8 — N 5.5 — M. G. 510.
- 1) Allylhydrostearoamylamid. Sm. 123—124° (A. 271, 361). — II, 2054.
- $C_{29}H_{40}O_4N_1$ , C 68.5 — H 7.9 — O 12.6 — N 11.0 — M. G. 508.
- 1) Diäthylester d.  $\beta\beta$ -Di[Phenylhydrazen]- $\gamma\gamma$ -Dimethylnonan- $\gamma\gamma$ -Dicarbonsäure. Fl. (Soe. 59, 574). — IV, 723.
- $C_{29}H_{40}O_2N_1$ , C 77.3 — H 9.3 — O 7.1 — N 6.3 — M. G. 450.
- 1) Diphenylamid d. Roccelläsäure. Sm. 55.3° (A. 117, 342). — II, 416.
- $C_{29}H_{40}O_2N_1$ , C 72.7 — H 8.7 — O 13.3 — N 5.8 — M. G. 482.
- 1) d-Diborneolester d. Benzylidendiamidoameisensäure (Benzyliden-borneolurethan). Sm. 185—187° (J. 1882, 398). — III, 471.
- $C_{29}H_{40}N_1Cl_1$ , 1) Trichlormethylat d. 4',4<sup>1</sup>,4<sup>2</sup>-Tri Dimethylamido)- $\beta$ -Methyltrifluoromethylmethan. 2 + 3 PtCl<sub>4</sub> +  $2H_2O$  (B. 2, 448; 12, 2344). — IV, 1197.
- $C_{29}H_{40}N_1J_1$ , 1) Triiodomethylat d. 4',4<sup>1</sup>,4<sup>2</sup>-Tri(Dimethylamido)- $\beta$ -Methyltrifluoromethylmethan +  $H_2O$  (B. 2, 445; 12, 2344). — IV, 1197.

- C<sub>29</sub>H<sub>48</sub>O<sub>7</sub>N** C 67,3 — H 8,4 — O 21,6 — N 2,7 — M. G. 517.  
 1) **Pseudojervin.** Sm. 300—307° (200%). HCl + 2H<sub>2</sub>O, (HCl, AuCl<sub>3</sub>), H<sub>2</sub>SO<sub>4</sub> (Soc. 35, 405). — **III, 950.**
- C<sub>29</sub>H<sub>44</sub>O<sub>2</sub>N<sub>2</sub>** C 77,0 — H 9,7 — O 7,1 — N 6,2 — M. G. 452.  
 1) **s-Stearyl-1-Naphthylharnstoff.** Sm. 114—115° (Soc. 69, 1601).
- C<sub>29</sub>H<sub>46</sub>ON<sub>2</sub>** C 79,4 — H 10,5 — O 3,6 — N 6,4 — M. G. 438.  
 1) **6-Oxy-4-Methyl-2-Heptadekyl-5-Benzyl-1,3-Diazin.** Sm. 94° (PINNER, Imidoether 234). — **IV, 986.**
- C<sub>29</sub>H<sub>46</sub>O<sub>9</sub>Cl<sub>2</sub>** 1) **Aethylester d. Dodekachlorcerotinsäure.** (A. 67, 191). — **I, 477.**
- C<sub>29</sub>H<sub>46</sub>O<sub>2</sub>Br<sub>2</sub>** 1) **Acetat d. Sitosterindibromid.** (M. 18, 558).  
 2) **Acetat d. Parasitosterindibromid.** Sm. 112° (M. 18, 568).
- C<sub>29</sub>H<sub>46</sub>O<sub>4</sub>N<sub>2</sub>** C 71,6 — H 9,5 — O 13,2 — N 5,7 — M. G. 486.  
 1) **Verbindung** (aus d. Amidoformiat d. Menthol). Sm. 143° (A. ch. [6] 7, 464). — **III, 467.**
- C<sub>29</sub>H<sub>46</sub>O<sub>2</sub>Cl<sub>2</sub>** 1) **Verbindung** (aus Cholesterinacetat). Sm. 93 — 94° (M. 15, 103). — **II, 1073.**
- C<sub>29</sub>H<sub>46</sub>O<sub>2</sub>Br<sub>2</sub>** 1) **Verbindung** (aus Cholesterinacetat). Sm. 115,8° (u. 118°) (M. 9, 424, 433; 15, 371). — **II, 1073.**
- C<sub>29</sub>H<sub>46</sub>O<sub>9</sub>Br** 1) **Bromacetat d. Koprosterin.** Sm. 118° (H. 22, 404).
- C<sub>29</sub>H<sub>41</sub>O<sub>2</sub>N** C 64,3 — H 9,4 — O 23,6 — N 2,6 — M. G. 541.  
 1) **Sabadin.** Sm. 238—240° u. Zers. HCl + 2H<sub>2</sub>O, (HCl, AuCl<sub>3</sub>), HNO<sub>3</sub>. — **III, 950.**
- C<sub>29</sub>H<sub>45</sub>O<sub>4</sub>N<sub>2</sub>** 1) **Secalin.** (C. 1897 [1] 1060).

### C<sub>29</sub>-Gruppe mit vier Elementen.

- C<sub>29</sub>H<sub>20</sub>ON<sub>2</sub>S** 1)  **$\alpha$ -Phenyl- $\beta$ -(2-Naphthyl)- $\beta$ -Thiodiphenylharnstoff.** Sm. 169—170° (B. 24, 2914). — **II, 807.**
- C<sub>29</sub>H<sub>20</sub>ON<sub>4</sub>S** 1) **2-[1-Naphthylbenzoylamido]-5-[1-Naphthylamido]-1,3,4-Thiodiazol.** Sm. 270° (B. 23, 361). — **IV, 1237.**  
 2) **2-[2-Naphthylbenzoylamido]-5-[2-Naphthylamido]-1,3,4-Thiodiazol.** Sm. 247° (B. 23, 363). — **IV, 1237.**
- C<sub>29</sub>H<sub>25</sub>ON<sub>2</sub>J** 1) **Jodmethylat d. Benzoylamarin.** Sm. 318° (B. 18, 3084). — **III, 25.**
- C<sub>29</sub>H<sub>26</sub>O<sub>10</sub>NCl** 1) **Tetracytichlor- $\alpha$ -Orcindichroin** (B. 21, 2483). — **II, 966.**
- C<sub>29</sub>H<sub>29</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) **Strychnin + Acetophenonchlorid + H<sub>2</sub>O.** Sm. 232—233°. 2+PtCl<sub>6</sub> + AuCl<sub>3</sub>, (C. 1897 [2] 556).
- C<sub>29</sub>H<sub>29</sub>O<sub>2</sub>N<sub>2</sub>Br** 1) **Strychnin + Acetophenonbromid + H<sub>2</sub>O.** Sm. 245—250° (C. 1897 [2] 556).
- C<sub>29</sub>H<sub>30</sub>O<sub>2</sub>N<sub>4</sub>S** 1) **Thioharnstoff d. 4-Amido-4'-Aethoxydiphenylamin.** Sm. 155 bis 156° (B. 26, 694). — **IV, 584.**
- C<sub>29</sub>H<sub>30</sub>O<sub>6</sub>NJ** 1) **Jodmethylat d. Benzylhydrastin.** Sm. 240° (A. 271, 351). — **II, 2054.**
- C<sub>29</sub>H<sub>31</sub>O<sub>5</sub>N<sub>2</sub>J** 1) **Jodmethylat d. Benzylhydrastimid.** Sm. 230° (B. 26, 2490). — **II, 2054.**
- C<sub>29</sub>H<sub>32</sub>O<sub>4</sub>N<sub>2</sub>J** 1) **Jodmethylat d. Methylhydrasteinphenylhydrazone.** Sm. 243° (A. 271, 398). — **IV, 800.**
- C<sub>29</sub>H<sub>23</sub>O<sub>5</sub>N<sub>2</sub>J** 1) **Jodäthylat d. Benzoylchininin** (A. ch. [7] 7, 143). — **III, 815.**
- C<sub>29</sub>H<sub>32</sub>O<sub>4</sub>N<sub>2</sub>S** 1) **Acetyl-3,3'-Di[Dithiylamido]phenolsaccharin.** Sm. 230—232° (Bl. [3] 17, 609).
- C<sub>29</sub>H<sub>24</sub>O<sub>5</sub>N<sub>2</sub>J<sub>2</sub>** 1) **Di[Jodmethylat] d. Benzoylchininin** (A. ch. [7] 7, 143). — **III, 815.**
- C<sub>29</sub>H<sub>35</sub>O<sub>5</sub>N<sub>2</sub>S** 1) **Aethyl-3,3'-Di[Dithiylamido]phenolsaccharin.** Sm. 220—222° (Bl. [3] 17, 700).
- C<sub>29</sub>H<sub>38</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>** 1) **Di[Bromäthylat] d. Dioxybenzylcinchotin.** Sm. 210° u. Zers. (A. 269, 246). — **III, 842.**
- C<sub>29</sub>H<sub>44</sub>ON<sub>2</sub>S** 1) **s-Stearyl-1-Naphthylthioharnstoff.** Sm. 80—81° (Soc. 69, 1601).
- C<sub>29</sub>H<sub>49</sub>O<sub>6</sub>NS** 1) **Taurochenocholsäure.** Na + H<sub>3</sub>O (J. 1849, 547; 1859, 636; A. 149, 192). — **I, 1181.**
- C<sub>29</sub>H<sub>49</sub>O<sub>13</sub>N<sub>2</sub>P<sub>3</sub>** 1) **Nuclein.** Lit. bedeutend. — **IV, 1621.**

**C<sub>30</sub>-Gruppe mit einem Element.**

- C<sub>30</sub>H<sub>22</sub>** C 94,3 — H 5,8 — M. G. 382.  
 1) 1,2,3,5 oder 1,2,4,5-Tetraphenylbenzol. Sm. 277—278° (A. 302, 211).  
 2) Kohlenwasserstoff (aus Dibenzylcarbinol). Sm. 268—269° (B. 25, 1273; A. 302, 211). — II, 304.
- C<sub>30</sub>H<sub>26</sub>** C 92,8 — H 7,2 — M. G. 388.
- C<sub>30</sub>H<sub>44</sub>** 1) Tetra-[<sup>P</sup>-Methylphenyl]äther. Sm. 215° (B. 14, 1530). — II, 302.  
 2)  $\alpha$ -Amyrilen. d-Derivat Sm. 134—135°; l-Derivat Sm. 193—194° (B. 20, 1244; 24, 3834, 3835). — III, 540.  
 3)  $\beta$ -Amyrilen. Sm. 175—178° (B. 20, 1245; 24, 3836). — III, 540.  
 3) Triterpen (aus Galbanum- oder Kamillenöl). Sd. 250—255° (A. 119, 263; B. 4, 39). — III, 540.
- C<sub>30</sub>H<sub>50</sub>** C 87,8 — H 12,2 — M. G. 410.
- C<sub>30</sub>H<sub>60</sub>** 1) Kohlenwasserstoff (aus Caryophyllenhydrat). Sm. 144—145° (A. 271, 293; 279, 393). — III, 513.  
 C 85,7 — H 14,3 — M. G. 420.  
 1) Melen. Sm. 62° (A. 2, 259; 71, 156).

**C<sub>30</sub>-Gruppe mit zwei Elementen.**

- C<sub>30</sub>H<sub>18</sub>O<sub>4</sub>** C 81,4 — H 4,1 — O 14,5 — M. G. 442.  
 1) 2,2'-Bi[1,3-Diketo-2-Phenyl-2,3-Dihydroindenyl]. Sm. 208° (B. 26, 2580). — III, 325.
- C<sub>30</sub>H<sub>18</sub>O<sub>6</sub>** C 71,1 — H 3,6 — O 25,3 — M. G. 506.  
 1) 3,4-Methylenäther-7,8-Dibenzoat d. 7,8-Dioxy-2-[3,4-Dioxyphe-nyl]-1,4-Benzopyron. Sm. 178° (B. 29, 2435).  
 2) Verbindung (aus 1-Oxynaphthalin u. Benzol-1,2,4,5-Tetracarbonsäure). (B. 4, 726). — II, 2073.
- C<sub>30</sub>H<sub>18</sub>N<sub>2</sub>** C 88,7 — H 4,4 — N 6,9 — M. G. 406.  
 1) Trinaphylendiamin + H<sub>2</sub>O. Zers. bei 180°. HCl (B. 9, 1107). — IV, 925.
- C<sub>30</sub>H<sub>18</sub>N<sub>3</sub>** C 85,5 — H 4,5 — N 10,0 — M. G. 421.  
 1)  $\alpha$ -(2-Naphyl)amido- $\alpha$ -Naphtazin. Sm. 296°. HCl (B. 26, 185; 29, 2087). — IV, 1216.  
 2) ms- $\alpha$ -Naphtyl-s-Naphtindulin (A. 286, 233). — IV, 1215.
- C<sub>30</sub>H<sub>20</sub>O<sub>6</sub>** C 75,6 — H 4,2 — O 20,2 — M. G. 476.  
 1) Tetraphenyläther d. 2,3,5,6-Tetraoxy-1,4-Benzoquinon. Sm. 229 bis 230° (Am. 17, 646). — III, 355.
- C<sub>30</sub>H<sub>20</sub>O<sub>7</sub>** C 73,2 — H 4,1 — O 22,7 — M. G. 492.  
 1) Dibensoylphycion. Sm. 230° (A. 284, 182). — III, 641.
- C<sub>30</sub>H<sub>20</sub>O<sub>8</sub>** C 70,9 — H 3,9 — O 25,2 — M. G. 508.  
 1) Dibensoyl d. Kämpferid. Sm. 185—186° (B. 14, 2388). — III, 632.
- C<sub>30</sub>H<sub>20</sub>N<sub>2</sub>** 2) Verbindung (aus Idrydisulfosäure). Sm. 246° (M. 1, 234).  
 C 88,2 — H 4,9 — N 6,9 — M. G. 408.
- C<sub>30</sub>H<sub>20</sub>N<sub>4</sub>** 1) Biacenaphylidenonphenylhydrazon (A. 290, 203). — IV, 779.  
 C 82,6 — H 4,6 — N 12,8 — M. G. 436.  
 1) Diphenylfluorindin. 2HCl, (HCl, AuCl<sub>4</sub> + H<sub>2</sub>O) (B. 23, 2789; 28, 300; 29, 1251). — IV, 1301.
- C<sub>30</sub>H<sub>22</sub>O** 2) Diphenylisofluorindin. 2HCl, (2HCl + FeCl<sub>3</sub>), (2HCl, PtCl<sub>4</sub>), (2HCl, AuCl<sub>4</sub>), Bichromat (B. 29, 1821; 31, 2442). — IV, 1301.
- C<sub>30</sub>H<sub>22</sub>O<sub>2</sub>** 3) s-Amido-ms-Naphtylnaphtindulin. HCl (Magdalaroth), (2HCl, PtCl<sub>4</sub>), Pikrat (B. 2, 374; 11, 623; 19, 1365; A. 286, 235). — IV, 1303.  
 C 90,5 — H 5,5 — O 4,0 — M. G. 398.  
 1) Verbindung (aus 1,2-Dioxy-1,2,3,5 oder 1,2,4,5-Tetraphenyl-1,2-Dihydrobenzol). Sm. 180—181° (A. 302, 208).  
 C 87,0 — H 5,3 — O 7,7 — M. G. 414.  
 1)  $\alpha$ -Diketo- $\alpha$ - $\beta$ - oder  $\alpha$  $\gamma$ -Tetraphenyl- $\beta$ - $\delta$ -Hexadien. Sm. 191—192° (A. 302, 198).

- C<sub>20</sub>H<sub>22</sub>O<sub>2</sub>** 2) **Verbindung** (aus 2-Methyl-9,10-Anthrachinon). Sm. 217—218° (B. 15, 1823). — III, 450.  
C 80,7 — H 4,9 — O 14,3 — M. G. 446.
- C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>** 1) **Diacetat d. αβ-Dioxydiphenylethenäthan.** Sm. 230° u. Zers. (A. 291, 5).  
C 75,3 — H 4,6 — O 20,1 — M. G. 478.
- C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>** 1) **1,2,4,5-Tetraphenyläther d. Hexaoxybenzol.** Sm. 219—220° u. Zers. (Am. 17, 648).  
2) **9,9-Dip[Acetylphenyl]fluoren-P-Carbonsäure.** Sm. 130° u. Zers. (A. 247, 287). — II, 1916.  
C 57,9 — H 3,5 — O 38,6 — M. G. 622.
- C<sub>20</sub>H<sub>22</sub>O<sub>15</sub>** 1) **Protocetrarsäure + H<sub>2</sub>O.** Zers. bei 230°. Ba<sub>2</sub>, Ag<sub>2</sub> (J. pr. [2] 57, 297, 442; [2] 58, 468).
- C<sub>20</sub>H<sub>22</sub>O<sub>19</sub>** 2) **Usnaräsure.** Zers. bei 230° (J. pr. [2] 57, 241).  
C 52,5 — H 3,2 — O 44,3 — M. G. 686.
- C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>** 1) **Anhydrid d. Methylenligallussäure (B. 31, 262).  
2) Anhydrid d. isom. Methylenligallussäure. NH<sub>4</sub> (B. 5, 1097; 31, 264; A. 263, 285).  
C 87,8 — H 5,4 — N 6,8 — M. G. 410.**
- C<sub>20</sub>H<sub>22</sub>N<sub>3</sub>** 1) **2,3,4-Triphenyl-3,4-Dihydro-1,4-Naphthosodiazin.** Sm. 163—164° (B. 24, 722). — IV, 1090.  
C 82,2 — H 5,0 — N 12,8 — M. G. 438.
- C<sub>20</sub>H<sub>22</sub>N<sub>4</sub>** 1) **1,1',5,5'-Tetraphenyl-3,3'-Bipyrazol.** Sm. 232° (A. 278, 295). — IV, 1299.  
2) **Tetraphenylglykosin.** Sm. oberh. 300° (Soc. 51, 553). — III, 286.
- C<sub>20</sub>H<sub>22</sub>N<sub>5</sub>** 3) **Phenylamidophenylposafarin (Phenylindulin).** Sm. 231°. HNO<sub>3</sub> (A. 256, 261; 262, 257; 286, 190, 193; B. 28, 2288; 29, 368; 30, 2626). — IV, 1280.  
4) **Phenylmauvein.** Sm. 256—257° (A. 286, 208). — IV, 1285.  
C 79,4 — H 5,1 — N 15,4 — M. G. 453.
- C<sub>20</sub>H<sub>22</sub>N<sub>7</sub>** 1) **Amidophenylindulin.** Sm. 150—152°. HCl +  $\frac{1}{2}$ H<sub>2</sub>O, (HCl, AuCl<sub>3</sub>), HNO<sub>3</sub> + H<sub>2</sub>O (B. 17, 75; 29, 368; A. 262, 256; 286, 195; Soc. 43, 116). — IV, 1326.  
2) **Base (aus Phenylamidoindulin).** HCl (A. 272, 315). — IV, 1284.  
C 74,8 — H 4,8 — N 20,4 — M. G. 481.
- C<sub>20</sub>H<sub>22</sub>O<sub>5</sub>** 1) **5-Imido-4-[1,3-Diphenyl-4,5-Dihydropyrazolyl-5-]azo-1,3-Diphenyl-4,5-Dihydropyrazol.** Sm. 217° (J. pr. [2] 58, 142).  
C 86,5 — H 5,7 — O 7,7 — M. G. 416.
- C<sub>20</sub>H<sub>22</sub>O<sub>2</sub>** 1) **α<sub>1</sub>-Diketo-α<sub>2</sub>β<sub>2</sub> oder α<sub>1</sub>β<sub>1</sub>β<sub>2</sub>-Tetraphenyl-β-Hexen.** Sm. 220—222° (A. 302, 203).  
2) **1,2-Dioxy-1,2,3,5 oder 1,2,4,5-Tetraphenyl-1,2-Dihydrobenzol.** Sm. 170—171° (A. 302, 206).  
3) **2,7,2',7'-Tetramethyldianthylen.** Sm. 275—277° (B. 28, 2311). — III, 232.  
4) **4,5,4',5'-Tetramethyldianthylen.** Sm. noch nicht bei 360° (B. 28, 2311). — III, 232.  
5) **Verbindung** (aus d. Verb. C<sub>20</sub>H<sub>22</sub>O<sub>2</sub>). K (A. 302, 206).  
C 83,3 — H 5,6 — O 11,1 — M. G. 432.
- C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>** 1) **2,4,6-Tribenzoil-1,3,5-Trimethylbenzol.** Sm. 215—216° (A. ch. [6] 6, 237). — III, 322.  
C 80,3 — H 5,3 — O 14,3 — M. G. 448.
- C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>** 1) **Diacetat d. Verb. C<sub>20</sub>H<sub>22</sub>O<sub>2</sub> (aus Phenol- u. Benzaldehyd) (Am. 9, 131).** — III, 10.  
C 75,0 — H 5,0 — O 20,0 — M. G. 480.
- C<sub>20</sub>H<sub>22</sub>O<sub>6</sub>** 1) **β-Truxillfluorescein (B. 26, 835).** — II, 2067.  
C 70,3 — H 4,7 — O 25,0 — M. G. 512.
- C<sub>20</sub>H<sub>22</sub>O<sub>9</sub>** 1) **Dibenzoot d. Di[4,6-Dioxy-2-Methylphenyl]essigsäure.** Sm. 204° (Soc. 73, 401).  
2) **Acetylrhizocarpsäure.** Sm. 168° (J. pr. [2] 58, 515).  
C 68,1 — H 4,5 — O 27,3 — M. G. 528.
- C<sub>20</sub>H<sub>22</sub>O<sub>9</sub>** 1) **Dibenzoot d. Barbaloïn (C. 1897 [2] 525).**  
C 87,4 — H 5,8 — N 6,8 — M. G. 412.
- C<sub>20</sub>H<sub>22</sub>N<sub>2</sub>** 1) **4,4'-Dicinnamylidenamidobiphenyl.** Sm. 260—261°. 2HCl (A. 239, 385). — IV, 968.

- $C_{30}H_{24}N_2$       2) **2,6-Diphenyl-3,5-Dibenzyl-1,4-Diazin.** Sm. 146—147° (Soc. **63**, 1371). — **IV**, 1096.  
                   3) **Nitril d.  $\alpha\beta\gamma\delta$ -Tetraphenylbutan- $\beta\gamma$ -Dicarbonsäure.** Sm. 235° (B. **25**, 290). — **II**, 1916.
- $C_{30}H_{24}N_4$       C 81,8 — H 5,4 — N 12,7 — M. G. 440.  
                   1) **2,5-Di[Phenylamido]-1,4-Di[Phenylimido]-1,4-Dihydrobenzol (Azo-phenin).** Sm. 236—237° (B. **8**, 1028; **10**, 1311; **20**, 1539, 2480; **21**, 683; **A**, **255**, 180; **256**, 258; **M**, **9**, 417; Soc. **43**, 115; J. **1882**, 369; B. **31**, 1789). — **III**, 341.  
                   C 76,9 — H 5,1 — N 17,9 — M. G. 468.
- $C_{30}H_{24}N_6$       1) **5,5-Diphenyl-1,1'-Di[4-Methylphenyl]-3,3'-Bi-1,2,4-Triazol.** Sm. bei 300°. +  $C_6H_6$  (B. **22**, 3117). — **IV**, 1332.  
                   C 90,2 — H 6,3 — N 3,5 — M. G. 399.
- $C_{30}H_{25}N$       1) **1-Aethyl-2,3,4,5-Tetraphenylpyrrol.** Sm. 221° (B. **22**, 555). — **IV**, 478.  
                   C 79,1 — H 5,5 — N 15,4 — M. G. 455.
- $C_{30}H_{25}N_5$       1) **Anilinschwarz.** 2HCl. Lit. bedeutend. — **III**, 675.
- $C_{30}H_{25}O$       C 89,5 — H 6,5 — O 4,0 — M. G. 402.  
                   1) **Verbindung** (aus d. Diketon  $C_{30}H_{24}O_3$ ). Sm. 110—111° (A. **302**, 205).  
                   2) **Verbindung** (aus d. Diketon  $C_{30}H_{24}O_3$ ). Sm. 194—195° (A. **302**, 205).  
                   C 86,1 — H 6,2 — O 7,6 — M. G. 418.
- $C_{30}H_{26}O_2$       1)  **$\alpha\beta$ -Diketo- $\alpha\beta\gamma$ -Tetraphenylhexan.** Sm. 270° (266—267°) (A. **296**, 327; **302**, 202, 214).  
                   C 82,9 — H 6,0 — O 11,0 — M. G. 434.
- $C_{30}H_{26}O_3$       1) **Methyläther d.  $\alpha\beta$ -Diketo- $\epsilon$ -[4-Oxyphenyl]- $\alpha\beta\gamma$ -Triphenylpentan.** Sm. 206° (A. **281**, 59). — **III**, 310.  
                   C 80,0 — H 5,8 — O 14,2 — M. G. 450.
- $C_{30}H_{26}O_4$       1) **Aethyldibenzoin.** Sm. 200° (A. **155**, 79, 93; B. **4**, 336). — **III**, 283.  
                   2) **Diacetat d.  $\alpha\alpha'$ -Diphenyl- $\beta\beta'$ -Di[ $\beta$ -Oxyphenyl]äthan.** Sm. 155° (A. **279**, 331). — **II**, 1008.  
                   3) **Succinat d.  $\alpha$ -Oxydiphenylmethan.** Sm. 141—142° (A. **133**, 23). — **II**, 1078.  
                   C 77,2 — H 5,6 — O 17,2 — M. G. 466.
- $C_{30}H_{26}O_5$       1) **Anhydrid d.  $\alpha$ -Oxy- $\beta\beta'$ -Diphenylpropionsäure** (A. **248**, 48). — **II**, 1699.  
                   2) **Verbindung** (aus Lapachon) (G. **12**, 373; **19**, 618). — **III**, 403.  
                   C 72,3 — H 5,2 — O 22,7 — M. G. 498.
- $C_{30}H_{26}O_7$       1) **Chrysarobin.** Sm. 170—178° (A. **212**, 29; B. **14**, 2700; **19**, 2331). — **III**, 453.  
                   2) **Diäthylester d. Rhizocarpäsure.** Sm. 159° (J. pr. [2] **58**, 514).  
                   C 67,9 — H 4,9 — O 27,2 — M. G. 530.
- $C_{30}H_{26}O_9$       1) **Oxypeucedanin.** Sm. 140—141° (C. **1899** [1] 432).  
                   C 64,0 — H 4,6 — O 31,3 — M. G. 562.
- $C_{30}H_{26}O_{11}$       1) **Pentacetat d. GalloL.** Sm. 230° (A. **209**, 269). — **II**, 1124.  
                   2) **Pentacetat d. o-Verb.**  $C_{30}H_{24}O_5$  (A. **243**, 183).  
                   3) **Pentacetat d. m-Verb.**  $C_{30}H_{24}O_5$  (A. **243**, 179).  
                   C 87,0 — H 6,3 — N 6,6 — M. G. 414.
- $C_{30}H_{26}N_3$       1) **2,5-Diphenyl-1,4-Dibenzyl-1,4-Dihydro-1,4-Diazin.** Sm. 163° (Soc. **63**, 1362). — **IV**, 1030.  
                   2) **2,6-Diphenyl-1,4-Dibenyl-1,4-Dihydro-1,4-Diazin.** Sm. 86°. (2HCl,  $PtCl_4 + 5H_2O$ ) (Soc. **63**, 1369). — **IV**, 1031.  
                   C 81,4 — H 5,9 — N 12,7 — M. G. 442.
- $C_{30}H_{26}N_4$       1) **Hydrazophenin.** Sm. 173—174° (B. **20**, 2483). — **III**, 342.  
                   C 89,1 — H 6,9 — O 4,0 — M. G. 404.
- $C_{30}H_{26}O$       1) **1-Oxy-1,2,4,5-Tetraphenylhexahydrobenzol.** Sm. 182° (A. **296**, 327).  
                   2) **Phenyl-2,5-Dimethylphenylpinakolin.** Sm. 146° (J. pr. [2] **35**, 477). — **III**, 266.
- $C_{30}H_{26}O_2$       C 85,7 — H 6,6 — O 7,6 — M. G. 420.  
                   1) **1,2-Dioxy-1,2,4,5-Tetraphenylhexahydrobenzol.** Sm. 210—211° (A. **296**, 326).
- $C_{30}H_{26}O_4$       C 79,6 — H 6,2 — O 14,2 — M. G. 452.  
                   1) **Tetramethyläther d.  $\alpha\beta\gamma\beta$ -Tetra[4-Oxyphenyl]äthen.** Sm. 181 bis 182° (B. **28**, 2874).  
                   C 76,9 — H 6,0 — O 17,1 — M. G. 468.
- $C_{30}H_{26}O_5$       1) **Tetramethyläther d.  $\alpha\alpha\beta\beta$ -Tetra[4-Oxyphenyl]äthanoxyd.** Sm. 188 bis 189° (B. **28**, 2874).

- C<sub>30</sub>H<sub>36</sub>N<sub>2</sub>** C 86,5 — H 6,7 — N 6,7 — M. G. 416.  
 1) **Aethylbenzylamin.** Sm. 135°. (2HCl, PtCl<sub>4</sub>) (B. 18, 1855). — III, 24.  
**C<sub>30</sub>H<sub>36</sub>N<sub>5</sub>** C 78,4 — H 6,3 — N 15,2 — M. G. 459.  
 1) **2-[4-Methylphenyl]imido-1,3-Di[4-Methylphenylamido]methylen-5-Methyl-2,3-Dihydrobenzimidazol.** Sm. 210° (B. 24, 2521). — IV, 624.
- C<sub>30</sub>H<sub>36</sub>O<sub>5</sub>** C 76,6 — H 6,4 — O 17,0 — M. G. 470.  
 1) **Anhydroderivat** (aus d. Lakton d.  $\alpha$ -Oxydi[-Methylphenyl]essigsäure) (B. 23 [2] 613).  
**C<sub>30</sub>H<sub>36</sub>O<sub>11</sub>** **C<sub>30</sub>H<sub>36</sub>N<sub>4</sub>** 1) **Cetrarsäure**, siehe C<sub>18</sub>H<sub>36</sub>O<sub>9</sub>. — II, 2082.  
 C 80,7 — H 6,7 — N 12,5 — M. G. 446.  
 1)  **$\alpha\beta$ -Di[4-Benzylidenamido-2-Methylphenylamido]äthan.** Sm. 175 bis 176° (Sor. 71, 426). — IV, 602.  
 2) **Acetophenonäthylenphenylhydrazen.** Sm. 117—118° (A. 254, 127). — IV, 771.
- C<sub>30</sub>H<sub>36</sub>O<sub>4</sub>** C 78,9 — H 7,0 — O 14,0 — M. G. 456.  
 1) **Bis-Dihydrosantinsäure.** Sm. 215° (G. 23 [1] 60). — II, 2035.  
**C<sub>30</sub>H<sub>36</sub>N<sub>3</sub>** C 82,7 — H 7,6 — N 9,7 — M. G. 435.  
 1) **4'-[4-Methylphenyl]amido-4<sup>1</sup>,4<sup>2</sup>-Di[Dimethylamido]triphenylmethan.** Sm. 177°. Pikrat (A. 274, 229). — IV, 1196.  
 2) **trimolec. 2-Methyl-2-Dihydrochinolin** (C. 1898 [1] 1127).  
 3) **Base** (aus Isobutylidenphenylhydrazin). Sm. 215—216° (M. 16, 860). — IV, 227.
- C<sub>30</sub>H<sub>36</sub>O<sub>4</sub>** C 78,6 — H 7,4 — O 14,0 — M. G. 458.  
 1) **Santonon.** Sm. 223° (G. 22 [2] 126). — II, 2035.  
 2) **Isosantonon.** Sm. 280° u. Zers. (G. 22 [2] 132). — II, 2035.
- C<sub>30</sub>H<sub>36</sub>O<sub>10</sub>** C 65,5 — H 6,1 — O 28,9 — M. G. 554.  
 1) **Astylenester d. Filixsäure.** Sm. 165° (B. 21, 2964). — II, 1967.
- C<sub>30</sub>H<sub>36</sub>O<sub>13</sub>** C 61,4 — H 5,8 — O 32,8 — M. G. 586.  
 1) **Hexapropionat d.  $\alpha$ -Hexaoxybiphenyl** (A. 169, 243). — II, 1042.
- C<sub>30</sub>H<sub>36</sub>O<sub>13</sub>** C 59,8 — H 5,6 — O 34,5 — M. G. 602.  
 1) **Ledixanthin** (J. 1883, 1402). — III, 688.  
 2) **Ononin.** Sm. 235° u. Zers. (J. 1855, 713). — III, 599.
- C<sub>30</sub>H<sub>36</sub>O<sub>15</sub>** 3) **Pikrotoxin**, siehe C<sub>15</sub>H<sub>16</sub>O<sub>6</sub>. — III, 642.  
 C 56,8 — H 5,3 — O 37,9 — M. G. 634.  
 1) **Alcoëretinsäure** (J. 1863, 597). — III, 618.
- C<sub>30</sub>H<sub>36</sub>O<sub>16</sub>** C 64,7 — H 6,5 — O 29,8 — M. G. 556.  
 1) **Coriamyrtin.** Sm. 220° (Z. 1866, 663). — III, 578.  
**C<sub>30</sub>H<sub>36</sub>O<sub>35</sub>** C 37,6 — H 3,8 — O 58,6 — M. G. 956.  
 1) **Mannitweinsäure.** Mg<sub>2</sub> + 30H<sub>2</sub>O, Ca<sub>2</sub> + 6H<sub>2</sub>O (A. ch. [3] 47, 330). — I, 795.  
 2) **Pinitweinsäure.** Ca<sub>2</sub> (BERTHKLOT, Chim. org. 2, 220). — I, 795.  
**C<sub>30</sub>H<sub>36</sub>N<sub>2</sub>** C 84,9 — H 8,5 — N 6,6 — M. G. 424.  
 1) **Hydrocuminamid.** Sm. 65° (A. 106, 259; 245, 304; B. 6, 1253). — III, 56.  
 2) **Base** (aus Hydrocuminamid). Sm. bei 205°. H<sub>4</sub>SO<sub>4</sub> (B. 6, 1253). — III, 56.
- C<sub>30</sub>H<sub>36</sub>S<sub>3</sub>** 1)  **$\alpha$ -Trithiocuminaldehyd.** Sm. 165° (B. 29, 150). — III, 55.  
 2)  **$\beta$ -Trithiocuminaldehyd.** Sm. 205°. + 3C<sub>6</sub>H<sub>6</sub> (B. 29, 150). — III, 55.
- C<sub>30</sub>H<sub>36</sub>O<sub>3</sub>** C 83,7 — H 8,8 — O 7,4 — M. G. 430.  
 1) **Di[3-Methyl-6-Propylphenyläther] d.  $\alpha\alpha$ -Dioxy- $\alpha$ -[4-Isopropylphenyl]methan** (Cumylenthymoläther). Sm. 157° (Z. 1869, 43). — III, 55.  
 C 80,7 — H 8,5 — O 10,8 — M. G. 446.
- C<sub>30</sub>H<sub>36</sub>O<sub>3</sub>** 1) **Anhydrid d. Säure C<sub>11</sub>H<sub>22</sub>O<sub>2</sub>** (aus Camphersäureanhydrid). Sm. 135° (C. 1895 [2] 1082).  
 C 77,9 — H 8,2 — O 13,9 — M. G. 462.
- C<sub>30</sub>H<sub>36</sub>O<sub>4</sub>** 1) **Helleboresin.** Sm. 140—150° u. Zers. (A. 135, 64). — III, 593.  
**C<sub>30</sub>H<sub>36</sub>O<sub>6</sub>** C 72,9 — H 7,7 — O 19,4 — M. G. 494.  
 1) **Santononsäure.** Sm. 215—216° u. Zers. Ag<sub>2</sub> (G. 22 [2] 129). — II, 2035.  
 2) **Isosantononsäure.** Sm. 167—168°. Ag<sub>2</sub> (G. 22 [2] 137). — II, 2035.  
 3) **d-Disantonige Säure.** Sm. 250° u. Zers. (G. 25 [1] 507). — II, 2036.  
 4) **l-Disantonige Säure.** Sm. 250—250,5° (B. 28 [2] 394; G. 25 [1] 521). — II, 2036.

- C<sub>20</sub>H<sub>38</sub>O<sub>6</sub>** 5) **racem. i-Disantonige Säure.** Sm. 243—244° u. Zers. (G. 25 [1] 528; B. 28 [2] 394). — **II.** 2036.  
6) **Didesmotroposantonige Säure.** Sm. 254—255° (B. 28 [2] 394; G. 25 [1] 538). — **II.** 2036.
- C<sub>20</sub>H<sub>38</sub>O<sub>5</sub>** C 68,4 — H 7,2 — O 24,3 — M. G. 526.
- C<sub>20</sub>H<sub>38</sub>O<sub>10</sub>** 1) **Tetraäthylester d. α,β-Diphenylhexan-β,β,β-Tetracarbonsäure.** Sm. 126—127° (Soc. 65, 1018). — **II.** 2085.  
C 64,5 — H 6,8 — O 28,7 — M. G. 558.
- C<sub>20</sub>H<sub>38</sub>O<sub>10</sub>N** 1) **Quassiasäure + H<sub>2</sub>O.** Sm. 244—245° u. Zers. Ba + 7H<sub>2</sub>O, Pb + 6H<sub>2</sub>O, Fe<sub>2</sub> (G. 14, 7; 17, 570). — **III.** 647.  
C 67,2 — H 9,4 — N 3,4 — M. G. 413.
- C<sub>20</sub>H<sub>38</sub>N** 1) **Tri(4-Isopropylbenzyl)amin.** Sm. 81—82°. HCl, (2HCl, PtCl<sub>4</sub>) (A. Spl. 1, 143). — **II.** 561.  
C 81,3 — H 9,2 — N 9,5 — M. G. 443.
- C<sub>20</sub>H<sub>41</sub>N<sub>3</sub>** 1) **2-Pentadekyl-4,8-Diphenyl-1,3,5-Triazin.** Sm. 64°; Sd. 327—328°, (B. 22, 809). — **IV.** 1199.  
C 86,3 — H 10,3 — N 3,4 — M. G. 417.
- C<sub>20</sub>H<sub>42</sub>N** 1) **5-Heptadekylakridin.** Sm. 69—70°. HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> (G. 22 [2] 549). — **IV.** 421.  
C 85,7 — H 10,5 — O 3,8 — M. G. 420.
- C<sub>20</sub>H<sub>44</sub>O** 1) **α-Keto-α,β-Diphenyloktadekan (Cetyldeoxybenzoīn).** Sm. 76°; Sd. bei 430° (B. 25, 2239). — **III.** 239.  
C 85,3 — H 10,9 — O 3,8 — M. G. 422.
- C<sub>20</sub>H<sub>44</sub>O** 1) **Verbindung** (aus Sandelholz). Sd. 280—285° (Bl. 37, 303). — **III.** 549.  
C 82,2 — H 10,5 — O 7,3 — M. G. 438.
- C<sub>20</sub>H<sub>46</sub>O<sub>4</sub>** 1) **Butyrat d. Ergosterin.** Sm. 95° u. Zers. (A. ch. [6] 20, 295). — **II.** 1076.  
C 76,6 — H 9,8 — O 13,6 — M. G. 470.
- C<sub>20</sub>H<sub>46</sub>O<sub>4</sub>** 1) **Echicerinsäure** (A. 178, 64). — **III.** 630.  
C 60,2 — H 7,7 — O 32,1 — M. G. 598.
- C<sub>20</sub>H<sub>46</sub>O<sub>12</sub>** 1) **Ouabain + 9H<sub>2</sub>O.** Sm. 185—200°. Ba (B. 21 [2] 359; 22 [2] 105; Bl. [3] 19, 201, 734, 831). — **III.** 599.  
C 57,2 — H 7,3 — O 35,5 — M. G. 630.
- C<sub>20</sub>H<sub>46</sub>O<sub>14</sub>** 1) **Menganthin.** Sm. 60—65° (J. 1861, 749; 1865, 610). — **III.** 597.  
C 48,5 — H 6,2 — O 45,3 — M. G. 742.
- C<sub>20</sub>H<sub>46</sub>O<sub>21</sub>** 1) **Glyklignose** (A. Spl. 223). — **III.** 592.  
C 82,0 — H 10,6 — N 6,4 — M. G. 434.
- C<sub>20</sub>H<sub>46</sub>N<sub>2</sub>** 1) **Verbindung** (aus Campherin). Sm. bei 100°. (HCl, AuCl<sub>3</sub>) (B. 29, 2810). — **IV.** 77.
- C<sub>20</sub>H<sub>46</sub>O** C 84,9 — H 11,3 — O 3,8 — M. G. 424.
- C<sub>20</sub>H<sub>46</sub>O<sub>2</sub>** 1) **α-Amyron + H<sub>2</sub>O.** Sm. 125—130° (B. 24, 3836). — **III.** 557.  
2) **β-Amyron.** Sm. 178—180° (B. 24, 3837). — **III.** 557.  
C 81,8 — H 10,9 — O 7,3 — M. G. 440.
- C<sub>20</sub>H<sub>46</sub>O<sub>2</sub>** 1) **Echicerin.** Sm. 157° (A. 178, 61; P. 65, 240). — **III.** 629.  
2) **Oxy-α-Amyron + 2H<sub>2</sub>O.** Sm. 207—208° (B. 24, 3838). — **III.** 557.  
3) **Propionat d. Sitosterin.** Sm. 108,5° (M. 18, 559).  
C 78,9 — H 10,5 — O 10,5 — M. G. 456.
- C<sub>20</sub>H<sub>46</sub>O<sub>2</sub>** 1) **Gentiol.** Sm. 215—219° (M. 12, 480). — **III.** 633.  
2) **Ursin + 2H<sub>2</sub>O.** Sm. 264—266° (Z. 1866, 382; J. 1854, 659; M. 14, 255). — **III.** 649.  
C 76,3 — H 10,2 — O 13,5 — M. G. 472.
- C<sub>20</sub>H<sub>46</sub>O<sub>4</sub>** 1) **Diacetat d. Onocol.** Sm. 224° (B. 29, 2986).  
2) **d-Diborneolester d. Camphersäure.** Sm. 102—128° (?) (B. 23 [2] 283). — **III.** 471.  
3) **1-Diborneolester d. Camphersäure.** Sm. 122° (B. 23 [2] 283). — **III.** 471.
- C<sub>20</sub>H<sub>46</sub>O<sub>6</sub>** C 67,1 — H 8,9 — O 23,9 — M. G. 536.
- C<sub>20</sub>H<sub>46</sub>O<sub>10</sub>** 1) **α-Chinovin.** PbO (A. 17, 161; 40, 323; 45, 278; 79, 145; 111, 182; 145, 9; Z. 1867, 537; J. 1869, 578; B. 16, 928; R. 2, 162). — **III.** 575.  
2) **β-Chinovin.** Sm. 235° u. Zers. + 5C<sub>6</sub>H<sub>6</sub>O (B. 16, 928, 930). — **III.** 575.  
C 60,0 — H 8,0 — O 32,0 — M. G. 600.
- C<sub>20</sub>H<sub>46</sub>O<sub>12</sub>** 1) **Periplocin.** Sm. 205° (C. 1897 [2] 130).  
C 58,4 — H 7,8 — O 33,8 — M. G. 616.
- C<sub>20</sub>H<sub>46</sub>O<sub>12</sub>** 1) **Ouabainsäure.** Sm. bei 235° u. Zers. Na + 3H<sub>2</sub>O, Sr + 6H<sub>2</sub>O, Ba + H<sub>2</sub>O (Bl. [3] 19, 832).

- C<sub>30</sub>H<sub>48</sub>O<sub>14</sub>** C 56,9 — H 7,6 — O 35,4 — M. G. 632.  
 1) **Hexaacetyllinusinsäure.** Fl. (M. 8, 161). — I, 851.  
**C<sub>30</sub>H<sub>48</sub>O<sub>38</sub>** C 35,4 — H 4,7 — O 59,8 — M. G. 1018.  
 1) **Pachymose** (B. 28, 776; H. 21, 149).  
**C<sub>30</sub>H<sub>50</sub>O** C 84,5 — H 11,7 — O 3,8 — M. G. 426.  
 1)  $\alpha$ -**Amyrin.** Sm. 181—181,5° (J. 1851, 528; 1876, 911; A. 192, 179; B. 20, 1243; 23, 3186; 24, 3836). — III, 556.  
 2)  $\beta$ -**Amyrin.** Sm. 193—194° (B. 20, 1245; 23, 3187; 24, 3836; A. 271, 216). — III, 556.  
**C<sub>30</sub>H<sub>50</sub>O<sub>2</sub>** C 81,5 — H 11,3 — O 7,2 — M. G. 442.  
 1) **Cerin** (oder C<sub>30</sub>H<sub>48</sub>O<sub>2</sub>). Sm. 249° (C. 1898 [2] 1102).  
 2) **Condurasterin** (G. 21, 210). — III, 577.  
 3) **Pertusarin.** Sm. 235° (J. pr. [2] 58, 504).  
 4) **Acetat d. Chironol.** Sm. 196° (B. 28 [2] 1056).  
 5) **Acetat d. Homocholesterin.** Sm. 223° (G. 19, 211). — II, 1076.  
 6) **Propionat d. Cholesterin** (oder C<sub>30</sub>H<sub>48</sub>O<sub>2</sub>). Sm. 98° (H. 15, 39, 368, 373). — II, 1073.  
 7) **Butyrat d. Cholesterin** (A. ch. [3] 56, 59; M. 15, 374). — II, 1073.  
**C<sub>30</sub>H<sub>52</sub>O<sub>2</sub>** C 81,1 — H 11,7 — O 7,2 — M. G. 444.  
 1) **Propionat d. Koprosterin.** Sm. 92° (H. 22, 400).  
 2) **Verbindung** (aus Diisovaleraldehyd) (B. 8, 373). — I, 962.  
**C<sub>30</sub>H<sub>52</sub>O<sub>9</sub>** C 66,7 — H 9,6 — O 23,7 — M. G. 540.  
 1) **Boldoglykosid** (Bl. 42, 291). — III, 573.  
**C<sub>30</sub>H<sub>52</sub>O<sub>10</sub>** C 62,9 — H 9,1 — O 28,0 — M. G. 572.  
 1) **Randiasäure.** Sm. 208—210° (C. 1895 [1] 226).  
**C<sub>30</sub>H<sub>52</sub>O<sub>14</sub>** C 56,6 — H 8,2 — O 35,2 — M. G. 636.  
 1) **Verbindung** (Glykosid) (B. 26 [2] 897).  
**C<sub>30</sub>H<sub>52</sub>O<sub>3</sub>** C 77,3 — H 12,4 — O 10,3 — M. G. 466.  
 1) **Lakton d. Lanocerinsäure.** Sm. 104—105° (B. 28, 3134; 29, 1474).  
 2) **isom. Lakton d. Lanocerinsäure.** Sm. 86° (B. 29, 1476).  
**C<sub>30</sub>H<sub>52</sub>O<sub>6</sub>** C 70,0 — H 11,3 — O 18,7 — M. G. 514.  
 1) **Lithobilinsäure.** Sm. 199°. Ba + 6H<sub>2</sub>O (B. 12, 1925; J. 1880, 831; J. Th. 1879, 244). — I, 806.  
**C<sub>30</sub>H<sub>52</sub>N** C 83,2 — H 13,6 — N 3,2 — M. G. 433.  
 1) **Nitril d. Melissinsäure.** Sm. 70° (C. 1896 [1] 642).  
**C<sub>30</sub>H<sub>52</sub>O<sub>2</sub>** C 79,6 — H 13,2 — O 7,1 — M. G. 452.  
 1) **Melissinsäure** (oder C<sub>30</sub>H<sub>48</sub>O<sub>2</sub>). Sm. 90° (90,6%). Pb, Ag (A. 71, 149; 163, 353; 223, 295; J. r. 11, 113; M. 14, 736; C. 1896 [1] 642). — I, 449.  
 2) **Säure** (aus Bienenwachs). Sm. 89—90° (A. 224, 249). — I, 449.  
 3) **Tetradekylester d. Palmitinsäure.** Sm. 48° (B. 16, 3021). — I, 443.  
**C<sub>30</sub>H<sub>52</sub>O<sub>3</sub>** C 76,9 — H 12,8 — O 10,3 — M. G. 468.  
 1)  $\alpha$ -**Oxymelissinsäure.** Sm. 96,5° (C. 1896 [1] 642).  
 2) **Acetat d. Drimol.** Sm. 42—43° (A. 286, 375). — III, 630.  
**C<sub>30</sub>H<sub>52</sub>O<sub>4</sub>** C 74,4 — H 12,4 — O 13,2 — M. G. 484.  
 1) **Lanocerinsäure.** Sm. 104—105° (B. 29, 1475).  
**C<sub>30</sub>H<sub>51</sub>Cl** 1) **Chlortriakontan** (Myricylchlorid). Sm. 64,5° (A. 183, 348). — I, 157.  
**C<sub>30</sub>H<sub>51</sub>J** 1) **Jodtriakontan** (Myricyljodid). Sm. 69,5° (A. 183, 347). — I, 196.  
**C<sub>30</sub>H<sub>51</sub>O** C 82,2 — H 14,1 — O 3,6 — M. G. 438.  
 1) **Myricylalkohol.** Sm. 85° (88%) (A. 71, 147; 183, 344; 223, 283; Z. 1869, 300; B. 3, 569; M. 14, 735; Bl. [3] 11, 185). — I, 241.  
**C<sub>30</sub>H<sub>52</sub>O<sub>2</sub>** C 79,3 — H 13,6 — O 7,0 — M. G. 454.  
 1) **Coccerylalkohol.** Sm. 101—104° (B. 18, 1981). — I, 267.  
**C<sub>30</sub>H<sub>52</sub>S** 1) **Merkaptotriakontan** (Myricylmercaptan). Sm. 94,5° (A. 183, 349). — I, 350.  
**C<sub>30</sub>H<sub>48</sub>Pb<sub>2</sub>** 1) **Bieletrisoamyl.** Fl. (J. 1860, 383). — I, 1530.

### C<sub>30</sub>-Gruppe mit drei Elementen.

- C<sub>30</sub>H<sub>18</sub>O<sub>6</sub>N<sub>2</sub>** C 70,2 — H 2,9 — O 18,7 — N 8,2 — M. G. 513.  
 1) **Tri[Phenylimid] d. Benzolhexacarbonsäure** (J. pr. [2] 32, 238). — II, 2106.

- $C_{30}H_{18}O_5N_3$ , C 68,0 — H 2,8 — O 21,2 — N 7,9 — M. G. 529.  
 1) Triphthalylipikramid. Sm. oberh. 300° (A. 16, 253). — II, 1809.
- $C_{30}H_{18}O_5ON$ , C 85,3 — H 4,3 — O 3,8 — N 6,6 — M. G. 422.  
 1) Naphtylnaphthindon (A. 286, 234). — IV, 1084.
- 2) Phenylhydrazon d. Biacetanaphthylidendion. Sm. 105—110° (A. 276, 20). — III, 311.
- $C_{30}H_{18}O_5N_2$ , C 82,2 — H 4,1 — O 7,3 — N 6,4 — M. G. 438.  
 1) Oxynaphthylnaphthindon. HCl (A. 286, 237). — IV, 1085.
- $C_{30}H_{18}O_2N_4$ , C 77,2 — H 3,9 — O 6,9 — N 12,0 — M. G. 466.  
 1) Verbindung (aus Rhodizonsäure u. 2-Amino-1-Phenylamidobenzol) (B. 31, 2441).
- $C_{30}H_{18}O_4N_2$ , C 76,6 — H 3,8 — O 13,6 — N 6,0 — M. G. 470.  
 1) Dibenzoylindigo. Sm. 105° (J. 1863, 557). — II, 1621.
- $C_{30}H_{18}O_4Br$ , 1) Verbindung (aus Brommorphenolmethyläther). Sm. oberh. 315° (B. 30, 2441).
- $C_{30}H_{18}ON_5$ , C 82,4 — H 4,3 — O 3,7 — N 9,6 — M. G. 437.  
 1) Amidonaphthylnaphthindon (A. 286, 237). — IV, 1216.
- $C_{30}H_{20}ON_3$ , C 84,9 — H 4,7 — O 3,8 — N 6,6 — M. G. 424.  
 1) 4-[1-Naphthyl]imido-3-[1-Naphthyl]amido-1-Keto-1,4-Dihydronaphthalin. Sm. 237° (A. 272, 352). — IV, 1166.  
 2) 4-[1-Naphthyl]imido-7-[1-Naphthyl]amido-1-Keto-1,4-Dihydronaphthalin. Sm. 175° (B. 21, 395). — III, 394.  
 3) 4-[2-Naphthyl]imido-2-[2-Naphthyl]amido-1-Keto-1,4-Dihydronaphthalin. Sm. 246—247° (Soc. 45, 160). — III, 394.  
 4) Phenylnaphtophenantranazoniumhydrat.  $HNO_3$  (B. 20, 1185). — III, 445.  
 5) 2,3,4-Triphenyl-1,4-Naphthisodiazinon[6] (Phenylnaphtosubborosindon). HCl (B. 25, 206). — IV, 1092.
- $C_{30}H_{20}OS$ , 1) 1,1-Dinaphthyläther d. 1-Merkapto-9-Oxynaphthalin. Sm. 111° (J. pr. [2] 38, 140). — II, 870.
- $C_{30}H_{20}O_2N_2$ , C 81,8 — H 4,5 — O 7,3 — N 6,4 — M. G. 440.  
 1) 6,11-Di[Phenylamido]-5,12-Diketo-5,12-Dihydronaphthacen. Sm. bei 245° (B. 31, 1283).  
 2) Diphtalsuccinidehydroanilid. Sm. noch nicht bei 280° (B. 18, 3123). — II, 1809.
- $C_{30}H_{20}O_4N_2$ , C 76,3 — H 4,2 — O 13,6 — N 5,9 — M. G. 472.  
 1) 4,4'-Di[Phtalylamido]-3,3'-Dimethylbiphenyl. Sm. 307° (B. 21, 1066). — IV, 982.
- $C_{30}H_{20}O_4S$ , 1) Dibensoat d. Phenyl-3,4-Dioxy-1-Naphylsulfon. Sm. 178° (B. 28, 1316).
- $C_{30}H_{20}O_4N_6$ , C 60,8 — H 3,4 — O 21,6 — N 14,2 — M. G. 592.  
 1) Di[3-Oxyphenyläther] d. Cyanursäure +  $6H_2O$ . Sm. oberh. 360° u. Zers. (B. 13, 1619). — II, 918.
- 2) Verbindung (aus d. Verb.  $C_{34}H_{18}O_6N_6$ ). Sm. 229° (A. 226, 67). — IV, 1005.
- $C_{30}H_{20}O_4N_2$ , C 65,2 — H 3,6 — O 26,1 — N 5,1 — M. G. 552.  
 1) Anhydrid d. 2-[3-Nitro-4-Methylbenzoyl]benzol-1-Carbonsäure. Sm. 203° (A. 299, 313).
- $C_{30}H_{20}O_1Br_4$ , 1) Pentacetat d. Verb.  $C_{30}H_{18}O_6Br_4$  (aus  $\alpha\alpha\beta$ -Tri[1,2-Dioxophenyl]äthan) (A. 243, 184). — II, 1045.  
 2) Pentacetat d. Verb.  $C_{30}H_{18}O_6Br_4$  (aus  $\alpha\beta\beta$ -Tri[1,3-Dioxophenyl]äthan) (A. 243, 180). — II, 1045.
- $C_{30}H_{20}N_4Cl_4$ , 1) Tetrachlorazophenin. Sm. 265° (B. 21, 678). — III, 342.
- $C_{30}H_{20}N_4Br_4$ , 1) Tetrabromazophenin. Sm. 243° (B. 20, 2481; 21, 682; A. 243, 85). — III, 342.
- $C_{30}H_{21}O_2N_5$ , C 74,5 — H 4,3 — O 6,6 — N 14,5 — M. G. 483.  
 1) Rubasonssäure. Sm. 200°? (B. 27, 785). — IV, 1491.
- $C_{30}H_{21}O_5As$ , 1) Tri[2-Naphylester] d. Arsenigenäsäure. Sm. 113—114° (B. 28, 622).
- $C_{30}H_{21}O_5P$ , 1) Tri[1-Naphylester] d. Phosphorsäure. Sm. 145° (149—150°) (A. 152, 289; B. 15, 312 Ann.; 18, 640, 1770; 28, 3054; 30, 2380). — II, 858.  
 2) Tri[2-Naphylester] d. Phosphorsäure. Sm. 108° (110,5—111°) (A. 152, 290; B. 16, 1768; 28, 3057; 30, 2377). — II, 877.
- $C_{30}H_{21}O_5N_3$ , C 61,7 — H 3,6 — O 27,4 — N 7,2 — M. G. 583.  
 1) 2,4,6-Tri[Benzyloamido]-1-Oxybenzol-2',2',2'-Tricarbonsäure (Pikramintriphthalylsäure). Sm. oberh. 300° (G. 16, 254). — II, 1809.

- C<sub>30</sub>H<sub>21</sub>N<sub>1</sub>Cl** 1) 4-Chlorphenylat d. 2,3-Diphenyl-1,4-Naphtisodiazin (*B. 24*, 1872). — **IV, 1092.**
- C<sub>30</sub>H<sub>21</sub>N<sub>1</sub>Cl<sub>2</sub>** 1) Trichlorazophenin. Sm. 246° (*B. 21*, 677). — **III, 342.**
- C<sub>30</sub>H<sub>22</sub>ON<sub>2</sub>** 1) 4-Phenoxyhydrat d. 2,3-Diphenyl-1,4-Naphtisodiazin. Sm. 167°. Chlorid (*B. 24*, 1817, 2679). — **IV, 1092.**
- C<sub>30</sub>H<sub>22</sub>ON<sub>4</sub>** 1) 4-Acetylaminodiphenylrosindulin. HCl (*B. 31*, 2431).  
2) 3-Phenyl-2-[3-Benzoylamidophenyl]-2,3-Dihydro-1,2,4-Naphtisodiazin. Sm. 176—177° (*Soc. 59*, 700). — **IV, 1359.**
- C<sub>30</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** 1) 3-Benzoylamido-1-[Benzoyl-2-Naphthyl]amidobenzol. Sm. 213° (*B. 26*, 980). — **IV, 573.**  
2) 1,4-Dibenzoyl-2,3-Diphenyl-1,4-Dihydro-1,4-Diazin. Sm. 188—189° (*Soc. 63*, 1293). — **III, 284.**
- C<sub>30</sub>H<sub>22</sub>O<sub>2</sub>N<sub>4</sub>** 1) 5,5'-Diketo-1,3,1',3'-Tetraphenyl-4,5,4',5'-Tetrahydro-4,4'-Bipyrasol. Sm. 320° u. Zers. (316—317°) (*B. 20*, 2548; *27*, 1168; *30*, 116; *A. 293*, 108). — **IV, 1299.**  
2) Phenylhydrazonederivat d. *s*-Aethylendibenzoyl-2,2'-Dicarbonsäure. Sm. 236—237° (*B. 18*, 804). — **IV, 725.**
- C<sub>30</sub>H<sub>22</sub>O<sub>2</sub>Br<sub>2</sub>** 1)  $\beta\gamma$  oder  $\delta\epsilon$ -Dibrom- $\alpha$ -Diketo- $\alpha\beta\delta\epsilon$  oder  $\alpha\gamma\delta\epsilon$ -Tetraphenyl- $\beta$ -Hexen. Zers. bei 170° (*A. 302*, 200).
- C<sub>30</sub>H<sub>22</sub>O<sub>2</sub>Br<sub>4</sub>** 1)  $\beta\gamma\delta\epsilon$ -Tetrabrom- $\alpha$ -Diketo- $\alpha\beta\delta\epsilon$  oder  $\alpha\gamma\delta\epsilon$ -Tetraphenylhexan (*A. 302*, 200).
- C<sub>30</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** 1) 3,4'-3',4'-Dimethylenäther d. 1,6-Diphenyl-3,4-Di[3,4-Dioxyphe-1,2-Dihydro-1,2-Diazin. Sm. 186° (*A. 289*, 325). — **IV, 786.**
- C<sub>30</sub>H<sub>22</sub>O<sub>4</sub>N<sub>4</sub>** 1) 1,4-Dibenzoyl-3,6-Di[Phenylamido]-2,5-Diketo-1,2,4,5-Tetrahydro-1,4-Diazin (Hippuroflavindianilid). Sm. 235° (*A. 287*, 74). — **II, 1185.**
- C<sub>30</sub>H<sub>22</sub>O<sub>5</sub>N<sub>2</sub>** 1) Verbindung (aus 5-Keto-2-Benzyliden-3,4-Diphenyl-2,5-Dihydropyrrol). Sm. 173° (*B. 24*, 3873). — **II, 1728.**
- C<sub>30</sub>H<sub>22</sub>O<sub>5</sub>N<sub>4</sub>** 1) 3-Methyläther-1,7-Diacetat d. 4,5-Diphenylazo-1,3,7-Trioxyan-thon. Sm. 218—220° (*Soc. 73*, 673). — **IV, 1479.**
- C<sub>30</sub>H<sub>22</sub>O<sub>6</sub>N<sub>2</sub>** 1) Verbindung (aus 2-Nitrophenylbenztraubensäure). Sm. 157° (*B. 30*, 1040). — **IV, 697.**
- C<sub>30</sub>H<sub>22</sub>N<sub>2</sub>Cl** 1) 4-Chlorphenylat d. 6-Amido-2,3-Diphenyl-1,4-Naphtisodiazin + H<sub>2</sub>O. 2 + PtCl<sub>4</sub> (*B. 25*, 2003). — **IV, 1218.**  
2) Farbstoff (aus 4 Chlor-2-Methylchinolin). Sm. 220°. 2HCl (*B. 20*, 957). — **IV, 309.**
- C<sub>30</sub>H<sub>22</sub>N<sub>2</sub>S<sub>2</sub>** 1) Disulfid d. 2-Merkapto-4,5-Diphenylimidazol. Zers. bei 300° (*A. 284*, 16). — **III, 224.**
- C<sub>30</sub>H<sub>22</sub>ON** C 87,2 — H 5,5 — O 3,9 — N 3,4 — M. G. 413.
- C<sub>30</sub>H<sub>22</sub>ON<sub>2</sub>** 1) 1-Acetyl-2,3,4,5-Tetraphenylpyrrol. Sm. 226° (*B. 22*, 554). — **IV, 478.**
- C<sub>30</sub>H<sub>22</sub>ON<sub>5</sub>** C 76,7 — H 4,9 — O 3,4 — N 14,9 — M. G. 469.
- C<sub>30</sub>H<sub>22</sub>N<sub>2</sub>Cl** 1) Verbindung (aus Diazobenzolchlorid) (*Soc. 37*, 752). — **IV, 1515.**
- C<sub>30</sub>H<sub>22</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) 3-Chlor-2,5-Di[Phenylamido]-1,4-Di[Phenylimido]-1,4-Dihydrobenzol (Chlorazophenin). Sm. 230° (*B. 20*, 481; *A. 243*, 289). — **III, 342.**  
2) Anilidophenylaposafraninchlorid (*B. 30*, 2626).
- C<sub>30</sub>H<sub>24</sub>ON<sub>4</sub>** 1) Hydroxyazophenin. Sm. 197° (*B. 21*, 910). — **II, 730.**
- C<sub>30</sub>H<sub>24</sub>O<sub>2</sub>N<sub>2</sub>** 1)  $\alpha\gamma$ -Dioximido- $\alpha\beta\delta$  oder  $\alpha\gamma\delta$ -Tetraphenyl- $\beta\delta$ -Hexadien. Sm. 246° u. Zers. (*A. 302*, 199).  
2) 1,3-Di[Acetyl-2-Naphthylamido]benzol. Sm. 175° (*B. 26*, 981). — **IV, 574.**  
3) 1,4-Di[Acetyl-2-Naphthylamido]benzol. Sm. 210° (*B. 22*, 1802). — **IV, 590.**

- C<sub>29</sub>H<sub>34</sub>O<sub>4</sub>N<sub>2</sub>** C 75,6 — H 5,0 — O 13,4 — N 5,9 — M. G. 476.  
1) Diphtalsuccinanilid. Sm. 267° u. Zers. (B. 18, 3123). — II, 1808.
- C<sub>29</sub>H<sub>34</sub>O<sub>4</sub>N<sub>2</sub>** C 71,4 — H 4,8 — O 12,7 — N 11,1 — M. G. 504.  
1) 1,4-Dibenzoyl-3,6-Di[Phenylamido]-2,5-Dioxy-1,4-Dihydro-1,4-Diazin (Dihydrohippurodavindiaolid). Sm. 158—160° (A. 287, 73).
- C<sub>29</sub>H<sub>34</sub>O<sub>4</sub>Cl<sub>4</sub>** 1) Tetramethyläther d.  $\alpha\alpha\beta\beta$ -Tetra[P-Chlor-P-Oxyphenyl]äthen. Sm. 257° (B. 28, 2875).
- C<sub>29</sub>H<sub>34</sub>O<sub>5</sub>N<sub>4</sub>** C 69,2 — H 4,6 — O 15,4 — N 10,8 — M. G. 520.  
1) Anhydroverbindung d.  $\alpha\beta$ -Di[Phenylamido]- $\alpha\beta$ -Di[Benzoylamido]-bernsteinsäure. Sm. 226—227°. Ca (B. 26, 2322; A. 287, 77). — II, 1185.
- C<sub>29</sub>H<sub>34</sub>O<sub>5</sub>N<sub>2</sub>** C 70,9 — H 4,7 — O 18,9 — N 5,5 — M. G. 508.  
1) Aethylenäther d. Benzoylbenshydroxamsäure. Sm. 148° (A. 175, 342). — II, 1208.
- C<sub>29</sub>H<sub>34</sub>O<sub>5</sub>N<sub>4</sub>** C 67,2 — H 4,5 — O 17,9 — N 10,4 — M. G. 536.  
1) Tri[ $\beta$ -Phtalilamidoäthyl]amin. Sm. 187,5°. HCl, HBr (B. 29, 2531).
- C<sub>29</sub>H<sub>34</sub>O<sub>5</sub>N<sub>4</sub>** C 63,4 — H 4,2 — O 22,5 — N 9,9 — M. G. 568.  
1) Acetat d. Disasobenzoschesperitin. Sm. 240—242° (Soc. 73, 1033). — IV, 1474.
- C<sub>29</sub>H<sub>34</sub>O<sub>5</sub>Br<sub>4</sub>** Pentacetyltetrabromhemlockgerbsäure (B. 17, 1042). — III, 684.
- C<sub>29</sub>H<sub>35</sub>ON<sub>5</sub>** C 76,4 — H 5,3 — O 3,4 — N 14,9 — M. G. 471.  
1) 4-[4-Aethylphenylamidophenylazo]-1-[2-Oxy-1-Naphtylazo]benzol (Soc. 45, 111). — IV, 1434.
- C<sub>29</sub>H<sub>35</sub>O<sub>2</sub>N** C 83,5 — H 5,8 — O 7,4 — N 3,2 — M. G. 431.  
1) 1,3-Diketo-2,4,4-Tribenzyl-1,2,3,4-Tetrahydroisochinolin. Sm. 109° (B. 20, 2498). — II, 1913.
- C<sub>29</sub>H<sub>35</sub>O<sub>4</sub>N** C 77,8 — H 5,4 — O 13,8 — N 3,0 — M. G. 463.  
1) Dimethyläther d. Orcinphthalenanilid. Sm. noch nicht bei 300° (B. 26, 3079). — II, 2066.  
2) Diäthyläther d. Fluoresceinanilid. Sm. 162—164° (B. 27, 2791). — II, 2062.
- C<sub>30</sub>H<sub>35</sub>N<sub>4</sub>Cl** 1) 9-Chlormethylat d. 2-Phenylamido-9-Methylrosindulin[9]. HCl (A. 272, 328). — IV, 1297.
- C<sub>30</sub>H<sub>36</sub>ON<sub>2</sub>** C 86,5 — H 6,2 — O 3,8 — N 3,4 — M. G. 416.  
1) 4-Phenylhydrazon-1-Oxy-1,2,5-Triphenyl-1,2,3,4-Tetrahydrobenzol. Sm. 197° (B. 26, 67). — IV, 779.
- C<sub>30</sub>H<sub>36</sub>ON<sub>4</sub>** C 78,6 — H 5,7 — O 3,5 — N 12,2 — M. G. 458.  
1) Verbindung (aus Diphenacylessigsäure u. Phenylhydrazin). Sm. 164—166° (B. 18, 3148). — IV, 712.
- C<sub>30</sub>H<sub>36</sub>O<sub>2</sub>N<sub>2</sub>** C 80,7 — H 5,8 — O 7,2 — N 6,3 — M. G. 446.  
1)  $\alpha\gamma$ -Dioximido- $\alpha\beta\delta$ ; oder  $\alpha\gamma\delta\gamma$ -Tetraphenyl- $\beta$ -Hexen. Sm. 230° (A. 302, 204).  
2) Monophenylhydrazon d.  $\alpha\beta\gamma$ -Tribenzoylpropan. Sm. 57—60° (B. 24, 602). — IV, 788.  
3) Cinnidimabsenil. Sm. 283° (Soc. 49, 471). — III, 286.  
4) Di[Phenylamid] d.  $\gamma$ -Truxillsäure. Sm. 255° (B. 26, 838). — II, 1903.  
5) Diacetylinderivat d. Base C<sub>30</sub>H<sub>35</sub>N<sub>2</sub>. Sm. 280° (B. 26, 1704). — IV, 1091.  
6) Verbindung (aus Amarin) (J. pr. [2] 27, 302). — III, 25.
- C<sub>30</sub>H<sub>36</sub>O<sub>3</sub>N<sub>2</sub>** C 77,9 — H 5,6 — O 10,4 — N 6,0 — M. G. 462.  
1) 3,3'-Di[2,4-Dimethylbenzoyl]oxyazobenzol. Sm. 124° (A. 286, 335). — IV, 1345.
- C<sub>30</sub>H<sub>36</sub>O<sub>4</sub>N<sub>4</sub>** 1)  $\alpha\beta$ -Di[Benzoylamido]- $\alpha\beta$ -Di[Phenylamido]bernsteinsäure. Sm. 221 bis 222°. Ca (B. 26, 2322; A. 287, 77). — II, 1192.
- C<sub>30</sub>H<sub>36</sub>O<sub>4</sub>N<sub>4</sub>J<sub>3</sub>** 1) Katechinazobenzol (M. 2, 552). — III, 687.
- C<sub>30</sub>H<sub>36</sub>N<sub>2</sub>J<sub>3</sub>** 1) Tri[Jodmethylat] d. 2-[4-Chinolyl]-3-[2-Chinolyl]chinolin + 2H<sub>2</sub>O. Sm. 201° u. Zers. (M. 17, 417). — IV, 1220.
- C<sub>30</sub>H<sub>37</sub>O<sub>2</sub>N** C 83,2 — H 6,2 — O 7,4 — N 3,2 — M. G. 433.  
1) Di[ $\beta$ -Benzoyl- $\alpha$ -Phenyläthyl]amin (Dibenzalacetophenonamin). Sm. 163° u. Zers. (B. 31, 349).
- C<sub>30</sub>H<sub>37</sub>O<sub>2</sub>N<sub>6</sub>** 1) Oxytriniketon? (4HCl, 2PtCl<sub>4</sub> + 8H<sub>2</sub>O) (J. 1863, 1338). — IV, 857.

- C<sub>20</sub>H<sub>22</sub>O<sub>3</sub>N<sub>2</sub>** C 75,3 — H 5,7 — O 10,0 — N 8,8 — M. G. 477.  
 1) **1,3,5-Tri[Phenyltriacetylamido]benzol.** Sm. 172—173° (G. 20, 340). — IV, 1125.
- C<sub>20</sub>H<sub>22</sub>O<sub>3</sub>N<sub>2</sub>** C 51,6 — H 3,9 — O 34,4 — N 10,0 — M. G. 697.  
 1) **Verbindung** (aus Furfurinsulfat). Sm. 94—95°. (2HCl, PtCl<sub>4</sub>) (B. 10, 1189). — III, 723.
- C<sub>20</sub>H<sub>22</sub>O<sub>3</sub>N<sub>2</sub>** C 80,4 — H 6,2 — O 7,1 — N 6,2 — M. G. 448.  
 1) **β-*D*[Phenylbenzoylamido]butan.** Sm. 243—244° (B. 25, 3281). — II, 1170.  
 2) **αβ-Di[Phenylbenzoylmethylamido]ethan** (Diphenylacetylthiendalephenyl-diamin). Sm. 170—172,5° (G. 21 [2] 500). — III, 126.  
 3) **7-Aethyläther d. 1,7-Dioxy-6-Methyl-2,3-Diphenyl-1-[2-Methyl-phenyl]-1,1-Dihydro-1,4-Benzodiazin.** Sm. 153° (A. 287, 191). — III, 285.  
 4) **7-Aethyläther d. 1,7-Dioxy-6-Methyl-2,3-Diphenyl-1-[3-Methyl-phenyl]-1,1-Dihydro-1,4-Benzodiazin.** Sm. 137,5—140° (A. 287, 197). — III, 285.  
 5) **7-Aethyläther d. 1,7-Dioxy-5-Methyl-2,3-Diphenyl-1-[4-Methyl-phenyl]-1,1-Dihydro-1,4-Benzodiazin?** Sm. 178—179° (A. 287, 210). — III, 285.  
 6) **7-Aethyläther d. 1,7-Dioxy-6-Methyl-2,3-Diphenyl-1-[4-Methyl-phenyl]-1,1-Dihydro-1,4-Benzodiazin.** Sm. 146—149° (A. 287, 202).  
 7) **Tetra benzylidamid d. Oxalsäure.** Sm. 127—128° (B. 25, 1825). — II, 530.  
 8) **Tetra[4-Methylphenyl]diamid d. Oxalsäure.** Sm. 100—101,5° (B. 25, 1826). — II, 501.  
 9) **Di[αβ-Diphenylthiylamid] d. Oxalsäure.** Sm. 212° (G. 23 [2] 220). — II, 636.  
 10) **Base (aus Benzoyl-R-Trimethylen).** 2HCl, (2HCl, PtCl<sub>4</sub>) (Soc. 47, 846). — III, 163.
- C<sub>20</sub>H<sub>22</sub>O<sub>3</sub>N<sub>4</sub>** C 75,6 — H 5,9 — O 6,7 — N 11,8 — M. G. 476.  
 1) **2,2'-Di[Benzoylamido]-3,5,3',5'-Tetramethylazobenzol.** Zers. bei 280—290° (Am. 17, 450). — IV, 1387.  
 2) **Di[Phenylhydrazid] d. α-Truxillsäure.** Sm. 320° (B. 27, 1411). — IV, 712.  
 3) **Di[Phenylhydrazid] d. γ-Truxillsäure.** Sm. 305° (B. 27, 1412). — IV, 722.
- C<sub>20</sub>H<sub>22</sub>O<sub>3</sub>N<sub>2</sub>** C 77,6 — H 6,0 — O 10,3 — N 6,0 — M. G. 464.  
 1) **5-Aethyläther d. 4,4'-Di[2-Oxybenzylidenamido]-5-Oxy-2,2'-Di-methylbiphenylP.** Sm. 127° (B. 27, 2705). — III, 75.  
 2) **5-Aethyläther d. 9-Di[2-Oxybenzylidenamido]-5-Oxy-2,4'-Dimethyl-biphenylP.** Sm. 106° (B. 27, 2713). — III, 75.  
 3) **Aethyläther d. 6,4'-Di[4-Methoxylbenzylidenamido]-3-Oxybiphenyl.** Sm. 124° (A. 303, 349).
- C<sub>20</sub>H<sub>22</sub>O<sub>3</sub>N<sub>4</sub>** C 73,2 — H 5,7 — O 9,7 — N 11,4 — M. G. 492.  
 1) **Bisphenylhydrazon d. Mekoninmethylphenylketon.** Sm. 187° u. Zers. (M. 13, 669). — II, 2022.  
 2) **Di[Phenylamid] d. α-Phenylamido-β-Phenylacetylamidobernsteinsäure.** Sm. 252° (B. 24, 2962). — II, 438.
- C<sub>20</sub>H<sub>22</sub>O<sub>3</sub>N<sub>6</sub>** C 69,2 — H 5,4 — O 9,2 — N 16,1 — M. G. 520.  
 1) **Verbindung** (aus 4-α-Brompropionylamidoazobenzol). Sm. 227—228° (B. 31, 2851).
- C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>N<sub>2</sub>** C 75,0 — H 5,8 — O 13,3 — N 5,8 — M. G. 480.  
 1) **Verbindung** (aus Isohydrobenzoin). Sm. 163° (B. 24, 1779). — II, 1102.  
 2) **Verbindung** (aus αβ-Dioxy-αβ-Diphenyläthan). Sm. 233—234° (B. 24, 1779). — II, 1101.
- C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>N<sub>6</sub>** C 67,2 — H 5,2 — O 11,9 — N 15,7 — M. G. 536.  
 1) **Diäthylester d. Benzol-1,3-Di[β-Phenylhydrazone-α-Cyanpropion-säure].** Sm. 260—261° (B. [3] 11, 1098). — IV, 725.  
 2) **Diäthylester d. Benzol-1,4-Di[β-Phenylhydrazone-α-Cyanpropion-säure].** Sm. 267—268° (B. [3] 11, 927). — IV, 725.
- C<sub>20</sub>H<sub>22</sub>O<sub>4</sub>N<sub>6</sub>** C 63,8 — H 5,0 — O 11,3 — N 19,8 — M. G. 564.  
 1) **Tetra[Phenylhydrazid] d. Aethentetracarbonsäure.** Zers. bei 225° (B. 26, 2357). — IV, 731.

- $C_{30}H_{28}O_5N_4$  C 68,7 — H 5,3 — O 15,3 — N 10,7 — M. G. 524.  
 1) Verbindung (aus  $\alpha$ -Ursinsäure) +  $3H_2O$ . Sm. 229° (wasserfrei) (A. 284, 164). — IV, 727.
- $C_{30}H_{28}O_5N_2$  C 59,2 — H 4,6 — O 31,6 — N 4,6 — M. G. 608.  
 1) Verbindung (aus Hemipinsäure u. Amidoethylpiperonylcabsonsäure-anhydrid) +  $H_2O$ . Sm. 187—189° (Soc. 57, 1101). — II, 1995.
- $C_{30}H_{28}N_4S_4$  1) Dithiotetra-[3-Methylphenyl]dithioharnstoff. Sm. 228—231° (B. 20, 672). — II, 821.
- $C_{30}H_{28}O_5N_5$  C 71,0 — H 5,7 — O 9,5 — N 13,8 — M. G. 507.  
 1) Phenylamid d. Di[3-Keto-1,5-Dimethyl-2-Phenyl-2,3-Dihydropyrazolyl-4]-essigsäure. Sm. 237° (A. 255, 245). — IV, 1266.
- $C_{30}H_{28}O_6N_4$  C 64,9 — H 5,2 — O 17,3 — N 12,6 — M. G. 555.  
 1) Verbindung (aus 3-Cyanamidobenzol-1-Cabsonsäure) (B. 15, 2121). — II, 1270.
- $C_{30}H_{28}O_5N_1$  C 58,9 — H 4,7 — O 34,0 — N 2,3 — M. G. 611.  
 1) Teropiammon (A. 86, 187). — III, 916.
- $C_{30}H_{28}N_2Cl$  1) Aethylchlorid d. Benzylamarin. Sm. 125°.  $2 + PtCl_4 + 3H_2O$  (B. 18, 1854). — III, 24.
- $C_{30}H_{28}N_1J$  1) Aethyljodid d. Benzylamarin. Sm. 182° (B. 18, 1854). — III, 24.
- $C_{30}H_{28}ON_4$  C 77,9 — H 6,5 — O 3,5 — N 12,1 — M. G. 462.  
 1)  $\alpha$ -(2-Benzoylamidophenyl)imidodi[4-Dimethylamidophenyl]methan. Sm. 236—237° (J. pr. [2] 50, 426). — IV, 1173.  
 2)  $\alpha$ -(4-Benzoylamidophenyl)imidodi[4-Dimethylamidophenyl]methan. Sm. 117° (J. pr. [2] 50, 415). — IV, 1174.
- $C_{30}H_{28}O_5N_2$  C 77,3 — H 6,4 — O 10,3 — N 6,0 — M. G. 466.  
 1) Piperidylrhodamin.  $2HCl$ ,  $(2HCl, PtCl_4)$  (B. 23, 1387). — IV, 17.
- $C_{30}H_{28}O_5N_6$  C 68,9 — H 5,7 — O 9,2 — N 16,1 — M. G. 422.  
 1) trimolec. P-Nitroso-2-Methyl- $\beta$ -Dihydrochinolin (C. 1896 [1] 1127).
- $C_{30}H_{28}O_4N_2$  C 34,7 — H 6,2 — O 13,3 — N 5,8 — M. G. 482.  
 1) Verbindung (aus Dimethylamidobenzol u. 2-Oxybenzol-1-Cabsonsäure-chlorid).  $HCl + 2H_2O$ ,  $(2HCl, PtCl_4)$ , Acetat (B. 10, 955). — II, 1500.
- $C_{30}H_{28}O_4N_5$  C 63,6 — H 5,3 — O 11,3 — N 19,8 — M. G. 566.  
 1) Tetra[Phenylhydrasid] d. Aethan- $\alpha\alpha\beta\beta$ -Tetracabsonsäure. Zers. bei 255° (260°) (B. 26, 2357; 29, 1290).
- $C_{30}H_{28}O_5N_2$  C 60,6 — H 5,0 — O 29,6 — N 4,7 — M. G. 594.  
 1) Düngersäure (J. 1857, 631). — II, 2109.
- $C_{30}H_{28}N_6S_2$  1) Dithiotetra[3-Methylphenyl]di guanidin. Sm. 194—196° u. Zers. ( $2HCl, PtCl_4$ ) (B. 20, 673). — II, 821.
- $C_{30}H_{31}ON_5$  C 80,2 — H 6,9 — O 3,6 — N 9,3 — M. G. 449.  
 1) 2'-Benzoylamido-4',4'-Di[Dimethylamido]triphenylmethan. Sm. 128° (B. 22, 1887). — IV, 1194.
- $C_{30}H_{31}O_5N_2$  C 70,2 — H 6,0 — O 15,6 — N 8,2 — M. G. 513.  
 1) Verbindung (aus Caramel u. Amidobenzol).  $(2HCl, PtCl_4)$  (B. 4, 909). — II, 448.
- $C_{30}H_{31}N_5S$  1) Phenylsenföl-2-Amidophenyl lauramin. Sm. 166—167° (J. pr. [2] 50, 428). — IV, 1174.  
 2) Phenylsenföl-4-Amidophenyl lauramin. Sm. 124—127° (J. pr. [2] 50, 420). — IV, 1174.
- $C_{30}H_{31}O_8N_2$  C 76,9 — H 6,8 — O 10,3 — N 6,0 — M. G. 468.  
 1) 2-Naphtylamid d.  $\alpha$ -[ $\alpha$ -Aethoxylbutyryl-2-Naphtyl]amido butter-säure. Sm. 106—110° (B. 25, 2926). — II, 622.  
 2) 2-Naphtylamid d.  $\alpha$ -[ $\alpha$ -Aethoxylisobutyryl-2-Naphtyl]amidoiso-buttersäure. Sm. 156—165° (B. 25, 2930). — II, 622.
- $C_{30}H_{31}O_4N_2$  C 74,4 — H 6,6 — O 13,2 — N 5,8 — M. G. 484.  
 1) Diäthylester d.  $\alpha\beta$ -Di[2-Methyl-5-Phenyl-1-Pyrasolyl]äthan- $\alpha^3\beta^3$ -Dicabsonsäure. Sm. 197° (B. 19, 315%). — IV, 357.
- $C_{30}H_{31}O_4N_4$  C 70,3 — H 6,2 — O 12,5 — N 10,9 — M. G. 512.  
 1) Di[Phenylhydrazon] d. Dicampherylsäure +  $H_2O$ . Zers. bei 237° (Soc. 75, 184).
- $C_{30}H_{31}O_1N_2$  C 55,9 — H 5,0 — O 34,8 — N 4,3 — M. G. 644.  
 1) Verbindung (aus Hemipinsäure u.  $\omega$ -Aminooethylpiperonylcabsonsäure). Sm. 175° u. Zers. (Soc. 57, 1103). — II, 1994.
- $C_{30}H_{31}O_7P$  1) Tri[2-Methoxy-4-Allylphenylester] d. Phosphorsäure (Triugenol-ester d. Phosphorsäure). Fl. (B. 27, 2456). — II, 975.

- C<sub>16</sub>H<sub>11</sub>O<sub>7</sub>P** 2) Tri[2-Methoxyl-4-Propenylphenylester] d. Phosphorsäure (Triisoeugenolester d. Phosphorsäure). Fl. (B. 27, 2456).  
**C<sub>29</sub>H<sub>34</sub>O<sub>8</sub>N<sub>4</sub>** C 72,3 — H 6,8 — O 9,6 — N 11,2 — M. G. 498.  
 1) Verbindung (aus Benzidin u. Acetessigsäureäthylester). Sm. 128° (M. 19, 692).
- C<sub>29</sub>H<sub>34</sub>O<sub>10</sub>Br<sub>7</sub>l** Dibromcoriamyrtin (Z. 1866, 664). — III, 579.  
**C<sub>29</sub>H<sub>34</sub>O<sub>4</sub>N<sub>2</sub>** C 73,8 — H 7,4 — O 13,1 — N 5,7 — M. G. 488.  
 1) Eugenolchinin (A. 135, 329). — III, 813.  
 2) P-Diisoamyl-1,4-Phenylenester d. Phenylamidoameisensäure. Sm. 248° (B. 25, 2652). — II, 972.
- C<sub>29</sub>H<sub>34</sub>O<sub>6</sub>S<sub>3</sub>** 1) Tri[2-Methylbenzyl]trimethyltrithiomethylenetrifluoride. Sm. 206° (B. 27, 1677). — III, 150.
- C<sub>29</sub>H<sub>36</sub>O<sub>10</sub>N<sub>2</sub>** C 61,6 — H 6,2 — O 27,4 — N 4,8 — M. G. 584.  
 1) Hydroxylaminlderivat d. Quassinin. Sm. 228—230° u. Zers. (G. 17, 575). — III, 647.
- C<sub>29</sub>H<sub>36</sub>O<sub>8</sub>N<sub>2</sub>** C 76,0 — H 8,0 — O 10,1 — N 5,9 — M. G. 474.  
 1) Verbindung (aus 6-Nitrothymol u. Chloranil) (B. 19, 2317). — II, 773.
- C<sub>29</sub>H<sub>36</sub>O<sub>4</sub>N<sub>11</sub>** C 26,7 — H 2,8 — O 58,1 — N 12,4 — M. G. 1350.  
 1) Pyrokolloid (C. 1897 [2] 451).
- C<sub>29</sub>H<sub>36</sub>O<sub>4</sub>P** 1) Tri[4-tert. Butylphenylester] d. Phosphorsäure. Fl. (B. 18, 1700). — II, 765.  
 2) Tri[2-Methyl-5-Isopropylphenylester] d. Phosphorsäure. Sm. 75° (71,5—72°) (B. 15, 818; 18, 1704). — II, 767.  
 3) Tri[3-Methyl-6-Isopropylphenylester] d. Phosphorsäure. Sm. 59° (Z. 1869, 44). — II, 770.
- C<sub>29</sub>H<sub>36</sub>O<sub>5</sub>Br<sub>7</sub>** 1) Verbindung (aus Laserpitin) (J. 1883, 1361). — III, 635.
- C<sub>29</sub>H<sub>36</sub>O<sub>5</sub>Cl** 1) Cyaninchlorid. HCl, (HCl·PtCl<sub>4</sub>) (J. 1862, 351). — IV, 315.
- C<sub>29</sub>H<sub>36</sub>N<sub>2</sub>J** 1) Cyanin. HJ (J. 1862, 331; Z. 1865, 733; R. 4, 61). — IV, 315.
- C<sub>29</sub>H<sub>40</sub>O<sub>5</sub>N<sub>2</sub>** C 70,8 — H 7,9 — O 15,7 — N 5,5 — M. G. 508.  
 1) Emetin (B. 20 [2] 574; 27 [2] 885).
- C<sub>29</sub>H<sub>40</sub>O<sub>15</sub>N<sub>9</sub>** C 46,9 — H 5,3 — O 31,3 — N 16,4 — M. G. 767.  
 1) Oxyfleischsäure. Ba, Zn, Ag<sub>2</sub> + 2H<sub>2</sub>O (H. 22, 256). — IV, 1640.
- C<sub>29</sub>H<sub>40</sub>O<sub>2</sub>N<sub>2</sub>** C 77,6 — H 9,5 — O 6,9 — N 6,0 — M. G. 464.  
 1)  $\alpha$ -Palmityl- $\beta$ -Phenyl- $\beta$ -Phenylthioharnstoff. Sm. 68—69° (Soc. 69, 1598).
- C<sub>29</sub>H<sub>40</sub>O<sub>4</sub>N<sub>2</sub>** C 72,6 — H 8,9 — O 12,9 — N 5,8 — M. G. 496.  
 1) Emetin (oder C<sub>29</sub>H<sub>40</sub>O<sub>5</sub>N<sub>2</sub>; oder C<sub>29</sub>H<sub>40</sub>O<sub>6</sub>N<sub>2</sub>). Sm. 68° (62—65%). 2HCl, 2HNO<sub>3</sub> (A. ch. [2] 4, 172; [5] 8, 233; [5] 12, 277; Z. 1869, 414; J. 1887, 2213; Fr. 19, 481; 32, 262, 263; C. 1898 [2] 894). — III, 881.
- C<sub>29</sub>H<sub>40</sub>O<sub>4</sub>Br<sub>4</sub>** 1) Diacetat d. Tetrabromonocotol. Sm. 140—145° u. Zers. (B. 29, 2987).
- C<sub>29</sub>H<sub>40</sub>O<sub>15</sub>N<sub>9</sub>** 1) Cornein (B. 17, 1843; J. Th. 1881, 357). — IV, 1628.
- C<sub>29</sub>H<sub>40</sub>O<sub>6</sub>N<sub>2</sub>** C 60,9 — H 7,6 — O 24,4 — N 7,1 — M. G. 591.  
 1) Tricamphontrophenol + 3H<sub>2</sub>O. Sm. 75° (98% wasserfrei). Ba + 3H<sub>2</sub>O (Bl. [3] I, 244, 422). — III, 494.
- C<sub>29</sub>H<sub>40</sub>O<sub>10</sub>N<sub>2</sub>** C 60,6 — H 7,7 — O 26,9 — N 4,7 — M. G. 594.  
 1) Säure (aus Camphersäureanhydrid). Na<sub>2</sub>, Pb<sub>2</sub> (G. 24 [2] 337).
- C<sub>29</sub>H<sub>40</sub>N<sub>2</sub>S<sub>2</sub>** 1) 4,4'-Biphenyldi[uns-Diisobutylthioharnstoff]. Sm. 185° (B. 27, 1560). — IV, 965.
- C<sub>29</sub>H<sub>41</sub>O<sub>7</sub>Br** 1) Bromechicerin. Sm. 116° (A. 178, 63). — III, 629.
- C<sub>29</sub>H<sub>40</sub>O<sub>3</sub>N<sub>2</sub>** C 74,4 — H 9,9 — O 9,9 — N 5,8 — M. G. 484.  
 1) Chlorophyll (aus Raygra) (C. 1895 [1] 656).
- C<sub>29</sub>H<sub>40</sub>ON** C 82,0 — H 11,2 — O 3,6 — N 3,2 — M. G. 439.  
 1) Oxim d.  $\alpha$ -Amyrin. Sm. 233—234° u. Zers. (B. 24, 3837). — III, 557.  
 2) Oxim d.  $\beta$ -Amyrin. Sm. 262—263° u. Zers. (B. 24, 3838). — III, 557.
- C<sub>29</sub>H<sub>40</sub>OBr** 1) Brom- $\alpha$ -Amyrin. Sm. 177—178° (B. 23, 3189; A. 192, 180). — III, 557.  
 2) Brom- $\beta$ -Amyrin. Sm. 182—186° (B. 23, 3190). — III, 557.
- C<sub>29</sub>H<sub>40</sub>O<sub>3</sub>N** C 47,4 — H 6,4 — O 44,3 — N 1,8 — M. G. 759.  
 1) Verbindung (aus Milchzucker u. Amidobenzol) (B. 4, 835). — II, 448.
- C<sub>29</sub>H<sub>39</sub>O<sub>6</sub>Br<sub>7</sub>** 1) Bromid d. Cholesterinpropionat. Sm. 110° (H. 15, 39). — II, 1073.
- C<sub>29</sub>H<sub>39</sub>O<sub>5</sub>N** 1) Verbindung (aus Cardol). Sm. 105° (C. 1898 [1] 112).
- C<sub>29</sub>H<sub>39</sub>O<sub>5</sub>S<sub>2</sub>** 1) Atractylsäure. K<sub>2</sub> (Z. 1869, 94). — II, 2109.
- C<sub>29</sub>H<sub>39</sub>O<sub>6</sub>N<sub>17</sub>** 1) Clupein (Salmin), siehe auch C<sub>16</sub>H<sub>34</sub>O<sub>5</sub>N<sub>17</sub> · 2H<sub>2</sub>SO<sub>4</sub>, (C. 1898 [1] 1061; H. 25, 167, 169).

- $C_{30}H_{50}O_6O_2Br$ , 1) Dibrommelissinsäure. Sm. 47° (C. 1896 [1] 642).  
 $C_{30}H_{50}O_3Cl$ , 1) Chlorid d. Melissinsäure. Sm. 60° (C. 1896 [1] 642).  
 $C_{30}H_{50}O_2Br$ , 1)  $\alpha$ -Brommelissinsäure. Sm. 79,5° (C. 1896 [1] 642; Bl. [3] 15, 573).  
 $C_{30}H_{50}O_6N_1$ , 1) Scombrin.  $2H_2SO_4$ ,  $2H_2CrO_4$  (H. 26, 526).  
 $C_{30}H_{50}ON$ , 1) Amid d. Melissinsäure. Sm. 116° (C. 1896 [1] 642).  
 $C_{30}H_{50}O_2N$ , 1) C 77,1 — H 13,1 — O 6,8 — N 3,0 — M. G. 467.  
 $C_{30}H_{50}O_2N$ , 1)  $\alpha$ -Amidomelissinsäure. Sm. 205° u. Zers. (C. 1896 [1] 642).  
 $C_{30}H_{50}OPb$ , 1) Bleitriisoamylxyd (J. 1860, 383). — I, 1530.  
 $C_{30}H_{50}OSn$ , 1) Zinntriisoamylxyd (A. 92, 393). — I, 1529.

### $C_{30}$ -Gruppe mit vier Elementen.

- $C_{30}H_{17}OBr_2S$ , 1) Tribromderivat d. 1,1-Dinaphyläther d. 1-Merkapto- $\beta$ -Oxynaphthalin. Sm. 182° (J. pr. [2] 38, 141). — II, 871.  
 $C_{30}H_{18}O_2Cl_2P$ , 1) Tri[1-Chlor-2-Naphylester] d. Phosphorsäure. Sm. 152° (B. 21, 896; 30, 2379). — II, 878.  
 $C_{30}H_{20}O_4N_2S$ , 1) 4,4'-Di[Phtalylamido]benzylsulfid. Sm. 225° (B. 28, 1339). — II, 1809.  
 $C_{30}H_{20}O_4N_2S_2$ , 1) Dibenzoot d. Di[2-Oxybenzyliden]dithioxamid. Sm. 156° (B. 24, 1028). — III, 74.  
 $C_{30}H_{22}ON_4Cl$ , 1) 7-Chlorphenylat d. 5-[4-Acetylaminophenyl]amido- $\alpha$ -Naphthophenazin (B. 31, 2431).  
 $C_{30}H_{24}ON_2P$ , 1) 1-Naphylamid d. Orthophosphorsäure. Sm. 216° (B. 26, 573). — II, 605.  
 2) 2-Naphylamid d. Orthophosphorsäure. Sm. 170° (B. 26, 573). — II, 615.  
 $C_{30}H_{24}O_2N_2S_2$ , 1) Succinylidbenzoylamid d. Benzolsulfonsäure. Sm. 146° (J. 1856, 507). — II, 1174.  
 $C_{30}H_{24}O_6N_2S_4$ , 1) 1,2-Di[Dithiolsulfonamido]benzol (Tetrabenzolsulfon-o-Phenylen-diamin). Sm. 150—151° (A. 287, 224). — IV, 561.  
 $C_{30}H_{27}ON_2J$ , 1) Jodäthylat d. Benzoylamin. Sm. 354° (B. 18, 3085). — III, 25.  
 $C_{30}H_{29}O_2N_2S$ , 1) Dithio[3-Methylphenyl]harnstoff (B. 20, 671). — II, 821.  
 $C_{30}H_{29}O_5N_2P_2$ , 1) Verbindung (aus Oxyphosphazobenzolanilid). Sm. 240° (B. 29, 719).  
 $C_{30}H_{30}O_2N_2Br$ , 1)  $\alpha\beta$ -Di[ $\alpha$ -Brombutyryl-1-Naphylamido]äthan. Sm. 232—234° (B. 25, 3266). — II, 607.  
 2)  $\alpha\beta$ -Di[ $\alpha$ -Brombutyryl-2-Naphylamido]äthan. Sm. 180° (B. 25, 3270). — II, 617.  
 3)  $\alpha\beta$ -Di[ $\alpha$ -Bromisobutyryl-1-Naphylamido]äthan. Sm. 194° (B. 25, 3266). — II, 607.  
 4)  $\alpha\beta$ -Di[ $\alpha$ -Bromisobutyryl-2-Naphylamido]äthan. Sm. 201° (B. 31, 3247).  
 $C_{30}H_{30}O_4N_2Hg_2$ , 1) Diacetat d. Diquecksilberbenzylylanilin. Sm. 143,5—144° (G. 27 [1] 15). — IV, 1708.  
 2) Diacetat d. Quecksilberammoniumbase  $C_{24}H_{26}O_4N_2Hg_2$ . Sm. 128° (G. 28 [2] 133). — IV, 1707.  
 $C_{30}H_{30}O_4N_2S_2$ , 1) Tetramethyläther d. 1,4,1',4'-Tetraoxybiphenyl[Phenylthio-harnstoff]. Sm. 184° (B. 17, 2128). — II, 1037.  
 $C_{30}H_{30}O_4N_2S_3$ , 1) Hexanitrotri[2-Methylbenzyl]trimethyltrimethylentrifuson. Sm. 191° u. Zers. (B. 27, 1677). — III, 150.  
 $C_{30}H_{33}O_5N_2J$ , 1) Jodäthylat d. Benzylhydrastimid. Sm. 232° (B. 26, 2490). — II, 2054.  
 $C_{30}H_{33}O_5N_2S_2$ , 1)  $\beta$ -Trithio-3-Nitrocuminaldehyd. Sm. 118° (B. 29, 156). — III, 56.  
 $C_{30}H_{34}O_5N_2Fe$ , 1) Hämatin (siehe auch  $C_{29}H_{34}O_5N_2Fe$ ) (B. 20 [2] 239; C. 1897 [2] 1153). — IV, 1618.  
 $C_{30}H_{34}O_5Cl_2Br_2$ , 1) Hexääthyläther d. Trichlorxanthogallol. Sm. 75° (A. 245, 338). — II, 1014.  
 $C_{30}H_{35}O_4N_2Cl_2$ , 1) Verbindung (aus 2-Chlor-2-Amido-3-Oxy-4-Isopropyl-1-Methylbenzol u. Chloranil) (B. 19, 2317). — II, 774.  
 $C_{30}H_{36}O_4Br_2P$ , 1) Tri[4-Brom-3-Methyl-6-Isopropylphenylester] d. Phosphorsäure. Sm. 94—95° (J. 23 [2] 70). — II, 772.

- C<sub>30</sub>H<sub>36</sub>O<sub>7</sub>N<sub>2</sub>P**
- 1) Phenylamid d. Phosphorsäuretri[ $\alpha$ -Oxyisobuttersäure]. Sm. 158 bis 159° (A. 279, 114).
  - 2) 2-Methylphenylamid d. Phosphorsäuretri[ $\alpha$ -Oxypropionsäure]. Sm. 177° (A. 279, 87).
  - 3) 4-Methylphenylamid d. Phosphorsäuretri[ $\alpha$ -Oxypropionsäure]. Sm. 156° (A. 279, 91).
- C<sub>30</sub>H<sub>42</sub>O<sub>10</sub>N<sub>2</sub>P**
- 1) Phosphat d. Camphonitrosophenol (B. [3] 1, 469). — III, 494.
- C<sub>30</sub>H<sub>42</sub>O<sub>11</sub>N<sub>2</sub>S<sub>2</sub>**
- 1) Sinalbin + 5H<sub>2</sub>O. Sm. 83—84° (138,5—140° wasserfrei). Hg (C. 1896 [2] 922; 1897 [1] 821; A. 199, 150; B. 30, 232). — III, 611.
- C<sub>30</sub>H<sub>42</sub>O<sub>11</sub>N<sub>2</sub>Cl<sub>2</sub>**
- 1) Verbindung (aus Nitrocampher). Sm. 110° (G. 11, 26). — III, 494.
- C<sub>30</sub>H<sub>42</sub>O<sub>11</sub>N<sub>2</sub>Br<sub>2</sub>**
- 1) Verbindung (aus Nitrocampher). Sm. 94—95° (G. 11, 22; C. 1897 [2] 551). — III, 494.
- C<sub>30</sub>H<sub>44</sub>ON<sub>2</sub>S**
- 1)  $\alpha$ -Palmitylimido- $\alpha$ -Phenylbenzylamido- $\alpha$ -Merkaptomethan (Palmitylpseudoephylbenzylthioharnstoff). Sm. 62—63° (Soc. 69, 1598).

### C<sub>31</sub>-Gruppe mit einem Element.

- C<sub>31</sub>H<sub>44</sub>**
- C 85,3 — H 14,7 — M. G. 436.  
 1) norm. Hentriakontan. Sm. 68,1°; Sd. 302<sub>15</sub> (199°) (B. 15, 1714; 29, 1323; A. 235, 117; C. 1897 [1] 338). — I, 107.

### C<sub>31</sub>-Gruppe mit zwei Elementen.

- C<sub>31</sub>H<sub>36</sub>O<sub>6</sub>**
- 1) Tribenzozat d. isom. Trioxibenzol (Tr. d.  $\beta$ -Hydrojuglon). Sm. 228 bis 229° (B. 18, 2570). — II, 1027.
- C<sub>31</sub>H<sub>32</sub>O**
- 1) C 90,7 — H 5,4 — O 3,9 — M. G. 410.
- C<sub>31</sub>H<sub>32</sub>O<sub>5</sub>**
- 1)  $\alpha$ -Oxytri[ $\beta$ -Naphthyl]methan. Sm. 278° (B. 16, 1275). — II, 1096.
  - 2) C 78,5 — H 4,6 — O 16,9 — M. G. 474.
- C<sub>31</sub>H<sub>32</sub>O<sub>4</sub>**
- 1) Acetondiphenanthrenchinon. Sm. 190° u. Zers. (B. 17, 2829). — III, 448.
- C<sub>31</sub>H<sub>32</sub>N<sub>4</sub>**
- 1) C 76,2 — H 4,1 — O 19,7 — M. G. 488.
  - 2) Benzylidenamidodiphenylindulin. Sm. 261—262° (A. 286, 201).
- C<sub>31</sub>H<sub>32</sub>N<sub>3</sub>**
- 1) C 85,1 — H 5,3 — N 9,6 — M. G. 437.
  - 2) 1,1,1-Trinaphtylguanidin. Sm. 178° (B. 21, 969). — II, 605.
- C<sub>31</sub>H<sub>32</sub>O<sub>4</sub>**
- 1) Anhydroacetondibenzil. Sm. 158—160° (194—195°). + C<sub>2</sub>H<sub>6</sub>O (B. 18, 175, 186; Soc. 71, 297). — III, 300.
- C<sub>31</sub>H<sub>32</sub>N<sub>2</sub>**
- 1) C 87,7 — H 5,7 — N 6,6 — M. G. 424.
  - 2) 2,3-Diphenyl-4-[4-Methylphenyl]-3,4-Dihydro-1,4-Naphthiadiazin. Sm. 173° (B. 25, 2834). — IV, 1090.
- C<sub>31</sub>H<sub>32</sub>N<sub>3</sub>**
- 1) C 84,7 — H 5,7 — N 9,6 — M. G. 439.
  - 2) Trimethylphenylrosindulin (A. 256, 244). — IV, 1210.
- C<sub>31</sub>H<sub>32</sub>N<sub>2</sub>**
- 1) 4',4'-Di[Phenylamido]triphenylmethan. Sm. bei 170° (Soc. 41, 192). — IV, 1043.
- C<sub>31</sub>H<sub>32</sub>N<sub>4</sub>**
- 1) C 82,0 — H 5,7 — N 12,3 — M. G. 454.
  - 2) Methylazophenin. Sm. 230° (A. 256, 166). — III, 342.
- C<sub>31</sub>H<sub>32</sub>N<sub>3</sub>**
- 1) C 84,4 — H 6,1 — N 9,5 — M. G. 441.
  - 2) 1,4-Di[4-Methylphenylimido]-2-Amido-1,4-Dihydronaphthalin. Sm. 147° (A. 256, 246). — IV, 1162.
- C<sub>31</sub>H<sub>32</sub>N<sub>7</sub>**
- 1) C 74,8 — H 5,4 — N 19,7 — M. G. 497.
  - 2) 4-Amidobenzylidendi-4-Amidoazobenzol. Sm. 115° (J. pr. [2] 56, 115). — IV, 1357.
- C<sub>31</sub>H<sub>32</sub>O<sub>4</sub>**
- 1) Dibenzozat d.  $\gamma\gamma$ -Di[4-Oxyphenyl]pentan. Sm. 162,5° (J. r. 23, 501). — II, 1151.
  - 2) Verbindung (aus Benzil). Sm. 147—148° (Soc. 49, 832). — III, 283.

- $C_{11}H_{18}O_4$ : 1)  $C=O = H \cdot O = O \cdot 241 = M \cdot G.$ , 1.8.  
Dianhydester d.  $\gamma\beta$ -Dioenzoyl- $\alpha\beta$ -Diketo- $\omega$ -Phenylpentan- $\omega$ -Dicarboximure (D. + Benzoyl- $\omega$ -Benzoyl- $\omega$ -Benzoyl-trimethylenemide) Sm. 162° (A. 251, 14, — II, 21).  
 $C=O = H \cdot O = N \cdot O = M \cdot G.$ , 441.
- $C_{11}H_{19}N_1$ : 1) 1,2,4-Tri-4-Methylphenoxyamido naphthalin Sm. 115—116° (A. 256, 21°, — IV, 112).
- $C_{11}H_{20}O_2$ : 2)  $\omega$ -2-Methyl-6-Chinolyl- $\omega$ -D. 2-Methyl-L 2-Dihydro-6-Chinolyl-methan =  $H_2O$  Sm. 24, 17°, — IV, 121.
- $C_{11}H_{21}O_2$ :  $C=O = H \cdot O = O \cdot 14 = M \cdot G.$ , 44.
- $C_{11}H_{22}O_4$ : 1) Dibenzylthymolester d. Benzolicarbonsäure Sm. 75—80° (G. 11, 4.4, — II, 116).
- $C_{11}H_{23}O_4$ :  $C=O = H \cdot O = O \cdot 24 = M \cdot G.$ , 42.
- $C_{11}H_{24}N_1$ : 1) Pentacetal d. Rubatindiglykoid Sm. 21° Sm. 63, 17°, — III, 60.
- $C=O = H \cdot O = N \cdot O = M \cdot G.$ , 44.
- $C_{11}H_{25}N_1$ :  $\omega$ -Phenyl- $\omega$ -D. 1-Dimethylamido- $\omega$ -Naphthyl-methan Sm. 188—190° (B. 21, 31°, — IV, 114).
- $C_{11}H_{26}O_4$ :  $C=O = H \cdot O = O \cdot 24 = M \cdot G.$ , 42.
- $C_{11}H_{27}O_4$ : Octaketat d. Leukodrin Sm. 188—190° (A. 1896 [1], 50).
- $C=O = H \cdot O = O \cdot 37.2 = M \cdot G.$ , 44.
- $C_{11}H_{28}O_4$ : Pentacyclophloridin =  $H_2O$  (A. 156, 4, — III, 60).
- $C=O = H \cdot O = N \cdot O = M \cdot G.$ , 44.
- $C_{11}H_{29}N_1$ :  $\omega$ -Phenyl- $\omega$ -D. 1,2,4-Trimethyl-2-Dihydrochinolyl-2-methan (Benzyl- $\omega$ -dimethylbenzoyldienonolin) Sm. 142—144° (B. 24 [2], 194, — IV, 122).
- $C_{11}H_{30}O_4$ :  $C=O = H \cdot O = O \cdot 15.6 = M \cdot G.$ , 472.
- $C_{11}H_{31}O_4$ : Diacetat d. Phenylidithiomolmethan Sm. 125—127° (B. 22, 1849, — II, 114).
- $C_{11}H_{32}N_1$ :  $C=O = H \cdot O = N \cdot O = M \cdot G.$ , 471.
- $C_{11}H_{33}O_4$ : Tri 2-Methyl-L 2,3,4-Tetrahydro-6-Chinolyl-methan (B. 34, 1719, — IV, 124).
- $C=O = H \cdot O = O \cdot 24.9 = M \cdot G.$ , 37.
- $C_{11}H_{34}O_4$ : Koen. siehe auch  $C_{11}H_{35}O_4$  Sm. 142° (J. 1859, 505, Sm. 1862, 513, 1874, 401; C. 1897, 1, 15, — III, 60).
- $C=O = H \cdot O = O \cdot 24.7 = M \cdot G.$ , 34.
- $C_{11}H_{35}O_4$ : Tetraathyester d.  $\omega$ -Diphenylheptan- $\omega$ -Tetracarbonsäure Sm. 17—17° (Sm. 50, 54).
- $C=O = H \cdot O = N \cdot O = M \cdot G.$ , 475.
- $C_{11}H_{36}N_1$ : Tri 4-Isobutylphenylguanidin Sm. 143—144° (2HCl.PtCl.) (B. 17, 124, 1, — II, 55).
- $C=O = H \cdot O = O \cdot 34 = M \cdot G.$ , 477.
- $C_{11}H_{37}O_4$ : Tri 4-Dimethylamido-2,6-Dimethylphenyl-methan Sm. 134—145° (B. 24, 5, — IV, 114).
- $C=O = H \cdot O = O \cdot 15.2 = M \cdot G.$ , 484.
- $C_{11}H_{38}O_4$ : Brenzchinoväsäure Sm. 21° Sm. überb. 36°, K, Ba (B. 16, 926, 17, 52), — II, 1150.
- $C=O = H \cdot O = O \cdot 23.4 = M \cdot G.$ , 348.
- $C_{11}H_{39}O_4$ : Triacyclicholsäure (J. r. 19, 14; B. 19, 203), — I, 753.
- $C=O = H \cdot O = O \cdot 31.4 = M \cdot G.$ , 512.
- $C_{11}H_{40}O_4$ : Strophanthin oder  $C_{11}H_{39}O_4$  (J. 1877, 745; B. 21, 2, 734; 31, 271, 515; M. 19, 520, — III, 549).
- $C_{11}H_{41}O$ : Harz aus Ixora ceylanica =  $(C_{11}H_{40}O_4)_n$  (M. 12, 102, — III, 555).
- $C_{11}H_{42}O$ :  $C=O = H \cdot O = O \cdot 20.9 = M \cdot G.$ , 524.
- $C_{11}H_{43}O_4$ : Triathyester d. Cholansäure +  $H_2O$  Sm. 75—76° (B. 19, 478), — II, 2017.
- $C_{11}H_{44}O_4$ : Triathyester d. Isocholansäure Sm. 43—50° (B. 19, 1530), — II, 2019.
- $C=O = H \cdot O = O \cdot 27.5 = M \cdot G.$ , 522.
- $C_{11}H_{45}O_4$ : 1) Asebotoxin (Andromedotoxin) Sm. 22° u. Zers. (B. 1, 224, 225, 285; 2, 32; 4, 42; 5, 315), — III, 619.
- 2) Digoxin, oder  $C_{11}H_{45}O_4$  Sm. 145° (J. 1875, 840; B. 29 [2], 699; 31, 2457; C. 1896, 2, 169, — III, 552).
- $C=O = H \cdot O = O \cdot 30.1 = M \cdot G.$ , 526.
- $C_{11}H_{46}O_4$ : 1) Digitonin (J. 1875, 840), — III, 581.

- C<sub>31</sub>H<sub>41</sub>N** C 83,2 — H 13,6 — N 3,1 — M. G. 447.  
 1) **Mycicloyanid.** Sm. 75° (A. 183, 357). — **I.** 1468.
- C<sub>31</sub>H<sub>42</sub>O** C 82,7 — H 13,8 — O 3,5 — M. G. 450.  
 1) **Palmiton.** Sm. 84° (82,8°) (J. 1855, 519; A. 82, 249; 94, 246; B. 15, 1714; Soc. 57, 985; 63, 462). — **I.** 1006.  
 C 79,8 — H 13,3 — O 6,9 — M. G. 466.
- C<sub>31</sub>H<sub>42</sub>O<sub>2</sub>** 1) **Melissinsäure** (siehe auch C<sub>30</sub>H<sub>50</sub>O<sub>3</sub>). Sm. 88,5—89°. Mg, Pb, Cu, Ag (A. 235, 135). — **I.** 449.
- 2) **Methylester d. Melissinsäure.** Sm. 74,5° (C. 1898 [1] 642).
- 3) **Pentadekylester d. Palmitinsäure.** Sm. 57° (M. 14, 85).  
 C 77,2 — H 12,9 — O 9,9 — M. G. 482.
- C<sub>31</sub>H<sub>42</sub>O<sub>3</sub>** 1) **Cocerinsäure.** Sm. 92—93°. Ca, Ba (B. 18, 1980). — **I.** 580.  
 C 82,3 — H 14,1 — O 3,5 — M. G. 452.
- 1) **α-Oxyhentriakontan** (Dipalmitylcarbinol). Sm. 84—85° (Soc. 57, 986). — **I.** 241.
- 2) **Alkohol (aus Bienenwachs).** Sm. 85—85,5° (A. 235, 126; C. 1897 [1] 338).

**C<sub>31</sub>-Gruppe mit drei Elementen.**

- C<sub>31</sub>H<sub>41</sub>O<sub>6</sub>N** C 74,5 — H 3,4 — O 19,2 — N 2,8 — M. G. 499.  
 1) **Dibenzoat d. Dioxyanthrachinolinchinon** (D. d. Alizarinblau). Sm. 244° (A. 201, 342). — **IV.** 462.
- C<sub>31</sub>H<sub>42</sub>ON<sub>4</sub>** C 80,2 — H 4,3 — O 3,4 — N 12,1 — M. G. 464.
- C<sub>31</sub>H<sub>42</sub>O<sub>6</sub>N<sub>4</sub>** 1) **Benzoylphenylfluorindin** (B. 29, 1250). — **IV.** 1300.  
 C 68,4 — H 3,7 — O 17,6 — N 10,3 — M. G. 544.
- 1) **Verbindung** (aus Anthraniliccarbonsäure). Sm. 280° u. Zers. (J. pr. [2] 33, 25). — **II.** 1249.
- C<sub>31</sub>H<sub>42</sub>ON<sub>4</sub>** C 79,8 — H 4,7 — O 3,4 — N 12,0 — M. G. 466.
- C<sub>31</sub>H<sub>42</sub>O<sub>4</sub>N<sub>2</sub>** 1) **2-Oxybenzylidenamidodiphenylindulin** (A. 296, 201).  
 C 76,5 — H 4,5 — O 13,2 — N 5,7 — M. G. 486.
- 1) **Benzoat d. α-Di[<sup>2</sup>-Benzoylamido]-2-Oxynaphthalin.** Sm. 265° (B. 23, 2543). — **II.** 1180.
- C<sub>31</sub>H<sub>42</sub>N<sub>2</sub>S<sub>2</sub>** 1) **1,1'-Benzylidendi[2-Thienylindol].** Sm. 245° u. Zers. (A. 272, 203). — **IV.** 394.
- C<sub>31</sub>H<sub>42</sub>O<sub>3</sub>N<sub>3</sub>** C 76,7 — H 4,7 — O 9,9 — N 8,7 — M. G. 485.
- 1) **1,2,6 oder 1,2,7-Tri[Benzoylamido]naphthalin.** Sm. 277° (B. 23, 2545). — **IV.** 1163.
- C<sub>31</sub>H<sub>42</sub>O<sub>6</sub>N** C 73,7 — H 4,5 — O 19,0 — N 2,8 — M. G. 505.  
 1) **Diacetat d. 3-Nitrophenyldi[2-Oxynaphthalyl]methan.** Sm. 212° (G. 23 [2] 218). — **II.** 1009.
- C<sub>31</sub>H<sub>42</sub>O<sub>5</sub>Br<sub>2</sub>** 1) **Verbindung** (aus Hexabromfichtengerbsäure) (B. 17, 1128). — **III.** 681.
- C<sub>31</sub>H<sub>42</sub>N<sub>2</sub>Cl** 1) **Chlor-4-Methylphenylat d. 2,3-Diphenyl-1,4-Naphtisodiazin.** + FeCl<sub>3</sub>, 2 + PtCl<sub>4</sub> (B. 25, 2836). — **IV.** 1092.
- C<sub>31</sub>H<sub>42</sub>N<sub>2</sub>Br** 1) **Brom-4-Methylphenylat d. 2,3-Diphenyl-1,4-Naphtisodiazin** (B. 25, 2836). — **IV.** 1092.
- C<sub>31</sub>H<sub>42</sub>ON<sub>2</sub>** C 84,6 — H 5,4 — O 3,6 — N 6,4 — M. G. 440.  
 1) **4-[4-Methylphenyl]oxyhydrat d. 2,3-Diphenyl-1,4-Naphtisodiazin.** Sm. 194°. Chlorid + FeCl<sub>3</sub>, 2 Chlorid + PtCl<sub>4</sub>, Nitrat (B. 25, 2835). — **IV.** 1092.
- C<sub>31</sub>H<sub>42</sub>O<sub>5</sub>N<sub>4</sub>** C 76,8 — H 5,0 — O 6,6 — N 11,6 — M. G. 484.  
 1) **Monobenzyläther d. 4,4'-Di[4-Oxyphenylazo]biphenyl** (B. 27, 3360). — **IV.** 1418.
- C<sub>31</sub>H<sub>42</sub>O<sub>6</sub>N<sub>4</sub>** C 62,4 — H 4,0 — O 24,2 — N 9,4 — M. G. 506.  
 1) **Triacetat d. Maclurinazobenzol.** Sm. 240—243° u. Zers. (Soc. 71, 188). — **IV.** 1479.
- C<sub>31</sub>H<sub>42</sub>N<sub>2</sub>Cl** 1) **Verbindung** (d. Saffraningruppe) + H<sub>2</sub>O (B. 27, 2355). — **IV.** 1218.  
 C 78,9 — H 5,3 — O 6,8 — N 9,0 — M. G. 471.
- 1) **α-2-Oxybenzyliden-β-2-[2-Oxybenzyliden]amidobenzyl-β-2-Naphthyl-hydrazin.** Sm. 176° (J. pr. [2] 52, 416). — **IV.** 1130.
- C<sub>31</sub>H<sub>42</sub>O<sub>3</sub>N<sub>3</sub>** C 76,4 — H 5,1 — O 9,9 — N 8,6 — M. G. 487.  
 1) **Verbindung** (aus 4-Oxy-2-Methylchinolin). Sm. 192° (B. 21, 1974). — **IV.** 372.

- $C_{12}H_{12}N_2Cl$ :  $\alpha$ -Chlor-4,4-Di'Phenylamido triphenylmethan. Sm. 41, 1291 — II, 206.
- $C_{12}H_{12}ON_2$ :  $\alpha$ -Oxy-4,4-Di'Phenylamido triphenylmethan. Sm. 41, 1291; A. 217, 241. — II, 206.
- $C_{12}H_{12}ON_3$ : Verbindung aus Phenylacetal u. Kynurensäure. Sm. 192; J. pr. 7, 63, 24. — IV, 1227.
- $C_{12}H_{12}O_2N_2$ :  $C_{12}H_{12}O_2N_2$  — H 1,5 — O 3,4 — N 2,1 — M. G. 104.  
1)  $\alpha$ -Di'Phenylhydrazon  $\alpha$ -Diphenyliso- $\beta$ -Triketohexan. Sm. 1291; B. 28, 1291. — IV, 1477.
- $C_{12}H_{12}O_2N$ :  $C_{12}H_{12}O_2N$  — H 1,2 — O 3,2 — N 2,5 — M. G. 108.  
Dibenzoylmorphin. Sm. 124 — 125; HCl +  $CH_3COCl$ . Sm. 28, 23, 221; 37, 619; B. 13, 96; C. 1899, 1, 106. — III, 500.
- $C_{12}H_{12}O_3N_2$ :  $C_{12}H_{12}O_3N_2$  — H 1,5 — O 1,5 — N 5,5 — M. G. 108.  
1) Verbindung aus Phenylhydrazine u. Acetylmalonyl. Sm. 230 — 240° (B. 15, 77).
- $C_{12}H_{12}N_2J$ : Triiodimethylat d. Tri' $\beta$ -Chinolymethan. Sm. 265 — 267 u. Zera. B. 24, 104. — IV, 1221.
- $C_{12}H_{12}ON_3$ :  $C_{12}H_{12}ON_3$  — H 1,5 — O 3,0 — N 2,1 — M. G. 109.  
1) Phenylhydrazid d. 3,4,5-Tri'Phenylhydrazino'benzol-1-Carbonsäure. Sm. 1-2 u. Zera. B. 13, 15, 74. — IV, 116.
- $C_{12}H_{12}O_2N_2$ :  $C_{12}H_{12}O_2N_2$  — H 1,5 — O 3,2 — N 2,1 — M. G. 102.  
1)  $\epsilon$ -Di 4-Methylphenylbenzoylamido propan. Sm. 151 — 152° (B. 25, 327). — II, 1179.
- $C_{12}H_{12}O_2N_2$ : Dibenzoat d. Di 4-Dimethylamido-2-Oxypheyl'methan. 2HCl. Sm. 72 — 73° (J. pr. 2, 54, 22).
- $C_{12}H_{12}O_3S$ : 1,1,3,5-Tetrabenzyl-R-Trimethylentrisulfon. Sm. 171 — 172° (B. 25, 245). — III, 229.
- $C_{12}H_{12}O_2N$ :  $C_{12}H_{12}O_2N$  — H 1,5 — O 3,0 — N 2,1 — M. G. 109.  
1) Di 2-Naphthyl'amidoformat d. Geraniol (D. d. Rhodinol). Sm. 105 bis 107 (J. pr. 2, 56, 12).
- $C_{12}H_{12}N_2J$ : Jodmethylat d.  $\alpha$ -Naphtylamido- $\alpha$ -Naphtazin (B. 26, 153). — IV, 1216.
- $C_{12}H_{12}O_2N_2$ :  $C_{12}H_{12}O_2N_2$  — H 1,7 — O 9,7 — N 5,5 — M. G. 105.  
1) Base (aus Pararosanilin) (B. 24, 170). — III, 675.  
2) Verbindung (aus 4-Anido-1-Methylbenzol u. Succinylbernsteinsäurediäthylester). Sm. 293° (B. 17, 545). — I, 524.
- $C_{12}H_{12}O_3N_2$ :  $C_{12}H_{12}O_3N_2$  — H 5,8 — O 11,0 — N 10,2 — M. G. 582.  
1) Tricinnamalattetraureid. Sm. 152 — 154° u. Zera. (G. 23 [1] 383). — III, 61.
- $C_{12}H_{12}O_4N_2$ :  $C_{12}H_{12}O_4N_2$  — H 0,4 — O 18,1 — N 5,3 — M. G. 530.  
1) Benzylidenedihydrocotarnin. Sm. 229 — 230° (2HCl +  $PtCl_4$ ) (B. 31, 2101).
- $C_{12}H_{12}O_2N_4$ :  $C_{12}H_{12}O_2N_4$  — H 0,5 — O 11,5 — N 15,1 — M. G. 556.  
1) Phenylharnstoff d. Base  $C_{12}H_{12}ON_2$  (aus Amylalkohol). Sm. 286° (B. 30, 229).
- $C_{12}H_{12}O_2N_2$ :  $C_{12}H_{12}O_2N_2$  — H 6,4 — O 21,7 — N 5,0 — M. G. 564.  
1) Tetraäthylester d. 2,4-Di'2,5-Dimethyl-1-Pyrrolyl-1-Methylbenzol-2',4',4'-Tetracarbonsäure. Fl. (A. 236, 313). — IV, 1022.
- $C_{12}H_{12}O_2N_2$ :  $C_{12}H_{12}O_2N_2$  — H 7,2 — O 12,4 — N 8,2 — M. G. 515.  
1) 4'-Nitro-5',5'-Di'Acetylamido-2',2'-Dimethyltriphenylmethan. Sm. 114° (B. 21, 3214). — IV, 1049.
- $C_{12}H_{12}O_2N$ :  $C_{12}H_{12}O_2N$  — H 7,0 — O 27,2 — N 2,4 — M. G. 587.  
1) Pyroaconitin. Sm. 167,5%. HCl, ( $HCl, AuCl_2$ ), HBr, HJ (Soc. 65, 177). — III, 774.
- $C_{12}H_{12}O_2N$ :  $C_{12}H_{12}O_2N$  — H 7,3 — O 27,2 — N 2,3 — M. G. 589.  
1) Diacetylapepsoaconitin. Sm. unter 100° (Soc. 33, 330). — III, 776.
- $C_{12}H_{12}O_2N_2$ :  $C_{12}H_{12}O_2N_2$  — H 7,1 — O 29,1 — N 2,3 — M. G. 605.  
1) Benzoylaconin (Napellin; Pikrosconitin) (oder  $C_{12}H_{12}O_2N_2$ ;  $C_{23}H_{46}O_{12}N_2$ ). Sm. 125° (150 — 165° wasserfrei).  $HCl + H_2O$ , ( $HCl, AuCl_2$ ), HBr, HJ, Benzoat (Soc. 31, 146; 63, 444, 992; 65, 174, 290; B. 27, 434, 727). — III, 773.

$C_{31}H_{48}O_5N_2$  C 62,8 — H 8,1 — O 24,3 — N 4,7 — M. G. 592.

1) Septentrionalin. Sm. 128,9° (C. 1895 [1] 1184).

$C_{31}H_{49}O_5N_2J$  1) Verbindung (aus Isoamyljodid u. Diönanthylidendiphenyldiamin) (A. Spl. 3, 352).

$C_{31}H_{49}O_5N_3S$  C 33,9 — H 4,5 — O 23,3 — N 38,3 — M. G. 1098.

1) Divicin. SHNO<sub>3</sub> (J. pr. [2] 24, 202). — III, 95f.

$C_{31}H_{50}O_5N_4$  C 48,3 — H 7,5 — O 33,3 — N 10,9 — M. G. 770.

1) Verbindung (Säure aus Blut). Ba (B. 25 [2] 476).

$C_{31}H_{50}OBr_3$  1) Dibrompalmiton. Sm. 55° (A. 186, 269).

$C_{31}H_{50}OBr_3$  C 80,0 — H 13,5 — O 3,4 — N 3,0 — M. G. 465.

1) Palmitonoxim. Sm. 59° (Soc. 57, 986). — I, 103f.

### $C_{31}$ -Gruppe mit vier Elementen.

$C_{31}H_{49}O_5N_3S$  1) 3,3'-Di[Phenylamido]phenolsaccharin (Bl. [3] 17, 699).

$C_{31}H_{49}O_5N_3S$  1) Inn. Anhydrid d.  $\alpha$ -Oxy-4',4'-Di[Phenylamido]triphenylmethan-4'-Sulfosäure. Na (Soc. 41, 192). — II, 1086.

$C_{31}H_{50}ON_3Cl$  1) Verbindung (aus Benzoylchlorid u. Kyanbenzylin). Sm. 129° (J. pr. [2] 53, 249). — IV, 127.

$C_{31}H_{49}ON_3Br$  1) Phenylhydrazid d. 2, 6-Dibrom-3, 4, 5-Tri[Phenylhydrazido]-benzol-1-Carbonsäure. Zera bei 200° (Bl. [3] 16, 786). — IV, 716.

$C_{31}H_{49}O_5N_3Cl_2$  1) Chlorid d.  $\alpha$ Ethyldiphenylharnstoff. Sm. 167° (B. 14, 2183).

$C_{31}H_{49}O_5N_3S$  1) Diäthyläther d.  $\alpha$ -Di[4-(4-Oxy-2-Methylphenyl)amidophenyl]thio-harnstoff. Sm. 181,5° (A. 287, 159).

$C_{31}H_{49}O_5N_3S_2$  1) Aldehydgrün (siehe auch  $C_{31}H_{49}O_5N_3S$ ) (B. 24, 1711). — III, 675.

$C_{31}H_{49}O_5N_3Cl_2$  1) Paraaldehydblau (B. 22, 228; 24, 1703). — III, 675.

$C_{31}H_{49}O_5N_3Cl$  1) Chlormethylat d. Emetin. (HCl, PtCl<sub>4</sub>) (J. 1887, 2213). — III, 881.

$C_{31}H_{49}O_5N_3Br_3$  1) Tribromseptentrionalin. Sm. 88° (C. 1895 [1] 1184).

### $C_{32}$ -Gruppe mit einem Element.

$C_{32}H_{24}$  C 94,1 — H 5,9 — M. G. 408.

1) Dypnopinakolen. Sm. 200—200,5° (B. 25 [2] 428). — II, 305.

$C_{32}H_{26}$  C 93,7 — H 6,3 — M. G. 410.

1)  $\alpha$ -Dypnopinakolen. Sm. 95,5—96° (B. 25 [2] 425). — II, 304.

2)  $\gamma$ -Dypnopinakolen. Sm. 81—82° (B. 27 [2] 339).

$C_{32}H_{26}$  C 93,2 — H 6,8 — M. G. 412.

1) Tetraphenyläthan + Benzol (A. 184, 177). — II, 301.

2) Kohlenwasserstoff (aus Benzol u. Toluol). Sd. 404—427° (Soc. 37, 702, 713). — II, 303.

$C_{32}H_{28}$  C 92,3 — H 7,7 — M. G. 416.

1)  $\alpha\alpha$ -Ditolyl- $\beta\beta$ -Dixyläthan. Sm. 244—245° (B. 14, 1532).

$C_{32}H_{66}$  C 85,3 — H 14,7 — M. G. 450.

1) Dotriakontan (Dicetyl). Sm. 70,5°; Sd. 310<sub>15</sub> (205°) (B. 10, 2219; 29, 1323; J. r. 18 [2] 299; Soc. 47, 39). — I, 107.

### $C_{32}$ -Gruppe mit zwei Elementen.

$C_{32}H_{14}O_5$  C 80,3 — H 2,9 — O 16,7 — M. G. 478.

1) Pentaacetat d. Scoparinäthyläther. Sm. 140—141° (M. 15, 330). — III, 648.

$C_{32}H_{18}O_6$  C 77,1 — H 3,6 — O 19,3 — M. G. 498.

1) Dibenzoat d. 6,11-Dioxy-5,12-Diketo-5,12-Dihydronaphtaeen. Sm. 334—339° (B. 31, 1281).

$C_{32}H_{18}O_5$  C 62,9 — H 2,9 — O 34,1 — M. G. 610.

1) Verbindung (aus d. Säure  $C_{18}H_{16}O_6$ ) (M. 10, 659). — II, 2091.

$C_{32}H_{20}O_5$  C 62,7 — H 3,2 — O 34,0 — M. G. 612.

1) Verbindung (aus Carninsäure) (A. 183, 114). — II, 2098.

- C<sub>31</sub>H<sub>26</sub>O<sub>14</sub>** C 61,1 — H 3,2 — O 35,7 — M. G. 628.  
 1) Verbindung (aus d. Säure C<sub>18</sub>H<sub>14</sub>O<sub>8</sub>) (M. 10, 659). — II, 2091.
- C<sub>31</sub>H<sub>26</sub>N<sub>4</sub>** C 83,5 — H 4,3 — N 12,2 — M. G. 460.  
 1) Tetraphenylidiphasin. Sm. 271° (Soc. 63, 1299). — IV, 1306.
- C<sub>31</sub>H<sub>25</sub>N<sub>3</sub>** C 85,9 — H 4,7 — N 9,4 — M. G. 447.  
 1)  $\alpha\text{-}\beta\text{-Phenylnaphthindolin}$ . Sm. 256° (268°) (A. 256, 248; 262, 240; 272, 331; B. 31, 2486). — IV, 1215.  
 2) **1-Naphthylrosindulin**. Sm. 247° (A. 256, 248). — IV, 1207.
- C<sub>31</sub>H<sub>25</sub>O<sub>3</sub>** C 87,7 — H 5,0 — O 7,3 — M. G. 438.  
 1) Lakton d. 1-[Dibiphenyloxymethyl]benzol - 2-Carbonsäure (Biphenyl-o-Phthalid) (B. 28, 513). — II, 1730.
- C<sub>31</sub>H<sub>25</sub>O<sub>3</sub>** C 84,6 — H 4,8 — O 10,6 — M. G. 454.  
 1) Verbindung (aus  $\alpha\beta\beta\text{-Tri}[1\text{-Oxynaphthalin}]$ äthan) (A. 243, 168). — II, 1029.
- C<sub>31</sub>H<sub>25</sub>O<sub>4</sub>** C 81,7 — H 4,7 — O 13,6 — M. G. 470.  
 1) Phenylnaphthalchinhydrin. Sm. 132—133° (A. 226, 31). — III, 460.  
 2) 2,2'-Bis-1,3-Diketo-5-Methyl-2-Phenyl-2,3-Dihydroinden. Sm. 204° (B. 29, 2379).  
 3) 2,2'-Bis-1,3-Diketo-2-[3-Methylphenyl]-2,3-Dihydroinden. Sm. 203—205° (B. 28, 1391). — III, 326.
- C<sub>31</sub>H<sub>25</sub>O<sub>5</sub>** C 79,0 — H 4,5 — O 16,4 — M. G. 486.  
 1) 3-Oxy-2-Phenyl-1,4-Naphtochinchhydrin. Sm. 171—172,5° (A. 296, 30).  
 2) Verbindung (aus Oxyphenylnaphtochinonimid). Sm. 186—187° (A. 226, 42). — III, 461.  
 3) Verbindung (aus d. polym. Phenylnaphtochinon). Sm. oberh. 300° (A. 226, 45). — III, 461.
- C<sub>31</sub>H<sub>25</sub>O<sub>10</sub>** C 67,8 — H 3,9 — O 28,3 — M. G. 566.  
 1) Heraclin. Sm. 185° (J. 1879, 905). — III, 633.
- C<sub>31</sub>H<sub>25</sub>N<sub>4</sub>** C 83,1 — H 4,8 — N 12,1 — M. G. 462.  
 1) Phenylamidonaphthindolin (Naphthylviolate) (A. 272, 331). — IV, 1303.
- C<sub>31</sub>H<sub>25</sub>N<sub>5</sub>** C 80,5 — H 4,8 — N 14,7 — M. G. 477.  
 1)  $\alpha\beta\text{-Dinaphylamindisacbenzol}$ . Sm. 238° (B. 22, 3347). — IV, 1401.
- C<sub>31</sub>H<sub>24</sub>O** C 90,5 — H 5,7 — O 3,8 — M. G. 424.  
 1) Dehydrodypnopinakolin. Sm. 186,5—187° (B. 25 [2] 427). — II, 1107.
- C<sub>31</sub>H<sub>24</sub>O<sub>3</sub>** C 87,4 — H 5,4 — O 7,2 — M. G. 440.  
 1) 2,5-Di[Diphenylmethyl]-1,4-Benzochinon. Sm. 238° (B. 31, 2351).
- C<sub>31</sub>H<sub>24</sub>O<sub>3</sub>** C 84,2 — H 5,3 — O 10,5 — M. G. 456.  
 1)  $\alpha\beta\beta\text{-Tri}[1\text{-Oxynaphthalin}]$ äthan (A. 243, 165). — II, 1029.
- C<sub>31</sub>H<sub>24</sub>O<sub>4</sub>** C 81,4 — H 5,1 — O 13,5 — M. G. 472.  
 1) Diacetat d. Dianthranol. Sm. 276—279° u. Zers. (Am. 18, 462).
- C<sub>31</sub>H<sub>24</sub>O<sub>6</sub>** C 71,6 — H 4,5 — O 23,9 — M. G. 536.  
 1) polym. inn. Anhydrid d. 2-Oxy-1-Methylbenzol-3-Carbonsäure (Tetra-β-Kresol). Sm. 293—295° (A. 273, 88; B. 25, 3510). — II, 1545.  
 2) Verbindung (aus 1,4-Benzochinon u. Benzaldehyd). Sm. 116—117° (B. 24, 1341). — III, 346.
- C<sub>31</sub>H<sub>24</sub>O<sub>10</sub>** C 67,6 — H 4,2 — O 28,2 — M. G. 568.  
 1) Dibenzoat d. Irigenin. Sm. 123—124° (B. 26, 2013). — III, 596.
- C<sub>31</sub>H<sub>24</sub>O<sub>16</sub>** C 57,8 — H 3,6 — O 38,6 — M. G. 664.  
 1) Verbindung (aus d. Säure C<sub>18</sub>H<sub>14</sub>O<sub>8</sub>) (M. 10, 659). — II, 2091.
- C<sub>31</sub>H<sub>24</sub>N<sub>6</sub>** C 78,1 — H 4,9 — N 17,0 — M. G. 492.  
 1) Aethylentetraphenylhexacyanid. Sm. bei 245° (B. 23, 2388). — IV, 1333.
- C<sub>31</sub>H<sub>25</sub>N<sub>3</sub>** C 85,1 — H 5,5 — N 9,3 — M. G. 451.  
 1) 7-Phenylamido-1,2,3-Triphenyl-1,2-Dihydro-1,4-Benzodiazin. Sm. 223° (B. 24, 722). — IV, 1212.
- C<sub>31</sub>H<sub>25</sub>Cl** 1)  $\alpha$ -Chlorpentaphenyläthan. Sm. 120—125°; Sd. oberh. 340° (J. 1877, 403). — II, 304.
- C<sub>31</sub>H<sub>26</sub>O** C 90,1 — H 6,1 — O 3,8 — M. G. 426.  
 1)  $\alpha$ -Dypnopinakolin. Sm. 133,5—134° (B. 25 [2] 424; 27 [2] 339). — II, 1107.  
 2)  $\beta$ -Dypnopinakolin. Sm. 140,5—141° (B. 25 [2] 426; 27 [2] 339). — II, 1107.  
 3)  $\gamma$ -Dypnopinakolin. Sm. 178° (B. 27 [2] 339). — II, 1107.  
 4)  $\alpha$ -Isodypnopinakolin (Bl. [3] 15, 1175).  
 5)  $\beta$ -Isodypnopinakolin. Sm. 196° (Bl. [3] 15, 1175).

- C<sub>22</sub>H<sub>26</sub>O**
- 6)  $\gamma$ -Isodypnopinakolin. Sm. 179—180° (*Bl.* [3] **15**, 1177).
  - 7)  $\delta$ -Isodypnopinakolin. Sm. 169—170° (*Bl.* [3] **15**, 1176).
  - 8)  $\epsilon$ -Isodypnopinakolin. Sm. 139,5° (*Bl.* [3] **15**, 1176).
- C<sub>22</sub>H<sub>26</sub>O<sub>2</sub>**
- C 86,9 — H 5,9 — O 7,2 — M. G. 442.
- C<sub>22</sub>H<sub>26</sub>O<sub>3</sub>**
- 1) Chinon (aus d. Kohlenw. C<sub>22</sub>H<sub>26</sub>). Sm. 180° (*Soc.* **37**, 713). — III, 464.
  - C 78,4 — H 5,3 — O 16,3 — M. G. 490.
- C<sub>22</sub>H<sub>26</sub>O<sub>5</sub>**
- 1) Dibenzozat d. Pyroguajacin (oder C<sub>20</sub>H<sub>14</sub>O<sub>5</sub>). Sm. 179° (*M.* **1**, 599; **19**, 99). — III, 645.
  - C 75,9 — H 5,1 — O 19,0 — M. G. 506.
- C<sub>22</sub>H<sub>26</sub>O<sub>6</sub>**
- 1) Succinat d.  $\beta$ -Oxy- $\alpha$ -Keto- $\beta$ -Diphenyläthan. Sm. 129° (*A.* **155**, 92; *B.* **5**, 331). — III, 223.
  - C 71,4 — H 4,8 — O 23,8 — M. G. 538.
- C<sub>22</sub>H<sub>26</sub>O<sub>8</sub>**
- 1) Dibenzozat d. Pinoresinol. Sm. 160° (*M.* **15**, 513). — III, 563.
  - 2) Tetrabenzozat d. Erythrit. Sm. 186,5—187° (190°) (*M.* **10**, 393; *A.* **301**, 102). — II, 1142.
  - 3) Dibenzylester d. Dibenzoylweinsäure. Sm. 76—77° (*Bl.* [3] **13**, 831). C 82,4 — H 5,6 — N 12,0 — M. G. 466.
- C<sub>22</sub>H<sub>26</sub>N<sub>4</sub>**
- 1) 4-Methylphenyl-4-Methylphenylamidoaposafranin. Sm. 238—240° (*B.* **29**, 366). — IV, 1281.
  - C 79,8 — H 5,6 — N 14,6 — M. G. 481.
- C<sub>22</sub>H<sub>27</sub>N<sub>5</sub>**
- 1) Pentaphenylbiguanid. Sm. 160°. HCl, (2HCl, PtCl<sub>4</sub>) (*A.* **286**, 361; *J. pr.* [2] **55**, 416).
  - C 75,4 — H 5,3 — N 19,3 — M. G. 509.
- C<sub>22</sub>H<sub>27</sub>N<sub>7</sub>**
- 1) 5-Imido-4-[1-Phenyl-3-p-Methylphenyl-4,5-Dihydropyrazolyl-5-]aso-1-Phenyl-3-[4-Methylphenyl]-4,5-Dihydropyrasol. Sm. 212° (*J. pr.* [2] **58**, 145).
  - C 89,7 — H 6,5 — O 3,7 — M. G. 428.
- C<sub>22</sub>H<sub>28</sub>O**
- 1)  $\alpha$ -Dypnopinalkohol. Sm. 138,5—139° (*B.* **25** [2] 425; **27** [2] 339). — II, 1096.
  - 2)  $\gamma$ -Dypnopinalkohol? Sm. 128—129° (*B.* **27** [2] 339). — II, 1096.
  - 3)  $\beta$ -Isodypnopinalkohol. Sm. 164° (*Bl.* [3] **15**, 1176).
  - C 86,5 — H 6,3 — O 7,2 — M. G. 444.
- C<sub>22</sub>H<sub>28</sub>O<sub>2</sub>**
- 1) Dypnopinakon. Sm. 160,5—161° (*B.* **25** [2] 423). — II, 1107.
  - C 78,0 — H 5,7 — O 16,3 — M. G. 492.
- C<sub>22</sub>H<sub>28</sub>O<sub>3</sub>**
- 1) Acetyläthyldibenzoin. Sm. 145° (*B.* **4**, 337; **18**, 177). — III, 283.
  - C 71,1 — H 5,2 — O 23,7 — M. G. 540.
- C<sub>22</sub>H<sub>28</sub>O<sub>5</sub>**
- 1) polym. inn. Anhydrid d. 4-Oxy-1-Methylbenzol-3-Carbonsäure. Sm. 295—297° (*A.* **273**, 91). — II, 1547.
  - C 63,6 — H 4,6 — O 31,8 — M. G. 604.
- C<sub>22</sub>H<sub>28</sub>O<sub>12</sub>**
- 1) Hesperitin (oder C<sub>16</sub>H<sub>14</sub>O<sub>6</sub>). Sm. 226° u. Zers. Na, K (*B.* **9**, 607; **14**, 951; *Soc.* **73**, 1036).
  - C 87,3 — H 6,3 — N 6,3 — M. G. 440.
- C<sub>22</sub>H<sub>28</sub>N<sub>3</sub>**
- 1) 1,2-Di[Diphenylamidomethyl]benzol. Sm. 179° (*B.* **31**, 429).
  - 2) 4,4'-Dicinnamylidenamido-3,3'-Dimethylbiphenyl. Sm. 213—214° (*A.* **258**, 378). — IV, 982.
  - C 77,4 — H 5,6 — N 16,9 — M. G. 496.
- C<sub>22</sub>H<sub>28</sub>N<sub>6</sub>**
- 1)  $\alpha$ -Phenyl- $\beta$ -Di[Phenylimidophenylamidomethyl]hydrazin. Sm. 204°. 4HCl, (4HCl, 2PtCl<sub>4</sub>), Pikrat (*B.* **21**, 2275; **25**, 3119; **26**, 1181). — IV, 1224.
  - C 79,5 — H 6,0 — N 14,5 — M. G. 483.
- C<sub>22</sub>H<sub>29</sub>N<sub>5</sub>**
- 1) 9-Dimethylamido-5-[4-Dimethylamidophenyl]rosindulin. 2HCl, 2HNO<sub>3</sub> (*A.* **272**, 323; **286**, 222). — IV, 1297.
  - C 80,3 — H 6,3 — O 13,4 — M. G. 478.
- C<sub>22</sub>H<sub>30</sub>O<sub>4</sub>**
- 1) Diäthylester d.  $\alpha\alpha\beta\beta$ -Tetraphenyläthan- $\alpha\beta$ -Dicarbonsäure. Sm. 88 bis 89° (*B.* **22**, 1538). — II, 1916.
  - C 63,4 — H 4,9 — O 31,7 — M. G. 606.
- C<sub>22</sub>H<sub>30</sub>O<sub>12</sub>**
- 1) Hexacetat d.  $\alpha\beta\beta\beta$ -Tri[1,2-Dioxyphenyl]äthan (*A.* **243**, 182). — II, 1045.
  - 2)  $\alpha$ -Hexacetat d.  $\alpha\beta\beta\beta$ -Tri[1,3-Dioxyphenyl]äthan (*A.* **243**, 175). — II, 1045.
  - 3)  $\beta$ -Hexacetat d.  $\alpha\beta\beta\beta$ -Tri[1,3-Dioxyphenyl]äthan (*A.* **243**, 177). — II, 1045.
  - 4) Hexacetat d.  $\alpha\beta\beta\beta$ -Tri[1,4-Dioxyphenyl]äthan (*A.* **243**, 185). — II, 1045.
  - 5) Tetraäthylester d. 3,6-Dibenzoylbenzol-1,2,4,5-Tetracarbonsäure. Sm. 157° (*A.* **258**, 294). — II, 2095.

- $C_{19}H_{30}O_3$ : 1) C 63.3 — H 7.2 — O 17.4 — M. 619. —  
Tetraalkoxyesther d. 2,5-Dihenoxy-3-Dihydrobenzol-1,3,4,6-Tetra-carbonate. Sm. 21° A. 256, 261. — II. 2194.
- $C_{19}H_{30}O_4$ : C 67.1 — H 6.7 — O 21.1 — M. G. 642.
- $C_{19}H_{30}O_5$ : Heptaacetat d. Benzozin. Sm. 210—211 u. Zers. M. 15. 117. — III. 645.
- $C_{19}H_{30}O_6$ : C 69.1 — H 6.7 — O 17.1 — M. G. 646.
- 1) D. v. 2,4,6-Triacetylphenylbenzyl ether. Sm. 217° A. ca. 21°. 2. 2. — II. 2194.
- $C_{19}H_{30}O_7$ : C 67.3 — H 7.1 — O 21.1 — M. G. 647.
- 2)  $\beta$ -Dioxy- $\alpha$ , $\beta$ -Tetra(4-Methylphenoxy)butan? Sm. 227° A. 279, 337. — III. 215.
- $C_{19}H_{30}O_8$ : C 66.1 — H 7.7 — O 20.3 — M. G. 648.
- $C_{19}H_{30}O_9$ : Anhydroklatannin (1) 1898 (A. 1898).
- $C_{19}H_{30}O_{10}$ : C 73.2 — H 4.7 — O 42.1 — M. G. 649.
- 1) Glykonid (aus Camomile mybene + 4.  $H_2O$ ). Sm. 213—224 u. Zers. A. 1876. 512. — III. 579.
- C 69.0 — H 7.2 — N 1.1 — M. G. 650.
- 2)  $\alpha$ -Diphenylhydrazon- $\delta$ -Diphenylictan. Sm. 14° B. 29, 335. — IV. 756.
- 2)  $\alpha$ -Di Phenylhydrazon- $\delta$ -Di 2,4-Dimethylphenoxybutan. Sm. 15° B. 20, 371. — IV. 756.
- 3) Di-4-Isopropylbenzaldiphenylhydrotetracon. Sm. 176° (15-5°—180°) O. 27° 2. 221. — IV. 1306.
- 4) Dehydro-4-Isopropylbenzalphenylhydrazon. Sm. 151.5—152.5° (G. 27° 2. 236). — IV. 1307.
- 5) Isodehydro-4-Isopropylbenzalphenylhydrazon. Sm. 215—219° (G. 27° 2. 231). — IV. 1307.
- $C_{19}H_{30}O_9$ : C 70.1 — H 6.5 — O 33.3 — M. G. 548.
- $C_{19}H_{30}N_4$ : 1) Pinoresinotannol (M. 18. 497).
- C 70.2 — H 7.1 — N 16.7 — M. G. 544.
- 1) Base (aus Bromphenylacetat). Sm. 225°. 3 HCl. 5 HCl. 3 PtCl<sub>6</sub>. (3 HCl). 3 AuCl<sub>4</sub>. Pikrat (A. 291, 271).
- $C_{19}H_{30}O_8$ : C 68.5 — H 6.9 — O 23.3 — M. G. 550.
- 1) Quassianhydrid. Sm. bei 150—158° (G. 15. 61. — III. 647).
- $C_{19}H_{30}O_{11}$ : C 54.9 — H 5.7 — O 36.2 — M. G. 662.
- 1) Anhydroklatannin (1) 1898 (A. 1898).
- $C_{19}H_{30}O_7$ : C 54.2 — H 8.8 — O 7.0 — M. G. 456.
- 1) bim. Methyl-1-Isopropylphenyl-3-Cyklohexenon-(5). Sm. 175° (B. 32, 427).
- C 67.6 — H 7.9 — O 25.4 — M. G. 568.
- 1) Quassid. Sm. 192—194° (G. 14. 4). — III. 647.
- $C_{19}H_{30}N_4$ : C 80.0 — H 6.3 — N 11.7 — M. G. 480.
- 1) Phenylhydrazon d. Dicamphochinon. Sm. 190—191° u. Zers. (G. 23 [2]. 321). — III. 501.
- $C_{19}H_{30}O_{16}$ : C 65.5 — H 7.2 — O 27.3 — M. G. 586.
- 1) Quassien. Sm. 210—211° (A. 21. 40; J. 1877, 931; 1882, 1116; G. 14. 1; 15. 5; 17. 575; B. 15, 2624; 25 [2] 349). — III. 646.
- $C_{19}H_{30}O_{11}$ : C 41.6 — H 4.5 — O 53.8 — M. G. 522.
- 1) Verbindung (aus d. Rosskastanie) (Z. 1868, 727). — I. 1106.
- $C_{19}H_{30}N_4$ : C 70.7 — H 8.7 — N 11.9 — M. G. 482.
- 1) Di[Phenylhydrazon] d. i-Dicarvelon. Zers. bei 200° (A. 305, 227).
- 2) Di[Phenylhydrazon] d. act. Dicarvelon. Sm. 215° u. Zers. (A. 305, 227).
- $C_{19}H_{30}B_7$ : 1) Verbindung (aus Asphalt). — III. 565.
- $C_{19}H_{40}O_{11}$ : C 40.9 — H 4.7 — O 54.4 — M. G. 940.
- 1) Verbindung (aus d. Rosskastanie) (Z. 1868, 381). — I. 1106.
- $C_{19}H_{40}O_{11}$ : C 48.1 — H 5.8 — O 46.1 — M. G. 798.
- 1) Heptaacetat d. lösli. Stärke  $C_{19}H_{30}O_{14}$ . Sm. 110—120° (B. 31, 1793).
- $C_{19}H_{40}O_{11}$ : C 41.5 — H 5.0 — O 53.5 — M. G. 926.
- 1) Pektosinsäure (A. 67, 274). — I. 1105.
- 2) Verbindung (aus Syringa vulgaris) (J. 1856, 692). — I. 1106.
- $C_{19}H_{40}S$ : 1) Verbindung (aus Asphalt). — III. 565.
- $C_{19}H_{40}O_6$ : C 72.7 — H 9.1 — O 18.2 — M. G. 528.
- 1) Chinovsäure (oder  $C_{19}H_{30}O_6$ ). K<sub>2</sub> + 1/2.  $H_2O$ . Na + 3/2.  $H_2O$ . Cu + 3 Cu(OH)<sub>2</sub> + 5  $H_2O$ . Ag (A. 111, 184; 145, 6; B. 16, 932; R. 2, 163; Z. 1867, 537). — II. 1860.

- C<sub>32</sub>H<sub>49</sub>O<sub>16</sub>** C 55,8 — H 7,0 — O 37,2 — M. G. 688.  
 1) **Strophanthin** + H<sub>2</sub>O. Sm. 170° u. Zers. (B. 31, 535).  
**C<sub>32</sub>H<sub>49</sub>O<sub>32</sub>** 2) **Polymethakrylsäure**. Zers bei 200° (B. 30, 1227).  
 C 40,7 — H 5,1 — O 54,2 — M. G. 944.  
 1) **Pektin** (A. 67, 262). — I, 1105.  
 2) **Metapektin**. + BaO (A. 67, 269). — I, 1105.  
 3) **Parapektin** (A. 67, 266). — I, 1105.  
**C<sub>32</sub>H<sub>49</sub>N** C 85,9 — H 11,0 — N 3,1 — M. G. 447.  
 1) **Phenylamidocholesterin**. Sm. 187°. HCl, H<sub>2</sub>SO<sub>4</sub> (J. r. 10, 355). — II, 590.  
**C<sub>32</sub>H<sub>50</sub>O<sub>3</sub>** C 79,7 — H 10,4 — O 9,9 — M. G. 482.  
 1) **Cardol** (C. 1896 [1] 112).  
**C<sub>32</sub>H<sub>50</sub>O<sub>4</sub>** 2) **Acetat d. Oxy- $\alpha$ -Amyrin**. Sm. 278° (B. 24, 3839). — III, 557.  
 C 77,1 — H 10,0 — O 12,9 — M. G. 498.  
 1) **Acetat d. Ursen** + 5H<sub>2</sub>O (M. 14, 261). — III, 649.  
**C<sub>32</sub>H<sub>51</sub>O<sub>2</sub>** C 82,1 — H 11,1 — O 6,8 — M. G. 408.  
 1) **Echitin**. Sm. 170° (A. 178, 66). — III, 630.  
 2) **Acetat d.  $\alpha$ -Amyrin**. Sm. 221° (B. 20, 1243; 23, 3188; J. 1876, 912). — III, 556.  
 3) **Acetat d.  $\beta$ -Amyrin**. Sm. 236° (B. 20, 1245; 23, 3188; A. 271, 218). — III, 556.  
 4) **Verbindung** (aus Cardol). Fl. (C. 1896 [1] 112).  
**C<sub>32</sub>H<sub>52</sub>O<sub>4</sub>** C 76,8 — H 10,4 — O 12,8 — M. G. 500.  
 1) **Boswellinsäure**. Sm. bei 150° (C. 1896 [2] 985).  
**C<sub>32</sub>H<sub>53</sub>O<sub>5</sub>** C 74,4 — H 10,1 — O 15,5 — M. G. 516.  
 1)  **$\beta$ -Panax-Resen** (B. 28 [2] 1056).  
**C<sub>32</sub>H<sub>52</sub>O<sub>17</sub>** C 54,2 — H 7,3 — O 38,4 — M. G. 708.  
 1) **Saponin**. Zers. bei 195°. Lit. bedeutend. — III, 609.  
 2) **Senegin** (G. 19, 21). — III, 610.  
**C<sub>32</sub>H<sub>53</sub>N<sub>4</sub>** C 78,0 — H 10,6 — N 11,4 — M. G. 492.  
 1) **4,4'-Di[Disoamylamido]azobenzol**. Sm. 115°. 2 + J<sub>6</sub>, Pikrat (M. 3, 713; 4, 286). — IV, 1962.  
**C<sub>32</sub>H<sub>54</sub>O** C 84,6 — H 11,9 — O 3,5 — M. G. 454.  
 1) **Verbindung** (Alkohol aus Harz). Sm. 114° (Soc. 61, 918). — II, 1076.  
**C<sub>32</sub>H<sub>54</sub>O<sub>4</sub>** C 76,5 — H 10,8 — O 12,7 — M. G. 502.  
 1)  **$\alpha$ -Panax-Resen** (B. 28 [2] 1056).  
**C<sub>32</sub>H<sub>54</sub>O<sub>11</sub>** C 62,5 — H 8,8 — O 28,7 — M. G. 614.  
 1) **Glykosid** (aus Hedera helix). Sm. 233° (J. 1875, 827; 1881, 991; Bl. 35, 231). — III, 582.  
**C<sub>32</sub>H<sub>54</sub>O<sub>8</sub>** C 52,9 — H 7,4 — O 39,7 — M. G. 726.  
 1) **Saponin**, siehe C<sub>31</sub>H<sub>53</sub>O<sub>17</sub>. — III, 609.  
**C<sub>32</sub>H<sub>52</sub>O<sub>3</sub>** C 77,7 — H 12,5 — O 9,7 — M. G. 494.  
 1) **Anhydrid d. Palmitinsäure**. Sm. 64° (B. 9, 1932). — I, 464.  
**C<sub>32</sub>H<sub>52</sub>O<sub>5</sub>** C 73,0 — H 11,8 — O 15,2 — M. G. 526.  
 1) **Verbindung** (aus Angelikaoöl). Sm. 74—77° (G. 26 [2] 317).  
**C<sub>32</sub>H<sub>52</sub>O<sub>7</sub>** C 68,8 — H 11,1 — O 20,1 — M. G. 558.  
 1) **Jalapinol**. Sm. 62—62,5° (A. 95, 145; J. 1884, 1447). — III, 595.  
**C<sub>32</sub>H<sub>52</sub>O<sub>9</sub>** C 65,1 — H 10,5 — O 24,4 — M. G. 590.  
 1) **Verbindung** (aus Hanfölfäste). Sm. 133° (M. 7, 227). — I, 535.  
**C<sub>32</sub>H<sub>52</sub>O<sub>16</sub>** C 54,7 — H 8,8 — O 36,5 — M. G. 702.  
 1) **Convolvulin** (Rhodeoretin), siehe auch C<sub>34</sub>H<sub>50</sub>O<sub>27</sub>. Sm. 158° (A. 51, 89; 83, 121; 95, 161; R. 13, 192; C. 1897 [1] 418). — III, 578.  
 C 80,3 — H 13,3 — O 6,7 — M. G. 480.  
 1) **Methylester d. Melissinsäure** C<sub>31</sub>H<sub>50</sub>O<sub>9</sub>. Sm. 71—71,5° (A. 235, 138). — I, 449.  
 2) **Aethylester d. Melissinsäure** C<sub>30</sub>H<sub>50</sub>O<sub>9</sub>. Sm. 73° (A. 183, 355; C. 1896 [1] 642). — I, 449.  
 3) **Cetylester d. Palmitinsäure**. Sm. 53,5° (A. 80, 297; B. 16, 3023; J. pr. [2] 31, 305). — I, 443.  
 4) **Myricylester d. Essigsäure**. Sm. 70° (73°) (M. 9, 581; Bl. [3] 11, 186). — I, 411.  
**C<sub>32</sub>H<sub>56</sub>O** C 82,4 — H 14,2 — O 3,4 — M. G. 466.  
 1) **Cetyläther**. Sm. 55°; Sd. 300° (A. 83, 22). — I, 300.  
**C<sub>32</sub>H<sub>56</sub>S** 1) **Cetylulfid**. Sm. 57,5° (A. 83, 16). — I, 363.

**C<sub>32</sub>-Gruppe mit drei Elementen.**

- C<sub>12</sub>H<sub>18</sub>O<sub>6</sub>N<sub>7</sub>** C 73,0 — H 3,4 — O 18,2 — N 5,3 — M. G. 526.  
1) **P-Dinitro-9,10-Anthrachinon + Chrysen.** Sm. 294° (B. 3, 811; J. pr. [2] 9, 250). — **III, 411.**
- C<sub>12</sub>H<sub>20</sub>ON<sub>4</sub>** C 80,7 — H 4,2 — O 3,4 — N 11,7 — M. G. 476.  
1) **Verbindung** (aus 4-Oxy-1-Phenylazonaphthalin). Sm. 290—291° u. Zers. (B. 30, 2666). — **IV, 1428.**
- C<sub>12</sub>H<sub>20</sub>O<sub>5</sub>N<sub>4</sub>** C 71,1 — H 3,7 — O 14,8 — N 10,4 — M. G. 540.  
1) **Indolin** (B. 14, 1742; 15, 52, 56). — **II, 1439.**
- C<sub>12</sub>H<sub>20</sub>O<sub>5</sub>S<sub>2</sub>** C 63,7 — H 3,4 — O 21,2 — N 11,7 — M. G. 603.  
1) **Verbindung** (aus Rubbadin) (B. 25, 1890). — **II, 658.**
- C<sub>12</sub>H<sub>20</sub>O<sub>5</sub>S<sub>2</sub>** C 63,7 — H 3,4 — O 21,2 — N 11,7 — M. G. 603.  
1) **Galleindibenzolsulfonat.** — **II, 2088.**
- C<sub>12</sub>H<sub>20</sub>O<sub>5</sub>S<sub>3</sub>** C 71,1 — H 3,7 — O 14,8 — N 10,4 — M. G. 540.  
1) **Tribenzolsulfonat d. 1,2,7-Trioxy-9,10-Anthrachinon.** Sm. 182 bis 186°. — **III, 436.**
- C<sub>12</sub>H<sub>21</sub>ON<sub>3</sub>** C 82,9 — H 4,5 — O 3,4 — N 9,1 — M. G. 463.  
1) **Phenylamidonaphthindon** (A. 272, 336, 342). — **IV, 1304.**
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>5</sub>** C 63,7 — H 3,4 — O 21,2 — N 11,7 — M. G. 603.  
1) **P-Trinitro-1,4-Di[Benzoylphenylamido]benzol.** Sm. 248° (B. 25, 2722). — **IV, 594.**
- C<sub>12</sub>H<sub>21</sub>ON<sub>4</sub>\*** C 80,3 — H 4,6 — O 3,3 — N 11,7 — M. G. 478.  
1) **Benzoylmethylphenylfluorindin** (B. 29, 1247). — **IV, 1302.**
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>2</sub>** C 82,4 — H 4,7 — O 6,9 — N 6,0 — M. G. 466.  
1) **4,4'-Di[2-Oxy-1-Naphthylazo]biphenyl.** Sm. 243—245° (B. 22, 3014). — **IV, 1439.**
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>4</sub>** C 77,7 — H 4,4 — O 6,5 — N 11,3 — M. G. 404.  
1) **1,1'-Dioxy-4,4'-Diphenylazo-2,2'-Binaphthyl.** Sm. 245—246° u. Zers. (B. 30, 2661). — **IV, 1428.**
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>6</sub>** C 73,6 — H 4,2 — O 6,1 — N 16,1 — M. G. 522.  
1) **3,3'-Di[2-Oxynaphthylazo]azobenzol.** Sm. 282° (Soc. 69, 12). — **IV, 1431.**
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>2</sub>** C 77,4 — H 4,4 — O 9,7 — N 8,5 — M. G. 496.  
1) **Diphenylrhodamin.** Sm. 260—262° (B. 31, 1333).
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>6</sub>** C 71,4 — H 4,1 — O 8,9 — N 15,6 — M. G. 538.  
1) **3,3'-Di[2-Oxynaphthylazo]azoxybenzol.** Sm. 244—245° (Soc. 69, 9). — **IV, 1431.**
- C<sub>12</sub>H<sub>21</sub>O<sub>4</sub>N<sub>4</sub>** C 73,0 — H 4,2 — O 12,2 — N 10,6 — M. G. 526.  
1) **Verbindung** (aus Indigo) (Bl. 34, 530). — **II, 1624.**
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>4</sub>** C 70,8 — H 4,1 — O 14,8 — N 10,3 — M. G. 542.  
1) **Hydrindin.** K + 3H<sub>2</sub>O (J. pr. [1] 25, 449; A. 72, 283). — **II, 1617.**
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>S** 1) **Verbindung** (aus Resorcin u. 1-Methylbenzol-4-Carbonsäure-3-Sulfosäure) + 3H<sub>2</sub>O (Am. 16, 520; 17, 568).  
C 59,8 — H 4,4 — O 32,4 — N 4,4 — M. G. 642.
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>2</sub>** 1) **Aristolochin.** Zers. bei 215° (B. 25 [2] 635; 29 [2] 38). — **III, 780.**
- C<sub>12</sub>H<sub>21</sub>O<sub>13</sub>Br<sub>12</sub>** 1) **Anhydrohexabromkolatannin** (C. 1898 [1] 579).
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>2</sub>** C 82,0 — H 5,1 — O 6,8 — N 6,0 — M. G. 468.  
1) **1,3-Di[Benzoylphenylamido]benzol.** Sm. 184° (B. 16, 2797). — **IV, 572.**  
2) **1,4-Di[Benzoylphenylamido]benzol.** Sm. 218,5° (B. 16, 2808). — **IV, 585.**  
3) **P-Di[Acetylamido]bianthranyl** (B. 20, 2435). — **IV, 1095.**  
4) **Di[Diphenylamid] d. Benzol-1,2-Dicarbonsäure** (Diphenylaminophtalein). Sm. 238—238,5° (A. 227, 192; G. 14, 470). — **II, 1808.**
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>4</sub>** C 75,0 — H 4,7 — O 9,4 — N 10,9 — M. G. 512.  
1) **Isaton** (Z. 1865, 630). — **II, 1612.**
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>2</sub>** C 74,4 — H 4,6 — O 15,5 — N 5,4 — M. G. 516.  
1) **Verbindung** (aus 5-Keto-4-Phenyl-5-Benzyl-4,5-Dihydrooxazol). Sm. 148 bis 149° u. Zers. (A. 206, 9).
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>4</sub>** C 70,6 — H 4,4 — O 14, — N 10,3 — M. G. 544.  
1) **Flavindin** (A. 72, 284; Bl. 34, 530). — **II, 1624.**
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>2</sub>** 2) **Isatochlorin** (Z. 1865, 630). — **II, 1612.**  
3) **isom. Verbindung** (aus Isatin) (Z. 1865, 630). — **II, 1612.**
- C<sub>12</sub>H<sub>21</sub>O<sub>5</sub>N<sub>2</sub>** C 72,1 — H 4,5 — O 18,0 — N 5,3 — M. G. 532.  
1) **Succinat d.  $\beta$ -Oximido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan.** Sm. 164° (B. 26, 797). — **III, 289.**

- C<sub>21</sub>H<sub>24</sub>O<sub>4</sub>N<sub>2</sub>** 2) Succinat d. isom.  $\beta$ -Oximido- $\alpha$ -Keto- $\alpha\beta$ -Diphenyläthan. Sm. 195° (B. 26, 797). — III, 290.
- C<sub>32</sub>H<sub>24</sub>O<sub>9</sub>S** 1) Verbindung (aus 1,4-Dioxybenzol u. 1-Methylbenzol-4-Carbonsäure-3-Sulfonsäure) + H<sub>2</sub>O (Am. 16, 525).
- C<sub>9</sub>H<sub>24</sub>N<sub>2</sub>S** 1) Phenylhydrazinverbindung d. Di[2-Oxynaphthyl]- $\rho$ -Sulfid. Sm. 184° (B. 27, 3000).
- C<sub>9</sub>H<sub>25</sub>ON<sub>3</sub>** C 77,6 — H 5,0 — O 3,2 — N 14,1 — M. G. 495.
- C<sub>32</sub>H<sub>26</sub>O<sub>7</sub>N<sub>2</sub>** 1) Acetylaminodiphenylindolin. Sm. 160° (A. 286, 199). — IV, 1326.  
C 81,7 — H 5,5 — O 6,8 — N 6,0 — M. G. 470.
- C<sub>32</sub>H<sub>26</sub>O<sub>7</sub>N<sub>2</sub>** 1) 4-Phenoxyhydrat d. 6-Oxy-2,3-Diphenyl-1,4-Naphtisodiazin-6-Aethyläther. Sm. 175—178°. Chlorid (B. 25, 1018; 31, 895 Anm.). — IV, 1092.
- C<sub>8</sub>H<sub>26</sub>O<sub>7</sub>N<sub>4</sub>** 2) Verbindung (aus  $\beta$ -Benzoylpropionsäure). Sm. 195° (Bl. [3] 10, 393).  
C 77,1 — H 5,2 — O 6,4 — N 11,2 — M. G. 498.
- C<sub>32</sub>H<sub>26</sub>O<sub>2</sub>N<sub>4</sub>** 1)  $\rho$ -Di[2-Benzylphenylazo]-1,3-Dioxybenzol. Sm. 180° (B. 27, 2788). — IV, 1446.  
C 69,3 — H 4,7 — O 5,8 — N 20,2 — M. G. 554.
- C<sub>32</sub>H<sub>26</sub>O<sub>2</sub>N<sub>4</sub>** 1) 4,4'-Di[5-Keto-3-Methyl-1-Phenyl-4,5-Dihydro-4-Pyrazolylazo]-biphenyl. Sm. 289° u. Zers. (A. 295, 337). — IV, 1291.
- C<sub>32</sub>H<sub>26</sub>O<sub>4</sub>N<sub>2</sub>** C 76,5 — H 5,2 — O 12,7 — N 5,6 — M. G. 502.  
1) Dimethyläther d. 1,4-Dibenzoyl-5,6-Di[4-Oxypheyl]-2,3-Dihydro-1,4-Diazin. Sm. 182—183° (Soc. 63, 1301). — III, 295.
- C<sub>32</sub>H<sub>26</sub>O<sub>4</sub>N<sub>4</sub>** C 72,5 — H 4,9 — O 12,1 — N 10,5 — M. G. 530.  
1) 4,4'-Dibenzoyl-3,6-Di[Methylphenylamido]-2,5-Diketo-1,2,4,5-Tetrahydro-1,4-Diazin (Hippuroflavindimethylanilid). Sm. 233—234° (A. 287, 84).
- C<sub>32</sub>H<sub>26</sub>O<sub>5</sub>N<sub>4</sub>** C 70,3 — H 4,8 — O 14,6 — N 10,2 — M. G. 546.  
1) Verbindung (aus Isatin) (Z. 1865, 631). — II, 1612.
- C<sub>32</sub>H<sub>26</sub>O<sub>6</sub>N<sub>4</sub>** C 68,3 — H 4,6 — O 17,1 — N 10,0 — M. G. 562.  
1) Isatan. Ag. (J. pr. [1] 28, 346; J. 1865, 584). — II, 1616.
- C<sub>32</sub>H<sub>26</sub>O<sub>6</sub>N<sub>4</sub>** C 65,1 — H 4,4 — O 16,3 — N 14,2 — M. G. 590.  
1) Azoopiansäurephenylhydrazid. Sm. 222° (258°) (B. 10, 2275; J. pr. [2] 55, 179). — IV, 717.
- C<sub>32</sub>H<sub>26</sub>O<sub>12</sub>Br<sub>4</sub>** 1) Anhydrotetrahydrobromokolattannin (C. 1898 [1] 579).
- C<sub>32</sub>H<sub>26</sub>O<sub>12</sub>Br<sub>12</sub>** 1) Anhydrohexabromokolattannin (C. 1898 [1] 579).
- C<sub>32</sub>H<sub>26</sub>O<sub>17</sub>N<sub>8</sub>** C 48,4 — H 3,3 — O 34,2 — N 14,1 — M. G. 794.  
1) Oktaspardit + 6H<sub>2</sub>O (A. 157, 30; 303, 187; J. 1871, 738; Bl. 38, 64; 42, 158; B. 30, 2450). — I, 1211.  
C 81,9 — H 5,1 — O 3,4 — N 9,0 — M. G. 469.
- C<sub>32</sub>H<sub>27</sub>ON<sub>3</sub>** 1) Benzacin. Sm. 150° (Soc. 37, 567). — II, 1314.
- C<sub>32</sub>H<sub>28</sub>O<sub>2</sub>N<sub>2</sub>** C 81,4 — H 5,9 — O 6,8 — N 5,9 — M. G. 472.  
1)  $\gamma\delta$ -Di[Benzoylamido]- $\omega\zeta$ -Diphenyl- $\alpha\omega$ -Hexadien (Dibenzoyleinnylen-diamin). Sm. 264° (Soc. 49, 468). — III, 286.
- C<sub>32</sub>H<sub>28</sub>O<sub>3</sub>N<sub>2</sub>** C 78,7 — H 5,7 — O 9,8 — N 5,7 — M. G. 488.  
1) 3,5-Di[Phenylbenzoylamido]-1-Oxybenzol. Sm. 184—185° (G. 20, 349). — II, 1178.
- C<sub>32</sub>H<sub>28</sub>O<sub>3</sub>N<sub>4</sub>** C 74,4 — H 5,4 — O 9,3 — N 10,9 — M. G. 516.  
1) Isatopurpurin (Z. 1865, 630). — II, 1612.
- C<sub>32</sub>H<sub>28</sub>O<sub>4</sub>N<sub>4</sub>** C 72,2 — H 5,3 — O 12,0 — N 10,5 — M. G. 532.  
1) 1,4-Dibenzoyl-3,6-Di[Methylphenylamido]-2,5-Dioxy-1,4-Dihydro-1,4-Diazin (Dihydrohippuroflavindimethylanilid). Sm. 238° u. Zers. (A. 287, 83).  
2) 1,4-Dibenzoyl-3,6-Di[2-Methylphenylamido]-2,5-Dioxy-1,4-Dihydro-1,4-Diazin (Dihydrohippuroflavind-o-Toluid). Sm. 235—238° u. Zers. (A. 287, 86).
- C<sub>32</sub>H<sub>28</sub>O<sub>8</sub>S** 3) Formyl-p-Benzyl enimid + H<sub>2</sub>O. Sm. 160° (B. 28, 1652). — IV, 187.  
1) Tetramethyläther d. Tetra[2-Oxyphenyl]thiophen. Sm. 136° (B. 25, 602). — III, 751.  
2) Tetramethyläther d. Tetra[4-Oxyphenyl]thiophen. Sm. 217° (B. 28, 890). — III, 751.
- C<sub>32</sub>H<sub>28</sub>O<sub>5</sub>N<sub>4</sub>** C 70,1 — H 5,1 — O 14,6 — N 10,2 — M. G. 548.  
1) Triacetyl- $\alpha\beta$ -Di[Phenylhydrazone]- $\alpha\beta$ -Di[2-Oxyphenyl]äthan. Sm. 80—90° (A. 305, 184).

- $C_{21}H_{28}O_6N_2$  C 71,6 — H 5,2 — O 17,9 — N 5,2 — M. G. 536.  
 1) Diacetat d.  $\alpha\beta\text{-Di[Benzoylamido]-}\alpha\beta\text{-Di[2-Oxophenyl]äthan}$ . Sm. 225—227° (Soc. 45, 678; B. 17, 2405). — II, 994; III, 287.
- $C_{21}H_{28}O_6N_2$  C 67,6 — H 4,9 — O 22,5 — N 4,9 — M. G. 568.  
 1) Benzidyloliansäure. Sm. noch nicht bei 320° (B. 21, 2522). — IV, 967.  
 2) Di[Acetyl-1-Naphthylamid] d. Diacetylweinsäure. Sm. 243—244° (C. 1894 [1] 109).
- $C_{21}H_{25}N_2S$  1) Di[1-Benzylchinolin]sulfid. Sm. bei 63°. +  $PtCl_4$  (J. pr. [2] 51, 95). — IV, 252.  
 2) 4,4'-Di[ $\gamma$ -Phenylallylidenamidobenzyl]sulfid. Sm. 158—159° (B. 24, 727; 28, 880, 1339). — III, 61.
- $C_{21}H_{29}ON_3$  C 81,5 — H 6,1 — O 3,4 — N 9,0 — M. G. 471.  
 1) Diphenylrosanilin (*N. Handie. d. Ch.* I, 626). — II, 1092.
- $C_{21}H_{29}O_2N$  C 80,8 — H 6,1 — O 10,1 — N 2,9 — M. G. 475.  
 1) Di[ $\beta$ -Benzoyl- $\alpha$ -Phenyläthyl]amid d. Essigsäure (Acetylbenzalacetophenonamin). Sm. 149° (B. 31, 350).
- $C_{21}H_{29}O_2Cl_2$  1) Verbindung (aus Quassini). Sm. 119—120° u. Zers. (G. 15, 8). — III, 646.  
 $C_{21}H_{30}O_2N_2$  C 81,0 — H 6,3 — O 6,7 — N 5,9 — M. G. 474.  
 1) 4-Phenoxydihydrat d. 6-Oxy-2,3-Diphenyl-7,8,9,10-Tetrahydro-1,4-Naphthosodiasin-6-Aethyläther. Sm. 151,5° (B. 31, 902).  
 2) Di[4-Methylphenylamid] d.  $\gamma$ -Truxilläsure. Sm. 239° (B. 27, 1411). — II, 1903.
- $C_{21}H_{30}O_4N_2$  C 75,9 — H 5,0 — O 12,6 — N 5,5 — M. G. 506.  
 1) Di[Benzoylmethyläther] d. 1,4-Di[4-Oxophenyl]hexahydro-1,4-Diazin (C. 1897 [1] 595).  
 2) dimolec. 2-Naphylimid d. Butan- $\alpha\gamma$ -Dicarbonsäure. Sm. 166—169° (A. 292, 213).  
 $C_{21}H_{30}O_4N_4$  C 71,9 — H 5,6 — O 12,0 — N 10,5 — M. G. 534.  
 1) Diäthylester d.  $\alpha$ -Diphenyläthylendi[4-Hydrazidobenzol-1-Carbon-säure]. Sm. 229° (B. 27, 1137). — III, 288.
- $C_{21}H_{30}O_4N_2$  C 71,4 — H 5,6 — O 17,8 — N 5,2 — M. G. 538.  
 $C_{21}H_{30}O_4N_4$  1) Benzoylhelicindianilin (A. 154, 30). — III, 69.  
 $C_{21}H_{30}O_4N_4$  C 67,8 — H 5,3 — O 17,0 — N 9,9 — M. G. 566.  
 $C_{21}H_{30}O_4N_4$  1) Diacetat d. Verb.  $C_{21}H_{30}O_4N_4$  (A. 226, 73). — III, 346.  
 $C_{21}H_{30}O_4N_4$  C 64,2 — H 5,0 — O 21,4 — N 9,4 — M. G. 598.  
 1)  $\alpha\beta$ -Bisphenylhydron- $\alpha\beta$ -Di[5,6-Dimethoxyphenyl]äthan-2,2-Dicarbonsäure (M. 12, 70). — II, 2100.  
 2) Phenylamidoformiat d. Erythrit. Sm. 215° u. Zers. (B. 18, 970). — II, 372.
- $C_{21}H_{30}O_{18}Br_6$  1) Anhydrotetrabromkolatannin (C. 1898 [1] 579).  
 $C_{21}H_{32}O_2N_2$  C 81,0 — H 6,3 — O 6,7 — N 5,9 — M. G. 474.  
 1) Di[ $\beta\gamma$ -Diphenyl-norm. Propylamid] d. Oxalsäure. Sm. 115—116° (B. 23, 2862). — II, 637.
- $C_{21}H_{32}O_2N_4$  C 76,2 — H 6,3 — O 6,3 — N 11,1 — M. G. 504.  
 1) Diacetyl-p-Benzylénimid +  $H_2O$ . +  $C_6H_4O_2$  (B. 28, 1653). — IV, 187.
- $C_{21}H_{32}O_2N_6$  C 70,1 — H 5,8 — O 8,8 — N 15,3 — M. G. 548.  
 1) Verbindung (aus 4- $\alpha$ -Brombutyrylamidoazobenzol). Sm. 280° (B. 31, 2852).
- $C_{21}H_{32}O_2N_2$  C 67,1 — H 5,6 — O 22,4 — N 4,9 — M. G. 572.  
 1) Lycorin. Zers. bei 250°.  $2HCl + 2H_2O$ , (2HCl,  $PtCl_4$ ) (C. 1898 [1] 254).
- $C_{21}H_{32}O_1Br_6$  1) Anhydrotetrabromkolatannin (C. 1898 [1] 579).  
 $C_{21}H_{34}ON_2$  C 83,1 — H 7,4 — O 3,5 — N 6,0 — M. G. 462.  
 1) Phenylhydrazon d. bim. Methylphenylcylohexenon. Sm. 250 bis 251° (B. 32, 427).
- $C_{21}H_{34}O_2N_4$  C 75,9 — H 6,3 — O 6,7 — N 11,1 — M. G. 506.  
 1) Phylloporphyrin. Zn (A. 278, 329; 284, 93; 288, 212; 290, 306). — III, 658.
- $C_{21}H_{34}O_4N_2$  C 75,3 — H 6,6 — O 12,6 — N 5,5 — M. G. 510.  
 1) Hexamethyllygionblau (B. 30, 240).
- $C_{21}H_{34}O_4N_4$  C 71,4 — H 6,3 — O 11,9 — N 10,4 — M. G. 538.  
 1) Verbindung (aus 2,4-Dimethylphenylhydrazin u. Acetessigsäureäthylester). Sm. 203° (M. 12, 213). — IV, 813.
- $C_{21}H_{34}O_4N_6$  C 64,6 — H 5,7 — O 10,8 — N 18,8 — M. G. 594.  
 1) Tetra[Phenylhydrazid] d. n-Butan- $\alpha\beta\gamma\delta$ -Tetracarbonsäure. Sm. oberh. 280° (B. 28, 886). — IV, 731.

- C<sub>32</sub>H<sub>34</sub>O<sub>6</sub>N<sub>4</sub>** 2) **Tetra[Phenylhydrazid] d. h-Butan- $\alpha\beta\gamma\delta$ -Tetracarbonsäure.** Sm. oberh. 280° (B. 28, 889). — IV, 731.  
**C<sub>32</sub>H<sub>34</sub>O<sub>6</sub>N<sub>4</sub>** C 69,3 — H 6,1 — O 14,4 — N 10,1 — M. G. 554.  
 1) **Hämatorphyrin** (A. 268, 212).  
**C<sub>32</sub>H<sub>34</sub>O<sub>6</sub>N<sub>4</sub>** C 67,4 — H 6,0 — O 16,8 — N 9,8 — M. G. 570.  
 1) **Verbindung** (aus Glyoxal u. Benzidinsemiurethan) (A. 258, 373). — IV, 967.  
**C<sub>32</sub>H<sub>34</sub>O<sub>6</sub>N<sub>2</sub>** C 66,9 — H 5,9 — O 22,3 — N 4,0 — M. G. 574.  
 1) **Piperonaldehydacetamin.** Sm. 202°. (2HCl, PtCl<sub>4</sub>) (B. 31, 2102).  
**C<sub>32</sub>H<sub>34</sub>O<sub>6</sub>N<sub>6</sub>** C 55,3 — H 4,9 — O 27,7 — N 12,1 — M. G. 694.  
 1) **p-Trinitro-3-Pseudobul-1-Methylbenzol + Naphtalin.** Sm. 89—90° (B. 24, 2837). — II, 182.  
**C<sub>32</sub>H<sub>35</sub>ON<sub>3</sub>** C 80,5 — H 7,3 — O 3,3 — N 8,8 — M. G. 477.  
 1) **Leukophtaligrün** (siehe auch C<sub>34</sub>H<sub>34</sub>O<sub>6</sub>N<sub>4</sub>). Sm. 235—236° (C. 1897 [2] 548).  
**C<sub>32</sub>H<sub>35</sub>O<sub>2</sub>N<sub>2</sub>** C 77,9 — H 7,1 — O 6,5 — N 8,5 — M. G. 493.  
 1) **Phtalgrün** (siehe auch C<sub>34</sub>H<sub>34</sub>O<sub>6</sub>N<sub>4</sub>). Chlorid + H<sub>2</sub>O, 6 Chlorid + 3 PtCl<sub>4</sub>, Nitrat (Bl. [3] 15, 989; C. 1897 [2] 548; 1898 [1] 330).  
**C<sub>32</sub>H<sub>36</sub>O<sub>4</sub>N<sub>2</sub>** C 75,0 — H 7,0 — O 12,5 — N 5,5 — M. G. 512.  
 1) **Leukohexamethylgallblau** (aus Pseudocumidin) (B. 31, 620).  
**C<sub>32</sub>H<sub>36</sub>O<sub>4</sub>Si** 1) **Tetra[2,3-Dimethylphenylester]** d. **Kiesel säure.** Sd. 350—360° (B. 18, 1691). — II, 758.  
 2) **Tetra[2,4-Dimethylphenylester]** d. **Kiesel säure.** Sd. 453—457° (B. 18, 1690). — II, 758.  
**C<sub>32</sub>H<sub>36</sub>O<sub>7</sub>N<sub>4</sub>** C 65,3 — H 6,1 — O 19,0 — N 9,5 — M. G. 588.  
 1) **Verbindung** (aus Bilirubin) (H. 26, 322).  
**C<sub>32</sub>H<sub>36</sub>O<sub>7</sub>N<sub>4</sub>** C 63,6 — H 5,9 — O 21,2 — N 9,3 — M. G. 604.  
 1) **Biliverdin** (Z. 1868, 365; J. 1876, 935; A. 132, 334; 181, 124; G. 11, 430; H. 26, 321). — III, 663.  
**C<sub>32</sub>H<sub>37</sub>O<sub>6</sub>Br<sub>2</sub>** 1) **Tribromquassid.** Sm. bei 155° u. Zers. (G. 14, 6). — III, 647.  
**C<sub>32</sub>H<sub>38</sub>O<sub>7</sub>N<sub>4</sub>** C 57,3 — H 5,7 — O 23,7 — N 8,3 — M. G. 670.  
 1) **4,4'-Di[Meoxalsäurediethylesterhydrazido]biphenyl-3,3'-Dicarbon-säure + 2H<sub>2</sub>O.** Sm. 257° (B. 31, 2580). — IV, 1557.  
**C<sub>32</sub>H<sub>40</sub>O<sub>7</sub>N<sub>4</sub>** C 64,8 — H 6,8 — O 18,9 — N 9,4 — M. G. 592.  
 1) **Hydrobilirubin** (Urobilin). Zn<sub>2</sub> (Z. 1869, 686; J. Th. 1871, 230; 1881, 212; A. 163, 77; 181, 256; B. 7, 1065; 14, 1213; 18, 1106; J. r. 16, 269; M. 10, 572). — III, 663.  
**C<sub>32</sub>H<sub>40</sub>O<sub>4</sub>Si** 1) **Siliciumtetra[4-Dimethylamidophenyl].** Sd. 225° u. Zers. (C. 1896 [1] 843).  
**C<sub>32</sub>H<sub>40</sub>N<sub>4</sub>S<sub>2</sub>** 1) **Verbindung** (aus 2-Amido-5-Dimethylamidobenzolthiosulfonsäure). Sm. 97° (A. 251, 40). — II, 817.  
**C<sub>32</sub>H<sub>41</sub>O<sub>7</sub>N<sub>3</sub>** C 76,9 — H 8,2 — O 6,4 — N 8,4 — M. G. 499.  
 1) **2-Diäthylamido-1,4-Di[P-Diäthylamidobenzoyl]benzol.** Sm. 70° (B. 9, 1914). — III, 305.  
**C<sub>32</sub>H<sub>42</sub>O<sub>4</sub>N<sub>2</sub>** C 74,1 — H 8,1 — O 12,3 — N 5,4 — M. G. 518.  
 1) **dimolec. 4-Methylphenylimid d. Heptan-γ- $\epsilon$ -Dicarbonsäure.** Sm. 176—178° (A. 292, 209).  
**C<sub>32</sub>H<sub>42</sub>O<sub>5</sub>N<sub>2</sub>** C 35,6 — H 3,9 — O 37,1 — N 23,4 — M. G. 1078.  
 1) **Oktasparsäure + 3H<sub>2</sub>O.** NH<sub>4</sub><sup>+</sup> (NH<sub>4</sub>)<sub>2</sub>, K<sub>2</sub>, K<sub>3</sub> + H<sub>2</sub>O, Cu<sub>4</sub> + 12 H<sub>2</sub>O, Ag<sub>4</sub>, Ag<sub>5</sub> (B. 30, 2450; A. 303, 188).  
**C<sub>32</sub>H<sub>43</sub>N<sub>2</sub>Br<sub>2</sub>** 1) **Diammoniumbromid** (aus Disobutyl-1,2-Xylylendiamin u. 1,2-Xylylen-bromid). Sm. 57° (B. 31, 1706).  
**C<sub>32</sub>H<sub>45</sub>O<sub>11</sub>N** C 62,0 — H 7,3 — O 28,4 — N 2,3 — M. G. 619.  
 1) **Methylbenzoyleaconin.** Sm. 210—211° (C. 1896 [2] 791). — III, 774.  
**C<sub>32</sub>H<sub>46</sub>O<sub>6</sub>N<sub>2</sub>** C 69,3 — H 8,3 — O 17,3 — N 5,1 — M. G. 554.  
 1) **Nitroglycyrrhetin** (J. 1880, 1030). — III, 592.  
**C<sub>32</sub>H<sub>46</sub>O<sub>4</sub>N** C 75,4 — H 9,2 — O 12,6 — N 2,7 — M. G. 509.  
 1) **Glycyrrhetin.** Sm. 200° (J. 1880, 1029). — III, 592.  
**C<sub>32</sub>H<sub>47</sub>O<sub>11</sub>N** C 51,4 — H 7,0 — O 33,5 — N 2,1 — M. G. 669.  
 1) **Tetracytlaconin.** Sm. 196° (C. 1896 [1] 208). — III, 774.  
**C<sub>32</sub>H<sub>48</sub>O<sub>6</sub>N<sub>2</sub>** C 78,1 — H 9,7 — O 6,5 — N 5,7 — M. G. 492.  
 1) **α-Stearyl-β-Phenyl-3-Benzylharnstoff.** Sm. 74—75° (Soc. 69, 1602).  
**C<sub>32</sub>H<sub>49</sub>O<sub>9</sub>N** C 65,0 — H 8,3 — O 24,3 — N 2,4 — M. G. 591.  
 1) **Cevadin** (Veratrin). Sm. 205°. HCl, (HCl, HgCl<sub>2</sub>), (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>), (HJ, J<sub>3</sub>), H<sub>2</sub>SO<sub>4</sub>, Pikrat (A. 95, 200; 185, 224; J. 1861, 49;

- $C_{32}H_{49}O_2N$  2) Veratrin +  $H_2O$ . Sm. 146—148°. ( $HCl$ ,  $AuCl_3$ ) (Am. 20, 361).  
 $C_{32}H_{50}ON_2$  C 80,3 — II 10,5 — O 3,3 — N 5,9 — M. G. 478.
- $C_{32}H_{50}O_2S$  1) Phenylamid d.  $\alpha$ -Phenylamidoarachinsäure. Sm. 82° (M. 17, 541).  
 $C_{32}H_{50}O_2Br$  1) Di[Pentaäthylphenyl]sulfon. Sm. 76° (B. 21, 2815). — II, 828.
- $C_{32}H_{51}O_2N$  1) Bromechitin. Sm. 100° (A. 178, 68). — III, 630.  
 2) Acetat d. Brom- $\alpha$ -Amyrin. Sm. 268° (B. 23 [2] 699). — III, 557.  
 3) Acetat d. Brom- $\beta$ -Amyrin. Sm. 233° (B. 23, 3190). — III, 557.  
 $C_{32}H_{51}O_2N_2$  C 61,4 — H 8,2 — O 28,2 — N 2,2 — M. G. 625.
- $C_{32}H_{52}ON_2Cl$  1) Protoveratrin. Sm. 245—250° (B. 23 [2] 699). — III, 951.  
 $C_{32}H_{52}O_2N_2$  C 75,0 — H 10,1 — O 9,4 — N 5,5 — M. G. 512.
- $C_{32}H_{52}O_2N_2Br$  1) Lycopodin. Sm. 114—115°.  $2HCl + H_2O$ , ( $2HCl$ ,  $2AuCl_3 + H_2O$ ) (A. 208, 363; J. 1884, 463). — III, 893.
- $C_{32}H_{52}O_2Br$  1) Aethylester d.  $\alpha$ -Brommelissinsäure. Sm. 65° (C. 1896 [1] 642).

### $C_{32}$ -Gruppe mit vier Elementen.

- $C_{32}H_{32}O_2N_2S_2$  1) Verbindung (aus 2-Oxynaphthalin-6-Sulfosäure) +  $H_2O$  (B. 30, 189). — IV, 1427.
- $C_{32}H_{32}O_2N_2Cl$  1) Diäthyläther d. Verbind.  $C_{32}H_{32}O_2N_2Cl$  (B. 31, 1412).
- $C_{32}H_{32}ON_2Cl$  1) 4-Chlorphenylat d. 6-Oxy-2,3-Diphenyl-1,4-Naphthisodiasin-6-Aethyläther (B. 25, 1018). — IV, 1022.
- $C_{32}H_{32}ON_2Cl$  1) Verbindung (d. Saffraningruppe) +  $H_2O$ . 2 +  $PtCl_4$  (B. 27, 2363). — IV, 1218.
- $C_{32}H_{32}O_2N_2S_2$  1) Dibenzolsulfonat d. 4,4'-Bi[5-Oxy-3-Methyl-1-Phenylpyrazol]. Sm. 190° (B. 29, 1660). — IV, 1263.
- $C_{32}H_{32}O_2N_2Br_2$  1) Benzidylbromopiansäure. Sm. noch nicht bei 300° (B. 25, 2001). — IV, 967.
- $C_{32}H_{32}O_2N_2Cl$  1) Verbindung (aus 8-Oxychinolinchlorbenzylat) +  $3H_2O$ . Sm. 145° (J. pr. [2] 54, 8). — IV, 273.
- $C_{32}H_{32}O_2N_2S_2$  1)  $\alpha\alpha$ -Succinylid[ $\beta$ -Phenyl- $\beta$ -Benzylpseudothioharnstoff]. Sm. 137 bis 138° (Soc. 67, 570).
- $C_{32}H_{32}O_2N_2Fe$  1) Hämin (siehe auch  $C_{32}H_{32}O_2N_2Fe$ ).  $HCl$ ,  $HBr$ ,  $HBr + C_2H_6O$ ,  $4HCl + Isoamylalkohol$  (B. 17, 2269; 18, 392; 27, 572; 29, 821, 2842; 30, 109). — IV, 1618.
- $C_{32}H_{32}O_2N_2Cl$  1) Diacetyldecarboxylat d. Verb.  $C_{32}H_{32}O_2N_2Cl$  (B. 31, 1410).
- $C_{32}H_{32}O_2N_2Br$  1) Diacetyldecarboxylat d. Verb.  $C_{32}H_{32}O_2N_2Br$  (B. 31, 1413).
- $C_{32}H_{32}O_2N_2Fe$  1) Hämatin.  $HCl$  (B. 29, 822, 2842, 2846; 30, 105; 32, 677). — IV, 1618.
- $C_{32}H_{32}O_2N_2Br_2$  1) Tribrombilirubin (A. 181, 117). — III, 662.
- $C_{32}H_{32}O_2N_2Br_2$  1)  $\alpha\beta$ -Di[ $\alpha$ -Bromisovaleryl-2-Naphylamido]äthan. Sm. 193° (B. 31, 3247).
- $C_{32}H_{32}O_2N_2Br$  1) Diäthyläther d. Verb.  $C_{32}H_{32}O_2N_2Br$  (B. 31, 1413).
- $C_{32}H_{32}O_2N_2S$  1) Aldehydrygrün (J. 1869, 1164; B. 3, 761; 24, 1711, 1713). — III, 675.
- $C_{32}H_{32}O_2N_2Fe$  1) Hexahydrohämato porphyrin (B. 17, 2273). — IV, 1620.
- $C_{32}H_{32}O_2N_2Cl_2$  1) Aldehydryblau (B. 22, 233). — III, 675.
- $C_{32}H_{40}O_2NBr$  1) Bromglycyrhetin (J. 1880, 1031). — III, 592.
- $C_{32}H_{40}ON_2S$  1)  $\alpha$ -Stearylimido- $\alpha$ -Phenylbenzylamido- $\alpha$ -Merkaptomethan (Stearylpseudothiophenylbenzylthioharnstoff). Sm. 66—66,5° (Soc. 69, 1602).
- $C_{32}H_{40}O_2NBrg$  1) Cevadindibromid (B. 23, 2702). — III, 949.
- $C_{32}H_{40}O_2NBr_4$  1) Cevadintetrabromid (B. 23, 2701). — III, 949.
- $C_{32}H_{40}O_2NJ$  1) Veratrinmonojodid +  $2H_2O$ . Sm. 212—214° (Am. 20, 366).
- $C_{32}H_{40}O_2NJ_2$  1) Veratrintrijodid. Sm. 136—138° (Am. 20, 365).
- $C_{32}H_{40}O_2NJ_4$  1) Veratrintetrajodid +  $3H_2O$ . Sm. 129—130° (Am. 20, 363).

### $C_{32}$ -Gruppe mit fünf Elementen.

- $C_{32}H_{64}N_8Br_8S_8Si$  1) Verbindung (aus Allylthioharnstoff u.  $SiBr_4$ ) (Soc. 53, 854).

**C<sub>33</sub>-Gruppe mit zwei Elementen.**

- C<sub>33</sub>H<sub>21</sub>O<sub>4</sub>** C 83,6 — H 4,6 — O 11,8 — M. G. 474.  
1) **1-Naphtoat d.  $\alpha$ -Oxy- $\beta\beta$ -Dibenzoyl- $\alpha$ -Phenyläthen.** Sm. 150—151° (A. 291, 105). — **III, 322.**
- C<sub>33</sub>H<sub>21</sub>O<sub>7</sub>** C 76,7 — H 4,3 — O 19,0 — M. G. 516.  
1) **Tribenzoat d. 2,5,3'-Trioxydiphenyläther.** Sm. 188—191° (B. 30, 2568).
- C<sub>33</sub>H<sub>21</sub>N<sub>2</sub>** C 88,8 — H 4,9 — N 6,3 — M. G. 446.  
1) **2-Naphylamido-meso-Phennaphatkridin.** Sm. 244° (B. 26, 3086). — **IV, 1090.**
- C<sub>33</sub>H<sub>23</sub>N<sub>3</sub>** C 81,0 — H 4,7 — N 14,3 — M. G. 489.  
1)  **$\beta$ -Trinaphylguanidindicyanid.** Sm. 220°. HNO<sub>3</sub>. — **II, 624.**
- C<sub>33</sub>H<sub>24</sub>O** C 91,2 — H 5,6 — O 3,2 — M. G. 434.  
1) **Verbindung (aus d. Ver. C<sub>4</sub>H<sub>4</sub>O<sub>4</sub> aus Anhydroacetobenzil).** Sm. 175° (162—163°) (Soc. 51, 526; 71, 131 Ann.). — **III, 252.**
- C<sub>33</sub>H<sub>24</sub>O<sub>4</sub>** C 83,2 — H 5,1 — O 11,7 — M. G. 476.  
1) **Dibenzoat d. 4,4'-Dioxytriphenylmethan.** Sm. 129—130° (B. 22, 1946). — **II, 1003.**
- C<sub>33</sub>H<sub>24</sub>N<sub>2</sub>** C 88,4 — H 5,4 — N 6,2 — M. G. 448.  
1) **Hydro- $\beta$ -Naphthamid.** Sm. 146—150° (A. 168, 118). — **III, 64.**
- C<sub>33</sub>H<sub>24</sub>N<sub>6</sub>** C 78,5 — H 4,8 — N 16,7 — M. G. 504.  
1)  **$\alpha$ -Trinaphylmelamin.** Sm. 223° (B. 19, 244). — **II, 624.**  
2)  **$\beta$ -Trinaphylmelamin.** Sm. 209° (B. 19, 2037). — **II, 624.**
- C<sub>33</sub>H<sub>25</sub>O<sub>5</sub>** C 73,9 — H 5,2 — O 20,9 — M. G. 536.  
1) **Tetrabenzoat d. Penta-Erythrit.** Sm. 99—101° (A. 276, 60). — **II, 1142.**
- C<sub>33</sub>H<sub>25</sub>N<sub>4</sub>** C 82,5 — H 5,8 — N 11,7 — M. G. 480.  
1) **2,4,5-Triphenyl-1,3-Di[4-Amidophenyl]-2,3-Dihydroimidazol + 2H<sub>2</sub>O.** Sm. 122—123° wasserfrei (B. 27, 570). — **III, 29.**
- C<sub>33</sub>H<sub>25</sub>N<sub>5</sub>** C 80,0 — H 5,8 — N 14,1 — M. G. 495.  
1) **Verbindung (aus Diphenylcyanamid u. p-Toluidin).** Sm. 150°. HCl, (2HCl, PtCl<sub>4</sub>) (A. 286, 360).
- C<sub>33</sub>H<sub>26</sub>O<sub>5</sub>** C 79,8 — H 6,0 — O 14,1 — M. G. 496.  
1)  **$\beta$ -Keto- $\alpha\alpha\gamma$ -Tetrabenzylopropan- $\alpha\gamma$ -Dicarbonsäure (Tetrabenzy-acetondicarbonsäure).** Sm. 95°. Ag (A. 261, 186). — **II, 1989.**
- C<sub>33</sub>H<sub>26</sub>O<sub>9</sub>** C 69,5 — H 5,2 — O 25,3 — M. G. 570.  
1) **Rottlerin.** Sm. 200—201° (191—191,5%). Na + H<sub>2</sub>O, K + H<sub>2</sub>O, Ba + 2H<sub>2</sub>O, Pb, Ag (J. 1855, 669; B. 20, 182; Soc. 63, 979; 65, 234; 67, 233; G. 24 [1] 4; 24 [2] 480). — **III, 671.**
- C<sub>33</sub>H<sub>26</sub>N<sub>6</sub>** C 77,6 — H 5,9 — N 16,5 — M. G. 510.  
1) **Tetraphenyl-1,2,4-Toluylenguanidin.** HCl (B. 8, 671). — **IV, 606.**  
2) **isom. Tetraphenyl-1,2,4-Toluylenguanidin.** Sm. 76°. (2HCl, PtCl<sub>4</sub>), HNO<sub>3</sub> (B. 3, 8). — **IV, 606.**
- C<sub>33</sub>H<sub>26</sub>N<sub>8</sub>** C 73,6 — H 5,6 — N 20,8 — M. G. 538.  
1) **p-Dicyanbenzenophenonphenylhydrazon.** Sm. 212° (B. 20, 522). — **IV, 776.**
- C<sub>33</sub>H<sub>27</sub>O<sub>4</sub>** C 81,8 — H 6,6 — O 11,6 — M. G. 484.  
1) **Dibenzoat d.  $\delta\delta$ -Di[4-Oxyphenyl]heptan.** Sm. 144—145° (J. r. 23, 503). — **II, 1151.**
- C<sub>33</sub>H<sub>29</sub>O<sub>4</sub>** C 60,7 — H 4,9 — O 34,4 — M. G. 652.  
1) **Verbindung (aus Phloretinsäure)** (A. 119, 212). — **II, 1570.**
- C<sub>33</sub>H<sub>29</sub>N<sub>2</sub>** C 84,1 — H 7,0 — N 8,9 — M. G. 471.  
1)  **$\alpha$ - $\alpha$ -Di[4-Dimethylamidophenyl]- $\alpha$ -[1-Phenylamido- $\beta$ -Naphthyl]-methan.** Sm. 125°. (2HCl, PtCl<sub>4</sub>), Pikrat (B. 22, 1890). — **IV, 1213.**
- C<sub>33</sub>H<sub>31</sub>O<sub>13</sub>** C 64,7 — H 5,6 — O 29,7 — M. G. 612.  
1) **Phlobaphen (aus Eichenrinde)** (C. 1897 [2] 1151).
- C<sub>33</sub>H<sub>34</sub>O<sub>20</sub>** C 52,8 — H 4,5 — O 42,7 — M. G. 750.  
1) **Randiaroth** (C. 1895 [1] 227).
- C<sub>33</sub>H<sub>35</sub>N<sub>2</sub>** C 83,7 — H 7,4 — N 8,9 — M. G. 473.  
1)  **$\alpha$ -[4-Dimethylamidophenyl]- $\alpha$ - $\alpha$ -Di[1-Dimethylamido- $\beta$ -Naphthyl]-methan.** Sm. 178—179° (B. 21, 3129). — **IV, 1218.**

- C<sub>33</sub>H<sub>56</sub>O<sub>9</sub>** C 68,8 — H 6,2 — O 25,0 — M. G. 576.  
1) Homorottlerin. Sm. 192° (Soc. 67, 233).  
**C<sub>33</sub>H<sub>56</sub>O<sub>13</sub>** C 63,5 — H 5,8 — O 30,7 — M. G. 624.  
1) Propionaldehydphloroglucid (C. 1896 [2] 486).  
**C<sub>33</sub>H<sub>58</sub>N<sub>3</sub>** C 83,0 — H 8,2 — N 8,8 — M. G. 477.  
1) Aethylidihydrochinolin = (C<sub>11</sub>H<sub>12</sub>N)<sub>2</sub>. Fl. (2HCl, PtCl<sub>4</sub>) (B. 17, 1331). — IV, 254.  
**C<sub>33</sub>H<sub>48</sub>O<sub>2</sub>** C 83,6 — H 9,7 — O 6,7 — M. G. 474.  
1) Benzoat d. Lupeol. Sm. 250° (H. 15, 422). — II, 1144.  
**C<sub>33</sub>H<sub>48</sub>O<sub>3</sub>** C 83,2 — H 10,1 — O 6,7 — M. G. 476.  
1) Benzoat d. Cholesterin. Sm. 146,6° (150—151°) (A. ch. [3] 56, 61; J. pr. [2] 7, 171; M. 9, 435; H. 15, 47). — II, 1144.  
2) Benzoat d. Isocholesterin. Sm. 190—191° (194—195°) (J. pr. [2] 7, 174; B. 31, 1200). — II, 1144.  
3) Benzoat d. Paracholesterin. Sm. 127—128° (A. 207, 234). — II, 1144.  
C 73,3 — H 8,9 — O 17,8 — M. G. 540.  
1) Aethylester d. Benzoylcholsäure (B. 8, 1186; H. 10, 196). — II, 1154.  
**C<sub>33</sub>H<sub>51</sub>N** C 85,8 — H 11,1 — N 3,0 — M. G. 461.  
1) 4-Methylphenylamidocholesterol. Sm. 172° (J. r. 10, 355). — II, 590.  
**C<sub>33</sub>H<sub>59</sub>O** C 83,5 — H 13,1 — O 3,4 — M. G. 474.  
1) Verbindung (aus Hendekanaphthen). Sm. 240—242° (J. r. 15, 335). — II, 16.  
**C<sub>33</sub>H<sub>65</sub>Br** 1) Bromid d. Psyllostearylalkohol (H. 17, 428).  
**C<sub>33</sub>H<sub>66</sub>O** C 82,9 — H 13,8 — O 3,3 — M. G. 478.  
1) Daturon. Sm. 95° (B. 26 [2] 288). — I, 1006.  
**C<sub>33</sub>H<sub>66</sub>O<sub>2</sub>** C 80,2 — H 13,3 — O 6,5 — M. G. 494.  
1) Aethylester d. Melissinsäure C<sub>31</sub>H<sub>64</sub>O<sub>2</sub>. Sm. 69,5—70° (A. 235, 138). — I, 449.  
2) Dipalmitylecarbinolester d. Essigsäure. Sm. 47—49° (Soc. 57, 987). — I, 411.  
**C<sub>33</sub>H<sub>66</sub>O<sub>5</sub>** C 77,6 — H 12,9 — O 9,4 — M. G. 510.  
1) Aethylester d. Cocerinsäure. Sm. 70° (B. 18, 1980). — I, 580.  
**C<sub>33</sub>H<sub>66</sub>O<sub>4</sub>** C 75,3 — H 12,5 — O 12,2 — M. G. 526.  
1) Glycerinmonomelissin. Sm. 91,5—92° (C. 1896 [1] 642).  
**C<sub>33</sub>H<sub>66</sub>O<sub>2</sub>** C 79,8 — H 13,7 — O 6,5 — M. G. 496.  
1) Psyllostearylalkohol. Sm. 86—87° (H. 25, 118).

**C<sub>33</sub>-Gruppe mit drei Elementen.**

- C<sub>33</sub>H<sub>59</sub>O<sub>5</sub>N<sub>2</sub>** C 80,5 — H 4,1 — O 9,6 — N 5,7 — M. G. 492.  
1) Benzoat d. 4-Oxynaphtindon (A. 272, 344). — IV, 1085.  
**C<sub>33</sub>H<sub>21</sub>O<sub>5</sub>N<sub>3</sub>** C 78,1 — H 4,1 — O 9,5 — N 8,3 — M. G. 507.  
1) Tri[1-Naphtylcyanurat]. Zers. bei 160—225° (B. 20, 2239). — II, 859.  
2) Tri[2-Naphtylcyanurat]. Zers. bei 230° (B. 20, 2239). — II, 878.  
**C<sub>33</sub>H<sub>21</sub>O<sub>10</sub>N<sub>7</sub>** C 58,6 — H 3,1 — O 23,7 — N 14,5 — M. G. 675.  
1) 2,4,5-Tri[3-Nitrophenyl]-1,3-Di[4-Nitrophenyl]-2,3-Dihydroimidazol. Sm. 227—228° (B. 27, 569). — III, 30.  
2) 1,2,3,4,5-Penta[4-Nitrophenyl]-2,3-Dihydroimidazol. Sm. noch nicht bei 290° (B. 27, 570). — III, 30.  
**C<sub>33</sub>H<sub>7</sub>ON<sub>2</sub>** C 85,3 — H 5,2 — O 3,4 — N 6,0 — M. G. 464.  
1)  $\alpha\beta$ -Diphenyl- $\alpha\beta$ -Di[2-Naphtyl]harnstoff. Sm. 185—186° (B. 24, 2920). — II, 618.  
2)  $\alpha\alpha$ -Diphenyl- $\beta\beta$ -Di[2-Naphtyl]harnstoff. Sm. 103—104° (B. 24, 2923). — II, 618.  
**C<sub>33</sub>H<sub>7</sub>O<sub>2</sub>N<sub>4</sub>** C 77,9 — H 4,7 — O 6,3 — N 11,0 — M. G. 508.  
1) Di[ $\beta$ -Phenylazo-2-Oxynaphtyl]methan. Sm. 127—128° (B. 25, 3481). — IV, 1450.  
**C<sub>33</sub>H<sub>7</sub>O<sub>4</sub>N<sub>3</sub>** C 77,3 — H 4,7 — O 12,5 — N 5,5 — M. G. 512.  
1) Benzoat d. 6,4'-Di[Benzoylamido]-3-Oxybiphenyl. Sm. 177—178° (A. 303, 348).  
**C<sub>33</sub>H<sub>7</sub>O<sub>4</sub>N<sub>4</sub>** C 73,3 — H 4,4 — O 11,8 — N 10,4 — M. G. 540.  
1) 2,4,5-Triphenyl-1,3-Di[4-Nitrophenyl]-2,3-Dihydroimidazol. Sm. 182—183° (B. 27, 569). — III, 29.

- C<sub>23</sub>H<sub>26</sub>ON<sub>4</sub>** C 80,2 — H 5,3 — O 3,2 — N 11,3 — M. G. 494.  
 1) **Benzoyldehydrobenzalphenylhydrazon.** Sm. 173°. +  $\frac{1}{2}$ C<sub>6</sub>H<sub>6</sub> (G. 27, [2] 250). — IV, 749.  
 2) **Isom.** **Benzoyldehydrobenzalphenylhydrazon.** Sm. 187—188° (G. 26, [1] 455; 27 [2] 252). — IV, 749.
- C<sub>23</sub>H<sub>26</sub>O<sub>9</sub>N<sub>2</sub>** C 82,2 — H 5,4 — O 6,6 — N 5,8 — M. G. 482.  
 1) **3,5-Di[Benzoylphenylamido]-1-Methylbenzol.** Sm. 190—191° (J. pr. [2] 33, 544). — IV, 625.
- C<sub>23</sub>H<sub>26</sub>O<sub>2</sub>S<sub>3</sub>** 1) **Di[2-Naphtylläther] d.  $\beta\gamma$ -Dimerkaptopropyl-2-Naphthysulfon.** Sm. 129° (J. pr. [2] 53, 499).
- C<sub>23</sub>H<sub>26</sub>O<sub>8</sub>S<sub>2</sub>** 1)  **$\alpha\beta\gamma$ -Tri[2-Naphthysulfon]propan.** Sm. 230° (J. pr. [2] 53, 494).
- C<sub>23</sub>H<sub>26</sub>N<sub>4</sub>S** 1)  **$\alpha$ -Di[4-Phenylamido-1-Naphyl]thioharnstoff.** Sm. 196° (A. 286, 185). — IV, 923.
- C<sub>23</sub>H<sub>27</sub>O<sub>9</sub>N<sub>4</sub>** C 79,7 — H 5,4 — O 6,4 — N 8,4 — M. G. 497.  
 1) **Base** (aus Lepidoviolet). 2HCl, (2HCl, PtCl<sub>4</sub>) (B. 25, 122). — IV, 317.
- C<sub>23</sub>H<sub>27</sub>O<sub>4</sub>N<sub>5</sub>** C 71,1 — H 4,8 — O 11,5 — N 12,6 — M. G. 557.  
 1) **Verbindung** (aus Carbaniidoxyhydrazobenzol). Sm. 215—218° (B. 23, 493). — IV, 1504.
- C<sub>23</sub>H<sub>28</sub>O<sub>2</sub>N<sub>4</sub>** C 77,3 — H 5,5 — O 6,2 — N 10,9 — M. G. 512.  
 1) **Verbindung** (aus  $\beta$ -Benzoylphenylhydrazin u. Benzaldehyd). Sm. 212—215° (G. 22 [2] 238). — IV, 751.
- C<sub>23</sub>H<sub>28</sub>O<sub>4</sub>N<sub>4</sub>** C 72,8 — H 5,1 — O 11,8 — N 10,3 — M. G. 544.  
 1) **Anhydrodi[benzoylphenylhydrazid] d. Hydrochelidonsäure.** Zers. bei 110° (A. 267, 99). — IV, 714.
- C<sub>23</sub>H<sub>31</sub>O<sub>6</sub>N<sub>2</sub>** C 70,1 — H 5,5 — O 17,0 — N 7,4 — M. G. 565.
- C<sub>23</sub>H<sub>32</sub>N<sub>2</sub>Cl** 1) **Trianiläskäther** (2HCl, PtCl<sub>4</sub>) (B. 3, 366). — III, 567.
- C<sub>23</sub>H<sub>33</sub>ON<sub>5</sub>** 1) **Victoriarblau B.** 2 + PtCl<sub>4</sub> (B. 22, 1889). — IV, 1213.  
 C 81,3 — H 6,8 — O 3,3 — N 8,6 — M. G. 487.
- 1)  **$\alpha$ -Oxy-an-Di[4-Dimethylaminophenyl- $\alpha$ -1-Phenylamido-P-Naphyl]-methan.** Sm. 95%. Pikrat (B. 22, 1890). — II, 1095.
- C<sub>23</sub>H<sub>33</sub>O<sub>3</sub>N<sub>3</sub>** C 76,3 — H 6,3 — O 9,2 — N 8,1 — M. G. 519.  
 1) **1,3,5-Tri[4-Methylphenylacetylamido]benzol.** Sm. 192—193° (G. 20, 326). — IV, 1125.
- C<sub>23</sub>H<sub>33</sub>O<sub>6</sub>N<sub>2</sub>** C 69,8 — H 5,8 — O 16,9 — N 7,4 — M. G. 567.  
 1) **Tri[2-Methoxyl-4-Allylphenyl]cyanurat** (Triegenolcyanurat). Sm. 122° (B. 20, 2238). — II, 975.
- C<sub>23</sub>H<sub>14</sub>O<sub>2</sub>N<sub>2</sub>** C 80,0 — H 6,9 — O 6,5 — N 5,7 — M. G. 490.  
 1) **Oenanthyllidendiphenylamid d. Benzolcarbonsäure** (A. 148, 336). — II, 1194.
- C<sub>23</sub>H<sub>34</sub>O<sub>8</sub>N<sub>2</sub>** C 67,6 — H 5,8 — O 21,8 — N 4,8 — M. G. 586.  
 1) **Phloridzinanilid** (A. 156, 9). — III, 600.
- C<sub>23</sub>H<sub>36</sub>O<sub>6</sub>N<sub>2</sub>** C 71,2 — H 6,5 — O 17,3 — N 5,0 — M. G. 556.  
 1) **Cinnamylidendihydrocotarnin.** Sm. 139—140°. (2HCl, PtCl<sub>4</sub>) (B. 31, 2102).
- C<sub>23</sub>H<sub>36</sub>O<sub>3</sub>N<sub>3</sub>** C 69,0 — H 6,6 — O 19,5 — N 4,9 — M. G. 574.  
 1)  **$\alpha$ -Oxy- $\gamma$ -Phenylallylidenedihydrocotarnin?** Sm. 228—230° u. Zers. (2HCl, PtCl<sub>4</sub>) (B. 31, 2102).
- C<sub>23</sub>H<sub>38</sub>O<sub>12</sub>N<sub>2</sub>** C 60,5 — H 5,8 — O 29,3 — N 4,3 — M. G. 654.  
 1) **Helicin-2,4-Diamino-1-Methylbenzol + xH<sub>2</sub>O** (B. 16, 800; G. 12, 467). — IV, 607.
- C<sub>23</sub>H<sub>39</sub>O<sub>3</sub>N<sub>3</sub>** C 75,4 — H 7,4 — O 9,1 — N 8,0 — M. G. 525.  
 1) **Tri[3-Methyl-6-Isopropylphenyl]cyanurat.** Sm. 151° (B. 20, 2239). — II, 771.
- C<sub>23</sub>H<sub>41</sub>O<sub>4</sub>N<sub>3</sub>** C 72,9 — H 7,5 — O 11,8 — N 7,7 — M. G. 543.  
 1) **Tri[2,4,5-Trimethylphenylamid d. Citronensäure.** Sm. 185° (B. 21, 660). — II, 553.
- C<sub>23</sub>H<sub>42</sub>O<sub>3</sub>S<sub>3</sub>** 1) **Triisobutyläther d.  $\alpha$ -Trithio-2-Oxybenzaldehyd.** Sm. 142° (B. 24, 1449). — III, 71.  
 2) **Triisobutyläther d.  $\beta$ -Trithio-2-Oxybenzaldehyd.** Sm. 162—163° + C<sub>6</sub>H<sub>6</sub> (B. 24, 1450). — III, 71.
- C<sub>23</sub>H<sub>43</sub>O<sub>11</sub>N** C 63,0 — H 6,8 — O 28,0 — N 12,2 — M. G. 629.  
 1) **Anhydroaconitin** (Apoaconitin). Sm. 185—186°. (HCl, AuCl<sub>3</sub>, HBr +  $\frac{1}{2}$ H<sub>2</sub>O, + AuCl<sub>3</sub> (Soc. 33, 324; 59, 280). — III, 773.

- C<sub>33</sub>H<sub>45</sub>O<sub>4</sub>P** 1) Tri[4-tert. Amylphenylester] d. **Phosphorsäure**. Fl. (B. 18, 1701). — **III**, 775.  
**C<sub>33</sub>H<sub>46</sub>ON<sub>2</sub>** C 81,4 — H 9,5 — O 3,3 — N 5,8 — M. G. 486.  
**C<sub>33</sub>H<sub>53</sub>O<sub>10</sub>N** 1) **Phenylhydrazon** d. **Oxycholestenon**. Sm. 271° (M. 17, 585).  
C 63,6 — H 8,5 — O 25,7 — N 2,2 — M. G. 623.  
1) **Methyloxyhydrat** d. **Veratrin + 3H<sub>2</sub>O**. HCl, (2HCl, AuCl<sub>3</sub>) (Am. 20, 369).

### C<sub>33</sub>-Gruppe mit vier Elementen.

- C<sub>33</sub>H<sub>32</sub>ON<sub>2</sub>S** 1) **αα-Di[2-Naphtyl]-β-Thiodiphenylharnstoff**. Sm. 225° (B. 24, 2914). — **II**, 807.  
**C<sub>33</sub>H<sub>32</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **P-Dichlor-1,4-Benzochinon-2-Imidosimmtsäuredi[2-Amido-simtsäure]** (Bl. [3] 15, 1033).  
**C<sub>33</sub>H<sub>36</sub>O<sub>4</sub>N<sub>2</sub>S<sub>2</sub>** 1) **Benzyläther** d. **Stibendisulfonsäuredisazophenol**. Na<sub>2</sub> (B. 27, 3359). — **IV**, 1419.  
**C<sub>33</sub>H<sub>37</sub>ON<sub>2</sub>Cl** 1) **4-[Chlor-4-Methylphenyl]at** d. **6-Oxy-2,3-Diphenyl-1,4-Napht-isodiazin-6-Aethyläther** (B. 27, 2354). — **IV**, 1092.  
**C<sub>33</sub>H<sub>34</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>4</sub>** 1) **4,4'-Di[Phenylamidoformiat] d. Methyldi[3,6-Dibrom-4-Oxy-2,5-Dimethylbenzyl]amin**. Sm. 202° (B. 29, 1113).  
**C<sub>33</sub>H<sub>32</sub>O<sub>5</sub>NJ** 1) **Jodäthylat** d. **Dibenzoylethorphorin + 1/2H<sub>2</sub>O** (Soc. 28, 23, 323). — **III**, 900.  
**C<sub>33</sub>H<sub>36</sub>ON<sub>2</sub>Cl** 1) **Chlorbenzylat** d. **Benzylcinchonin**. Sm. 255° u. Zers. (B. 13, 2296). — **III**, 834.  
**C<sub>33</sub>H<sub>38</sub>O<sub>2</sub>N<sub>2</sub>S** 1) **Diäthyläther** d. **s-Di[4-(4-Methylphenyl)amido-6-Oxy-3-Methyl-phenyl]thioharnstoff**. Sm. 176,5° (B. 27, 2708).  
2) **Diäthyläther** d. **s-Di[4-(4-Oxy-2-Methylphenyl)amido-3-Methyl-phenyl]thioharnstoff**. Sm. 70—72° (A. 286, 208).  
3) **Diäthyläther** d. **s-Di[4-(4-Oxy-3-Methylphenyl)amido-2-Methyl-phenyl]thioharnstoff**. Sm. 179—180° (A. 287, 194).  
**C<sub>33</sub>H<sub>38</sub>O<sub>4</sub>N<sub>2</sub>S** 1) **Tetraäthyläther** d. **s-Di[4-(4-Oxyphenyl)amido-2-Oxyphenyl]-thioharnstoff**. Sm. 154,5—155° (A. 287, 217).  
**C<sub>33</sub>H<sub>39</sub>O<sub>3</sub>NBr<sub>6</sub>** 1) **Triäthyläther** d. **Tri[3,6-Tribrom-4-Oxy-2,5-Dimethylbenzyl]-amin**. Sm. 196—197° (B. 29, 1111).  
**C<sub>33</sub>H<sub>42</sub>O<sub>2</sub>N<sub>2</sub>P** 1) **2-Methylphenylamid d. Phosphorsäuretri[α-Oxyisobuttersäure]**. Sm. 194—196° (A. 279, 116).  
2) **4-Methylphenylamid d. Phosphorsäuretri[α-Oxyisobuttersäure]**. Sm. 160—162° (A. 279, 117).  
**C<sub>33</sub>H<sub>53</sub>O<sub>9</sub>NJ** 1) **Jodmethylenat** d. **Veratrin + 1 1/2H<sub>2</sub>O**. Sm. 210—212° u. Zers. (Am. 20, 368).

### C<sub>34</sub>-Gruppe mit einem Element.

- C<sub>34</sub>H<sub>56</sub>** C 91,9 — H 8,1 — M. G. 444.  
1) **Tetra[*p*-Dimethylphenyl]äthen**. Sm. 244—245° (B. 14, 1531). — **II**, 302.

### C<sub>34</sub>-Gruppe mit zwei Elementen.

- C<sub>34</sub>H<sub>20</sub>O<sub>4</sub>** C 82,9 — H 4,0 — O 13,0 — M. G. 492.  
1) **Tetraphenyluvinon**. Sm. noch nicht bei 280° (Soc. 57, 956). — **III**, 737.  
**C<sub>34</sub>H<sub>20</sub>O<sub>7</sub>** C 75,6 — H 3,7 — O 20,7 — M. G. 540.  
1) **Dibenzoat** d. **Fluorescein**. Sm. 215° (216—217°) (d. 163, 14; B. 28, 2963). — **II**, 2062.  
2) **Dibenzoat** d. **Hydrochinonphthalein**. Sm. 252—253° (B. 28, 2963). C 69,4 — H 3,4 — O 27,2 — M. G. 588.  
**C<sub>34</sub>H<sub>20</sub>O<sub>10</sub>** 1) **Tetrabenzoat** d. **2,3,5,6-Tetraoxy-1,4-Benzochinon** (B. 20, 3152; A. ch. [6] 12, 115). — **III**, 355.  
**C<sub>34</sub>H<sub>22</sub>O<sub>8</sub>** C 85,4 — H 4,6 — O 10,0 — M. G. 478.  
1) **Verbindung** (aus Phenanthrenacetophenon). Sm. 235° (Soc. 59, 105). — **III**, 447.

- C<sub>24</sub>H<sub>22</sub>O<sub>4</sub>** C 82,6 — H 4,4 — O 13,0 — M. G. 494.  
 1) Dibenzocat d.  $\alpha$ -Dioxybinaphyl. Sm. 253° (J. r. 6, 190). — II, 1152.  
 2) Dibenzocat d.  $\beta$ -Dioxybinaphyl. Sm. 160° (J. r. 6, 192). — II, 1152.  
**C<sub>24</sub>H<sub>22</sub>O<sub>6</sub>** C 77,6 — H 4,2 — O 18,2 — M. G. 526.  
 1) Dibenzocat d. Phenolphthalein. Sm. 169° (B. 29, 132).  
 2) Dibenzocat d.  $\gamma$ -Dibenzoyl-1,3-Dioxybenzol. Sm. 151° (A. 210, 259). — III, 305.  
 3) Dibenzocat d.  $\beta$ -Dibenzoyl-1,4-Dioxybenzol. Sm. 146° (A. 210, 265). — III, 305.  
**C<sub>24</sub>H<sub>22</sub>N<sub>4</sub>** C 83,9 — H 4,5 — N 11,5 — M. G. 486.  
 1) 2,3,7,8-Tetraphenyl-1,4,6,9-Naphttetrazin. Sm. 289° (B. 22, 446). — IV, 1244.  
**C<sub>24</sub>H<sub>22</sub>O** C 91,1 — H 5,3 — O 3,6 — M. G. 448.  
 1) Phenyl-1-Naphthylipakolin. Sm. bei 130° (J. pr. [2] 35, 505). — III, 267.  
**C<sub>24</sub>H<sub>22</sub>O<sub>2</sub>** C 88,0 — H 5,1 — O 6,9 — M. G. 484.  
 1) Verbindung (aus Anhydroacetobenzil). Sm. 195 — 200° u. Zers. (Soc. 61, 425; 71, 130). — III, 251.  
**C<sub>24</sub>H<sub>22</sub>N<sub>2</sub>** C 88,7 — H 5,2 — N 6,1 — M. G. 460.  
 1)  $\alpha$ -Di[1-Naphthylimido]- $\alpha$ - $\beta$ -Diphenyläthan. Sm. 218 — 219° (M. 9, 692). — III, 285.  
**C<sub>24</sub>H<sub>22</sub>N<sub>4</sub>** C 83,6 — H 4,9 — N 11,5 — M. G. 488.  
 1) 6-Phenylamido-5-Phenylrosindulin[5]. Sm. 192° (A. 256, 254). — IV, 1298.  
 2) 9-Phenylamido-5-Phenylrosindulin[5]. HCl (A. 286, 219). — IV, 1298.  
 3) 2-Phenylamido-9-Phenylrosindulin[9]. HCl, (2HCl, PtCl<sub>4</sub>) (A. 286, 219). — IV, 1298.  
 4) 10-Phenylamido-9-Phenylrosindulin[9] (B. 29, 2758). — IV, 1298.  
 5) isom. Phenylamidophenylrosindulin. HCl, (2HCl, PtCl<sub>4</sub>) (A. 272, 327). — IV, 1298.  
**C<sub>24</sub>H<sub>22</sub>O<sub>2</sub>** C 87,6 — H 5,6 — O 8,8 — M. G. 466.  
 1)  $\alpha$ - $\beta$ -Dioxy- $\alpha$ - $\beta$ -Diphenyl- $\alpha$ - $\beta$ -Dinaphthyläthan? Sm. 61° (B. 13, 1360). — II, 1107.  
**C<sub>24</sub>H<sub>22</sub>O<sub>4</sub>** C 81,9 — H 5,2 — O 12,9 — M. G. 498.  
 1) Dibenzyläther d. Phenolphthalein. Sm. 150° (B. 26 [2] 232; M. 17, 433). — II, 1933.  
**C<sub>24</sub>H<sub>22</sub>O<sub>6</sub>** C 74,7 — H 4,8 — O 20,5 — M. G. 546.  
 1) Tetracetat d. Verb. C<sub>24</sub>H<sub>22</sub>O<sub>4</sub> (aus Resorcin u. Benzylchlorid). Sm. 90 bis 100° (B. 31, 311).  
**C<sub>24</sub>H<sub>22</sub>O<sub>15</sub>** C 60,5 — H 3,8 — O 35,6 — M. G. 674.  
 1) Eichenroth (M. 1, 270). — III, 587.  
**C<sub>24</sub>H<sub>22</sub>N<sub>2</sub>** C 88,3 — H 5,6 — N 6,1 — M. G. 462.  
 1) 1-Phenylamido-2,3,4,5-Tetraphenylpyrrol. Sm. 207° (A. 269, 117). — IV, 786.  
**C<sub>24</sub>H<sub>22</sub>N<sub>4</sub>** C 83,3 — H 5,3 — N 11,4 — M. G. 490.  
 1) 2,3-Di[Phenylamido]-1,4-Diphenylimido-1,4-Dihydronapthalin. Sm. 169° (A. 256, 253). — IV, 1273.  
**C<sub>24</sub>H<sub>22</sub>N<sub>6</sub>** C 78,8 — H 5,0 — N 16,2 — M. G. 518.  
 1) Verbindung (aus Benzalazin). Sm. 207° (J. pr. [2] 58, 386).  
**C<sub>24</sub>H<sub>22</sub>O<sub>4</sub>** C 81,6 — H 5,6 — O 12,8 — M. G. 500.  
 1) Dibenzocat d. Alkohol C<sub>24</sub>H<sub>22</sub>O<sub>3</sub>. Sm. 185 — 186° (B. 9, 311). — II, 1145.  
**C<sub>24</sub>H<sub>22</sub>O<sub>5</sub>** C 79,1 — H 5,4 — O 15,5 — M. G. 516.  
 1)  $\alpha$ - $\gamma$ -Tribenzoyl- $\beta$ - $\delta$ -Di[2-Furanyl]pentan (Difuraltriacetophenon). Sm. 175° (B. 29, 2249). — III, 730.  
 2) isom. Difuraltriacetophenon. Sm. 211 — 212° (B. 29, 2250). — III, 730.  
**C<sub>24</sub>H<sub>22</sub>O<sub>6</sub>** C 76,7 — H 5,2 — O 18,1 — M. G. 532.  
 1) Aethylanhdrodibenzilacetessigsäure. Sm. 216°. Ba, Ag (Soc. 67, 739).  
 2) Aethylester d. Anhydroadibenzilacetessigsäure. Sm. 210 — 211° (Soc. 69, 737).  
**C<sub>24</sub>H<sub>22</sub>O<sub>8</sub>** C 72,3 — H 4,9 — O 22,7 — M. G. 564.  
 1) Acetat d.  $\alpha$ -Verb. C<sub>24</sub>H<sub>22</sub>O<sub>4</sub> (Am. 5, 343). — III, 10.  
 2) Acetat d.  $\beta$ -Verb. C<sub>24</sub>H<sub>22</sub>O<sub>4</sub> (Am. 5, 344). — III, 10.

- C<sub>5</sub>H<sub>28</sub>O<sub>9</sub>** C 70,3 — H 4,8 — O 24,8 — M. G. 580.  
 1) **Tetrazenozat d. Dulcitan** (*A. ch.* [4] **27**, 163). — **II, 1142.**
- C<sub>5</sub>H<sub>28</sub>O<sub>10</sub>** C 68,4 — H 4,7 — O 26,8 — M. G. 596.  
 1) **Tetrazenozat d. Glykose.** Sm. 141° (*H.* **14**, 344). — **II, 1143.**
- C<sub>5</sub>H<sub>28</sub>O<sub>16</sub>** 2) **Tetrazenozat d. Lävulose.** Sm. 108° (*M.* **10**, 397). — **II, 1143.**
- C<sub>5</sub>H<sub>28</sub>O<sub>16</sub>** C 59,0 — H 4,0 — O 37,0 — M. G. 692.  
 1) **Anhydrid d. Eichengerbsäure** (*M.* **1**, 270). — **III, 587.**
- C<sub>5</sub>H<sub>28</sub>O<sub>22</sub>** C 51,8 — H 3,5 — O 44,7 — M. G. 788.  
 1) **Glykotannin** (*J.* **1858**, 256; *A.* **90**, 340; **170**, 74). — **II, 1926.**
- C<sub>5</sub>H<sub>28</sub>N<sub>2</sub>** C 87,9 — H 6,0 — N 6,0 — M. G. 464.  
 1) **Verbindung** (aus 4-Nitroso-1-Dimethylamidobenzol u. 4-Methylphenyl-2-Naphthamin). Sm. 224—225° (*B.* **21**, 727). — **IV, 1096.**
- C<sub>5</sub>H<sub>28</sub>N<sub>4</sub>** C 82,9 — H 5,7 — N 11,4 — M. G. 492.  
 1) **1,2,3,4-Tetra[Phenylamido]naphthalin.** Sm. 191° (*A.* **256**, 242; *B.* **21**, 679). — **IV, 1273.**
- C<sub>5</sub>H<sub>28</sub>N<sub>6</sub>** C 78,5 — H 5,4 — N 16,1 — M. G. 520.  
 1) **1,3-Di[Phenylhydrazone]-2-[α-Phenylhydrazonäthyl]-2,3-Dihydro-inden.** Sm. 163—167° (*B.* **27**, 109). — **IV, 788.**
- C<sub>5</sub>H<sub>30</sub>O<sub>4</sub>** C 81,3 — H 6,0 — O 12,7 — M. G. 502.  
 1) **Verbindung** (aus Phenylaceton). Sm. 209° u. Zers. (*A.* **291**, 281).
- C<sub>5</sub>H<sub>30</sub>O<sub>5</sub>** C 72,1 — H 5,3 — O 22,6 — M. G. 566.  
 1) **Tetracetat d. ααββ-Tetra[ $\beta$ -Oxyphenyl]äthan** (*A.* **202**, 134). — **II, 1039.**
- C<sub>5</sub>H<sub>30</sub>O<sub>17</sub>** C 57,5 — H 4,2 — O 38,3 — M. G. 710.  
 1) **Anhydrid d. Eichengerbsäure.** Ba (*M.* **1**, 270; *B.* **14**, 1826; *Bl.* [3] **19**, 584). — **III, 587.**
- C<sub>5</sub>H<sub>32</sub>O<sub>6</sub>** C 76,1 — H 6,0 — O 17,9 — M. G. 536.  
 1) **Dibenzoat d. Diisoeugenol.** Sm. 161° (*B.* **15**, 2068; **24**, 2874). — **II, 1151.**
- C<sub>5</sub>H<sub>32</sub>O<sub>7</sub>** C 78,9 — H 5,8 — O 20,3 — M. G. 552.  
 1) **Dibenzoylguajakonsäure.** Sm. 81—83° (*C.* **1897** [1] 167).
- C<sub>5</sub>H<sub>32</sub>O<sub>14</sub>** C 61,4 — H 4,8 — O 33,7 — M. G. 664.  
 1) **Verbindung** (aus Hesperitin). Na, K (*Soc.* **73**, 1035).
- C<sub>5</sub>H<sub>32</sub>N<sub>2</sub>** C 87,2 — H 6,8 — N 6,0 — M. G. 468.  
 1) **1,3-Di[Dibenzylamido]benzol.** Sm. 80—81° (*Soc.* **55**, 602). — **IV, 573.**  
 2) **1,4-Di[Dibenzylamido]benzol.** Sm. 149° (*Soc.* **55**, 600). — **IV, 586.**
- C<sub>5</sub>H<sub>32</sub>N<sub>4</sub>** C 82,2 — H 6,4 — N 11,3 — M. G. 496.  
 1) **2,5-Di[4-Methylphenylamido]-1,4-Di[4-Methylphenylimido]-1,4-Dihydrobenzol.** Sm. 238° (*B.* **8**, 1031; **20**, 2480; *A.* **243**, 236; **262**, 249). — **IV, 1245.**
- C<sub>5</sub>H<sub>32</sub>N<sub>6</sub>** C 77,8 — H 6,1 — N 16,0 — M. G. 524.  
 1) **Verbindung** (aus Carbodi-p-Tolylimid u. Phenylhydrazonecarbodiphenylamin). Sm. 128°. 3 + 4HCl, (3 + 4HCl + 2PtCl<sub>6</sub>) (*B.* **21**, 2277). — **IV, 1225.**
- C<sub>5</sub>H<sub>34</sub>O<sub>4</sub>** C 80,6 — H 6,7 — O 12,7 — M. G. 506.  
 1) **Dibenzoat d. ββ-Di[4-Oxyphenyl]oktan.** Sm. 114° (*J. r.* **23**, 505). — **II, 1151.**
- C<sub>5</sub>H<sub>34</sub>O<sub>5</sub>** 2) **Dibenzoat d. Dithymol.** Sm. 209—210° (215°) (*J. r.* **14**, 141; *B.* **23**, 503). — **II, 1151.**
- C<sub>5</sub>H<sub>34</sub>O<sub>6</sub>** C 75,8 — H 6,3 — O 17,8 — M. G. 538.  
 1) **Dibenzoylguajakharzsäure.** Sm. 132—135° (131°) (*M.* **18**, 718; *C.* **1897** [1] 167).
- C<sub>5</sub>H<sub>34</sub>N<sub>2</sub>** C 86,8 — H 7,2 — N 6,0 — M. G. 470.  
 1) **1,3-Diphenyl-5,6-Di[4-Isopropylphenyl]-1,2-Dihydro-1,2-Diazin.** Sm. 162—163° (*B.* **26**, 64; *A.* **289**, 323). — **IV, 786.**
- C<sub>5</sub>H<sub>34</sub>N<sub>3</sub>** C 84,1 — H 7,2 — N 8,7 — M. G. 485.  
 1) **αα-Di[4-Dimethylamidophenyl]-α-[1-Methylphenylamido- $\beta$ -Naphthyl]methan.** Sm. 87°. (2HCl, PtCl<sub>6</sub>). Pikrat (*B.* **22**, 1893). — **IV, 1214.**
- C<sub>5</sub>H<sub>34</sub>O<sub>4</sub>** C 80,3 — H 7,1 — O 12,6 — M. G. 508.  
 1) **Tetramethyläther d. ααββ-Tetra[ $\beta$ -Oxy- $\beta$ -Methylphenyl]äthen.** Sm. 195° (*B.* **28**, 2875).  
 2) **Tetraäthyläther d. ααββ-Tetra[4-Oxyphenyl]äthen.** Sm. 120—121° (*B.* **28**, 2874).

- C<sub>24</sub>H<sub>36</sub>O<sub>4</sub>** 3) **Dimethylester d. Bis-Dihydrosantinsäure.** Sm. 130,5—131° (G. 23 [1] 60). — **II. 2036.**  
C 86,4 — H 7,6 — N 5,9 — M. G. 472.
- C<sub>24</sub>H<sub>36</sub>N<sub>2</sub>** 1)  $\alpha\beta$ -Di[4-Isopropylbenzylidenamido]- $\alpha\beta$ -Diphenyläthan. Sm. 168° (B. 22, 2303). — **IV. 979.**  
2) **4,4'-Di[4-Isopropylbenzylidenamido]-3'-Dimethylbiphenyl.** Sm. 152° (A. 258, 377). — **IV. 982.**
- C<sub>24</sub>H<sub>38</sub>O<sub>3</sub>** C 85,4 — H 7,9 — O 6,7 — M. G. 478.
- C<sub>24</sub>H<sub>38</sub>O<sub>4</sub>** 1)  $\alpha\alpha$ -Di[3-Oxy-4-Isopropyl-1-Methylphenyl]- $\beta\beta$ -Diphenyläthan. Sm. 224° (A. 279, 332). — **II. 1005.**  
C 80,0 — H 7,4 — O 12,6 — M. G. 510.
- C<sub>24</sub>H<sub>38</sub>O<sub>4</sub>** 1) **Tetraäthyläther d.  $\alpha\alpha\beta\beta$ -Tetra[4-Oxyphenyl]äthan.** Sm. 163—164° (B. 28, 2875).  
C 59,5 — H 5,5 — O 35,0 — M. G. 686.
- C<sub>24</sub>H<sub>40</sub>O<sub>5</sub>** 1) **Socaloin + 5H<sub>2</sub>O (C. 1898 [2] 118, 212).**  
C 70,8 — H 6,9 — O 22,2 — M. G. 576.
- C<sub>24</sub>H<sub>40</sub>O<sub>18</sub>** 1) **Dimethyläther d. Pinoresinotannol (M. 18, 495).**  
C 55,4 — H 5,4 — O 39,1 — M. G. 736.
- C<sub>24</sub>H<sub>40</sub>N<sub>4</sub>** 1) **Tetracytlyfraxinigerbsäure.** Sm. oberh. 100° (M. 3, 752). — **III. 682.**  
C 80,9 — H 7,9 — N 11,1 — M. G. 504.
- C<sub>24</sub>H<sub>40</sub>N<sub>4</sub>** 1)  $\alpha\alpha\beta\beta$ -Tetra[4-Dimethylamidophenyl]äthen. Sm. 310—315° (B. 28, 2876). — **IV. 1305.**  
C 77,0 — H 7,9 — O 15,1 — M. G. 530.
- C<sub>24</sub>H<sub>42</sub>O<sub>5</sub>** 1) **Anhydrid d. Podocarpinsäure (A. 170, 278).  
2) **Diäthylester d. d-Dehydrosantonigenäureanhydrid (G. 25 [2] 293).**  
3) **Verbindung (aus Podocarpinsäure) (A. 170, 275). — II. 1685.**  
C 53,0 — H 5,4 — O 41,6 — M. G. 770.**
- C<sub>24</sub>H<sub>42</sub>O<sub>20</sub>** 1) **Heptaacetylamygdalinsäure (A. 154, 349). — II. 2108.**  
C 80,6 — H 8,3 — N 11,1 — M. G. 506.
- C<sub>24</sub>H<sub>42</sub>N<sub>4</sub>** 1)  $\alpha\alpha\beta\beta$ -Tetra[4-Dimethylamidophenyl]äthan. Sm. 90°; Sd. 300°. (4Cl, 2PtCl<sub>4</sub>), Pikrat (B. 13, 2199). — **IV. 1304.**  
C 78,3 — H 8,3 — N 13,4 — M. G. 521.
- C<sub>24</sub>H<sub>43</sub>N<sub>3</sub>** 1) **Verbindung (aus  $\alpha$ -Oxy-4,4'-Tetramethyldiamidodiphenylmethan).** Sm. 185° (B. 27, 1408). — **II. 1079.**  
C 74,2 — H 8,4 — O 17,4 — M. G. 550.
- C<sub>24</sub>H<sub>44</sub>O<sub>8</sub>** 1) **Diäthylester d. d-Disantonigen Säure.** Sm. 183° (G. 25 [1] 509). — **II. 2036.**  
C 68,2 — H 7,7 — O 24,1 — M. G. 598.
- C<sub>24</sub>H<sub>44</sub>O<sub>9</sub>** 1) **Crocin (B. 17, 2231). — III. 602.**  
C 64,8 — H 7,3 — O 27,9 — M. G. 630.
- C<sub>24</sub>H<sub>44</sub>O<sub>11</sub>** 1) **Crocin (J. 1858, 475). — III. 579.**  
C 49,6 — H 5,6 — O 44,8 — M. G. 822.
- C<sub>24</sub>H<sub>44</sub>O<sub>23</sub>** 1) **Dekacetat d.  $\alpha$ -Glykoheptose.** Sm. 131—132° (A. 270, 79). — **I. 1057.**  
C 83,6 — H 9,8 — O 6,5 — M. G. 488.
- C<sub>24</sub>H<sub>45</sub>O<sub>2</sub>** 1) **Benzocat d. Sitosterin.** Sm. 145—145,5° (M. 18, 559).  
C 68,0 — H 8,0 — O 24,0 — M. G. 600.
- C<sub>24</sub>H<sub>45</sub>O<sub>9</sub>** 1) **Bryonin, siehe C<sub>44</sub>H<sub>50</sub>O<sub>19</sub>.** — **III. 573.**
- C<sub>24</sub>H<sub>50</sub>O<sub>6</sub>** 1) **Pana-Resitannol (B. 28 [2] 1056).**  
C 85,7 — H 10,9 — O 3,4 — M. G. 476.
- C<sub>24</sub>H<sub>51</sub>O** 1) **Benzyläther d. Cholesterin.** Sm. 78° (H. 15, 44). — **II. 1072.**  
C 82,9 — H 10,6 — O 6,5 — M. G. 492.
- C<sub>24</sub>H<sub>52</sub>O<sub>2</sub>** 1) **Benzoat d. Koprosterin.** Sm. 114—115° (B. 29, 477; H. 22, 401).  
C 67,5 — H 8,6 — O 23,8 — M. G. 604.
- C<sub>24</sub>H<sub>52</sub>O<sub>9</sub>** 1) **Gratiosoleretin (J. 1858, 518). — III. 593.**  
C 83,6 — H 10,6 — N 5,7 — M. G. 488.
- C<sub>24</sub>H<sub>53</sub>O<sub>9</sub>** 1) **2,8-Diamyl-3,9-Dihexyl-4,10-Naphthosodiasin (Diamyldihexylphenanthrolin).** Sm. 50—51°. (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), Pikrat (B. 24, 1731). — **IV. 1019.**  
C 67,3 — H 8,9 — O 23,8 — M. G. 606.
- C<sub>24</sub>H<sub>54</sub>O<sub>9</sub>** 1) **Verbindung (aus Saponin) (Z. 1867, 633). — III. 610.**  
C 63,9 — H 8,5 — O 27,6 — M. G. 638.
- C<sub>24</sub>H<sub>54</sub>O<sub>11</sub>** 1) **Digitoxin, siehe auch C<sub>24</sub>H<sub>50</sub>O<sub>18</sub> (B. 31, 2457).**

- C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>, 1) C<sub>17</sub>H<sub>16</sub> — H 12 — O 2 — M. G. 54.  
Samptstein. Sm. 101 Z. 1870. — III. 412.  
C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>, 1) C<sub>17</sub>H<sub>16</sub> — H 12 — O 2 — M. G. 54.  
Asserat t. Alkanols C<sub>17</sub>H<sub>16</sub>O<sub>2</sub>. Sm. 120—121 Z. 1871. — III. 1974.  
C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>, 1) C<sub>17</sub>H<sub>16</sub> — H 12 — O 2 — M. G. 54.  
Ethyrogratiosotaritin. Sm. 1858. Sm. — III. 194.  
C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>, 1) C<sub>17</sub>H<sub>16</sub> — H 12 — O 2 — M. G. 54.  
Salapin. Sm. 1867. L. 96. Z. 186. 186; Z. 186. 187. — III. 54.  
D. Tropethin L. 189. 12. — III. 414.  
C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>, 1) C<sub>17</sub>H<sub>16</sub> — H 12 — O 2 — M. G. 54.  
Baccolin. Sm. 1863. 186. 1863. VII. Ann. 1863. 1402. — III. 582.  
C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>, 1) C<sub>17</sub>H<sub>16</sub> — H 12 — O 2 — M. G. 54.  
Samptinsäure Z. 1870. 97. — III. 412.  
C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>, 1) C<sub>17</sub>H<sub>16</sub> — H 12 — O 2 — M. G. 54.  
Salapinsäure (ether. L. 186. Sm. 186. Ba. Ba, L. 96. 186; 186. 187 Z. 186).  
D. Tropethinsäure Sm. 186. Ba. L. 186. 186; L. 1866. II. 390. — III. 414.  
C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>, 1) C<sub>17</sub>H<sub>16</sub> — H 12 — O 2 — M. G. 54.  
Anhydrid t. Cyclohexansäure. Sm. 121. Z. pr. II. 57. 260.  
C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>, 1) C<sub>17</sub>H<sub>16</sub> — H 12 — O 2 — M. G. 54.  
Convalin. Sm. 1868. L. 186. — III. 414.  
C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>, 1) C<sub>17</sub>H<sub>16</sub> — H 12 — O 2 — M. G. 54.  
Osserat t. Cyclohexanolid. Sm. 186—187. B. 20. 160. — I. 414.  
C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>, 1) C<sub>17</sub>H<sub>16</sub> — H 12 — O 2 — M. G. 54.  
Dicyclohexinsäure. Sm. 186—187. Z. 186. 304. 305. — I. 414.  
D. Säure aus Bienenwachs. Sm. 186. J. 186. 186. B. 20. 178. 179.  
D. Cyclohex-t. Stearinsäure. Sm. 186—187. J. 1868. 479. — I. 414.  
D. Octadecylster. t. Palmitinsäure. Sm. 186. B. 18. 2826. — I. 414.  
D. Geomyzien. Sm. 186—187. J. 1861. 484. — I. 414.  
C<sub>21</sub>H<sub>20</sub>O<sub>2</sub>, 1) C<sub>17</sub>H<sub>16</sub> — H 12 — O 2 — M. G. 54.  
1) Verbindung aus Hummerwachs. Sm. 75. Z. 28. 184.

### C<sub>14</sub>-Gruppe mit drei Elementen.

- C<sub>14</sub>H<sub>10</sub>O<sub>2</sub>Br, 1) Verbindung aus 1,4,5-Trioxphenyl-4-Oxy-1-Naphthalenon. Sm. 293\* A. 289. I. 17. — III. 254.  
C<sub>14</sub>H<sub>10</sub>O<sub>2</sub>N, 1) C<sub>11</sub>H<sub>8</sub> — H 13 — O 1.7 — N 10.2 — M. G. 548.  
D. 2-Oxy-1-Naphthylamino phenanthrenchinen. B. 26. 550. — IV. 148L  
D. 4-Oxy-1-Naphthylamino phenanthrenchinen. B. 26. 550. — IV. 148L  
Methionintrisulfinsäure. H<sub>2</sub> + rH<sub>2</sub>O. Ca. — rH<sub>2</sub>O. Ba. B. 18. 2836; 17. 179. — II. 179.  
C<sub>14</sub>H<sub>10</sub>O<sub>2</sub>N, 1) C<sub>11</sub>H<sub>8</sub> — H 4.1 — O 3.5 — N 15.4 — M. G. 546.  
D. 2-Amido-1-Naphthylamino phenanthrenchinen. B. 26. 550. — IV. 148L  
C<sub>14</sub>H<sub>10</sub>O<sub>2</sub>N, 1) C<sub>11</sub>H<sub>8</sub> — H 4.0 — O 11.8 — N 10.2 — M. G. 550.  
1) Verbindung aus 4. Verb. C<sub>14</sub>H<sub>10</sub>O<sub>2</sub>N. Sm. 296—295 (B. 15. 1972). — III. 546.  
C<sub>14</sub>H<sub>10</sub>O<sub>2</sub>S, 1) Dihenzosat d. D. 2-Oxynaphthyl-2-Sulfid. Sm. 206\* (B. 27. 2545). — II. 546.  
C<sub>14</sub>H<sub>10</sub>O<sub>2</sub>S, 1) Dihenzosat d. D. 2-Oxynaphthyl-2-Disulfid. Sm. 157\* (B. 33. 3367). — II. 546.  
C<sub>14</sub>H<sub>10</sub>O<sub>2</sub>S, 1) Dihenzosat d. D. 1-Oxynaphthyl-2-Trisulfid. Sm. 194\* (B. 23. 3369). — II. 546.  
C<sub>14</sub>H<sub>10</sub>O<sub>2</sub>N, 1) C<sub>11</sub>H<sub>8</sub> — H 13 — O 1.5 — N 9.6 — M. G. 582.  
1) Verbindung aus 1,2-Naphthochinon-4-Tonit. B. 15. 1971. — III. 394.  
C<sub>14</sub>H<sub>10</sub>O<sub>2</sub>N, 1) Fluoresceinbiphenylcarbamid. Sm. 185\* B. 26. Z. 232. — II. 2061.  
C<sub>14</sub>H<sub>10</sub>O<sub>2</sub>N, 1) Parbaffol (aus Fluoresceinchlorid u. 5-Amido-2-Oxybenzol-1-Carbonsäure) B. 32. 45.

- C<sub>14</sub>H<sub>22</sub>O<sub>7</sub>N** C 73,3 — H 4,1 — O 20,1 — N 2,5 — M. G. 557.  
 1) Phenylamid d. 3,4,5-Tribenzoxybenzol-1-Carbonsäure. Sm. 181° (B. [3] 8, 849). — II, 1929.
- C<sub>14</sub>H<sub>22</sub>O<sub>7</sub>N<sub>2</sub>** C 77,8 — H 4,6 — O 12,2 — N 5,3 — M. G. 524.  
 1) Aethylenimid d. α-β-Diphenyläthen-α,β-Dicarbonsäure (Ac. d. Diphenylmaleinsäure). Sm. noch nicht bei 270° (B. 26, 2479). — II, 1897.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>2</sub>** C 75,6 — H 4,4 — O 14,8 — N 5,2 — M. G. 540.  
 1) 2,6-Di[Dibenzoyleamido]-1-Oxybenzol. Sm. 182° (A. 205, 83). — II, 178.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>2</sub>** C 73,4 — H 4,3 — O 17,3 — N 5,0 — M. G. 556.  
 1) Phenolphthaleinbisphenylcarbamat. Sm. 135° (B. 26 [2] 232). — II, 1983.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>S<sub>2</sub>** 1) Verbindung (aus Rubbadin) (B. 25, 1891). — II, 658.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>2</sub>** C 78,0 — H 4,8 — O 9,2 — N 8,0 — M. G. 523.  
 1) Diphenyltribenzoyleguanidin. Sm. 185° (B. 8, 383). — II, 177.  
 2) 1-Naphthyltoloxydhydrazin d. 8-[1-Naphthyl]amido-2-Methyl-5,10-Naphtodiazin-7-Carbonsäure. Chlorid, Bromid, Jodid, Nitrat, Sulfat (B. 31, 1787). — IV, 1186.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>2</sub>** C 73,5 — H 4,5 — O 14,4 — N 7,6 — M. G. 555.  
 1) Benzoat d. 2,4,6-Tri[Benzoylamido]-1-Oxybenzol. Sm. 256° (A. 254, 257). — II, 1178.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>6</sub>** C 74,2 — H 4,7 — O 5,8 — N 15,3 — M. G. 550.  
 1) β-Naphtolazo-p-Benzolazo-m-Xyloolazo-β-Naphtol (Soc. 43, 439). — IV, 1438.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>4</sub>** C 73,6 — H 4,7 — O 11,5 — N 10,1 — M. G. 554.  
 1) Dibensoat d. 4,4'-Bi[5-Oxy-3-Methyl-1-Phenylpyrazol]. Sm. 194 bis 196° (A. 266, 130; B. 29, 1660, 2170). — IV, 1263.  
 2) Verbindung (aus Essigsäurealdehyd u. 1-Phenylazo-2,4-Dioxynaphthalin). Sm. 258° u. Zers. (B. 21, 2205). — IV, 1449.  
 3) Verbindung (aus d. Verb. C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>4</sub>) (B. 15, 1971). — III, 394.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>2</sub>** C 75,3 — H 4,8 — O 14,8 — N 5,1 — M. G. 542.  
 1) Benzylidenechinoxinsäure. + 2CHCl<sub>3</sub>, Ca + 4H<sub>2</sub>O, Ba + 3H<sub>2</sub>O, Ag (A. 270, 341). — IV, 347.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>5</sub>** C 80,1 — H 5,3 — O 6,3 — N 8,2 — M. G. 509.  
 1) 1,1-Dinaphthylamid d. 1-Naphthylamidobornsteinsäure. Sm. 276 bis 277° u. Zers. (B. 25, 968). — II, 614.  
 2) 2,2-Dinaphthylamid d. 2-Naphthylamidobornsteinsäure. Sm. 250° u. Zers. (B. 25, 971). — II, 623.  
 3) 1,1-Dinaphthylamid d. 1-Naphthylimidodiessigsäure. Sm. 200—202° (B. 23, 2004). — II, 613.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>6</sub>** C 69,7 — H 4,6 — O 13,7 — N 12,0 — M. G. 585.  
 1) Di[4-Nitrobenzyliden]rosanilin. Sm. 235—240° (B. 28, 208). — III, 16.
- C<sub>14</sub>H<sub>22</sub>ON<sub>2</sub>** C 87,6 — H 6,0 — O 3,4 — N 3,0 — M. G. 466.  
 1) 2-Oxy-1-Phenylamido-2,3,4,5-Tetraphenyl-2,3-Dihydropyrrol. Sm. 201° (A. 269, 120). — IV, 787.  
 2) Verbindung (aus Dibenzylstilben u. Phenylhydrazin). Sm. bei 196° u. Zers. (A. 269, 126). — IV, 787.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>2</sub>** C 82,3 — H 5,6 — O 6,4 — N 5,6 — M. G. 496.  
 1) 1,3-Di[Benzoyl-4-Methylphenylamido]benzol. Sm. 162° (J. pr. [2] 33, 222). — IV, 573.  
 2) 1,4-Di[Benzoyl-2-Methylphenylamido]benzol. Sm. 235° (J. pr. [2] 34, 68). — IV, 594.  
 3) 1,4-Di[Benzoyl-4-Methylphenylamido]benzol. Sm. 222° (J. pr. [2] 33, 233). — IV, 594.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>6</sub>** C 69,8 — H 4,8 — O 10,9 — N 14,4 — M. G. 584.  
 1) Base (aus 1,4-Phtalyldiamidobenzol). HCl, (2HCl, PtCl<sub>4</sub>) (B. 10, 1164). — IV, 505.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>5</sub>** C 75,7 — H 5,4 — O 5,9 — N 13,0 — M. G. 539.  
 1) Diacetylaniinschwarz (B. 11, 1096). — III, 676.
- C<sub>14</sub>H<sub>22</sub>O<sub>8</sub>N<sub>5</sub>** C 71,0 — H 5,0 — O 16,7 — N 7,3 — M. G. 575.  
 1) Glauconinsäure. Na (B. 31, 691). — IV, 1220.
- C<sub>14</sub>H<sub>22</sub>ON<sub>4</sub>** C 75,8 — H 5,6 — O 3,0 — N 15,6 — M. G. 538.  
 1) α-Acetyl-α-Phenyl-β-Di[Phenylimidophenylamidomethyl]hydrazin. Sm. 274° (B. 26, 1182). — IV, 1224.

- C<sub>24</sub>H<sub>30</sub>O<sub>6</sub>N<sub>4</sub>** C 69,1 — H 5,1 — O 16,3 — N 9,5 — M. G. 590.  
 1) **Tetracetyl- $\alpha$ - $\beta$ -Di[Phenylhydrazon]- $\alpha$ - $\beta$ -Di[2-Oxyphephenyl]äthan.** Sm. 244° (A. 305, 185).
- C<sub>24</sub>H<sub>30</sub>O<sub>6</sub>N<sub>4</sub>** C 63,9 — H 4,7 — O 22,6 — N 8,8 — M. G. 638.  
 1) **Phenylcarbamidmetasaccharin.** Sm. 210° (B. 18, 2608). — II, 372.  
 2) **Phenylcarbamidisaccharin.** Sm. 181° (B. 18, 2609). — II, 373.
- C<sub>24</sub>H<sub>30</sub>O<sub>14</sub>N<sub>2</sub>** C 59,2 — H 4,3 — O 32,5 — N 4,0 — M. G. 690.  
 1) **Verbindung** (aus Papaverinsäure). Sm. 192—194°. 2HCl, (4HCl, PtCl<sub>4</sub> + 8H<sub>2</sub>O), Ba, Ag<sub>2</sub> (M. 17, 500).
- C<sub>24</sub>H<sub>31</sub>O<sub>6</sub>N<sub>3</sub>** C 70,7 — H 5,4 — O 16,6 — N 7,3 — M. G. 577.
- C<sub>24</sub>H<sub>31</sub>O<sub>6</sub>N<sub>2</sub>** C 76,7 — H 6,0 — O 12,0 — N 5,3 — M. G. 592.  
 1) **Diäthylester d. 1,3-Di[2-Methyl-5-Phenylpyrrol]benzol-1<sup>3</sup>,3<sup>2</sup>-Di-carbonsäure.** Sm. 185° (B. 19, 3161). — IV, 1093.
- C<sub>24</sub>H<sub>31</sub>O<sub>4</sub>Cl<sub>4</sub>** 1) **Tetraäthyläther d.  $\alpha$ - $\beta$ -Tetra[P-Chlor-P-Oxyphephenyl]äthen.** Sm. 258—259° (B. 28, 2876).
- C<sub>24</sub>H<sub>31</sub>O<sub>5</sub>N<sub>3</sub>** C 76,8 — H 6,2 — O 9,0 — N 7,9 — M. G. 531.  
 1) **Aethylisocyminaltribenzoyleylguanidin.** Sm. 165° (A. 221, 175). — II, 1173.
- C<sub>24</sub>H<sub>31</sub>O<sub>2</sub>N<sub>2</sub>** C 81,3 — H 6,8 — O 6,3 — N 5,6 — M. G. 502.  
 1) **Di[Diphenylamid] d. Camphersäure.** Sm. 252° (Bl. [3] 15, 985).
- C<sub>24</sub>H<sub>31</sub>O<sub>5</sub>N<sub>4</sub>** C 74,7 — H 6,2 — O 8,8 — N 10,3 — M. G. 546.  
 1) **Diäthylester d. Diphenylhydrazondiphenylacetessigsäure.** Sm. 88—92° (B. 22, 3227). — IV, 719.
- C<sub>24</sub>H<sub>31</sub>O<sub>4</sub>N<sub>4</sub>** C 72,6 — H 6,0 — O 11,4 — N 10,0 — M. G. 562.  
 1)  **$\alpha$ - $\beta$ -Tetra[4-Acetylaminophenyl]äthan.** Sm. 336—337° (A. 296, 229).  
 2) **Tetrabenzoyltriäthyletentetramin.** Sm. 228—229° (B. 23, 3717). — II, 1169.  
 3) **Benzidindifuralanilin.** 2HCl (A. 239, 357). — IV, 967.  
 4) **Tetra[Methylphenylamid] d. Aethan- $\alpha$ - $\beta$ -Tetracarbonsäure.** Sm. 231° (B. 31, 1827).
- C<sub>24</sub>H<sub>31</sub>O<sub>4</sub>N<sub>4</sub>** C 70,6 — H 5,9 — O 13,8 — N 9,7 — M. G. 578.  
 1) **Hämatoporphyrin** (B. 25 [2] 867).
- C<sub>24</sub>H<sub>31</sub>N<sub>3</sub>Cl** 1) **Victoriablau 4 R.** 2 + PtCl<sub>4</sub> (B. 22, 1891). — IV, 1214.
- C<sub>24</sub>H<sub>31</sub>ON<sub>3</sub>** C 81,4 — H 7,0 — O 3,2 — N 8,4 — M. G. 501.  
 1)  **$\alpha$ -Oxy- $\alpha$ -Di[4-Dimethylaminophenyl]- $\alpha$ -[1-Methylphenylamido-P-Naphthyl]methan.** Sm. 77°. Pikrat (B. 22, 1892). — II, 1095.  
 2)  **$\alpha$ -[4-Benzoylamidophenyl]- $\alpha$ -Di[2-Methyl-1,2,3,4-Tetrahydro-chinolinyl-6-methan** (B. 24, 1718). — IV, 1212.
- C<sub>24</sub>H<sub>31</sub>O<sub>9</sub>N<sub>7</sub>** C 59,6 — H 5,1 — O 21,0 — N 14,3 — M. G. 685.  
 1) **Tetraspartidtrianilid.** Sm. 245—260° (A. 303, 212).
- C<sub>24</sub>H<sub>31</sub>O<sub>4</sub>N<sub>4</sub>** C 72,3 — H 6,4 — O 11,3 — N 9,9 — M. G. 564.  
 1) **Acetylderivat d. Base C<sub>24</sub>H<sub>30</sub>ON<sub>4</sub>** (aus Benzylenimid). Sm. 125° (B. 28, 1652).
- C<sub>24</sub>H<sub>31</sub>O<sub>6</sub>N<sub>2</sub>** C 71,8 — H 6,3 — O 16,9 — N 4,9 — M. G. 568.  
 1) **Pseudomorphin + 3H<sub>2</sub>O** (Dehydromorphin). Sm. 245° u. Zers. HCl + 6H<sub>2</sub>O, 2HCl + 2(4)H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub> + 8H<sub>2</sub>O), 2HJ + 2H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + 6H<sub>2</sub>O, H<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub> + 6H<sub>2</sub>O, Oxalat + 6H<sub>2</sub>O, Ditartrat + 12H<sub>2</sub>O (A. 141, 87; 176, 195; 222, 234; 234, 255; 235, 231; 294, 206, 214; A. Spt. 8, 267; B. 13, 86, 91; 19, 1761; Bl. 4, 176; J. pr. [2] 33, 560; Fr. 24, 642). — III, 910.
- C<sub>24</sub>H<sub>31</sub>O<sub>6</sub>N<sub>2</sub>** C 66,2 — H 5,8 — O 23,4 — N 4,5 — M. G. 616.  
 1) **Sekisanin.** Sm. bei 200°. (2HCl, PtCl<sub>4</sub>) (C. 1898 [1] 254).  
 2) **Tetracetylhelicinaniidtoluid** (A. 154, 35). — III, 69.
- C<sub>24</sub>H<sub>31</sub>O<sub>5</sub>N<sub>4</sub>** 1) **Urofusochäminat + 8H<sub>2</sub>O** (B. 7, 1171). — III, 666.
- C<sub>24</sub>H<sub>31</sub>O<sub>6</sub>Br<sub>3</sub>** 1) **Tribromfraxinusgerbsäure + 2H<sub>2</sub>O** (M. 3, 755). — III, 682.
- C<sub>24</sub>H<sub>31</sub>O<sub>9</sub>N<sub>10</sub>** C 55,9 — H 5,2 — O 19,7 — N 19,2 — M. G. 730.  
 1) **Tetraspartäurephenylhydrazid** (B. 30, 2454; A. 303, 200). — IV, 704.
- C<sub>24</sub>H<sub>31</sub>O<sub>7</sub>N<sub>2</sub>** C 62,0 — H 6,1 — O 17,0 — N 14,9 — M. G. 658.  
 1) **Anhydroskopolinam.** (HCl, AuCl<sub>4</sub>) (C. 1898 [1] 1195).
- C<sub>24</sub>H<sub>40</sub>O<sub>14</sub>P<sub>4</sub>** 1) **Verbindung** (aus 4-Isopropylphenylphosphinsäure) (A. 294, 52).
- C<sub>24</sub>H<sub>40</sub>O<sub>25</sub>N<sub>10</sub>** C 41,3 — H 4,0 — O 40,5 — N 14,2 — M. G. 988.  
 1) **Verbindung** (aus Harnstoff) (Bl. 38, 68; B. 30, 2458). — I, 1384.

- C<sub>34</sub>H<sub>41</sub>O<sub>15</sub>N** C 54,3 — H 5,4 — O 38,3 — N 1,9 — M. G. 751.  
 1) **Heptacetyl amylglydalin** (*A.* **154**, 339). — **III**, **570**.  
**C<sub>34</sub>H<sub>45</sub>O<sub>10</sub>N** C 65,1 — H 7,2 — O 25,5 — N 2,2 — M. G. 627.  
 1) **Pyropseudoaconitin.** HJ (*Soc.* **71**, 358).  
**C<sub>34</sub>H<sub>47</sub>O<sub>11</sub>N** C 63,2 — H 7,3 — O 27,3 — N 2,2 — M. G. 645.  
 1) **Aconitin (Acetylbenzoylaconin).** Sm. 193—194°. HCl + 3(3½)H<sub>2</sub>O,  
 (HCl, AuCl<sub>3</sub>), HBr + 2½H<sub>2</sub>O, HJ + 3½H<sub>2</sub>O, HNO<sub>3</sub> + 5½H<sub>2</sub>O, 2 + 3HNO<sub>3</sub>.  
 Lit. bedeutend. — **III**, **772**.  
 2) **Pikropseudoaconitin + H<sub>2</sub>O (Veratrylpseudoaconin).** Sm. 210° (199°).  
 (HCl, AuCl<sub>3</sub>), HBr + 3H<sub>2</sub>O, HNO<sub>3</sub> (*B.* **29**, 855; *Soc.* **31**, 356). — **III**, **775**.  
**C<sub>34</sub>H<sub>48</sub>O<sub>2</sub>N<sub>2</sub>** C 66,7 — H 7,8 — O 20,9 — N 4,6 — M. G. 612.  
 1) **Lappaconitin.** Sm. 205,1° (*C.* **1898** [1] 1184).  
**C<sub>34</sub>H<sub>50</sub>ON<sub>2</sub>** C 81,3 — H 9,9 — O 3,2 — N 5,6 — M. G. 502.  
 1) **ββ-Diphenylhydrazid d. Behenolsäure.** Sm. 104—105° (*B.* **25**, 2670). — **IV**, **667**.  
**C<sub>34</sub>H<sub>55</sub>O<sub>2</sub>N** C 68,7 — H 8,8 — O 21,2 — N 2,3 — M. G. 603.  
 1) **Cevadillin.** (HCl, AuCl<sub>3</sub>), (HJ, HgJ<sub>2</sub>) (*Soc.* **33**, 338). — **III**, **950**.  
**C<sub>34</sub>H<sub>54</sub>N<sub>2</sub>S<sub>2</sub>** 1) **4,4'-Biphenyldi[uns-Diisooamylthioharnstoff].** α-Modif. Sm. 162°;  
 β-Modif. Sm. 123° (*B.* **27**, 1560). — **IV**, **965**.  
**C<sub>34</sub>H<sub>56</sub>O<sub>2</sub>N<sub>2</sub>** C 70,8 — H 10,4 — O 13,9 — N 4,9 — M. G. 576.  
 1) **Samandarin.** 2HCl (*Z.* **1867**, 62). — **III**, **931**.

### C<sub>34</sub>-Gruppe mit vier Elementen.

- C<sub>34</sub>H<sub>39</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) **Verbindung (aus 1,4-Benzochinondiamidobenzozesäure)** (*Bl.* [3] **13**, 749). — **III**, **343**.  
**C<sub>34</sub>H<sub>34</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) **Chlor-1-Naphtylat d. 8-[1-Naphthyl]amido-2-Methyl-5,10-Napht-diazin-7-Carbonsäure** (*B.* **31**, 1787). — **IV**, **1186**.  
**C<sub>34</sub>H<sub>34</sub>O<sub>2</sub>N<sub>2</sub>Br** 1) **Brom-1-Naphtylat d. 8-[1-Naphthyl]amido-2-Methyl-5,10-Napht-diazin-7-Carbonsäure** (*B.* **31**, 1788). — **IV**, **1186**.  
**C<sub>34</sub>H<sub>36</sub>O<sub>2</sub>N<sub>2</sub>S** 1) **Di[4-(1-Oxynaphthyl)azobenzyl]sulfid.** Sm. 198° u. Zera. (*B.* **28**, 1340). — **IV**, **1436**.  
 2) **Di[4-(2-Oxynaphthyl)azobenzyl]sulfid.** Sm. 237° (*B.* **28**, 1340). — **IV**, **1436**.  
**C<sub>34</sub>H<sub>39</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) **4-[Chlor-4-Aethoxyphenyl]at d. 6-Oxy-2,3-Diphenyl-1,4-Napht-isodiazin-6-Aethyläther** (*B.* **27**, 2361). — **IV**, **1093**.  
**C<sub>34</sub>H<sub>31</sub>O<sub>2</sub>N<sub>2</sub>Fe** 1) **Urorubrohämatin + 8H<sub>2</sub>O** (*B.* **7**, 1171). — **III**, **667**.  
**C<sub>34</sub>H<sub>36</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **Base (aus Morphin)** (*Soc.* **26**, 215). — **III**, **901**.  
**C<sub>34</sub>H<sub>37</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) **Base (aus Morphin)** (*Soc.* **26**, 215). — **III**, **901**.  
**C<sub>34</sub>H<sub>37</sub>O<sub>2</sub>N<sub>2</sub>Fe** 1) **Hämochromogen** (*B.* **25** [2] 867).  
**C<sub>34</sub>H<sub>39</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) **Dipropyläther d. Verb.** C<sub>34</sub>H<sub>38</sub>O<sub>2</sub>N<sub>2</sub>Cl (*B.* **31**, 1412).  
**C<sub>34</sub>H<sub>38</sub>O<sub>2</sub>N<sub>2</sub>Br** 1) **Dipropyläther d. Verb.** C<sub>34</sub>H<sub>36</sub>O<sub>2</sub>N<sub>2</sub>Br (*B.* **31**, 1413).  
**C<sub>34</sub>H<sub>39</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) **Base (aus Morphin)** (*Soc.* **26**, 215). — **III**, **901**.  
**C<sub>34</sub>H<sub>41</sub>O<sub>2</sub>N<sub>2</sub>J** 1) **Verbindung (aus Morphin).** 2HJ (*Soc.* **25**, 151, 504). — **III**, **901**.  
**C<sub>34</sub>H<sub>45</sub>O<sub>2</sub>N<sub>2</sub>Br<sub>2</sub>** 1) **Tribromlappaconitin.** Sm. 98° (*C.* **1895** [1] 1184).  
**C<sub>34</sub>H<sub>44</sub>O<sub>2</sub>NBr** 1) **Bromäthyat d. Veratrin** (*Am.* **20**, 371).

### C<sub>35</sub>-Gruppe mit einem Element.

- C<sub>35</sub>H<sub>60</sub>** C 87,5 — H 12,5 — M. G. 480.  
 1) **Ilicen.** Sm. 182—183° (*B.* **28** [2] 236).  
**C<sub>35</sub>H<sub>72</sub>** C 85,4 — H 14,6 — M. G. 492.  
 1) **norm. Pentatriakontan.** Sm. 74,7°; Sd. 331°<sub>15</sub> (*B.* **15**, 1715). — **I**, **107**.

### C<sub>35</sub>-Gruppe mit zwei Elementen.

- C<sub>35</sub>H<sub>20</sub>O<sub>8</sub>** C 73,9 — H 3,5 — O 22,5 — M. G. 568.  
 1) **Tribenzoat d. 1,2,3-Trioxo-9,10-Anthrachinon.** Sm. 207° (*M.* **18**, 298).  
 2) **Tribenzoat d. 1,2,7-Trioxo-9,10-Anthrachinon.** Sm. 183—185° (*J.* **1873**, 452). — **III**, **436**.

- C<sub>35</sub>H<sub>22</sub>O<sub>6</sub>** C 73,7 — H 3,9 — O 22,4 — M. G. 570.  
1)  $\alpha$ ,2-Lakton d. 2-Oxy-4,2',4'-Tribenzoxyldiphenylmethan- $\alpha$ -Carbonsäure. Sm. 165° (Soc. 71, 1088).  
**C<sub>35</sub>H<sub>22</sub>O<sub>9</sub>** C 71,7 — H 3,7 — O 24,6 — M. G. 586.  
1) Tribenzoylphlobaphen (A. 202, 277). — III, 588.  
**C<sub>35</sub>H<sub>24</sub>O** C 91,3 — H 5,2 — O 3,5 — M. G. 480.  
1) Verbindung (aus Phenanthrenchinon u. Benzaldehyd). Sm. 329,5° (Soc. 37, 661). — III, 446.  
**C<sub>35</sub>H<sub>24</sub>O<sub>4</sub>** C 82,6 — H 4,7 — O 12,6 — M. G. 508.  
1) Dibenzoot d. Di[2-Oxynaphthyl]methan. Sm. 158—159° (B. 25, 3480). — II, 1152.  
**C<sub>35</sub>H<sub>24</sub>O<sub>9</sub>** C 71,4 — H 4,1 — O 24,5 — M. G. 588.  
1) Dibenzoot d. Katechuretin? (Bl. 4, 8). — III, 686.  
2) Tribenzoot d. Baptigenin. Sm. 208° (C. 1897 [2] 430).  
**C<sub>35</sub>H<sub>24</sub>N<sub>4</sub>** C 84,0 — H 4,8 — N 11,2 — M. G. 500.  
1) Base (aus 2,3,4,5-Tetraamido-1-Methylbenzolsulfat u. Benzil). Sm. 222 bis 225° (B. 23, 3218). — IV, 1306.  
**C<sub>35</sub>H<sub>25</sub>N** C 91,5 — H 5,4 — N 3,0 — M. G. 459.  
1) Pentaphenylpyridin. Sm. 239—240° (B. 26, 440). — IV, 478.  
**C<sub>35</sub>H<sub>26</sub>N<sub>2</sub>** C 88,6 — H 5,5 — N 5,9 — M. G. 474.  
1) 1,1'-Benzylidendi[2-Phenylindol]. Sm. 262—263° (B. 21, 1074). — IV, 413.  
**C<sub>35</sub>H<sub>26</sub>O<sub>2</sub>** C 87,5 — H 5,8 — O 6,7 — M. G. 480.  
1)  $\alpha$ -Diketo- $\alpha\beta\gamma\delta$ -Pentaphenylpentan (Benzamaron). Sm. 217—218° (Z. 1871, 127; B. 21, 1356, 2035; 26, 437, 444). — III, 313.  
2) Isobenzamaron. Sm. 179—180° (B. 26, 437). — III, 313.  
**C<sub>35</sub>H<sub>26</sub>O<sub>4</sub>** C 82,0 — H 5,5 — O 12,5 — M. G. 512.  
1) Dibenzoot d.  $\beta$ -Dioxy- $\beta$ -Dimethyltriphenylmethan. Sm. 91,5° (A. 257, 72). — II, 1152.  
**C<sub>35</sub>H<sub>26</sub>O<sub>11</sub>** C 67,3 — H 4,5 — O 28,2 — M. G. 624.  
1) Dibenzoot d. Katechin (Bl. 4, 6). — III, 686.  
**C<sub>35</sub>H<sub>26</sub>O<sub>17</sub>** C 58,2 — H 4,1 — O 37,7 — M. G. 722.  
1) Acetyllderivat d. Podophyloquercetin. Sm. 180—182° (B. 24 [2] 646). — III, 645.  
**C<sub>35</sub>H<sub>26</sub>N<sub>7</sub>** C 87,9 — H 6,3 — N 5,8 — M. G. 478.  
1) Dibenzylamarin. Sm. 139—140°. HCl, (2HCl, PtCl<sub>4</sub> + 2H<sub>2</sub>O), HJ, (HJ, J<sub>1</sub>) (B. 13, 1420; 15, 2329; 18, 1853). — III, 24.  
**C<sub>35</sub>H<sub>24</sub>O<sub>15</sub>** C 63,4 — H 5,1 — O 31,4 — M. G. 662.  
1) Hexacetat d.VerB. C<sub>21</sub>H<sub>24</sub>O<sub>15</sub> (aus 3,5-Dioxy-1-Methylbenzol oder C<sub>21</sub>H<sub>24</sub>O<sub>6</sub>). Sm. 185° (Am. 9, 135; Soc. 73, 401). — II, 962.  
**C<sub>35</sub>H<sub>24</sub>O<sub>17</sub>** C 57,9 — H 4,7 — O 37,4 — M. G. 726.  
1) Rubrophlobaphen (Z. 1870, 180). — III, 689.  
**C<sub>35</sub>H<sub>24</sub>N<sub>4</sub>** C 82,3 — H 6,7 — N 11,0 — M. G. 510.  
1)  $\beta$ -Di[4-Methylphenylamido]-1,4-Di[4-Methylphenylimido]-2-Methyl-1,4-DihydrobenzolP (B. 17, 82). — IV, 1246.  
**C<sub>35</sub>H<sub>25</sub>N<sub>5</sub>** C 80,0 — H 6,7 — N 13,3 — M. G. 525.  
1) Toluidinschwarz (B. 11, 1097). — III, 676.  
**C<sub>35</sub>H<sub>24</sub>N** C 88,4 — H 8,6 — N 2,9 — M. G. 475.  
1)  $\beta$ -Tri[4-Isopropylbenzyl]pyridin. Sm. 299—302° u. Zers. (A. 280, 70). — IV, 477.  
**C<sub>35</sub>H<sub>24</sub>N<sub>2</sub>** C 85,7 — H 8,6 — N 5,7 — M. G. 490.  
1) Benzyliden-3,5-Diisopropylindol. Sm. 162—165° u. Zers. (B. 21, 3435). — IV, 234.  
**C<sub>35</sub>H<sub>25</sub>O<sub>2</sub>** C 83,3 — H 10,3 — O 6,3 — M. G. 504.  
1) Benzoat d. Chironol. Sm. 186° (B. 28 [2] 1056).  
2) Benzoat d. Homocholesterin. Sm. 246° u. Zers. (G. 19, 211). — II, 1144.  
**C<sub>35</sub>H<sub>25</sub>O<sub>6</sub>** C 73,9 — H 9,2 — O 16,9 — M. G. 568.  
1) Verbindung (aus Lärchenschwammharz) (J. 1875, 862). — III, 560.  
**C<sub>35</sub>H<sub>25</sub>O<sub>2</sub>** C 82,7 — H 11,0 — O 6,3 — M. G. 508.  
1) Echiretin. Sm. 52° (A. 178, 73). — III, 630.  
**C<sub>35</sub>H<sub>26</sub>O<sub>4</sub>** C 77,8 — H 10,4 — O 11,8 — M. G. 540.  
1) Elemisäure. Sm. 215°. K + 18H<sub>2</sub>O, Ag (J. 1878, 983). — II, 1878.  
**C<sub>35</sub>H<sub>26</sub>O<sub>14</sub>** C 60,0 — H 8,0 — O 32,0 — M. G. 700.  
1) Digitalin (oder C<sub>6</sub>H<sub>8</sub>O<sub>2</sub>) (B. 31, 2461).

- C<sub>35</sub>H<sub>58</sub>O<sub>11</sub>** C 64,2 — H 8,9 — O 26,9 — M. G. 654.  
 1) neutr. **Pentaäthylester d. Cholecamphersäure** (*B. 19*, 1525). — I, 727.
- C<sub>35</sub>H<sub>58</sub>O<sub>14</sub>** C 59,9 — H 8,2 — O 31,9 — M. G. 702.
- C<sub>35</sub>H<sub>58</sub>O<sub>22</sub>** 1) **Perseithepatabutyrat** (*A. ch. [6]* 19, 13). — I, 424.  
 C 42,4 — H 5,9 — O 51,7 — M. G. 990.
- C<sub>35</sub>H<sub>58</sub>S** 1) **Arabinose** (*Soc. 45*, 54). — I, 1101.
- C<sub>35</sub>H<sub>58</sub>O<sub>4</sub>** 1) **Verbindung** (aus Asphalt). Sd. 225°. — III, 565.  
 C 76,1 — H 12,3 — O 11,6 — M. G. 552.
- 1) **Tritriakontan-*α*-Dicarbonsäure** (Dicyethylmalonsäure). Sm. 86—87°. Ag (*A. 208*, 364). — I, 691.
- C<sub>35</sub>H<sub>58</sub>O<sub>5</sub>** C 73,9 — H 12,0 — O 14,1 — M. G. 568.
- 1) **Glycerindipalmitin**. Sm. 59° (61°) (*A. ch. [3]* 41, 240; *Am. 6*, 226). — I, 444.
- C<sub>35</sub>H<sub>70</sub>O** C 83,0 — H 13,8 — O 3,2 — M. G. 506.
- 1) **Stearon**. Sm. 87,8° (88,4°) (*J. 1855*, 514; *B. 15*, 1715; *Soc. 57*, 538). — I, 1006.
- C<sub>35</sub>H<sub>70</sub>O<sub>2</sub>** C 80,5 — H 13,4 — O 6,1 — M. G. 522.
- 1) **Isoamylester d. Melissinsäure** C<sub>35</sub>H<sub>60</sub>O<sub>3</sub>. Sm. 69° (*A. 183*, 356). — I, 449.

### C<sub>35</sub>-Gruppe mit drei Elementen.

- C<sub>35</sub>H<sub>19</sub>O<sub>16</sub>N** C 68,5 — H 3,1 — O 26,1 — N 2,3 — M. G. 613.  
 1) **Tribenzoat d. *β*-Nitro-1,2,3-Trioxy-9,10-Anthrachinon**. Sm. 209° (*M. 18*, 299).
- C<sub>35</sub>H<sub>22</sub>O<sub>2</sub>N<sub>2</sub>** C 72,2 — H 3,8 — O 19,2 — N 4,8 — M. G. 582.
- 1) **1,5-Dibenzoat d. 1-Benzoylhydroxylamido-5-Hydroxylamido-9,10-Anthrachinon**. Sm. 223° (*B. 20*, 2936).
- C<sub>35</sub>H<sub>24</sub>ON<sub>4</sub>** C 81,4 — H 4,6 — O 3,1 — N 10,9 — M. G. 516.
- 1) **Verbindung** (aus Benzil). Sm. 242° (*B. 25*, 283). — III, 285.
- C<sub>35</sub>H<sub>26</sub>ON<sub>5</sub>** C 85,7 — H 5,3 — O 3,3 — N 5,7 — M. G. 490.
- 1) **2-Benzoyl-1,3,4,6-Tetraphenyl-1,2-Dihydro-1,2-Diazin**. Sm. 139 bis 140° (*A. 289*, 328). — IV, 1082.
- C<sub>35</sub>H<sub>26</sub>O<sub>2</sub>N<sub>2</sub>** C 83,0 — H 5,1 — O 6,3 — N 5,5 — M. G. 506.
- 1) **Dibenzoylamin**. Sm. oberh. 360° (*B. 18*, 3083). — III, 25.
- C<sub>35</sub>H<sub>26</sub>O<sub>3</sub>N<sub>4</sub>** C 76,3 — H 4,7 — O 8,7 — N 10,2 — M. G. 550.
- 1) **Verbindung** (aus d. 3-[2-Oxybenzyliden]amidobenzol-1-Carbonsäure) (*A. 218*, 188). — III, 74.
- C<sub>35</sub>H<sub>27</sub>O<sub>4</sub>N** C 80,0 — H 5,1 — O 12,2 — N 2,7 — M. G. 525.
- 1) **β-Nitro-*α*-Diketo-*αβγδε*-Pentaphenylpentan** (m-Nitrobenzamaron). Sm. 220° (*A. 275*, 58). — III, 313.
- C<sub>35</sub>H<sub>27</sub>O<sub>6</sub>N<sub>5</sub>** C 68,5 — H 4,4 — O 15,7 — N 11,4 — M. G. 613.
- 1) **Verbindung** (aus 2-Amidobenzol-1-Carbonsäure) (*J. pr. [2]* 36, 380). — II, 1246.
- C<sub>35</sub>H<sub>28</sub>ON<sub>2</sub>** C 85,4 — H 5,7 — O 3,2 — N 5,7 — M. G. 492.
- 1) **Benzylbenzoylamarin** (*B. 18*, 3084). — III, 25.
- 2) **isom. Benzoylbensylamarin**. Sm. 318° (*B. 18*, 3084). — III, 25.
- C<sub>35</sub>H<sub>28</sub>O<sub>3</sub>N<sub>2</sub>** C 80,1 — H 5,3 — O 9,2 — N 5,3 — M. G. 524.
- 1) **Imabenzil**. Sm. 194° (*J. pr. [1]* 35, 461; *B. 16*, 891; *A. 228*, 343; *Soc. 49*, 476). — III, 283.
- C<sub>35</sub>H<sub>28</sub>O<sub>4</sub>N<sub>4</sub>** C 74,0 — H 4,9 — O 11,3 — N 9,8 — M. G. 568.
- 1) **Verbindung** (aus Aceton u. 1-Phenylazo-2,4-Dioxy naphtalin). Sm. 245 bis 250° (*B. 21*, 2205). — IV, 1449.
- C<sub>35</sub>H<sub>29</sub>O<sub>3</sub>N<sub>5</sub>** C 77,9 — H 5,4 — O 8,9 — N 7,8 — M. G. 539.
- 1) **α-Benzoyldi[2-Benzoylamidobenzyl]amin**. Sm. 218° (*J. pr. [2]* 55, 362). — IV, 628.
- C<sub>35</sub>H<sub>29</sub>O<sub>4</sub>N<sub>2</sub>** C 75,7 — H 5,2 — O 11,5 — N 7,6 — M. G. 555.
- 1) **3'-Nitro-5',5'-Di[Benzoylamido]-2',2'-Dimethyltrifluorophenylmethan**. Sm. 146° (*B. 21*, 3211). — IV, 1047.
- 2) **4'-Nitro-5',5'-Di[Benzoylamido]-2',2'-Dimethyltrifluorophenylmethan**. Sm. 152° (*B. 21*, 3208). — IV, 1048.
- C<sub>35</sub>H<sub>29</sub>N<sub>2</sub>Cl** 1) **Chlorbenzylat d. Benzyllophin**. Sm. 235°. 2 + ZnCl<sub>2</sub> (*Soc. 67*, 36). — III, 27.

- C<sub>35</sub>H<sub>36</sub>ON<sub>2</sub>** C 85,0 — H 6,1 — O 3,2 — N 5,7 — M. G. 494.  
1) Dibenzyllophilaminonammoniumhydrat. Sm. 170°. Salze siehe (Soc. 67, 36). — III, 27.
- C<sub>35</sub>H<sub>36</sub>O<sub>2</sub>N<sub>2</sub>** C 82,3 — H 5,9 — O 6,3 — N 5,5 — M. G. 510.  
1) 6',6'-Di[Benzoylamido]-3',3'-Dimethyltriphenylmethan. Sm. 196° (J. pr. [2] 36, 261). — IV, 1047.
- C<sub>35</sub>H<sub>36</sub>O<sub>2</sub>N<sub>4</sub>** C 75,6 — H 5,7 — O 8,6 — N 10,0 — M. G. 556.  
1) Azurin. Sm. 250,5°. Pikrat (B. 11, 598). — IV, 620.
- C<sub>35</sub>H<sub>36</sub>O<sub>5</sub>N** C 76,8 — H 6,0 — O 14,6 — N 2,6 — M. G. 547.  
1) Saliretasin. Zers. über 300° (B. 27, 1802). — II, 1109.
- C<sub>35</sub>H<sub>36</sub>O<sub>5</sub>N<sub>2</sub>** C 74,5 — H 6,4 — O 14,2 — N 4,9 — M. G. 564.  
1) Diäthylester d.  $\alpha\beta$ -Di[Phenylamido]- $\gamma$ -Oxy- $\alpha\beta$ -Diphenyl- $\beta$ -Penten- $\beta\delta$ -Dicarbonsäure. Sm. 139° (B. 31, 1391).  
2) Diäthylester d.  $\alpha\beta$ -Di[Phenylamido]- $\gamma$ -Keto- $\alpha\beta$ -Diphenylpentan- $\beta\delta$ -Dicarbonsäure. Sm. 117—118° (B. 31, 1390).
- C<sub>35</sub>H<sub>36</sub>O<sub>9</sub>N<sub>2</sub>** C 66,9 — H 5,7 — O 22,9 — N 4,5 — M. G. 628.  
1) Acetylphloridzininanil (A. 156, 10). — III, 601.
- C<sub>35</sub>H<sub>36</sub>O<sub>6</sub>N<sub>2</sub>** C 72,1 — H 6,5 — O 16,5 — N 4,8 — M. G. 582.  
1) Monomethyläther d. Pseudomorphin + 7H<sub>2</sub>O. Sm. 257—260°. 2HCl + 4H<sub>2</sub>O, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> (A. 294, 211).
- C<sub>35</sub>H<sub>36</sub>O<sub>6</sub>N<sub>4</sub>** C 68,6 — H 6,5 — O 15,7 — N 9,1 — M. G. 612.  
1) Ergotinin. HCl, HBr (A. ch. [5] 17, 493; J. 1877, 943, 944). — III, 881.
- C<sub>35</sub>H<sub>36</sub>O<sub>6</sub>N<sub>3</sub>** C 69,6 — H 7,5 — O 15,9 — N 7,0 — M. G. 603.  
1) Yohimbenin. Sm. 135° (C. 1899 [1] 530).
- C<sub>35</sub>H<sub>40</sub>O<sub>11</sub>N** C 62,6 — H 6,7 — O 28,6 — N 2,1 — M. G. 671.  
1) Acetylalopaoconitin. Sm. 180—181° (Soc. 33, 324). — III, 773.
- C<sub>35</sub>H<sub>40</sub>O<sub>11</sub>N** C 61,0 — H 6,8 — O 30,2 — N 2,0 — M. G. 689.  
1) Diacetylbenzoylaconin (Soc. 67, 459). — III, 774.
- C<sub>35</sub>H<sub>40</sub>O<sub>4</sub>N<sub>3</sub>** 1) Capsaicin (C. 1897 [2] 593).
- C<sub>35</sub>H<sub>40</sub>O<sub>4</sub>N<sub>2</sub>** 1) Imperialin = (C<sub>35</sub>H<sub>36</sub>O<sub>4</sub>N<sub>2</sub>). Sm. 254°. HCl, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>4</sub>) (B. 21, 3284). — III, 887.
- C<sub>35</sub>H<sub>40</sub>O<sub>4</sub>Cl** 1) Glycerindipalmitochlorhydrin. Sm. 44° (A. ch. [3] 41, 240; B. 9, 1933). — I, 444.
- C<sub>35</sub>H<sub>40</sub>OBr<sub>2</sub>** 1) Dibromstearon. Sm. 72° (J. 1855, 517). — I, 1006.
- C<sub>35</sub>H<sub>40</sub>O<sub>3</sub>N** C 76,2 — H 12,5 — O 8,7 — N 2,5 — M. G. 551.  
1) Aesthesin (J. pr. [2] 25, 27). — III, 574.
- C<sub>35</sub>H<sub>72</sub>ON** C 80,6 — H 13,6 — O 3,1 — N 2,7 — M. G. 521.  
1) Stearoxinim. Sm. 62—63° (M. 5, 243). — I, 1037.
- C<sub>35</sub>H<sub>72</sub>ON<sub>2</sub>** C 78,4 — H 13,4 — O 3,0 — N 5,2 — M. G. 536.  
1) sym. Diheptadekylharnstoff. Sm. 75° (B. 21, 2491). — I, 1300.
- C<sub>35</sub>H<sub>72</sub>N<sub>2</sub>S** 1) sym. Diheptadekylthioharnstoff. Sm. 94° (B. 21, 2490). — I, 1321.

### C<sub>35</sub>-Gruppe mit vier Elementen.

- C<sub>35</sub>H<sub>72</sub>O<sub>2</sub>N<sub>2</sub>Cl** 1) Benzoylamarinbenzoylchlorid. Sm. 312° (B. 18, 3082). — III, 25.
- C<sub>35</sub>H<sub>72</sub>ON<sub>2</sub>Cl** 1) Benzoylamarinbenzoylchlorid. Sm. 340—350° (B. 18, 3084). — III, 25.
- 2) Chlorbenzylat d. Benzoylamarin. Sm. 351° (B. 18, 3083). — III, 25.
- C<sub>35</sub>H<sub>72</sub>O<sub>6</sub>N<sub>2</sub>S** 1) Verbindung (aus d. 4-Aethoxyphenylamid d. Benzolsulfinsäure). Sm. 158° (A. 265, 721). — II, 721.
- C<sub>35</sub>H<sub>72</sub>O<sub>5</sub>N<sub>2</sub>S** 1)  $\alpha$ -Di-d-Cocainthioharnstoff. Sm. 63° (B. 27, 1885). — III, 868.
- C<sub>35</sub>H<sub>72</sub>O<sub>11</sub>N<sub>2</sub>J** 1) Jodmethylat d. Acetylbenzoylakonin (J. d. Aconitin). Sm. 219,5° (Soc. 61, 404). — III, 773.
- C<sub>35</sub>H<sub>72</sub>O<sub>9</sub>N<sub>2</sub>J** 1) Jodallylat d. Veratrin + H<sub>2</sub>O. Sm. 235—236° (Am. 20, 372).

### C<sub>35</sub>-Gruppe mit fünf Elementen.

- C<sub>35</sub>H<sub>36</sub>O<sub>4</sub>N<sub>4</sub>ClFe** 1)  $\beta$ -Hämmin. — IV, 1619.

**C<sub>36</sub>-Gruppe mit zwei Elementen.**

C 84,4 — H 3,1 — O 12,5 — M. G. 512.  
1) **Verbindung** (aus Dianhydrosiketodihydroinden). Sm. noch nicht bei 320° (B. 31, 2089, 2937).



C 76,3 — H 3,9 — O 19,8 — M. G. 566.  
1) **Säure** (aus 2-[2-Oxynaphyl]benzol-1-Carbonsäure). Sm. 149° (B. 18, 305). — II, 2067.



C 74,2 — H 3,8 — O 22,0 — M. G. 582.  
1) **Tribenzocat d. Apigenin**. Sm. 210—212° (Soc. 71, 809).  
2) **Tribenzocat d. 7,8-Dioxy-2-[3-Oxyphenyl]-1,4-Benspyron**. Sm. 173° (B. 29, 2434).



C 72,2 — H 3,7 — O 24,1 — M. G. 598.  
1) **Dipulvinsäure**. Sm. 211° (B. 30, 1984; J. pr. [2] 57, 440).



C 76,1 — H 4,2 — O 19,7 — M. G. 568.  
1) **Dibenzocat d. α-Orcinphthalein**. Sm. 284—285° (B. 29, 2632).  
2) **Dibenzocat d. β-Orcinphthalein**. Sm. 244—245° (B. 29, 2637).



C 78,0 — H 4,7 — O 17,3 — M. G. 554.  
1) **Dibenzocat d. α-Kresolphthalein**. Sm. 195—196° (A. 202, 157). — II, 1987.



C 73,7 — H 4,4 — O 21,8 — M. G. 586.  
1) **Dibenzocat d. Brenzkatechinphthalindimethyläther** (B. 22, 2199). — II, 2065.



C 60,5 — H 3,6 — O 35,9 — M. G. 714.  
1) **Verbindung** (aus Lokansäure). Ba (B. 18, 3426). — III, 597.



C 86,2 — H 5,4 — N 8,4 — M. G. 501.  
1) **Nigrosin**. HCl (J. 1879, 1161). — III, 678.



C 81,7 — H 5,1 — N 13,2 — M. G. 529.  
1) **Phenylamidophenylindulin**. Sm. 245—250°. HCl (A. 266, 259; B. 29, 371). — IV, 1326.  
2) **Anilidophenylamidophenylindulin** (oder C<sub>45</sub>H<sub>32</sub>N<sub>5</sub>). Sm. 286—288°. HCl, HBr (Soc. 43, 117; A. 266, 261; B. 29, 370). — IV, 1327.  
3) **Phenylamidophenylmauvein**. Sm. 202° u. Zers. (A. 266, 207). — IV, 1285.  
4) **Verbindung** (aus 2-Amidodiphenylamin). Sm. 258—259° (B. 29, 1606). — IV, 1280.



C 85,0 — H 5,5 — O 9,4 — M. G. 508.  
1) **Verbindung** (aus Desoxybenzoin). Sm. 198° (A. 275, 81). — III, 226.



C 77,7 — H 5,0 — O 17,3 — M. G. 556.  
1) **Tribenzoylderivat d. αβγ-Trioxypantan-αγ-Diphenyläther**. Fl. (B. 19, 66). — II, 1146.



C 79,4 — H 5,2 — N 15,4 — M. G. 544.  
1) **Base** (aus Anilidophenylchinondimid). Sm. 235° (B. 26, 384). — IV, 1332.



C 81,3 — H 5,5 — N 13,2 — M. G. 531.  
1) **Phenylanilinschwarz**. HCl, (2HCl, PtCl<sub>4</sub>), HJ, Pikrat (B. 9, 1168; 11, 1096). — III, 676.



C 84,7 — H 5,9 — O 9,4 — M. G. 510.  
1) **Diacetyl-*l*-Isodypnopeninakolin**. Sm. 98° (Bl. [3] 15, 1177).



C 73,2 — H 5,1 — O 21,7 — M. G. 590.  
1) **Diäthylester d. αδ-Dibenzoxyl-αδ-Diphenyl-αγ-Butadien-βγ-Dicarbonsäure**. Sm. 204° (B. 30, 1997).



C 64,5 — H 4,5 — O 31,0 — M. G. 670.  
1) **Anhydrid d. Katechugerbsäure** C<sub>16</sub>H<sub>14</sub>O<sub>13</sub> (M. 2, 551). — III, 687.



2) **Anhydrid d. α-Usninsäure**. Sm. 189° (A. 284, 160). — II, 2057.  
C 60,2 — H 4,2 — O 35,6 — M. G. 718.



1) **Fisetinglykosid**. Sm. 213—217° (Soc. 71, 1196).  
C 77,1 — H 5,7 — O 17,1 — M. G. 560.



1) **Isobutylanhydrodibenzilacetessigsäure**. Sm. 237°. Ba, Ag (Soc. 69, 740).  
2) **Aethylester d. Aethylanhydrodibenzilacetessigsäure**. Sm. 167° (Soc. 69, 738).

- $C_{36}H_{32}O_{10}$  C 69,2 — H 5,1 — O 25,6 — M. G. 624.  
 1) **Tetrabenzosäure d. Inositdimethyläther.** Sm. 250° (A. ch. [6] 12, 568). — II, 1143.
- $C_{36}H_{32}O_{14}$  C 62,8 — H 4,6 — O 32,6 — M. G. 688.
- $C_{36}H_{34}O_8$  1) **Anhydrid d. Katechugerbsäure**  $C_{36}H_{34}O_8$  (M. 2, 551). — III, 687.  
 C 72,7 — H 5,7 — O 21,5 — M. G. 594.
- $C_{36}H_{34}O_{15}$  1) **Dibenzosäure d. Aloresinotannol** (C. 1898 [2] 118).  
 C 61,2 — H 4,8 — O 34,0 — M. G. 706.
- $C_{36}H_{34}O_{17}$  1) **Katechugerbsäure** (M. 2, 551). — III, 687.  
 C 58,5 — H 4,6 — O 36,9 — M. G. 738.
- $C_{36}H_{34}O_{20}$  1) **Lävulose-Phloroglucid.** Zers. bei 250° (B. 28, 26; C. 1896 [2] 485).  
 C 55,0 — H 4,3 — O 40,7 — M. G. 786.
- $C_{36}H_{36}N_5$  1) **Hexacetylcarminäsäure.** Sm. 210° u. Zers. (B. 30, 1760, 1765).  
 C 80,4 — H 6,5 — N 13,0 — M. G. 537.  
 1) **Phenyltetra[2-Methylphenyl]diguaniid.** Sm. 111°. (2HCl, PtCl<sub>4</sub>) (A. 286, 367).
- $C_{36}H_{36}O_6$  C 76,6 — H 6,4 — O 17,0 — M. G. 564.
- $C_{36}H_{36}O_{15}$  1) **Diisoeugenolacetophenon.** Sm. 119—120° (B. 27, 2463). — III, 133.  
 C 61,0 — H 5,1 — O 33,9 — M. G. 708.
- $C_{36}H_{36}O_{21}$  1) **Gyrophorsäure** (A. 70, 218; 300, 356). — II, 1754.  
 C 53,7 — H 4,4 — O 41,8 — M. G. 804.
- $C_{36}H_{36}N_6$  1) **Lokansäure.** NH<sub>4</sub>, Ba, Pb (B. 18, 3421). — III, 597.  
 C 78,3 — H 6,5 — N 15,2 — M. G. 552.
- $C_{36}H_{38}O_4$  1) **Verbindung** (aus Phenylhydrazonecarbodi-p-Tolylamin). Sm. 163°. 3 + 4HCl, (3 + 4HCl + 2P(Cl)<sub>5</sub>) (B. 21, 2276). — IV, 1226.  
 C 80,9 — H 7,1 — O 12,0 — M. G. 524.
- $C_{36}H_{38}O_9$  1) **Dibenzosäure d. Dithymoläthan.** Sm. 190° (B. 11, 288). — II, 1152.  
 C 55,8 — H 4,9 — O 39,3 — M. G. 774.
- $C_{36}H_{40}O_{16}$  1) **d-Galaktose-Phloroglucid.** Zers. bei 210° (B. 28, 26).  
 $C_{36}H_{40}O_6$  2) **d-Mannose-Phloroglucid** (B. 28, 26).
- $C_{36}H_{40}O_8$  1) **Pikrotoxin.** siehe  $C_{15}H_{16}O_8$ . — III, 643.  
 C 75,8 — H 7,4 — O 16,8 — M. G. 570.
- $C_{36}H_{40}O_9$  1) **Helleborin** (oder  $C_8H_{16}O$ ). Sm. oberh. 250° u. Zers. (A. 135, 61; C. 1897 [2] 764). — III, 593.  
 C 61,4 — H 6,8 — O 31,8 — M. G. 704.
- $C_{36}H_{40}O_{25}$  1) **Anhydrid d. Betulinamarsäure.** Sm. 181° (A. 182, 375). — III, 621.  
 C 49,0 — H 5,6 — O 45,4 — M. G. 882.
- $C_{36}H_{41}N$  1) **Caramelen.** BaO, PbO (A. ch. [3] 52, 365). — I, 1106.  
 C 86,9 — H 10,3 — N 2,8 — M. G. 497.
- $C_{36}H_{39}O_2$  1) **Cholesteryl-1-Naphtylamin.** Sm. 202° (J. r. 10, 356). — II, 600.  
 C 83,7 — H 10,1 — O 6,2 — M. G. 516.
- $C_{36}H_{39}O_3$  1) **Cinnamylat d. Cholesterin.** Sm. 149° (II. 22, 403).
- $C_{36}H_{39}O_{16}$  1) **Betulinamarsäure.** Ca<sub>2</sub>, Pb<sub>2</sub>, Cu<sub>2</sub> (A. 182, 375). — III, 621.  
 C 58,4 — H 7,0 — O 34,6 — M. G. 740.
- $C_{36}H_{39}O_2$  1) **Cinnamylat d. Koprosteron.** Sm. 169° (II. 22, 401).  
 C 83,4 — H 10,4 — O 6,2 — M. G. 518.
- $C_{36}H_{39}O_6$  1) **Betulinsäure.** Sm. 195°. Pb<sub>2</sub> (A. 182, 375). — III, 621.  
 2) **Triacetat d. Gentiol.** Sm. 175—180° (M. 12, 483). — III, 633.  
 C 53,6 — H 6,7 — O 39,7 — M. G. 806.
- $C_{36}H_{39}O_{20}$  1) **Dekaäthylester d. Hexan- $\alpha\beta\gamma\delta\epsilon\zeta$ -Dekacarbonsäure.** Fl. (B. 21, 2115). — I, 873.
- $C_{36}H_{39}S$  1) **Verbindung** (aus Asphalt). Sd. 205°. — III, 565.
- $C_{36}H_{39}Br_3$  1) **Verbindung** (aus Sterosin) (A. 189, 356). — III, 562.
- $C_{36}H_{39}O_4$  1) **Diäthylester d. Chinovasäure.** Sm. 127—130° (B. 17, 869). — II, 1860.  
 C 74,0 — H 9,6 — O 16,4 — M. G. 584.
- $C_{36}H_{39}O_{15}$  1) **Dekacarbonsäure d. Chinovasäure.** Sm. 127—130° (B. 17, 869). — II, 1860.  
 C 55,7 — H 7,2 — O 37,1 — M. G. 776.
- $C_{36}H_{39}O_{19}$  1) **Cyclamin.** siehe  $C_{36}H_{39}O_{19}$ . — III, 579.  
 C 54,5 — H 7,1 — O 38,4 — M. G. 792.
- $C_{36}H_{39}S$  1) **Cyclamsäure** (J. 1887, 2305). — III, 579.
- $C_{36}H_{39}O_3$  1) **Verbindung** (aus Asphalt). Sd. 233°. — III, 565.  
 C 82,8 — H 11,1 — O 6,1 — M. G. 522.  
 1) **Desoxyphoropinakon.** Sm. 194—195° (A. 296, 323).  
 2) **Anhydrid d. Betulin.** — III, 621.

- C<sub>36</sub>H<sub>58</sub>O<sub>3</sub>** C 80,3 — H 10,8 — O 8,9 — M. G. 538.  
 1) *α*-Storesin. Sm. 160—168°. K (A. 188, 208; 189, 356; B. 15, 2624). — III, 562.  
 2) *β*-Storesin. Sm. 140—145°. K (A. 188, 209, 210). — III, 562.  
**C<sub>36</sub>H<sub>58</sub>O<sub>15</sub>** C 59,2 — H 7,9 — O 32,9 — M. G. 730.  
 1) Verbindung (aus Calcinin) (Z. 1867, 538). — III, 573.  
**C<sub>36</sub>H<sub>58</sub>O<sub>29</sub>** C 45,3 — H 6,1 — O 48,6 — M. G. 954.  
 1) Flohsamenschleim (A. 51, 48; 175, 219; 248, 143). — I, 1103.  
**C<sub>36</sub>H<sub>58</sub>S** 1) Verbindung (aus Asphalt). Sd. 221°. — III, 565.  
**C<sub>36</sub>H<sub>60</sub>O<sub>2</sub>** C 82,4 — H 11,4 — O 6,2 — M. G. 524.  
 1) *α*-Lactucerol + 2H<sub>2</sub>O. Sm. 166—181° (A. 234, 243; 244, 270). — II, 1067.  
 2) *β*-Lactucerol + 2H<sub>2</sub>O (A. 234, 249). — II, 1068.  
**C<sub>36</sub>H<sub>60</sub>O<sub>3</sub>** C 80,0 — H 11,1 — O 8,9 — M. G. 540.  
**C<sub>36</sub>H<sub>60</sub>O<sub>5</sub>** C 75,5 — H 10,5 — O 14,0 — M. G. 572.  
 1) Verbindung (aus Dammarharz). K. — III, 555.  
**C<sub>36</sub>H<sub>60</sub>O<sub>30</sub>** C 44,4 — H 6,2 — O 49,4 — M. G. 972.  
 1) Fongose (Bl. [3] 17, 926).  
**C<sub>36</sub>H<sub>60</sub>O<sub>31</sub>** C 43,7 — H 6,1 — O 50,2 — M. G. 988.  
 1) Oxycellulose (A. 267, 368); siehe auch A. 272, 289; Soc. 43, 22.  
**C<sub>36</sub>H<sub>62</sub>O<sub>7</sub>** C 71,3 — H 10,2 — O 18,5 — M. G. 606.  
 1) Verbindung (aus Dammarharz). — III, 555.  
**C<sub>36</sub>H<sub>62</sub>O<sub>31</sub>** C 43,6 — H 6,3 — O 50,1 — M. G. 970.  
 1) Achroodextrin (oder C<sub>6</sub>H<sub>10</sub>O<sub>6</sub>) (H. 2, 188; B. 28, 2537, 2545). — I, 1090.  
 2) Amylodextrin + H<sub>2</sub>O (Z. 1869, 446; 1870, 346; J. 1874, 881; H. 2, 188; J. pr. [2] 28, 497; A. 210, 299; B. 28, 2537, 2544). — I, 1089.  
 3) Cyclamose (C. 1897 [1] 230).  
 4) Inulin. + 3BaO (B. 28 [2] 233).  
 5) Laktosin + H<sub>2</sub>O (B. 17, 686). — I, 1104.  
 6) *α*-Maltodextrin (Soc. 71, 514).  
**C<sub>36</sub>H<sub>64</sub>O<sub>8</sub>** C 69,2 — H 10,2 — O 20,5 — M. G. 624.  
 1) Phyllinsäure (Bl. 28, 148). — II, 2112.  
**C<sub>36</sub>H<sub>66</sub>O<sub>5</sub>** C 74,7 — H 11,4 — O 13,8 — M. G. 578.  
 1) Betuloretinsäure. Sm. 94°. Ag. — I, 778.  
 2) einbas. Dericinusölsäure (Bl. [3] 11, 280; B. 24 [2] 72).  
 3) zweibas. Dericinusölsäure. Fl. (Bl. [3] 11, 282).  
**C<sub>36</sub>H<sub>66</sub>O<sub>31</sub>** C 43,5 — H 6,6 — O 49,9 — M. G. 994.  
 1) Gentianose. Sm. 210° (207—209°) (H. 6, 137; Bl. [3] 19, 200). — I, 1071.  
**C<sub>36</sub>H<sub>68</sub>O<sub>5</sub>** C 74,5 — H 11,7 — O 13,8 — M. G. 580.  
 1) Ceropinsäure? Ba + H<sub>2</sub>O (J. 1853, 570). — I, 772.  
**C<sub>36</sub>H<sub>70</sub>O<sub>4</sub>** C 76,3 — H 12,4 — O 11,3 — M. G. 566.  
 1) Dicetylester d. Bernsteinäsure. Sm. 58° (J. 1859, 406). — I, 656.  
**C<sub>36</sub>H<sub>72</sub>O<sub>5</sub>** C 74,2 — H 12,0 — O 13,7 — M. G. 582.  
 1) Anhydrid d. *β*-Oxyheptadekan-*α*-Carbonsäure. Fl. (J. r. 18, 47). — I, 579.  
**C<sub>36</sub>H<sub>72</sub>O<sub>7</sub>** C 70,4 — H 11,4 — O 18,2 — M. G. 614.  
 1) Anhydrodioxystearinsäure. Sm. 50—55° (Bl. [3] 13, 240).  
 2) Verbindung (aus Dioxystearinsäure u. Ricinusölsäure). Sm. 70—73° (Bl. [3] 11, 283).  
**C<sub>36</sub>H<sub>72</sub>O<sub>8</sub>** C 83,1 — H 13,8 — O 3,1 — M. G. 520.  
 1) Alkohol (aus Cochenillefett). Sm. 66,6° (M. 6, 893). — I, 256.

### C<sub>36</sub>-Gruppe mit drei Elementen.

- C<sub>36</sub>H<sub>6</sub>O<sub>2</sub>N<sub>14</sub>** C 40,5 — H 0,6 — O 40,5 — N 18,4 — M. G. 1066.  
 1) Salpetersaures Tetraresorufin (A. 162, 283; siehe auch B. 17, 1865; 18, 587). — II, 934.  
**C<sub>36</sub>H<sub>10</sub>O<sub>1</sub>N<sub>4</sub>** C 69,7 — H 3,2 — O 18,1 — N 9,0 — M. G. 620.  
 1) Verbindung (aus 1,4-Dioxybenzol-2,3,5,6-Tetracarbonsäureanhydrodi-phenylhydrazid). Sm. 140° (A. 258, 280). — IV, 733.  
**C<sub>36</sub>H<sub>21</sub>O<sub>1</sub>Cl<sub>12</sub>** 1) Tridekachlorälvulosephloroglucid (C. 1896 [2] 485).  
**C<sub>36</sub>H<sub>23</sub>O<sub>1</sub>Br<sub>11</sub>I** 1) Undekabromälvulosephloroglucid (C. 1896 [2] 485).

- $C_{50}H_{24}O_7N_6$  C 75,5 — H 4,2 — O 5,6 — N 14,7 — M. G. 572.  
 1)  $\beta$ -Naphtolazo-p-Benzolazo- $\alpha$ -Naphtalinazo- $\beta$ -Naphtol. Sm. oberh. 295° (Soc. 43, 437). — IV, 1439.
- $C_{50}H_{24}O_7S_2$  1) Verbindung (aus Rubbadin) (B. 25, 1892). — II, 658.
- $C_{50}H_{24}O_7N_5$  C 65,5 — H 3,8 — O 24,3 — N 6,4 — M. G. 659.  
 1) Triphenylamidoformiat d. Quercetin. Sm. 200—205° (B. 18, 2609). — III, 605.
- $C_{50}H_{26}O_5N_4$  C 74,7 — H 4,5 — O 11,1 — N 9,7 — M. G. 578.  
 1) Diacetat d. 1,1'-Dioxy-4,4'-Diphenylazo-2,2'-Binaphthyl. Sm. 264 bis 265° (B. 30, 2661). — IV, 1428.
- $C_{50}H_{27}ON_3$  C 83,5 — H 5,2 — O 3,1 — N 8,1 — M. G. 517.  
 1) Phthalylidiphenylaspartid (2 Modif.).  $\alpha$ -Modif. Sm. 273°;  $\beta$ -Modif. Sm. 285—286° (G. 18, 19). — II, 1812.
- $C_{50}H_{27}O_1Cl_2$  1) Tetrabenzosäure d. Chloralose. Sm. 138° (Bl. [3] 11, 38). — II, 1143.
- $C_{50}H_{27}O_1N_2$  2) Tetrabenzosäure d. Parachloralose (Bl. [3] 11, 41).
- $C_{50}H_{28}O_7N_2$  C 83,1 — H 5,4 — O 6,1 — N 5,4 — M. G. 520.  
 1)  $\alpha\beta$ -Di[Benzoyl-2-Naphtylamido]äthan. Sm. 202—203° (B. 25, 3270). — II, 1169.
- $C_{50}H_{28}O_5N_2$  C 76,1 — H 4,9 — O 14,1 — N 4,9 — M. G. 568.  
 1) Benzoat d.  $\alpha$ -Dibenzoylamido- $\beta$ -(Benzoyl-2-Oxyphenylamido)äthan. Sm. 63—65° (B. 27, 932). — II, 1176.
- $C_{50}H_{28}O_6N_4$  C 70,6 — H 4,6 — O 15,7 — N 9,1 — M. G. 612.  
 1) Verbindung (aus Benzylamidoessigsäureäthylester). Ca, Ba (B. 22, 1961; 25, 1570). — II, 1186.
- $C_{50}H_{28}O_9N_{14}$  C 54,0 — H 3,5 — O 18,0 — N 24,5 — M. G. 800.  
 1) Hydridomidotetraazoresorufin + H<sub>2</sub>O (A. 162, 287, siehe auch B. 18, 588). — II, 934.
- $C_{50}H_{29}O_4N_3$  C 76,2 — H 5,1 — O 11,3 — N 7,4 — M. G. 567.  
 1) 1,1,1-Trinaphtylamid d. Citronensäure. Sm. 129° (B. 19, 2617). — II, 612.  
 2) 2,2,2-Trinaphtylamid d. Citronensäure. Sm. 215° (B. 19, 2615). — II, 621.
- $C_{50}H_{29}O_1N_3$  C 65,2 — H 4,4 — O 24,1 — N 6,3 — M. G. 663.  
 1) Tetrabenzoyledisuccinimidodihydroxamsäure. Sm. 123° (B. 24, 3437). — II, 1210.
- $C_{50}H_{30}ON_4$  C 80,9 — H 5,6 — O 3,0 — N 10,5 — M. G. 534.  
 1) Acetyl derivat d.  $\alpha\delta$ -Di[Phenylhydrazone] $\alpha\beta\delta$ -Triphenyl- $\beta$ -Buten. Sm. 110—120° u. Zers. (A. 269, 127). — IV, 786.
- $C_{50}H_{30}OP_7$  1) Oxyd (aus Triphenyloxyporphosphoniumhydrat). Sm. 153,5°; Sd. oberh. 360° (B. 15, 803; 18, 2120; A. 229, 305). — IV, 1659.
- $C_{50}H_{30}O_2N_4$  C 78,5 — H 5,4 — O 5,8 — N 10,2 — M. G. 550.  
 1) 2,2'-Di[2-Oxy-1-Naphthylazo]-3,5,3',5-Tetramethylbiphenyl (B. 28, 2802). — IV, 1439.
- $C_{50}H_{30}O_4N_2$  C 78,0 — H 5,4 — O 11,5 — N 5,1 — M. G. 554.  
 1) 2-Nitrophenyldi- $\beta$ -Benzoyl- $\alpha$ -Phenyläthyl]amin (Dibenzalacetophenon-2-Nitranilin). Sm. 243° (B. 31, 351).  
 2) 3-Nitrophenyldi[ $\beta$ -Benzoyl- $\alpha$ -Phenyläthyl]amin. Sm. 238—240° u. Zers. (B. 31, 351).  
 3) 4-Nitrophenyldi[ $\beta$ -Benzoyl- $\alpha$ -Phenyläthyl]amin. Sm. 251—252° (B. 31, 351).
- $C_{50}H_{30}O_5N_5$  1) Isatinblau? Zers. bei 230° (B. 24, 1369). — IV, 16.  
 $C_{50}H_{30}O_7N_2$  C 71,7 — H 5,0 — O 18,6 — N 4,6 — M. G. 602.  
 1) Benzylidenchinoxineäure. Sm. 270°. Ag<sub>2</sub> (A. 276, 280). — IV, 362.
- $C_{50}H_{30}O_9N_4$  C 65,2 — H 4,5 — O 21,8 — N 8,5 — M. G. 662.  
 1) Hydrodiazoresorufin. 3HCl (A. 162, 279).
- $C_{50}H_{31}O_1N_3$  C 61,8 — H 4,7 — O 27,5 — N 6,0 — M. G. 466.  
 1) Triäthylester d. Tricarbanilidphloroglucintricarbonsäure. Zers. bei 155° (Sm. 195°) (B. 23, 271). — II, 2089.
- $C_{50}H_{34}O_6N_2$  C 73,0 — H 6,1 — O 16,2 — N 4,7 — M. G. 592.  
 1) Tetraäthylbenzidindiphitalsäure. Ag<sub>2</sub> (A. 258, 365). — IV, 967.
- $C_{50}H_{34}O_6N_6$  1) Tri[Phtalylpiperazin] (J. pr. [2] 53, 22).
- $C_{50}H_{38}O_5N_4$  C 71,3 — H 6,3 — O 13,2 — N 9,2 — M. G. 606.  
 1) Tetracetyl derivat d. Base  $C_{28}H_{34}ON_4$  (aus Benzylenimid) (B. 28, 1652).

- $C_{26}H_{19}O_6N_2$ , C 56,2 — H 5,1 — O 33,3 — N 5,4 — M. G. 769.  
 1) Säure (aus Polyporus ignarius) (*A. 275*, 91).  
 $C_{26}H_{20}O_6N_2$ , C 72,5 — H 6,7 — O 16,1 — N 4,7 — M. G. 596.  
 1) Dimorphinäthylenäther. Sm. 188° (*C. 1899* [1] 705).  
 2) Dieodäthin (Aethylenäther d. Morphin). Zers. oberh. 200° (*A. ch.* [5] 27, 281). — *III*, 908.  
 $C_{26}H_{19}O_6N_2$ , C 70,6 — H 6,5 — O 18,3 — N 4,6 — M. G. 612.  
 1) Acetylomorphin. (2HCl, PtCl<sub>4</sub>) (*Soc. 27*, 1038). — *III*, 899.  
 $C_{26}H_{20}O_6N_2$ , C 72,2 — H 7,0 — O 16,0 — N 4,7 — M. G. 598.  
 1) Dicodein + 2H<sub>2</sub>O. 2HCl + 6H<sub>2</sub>O (*Soc. 25*, 506; *28*, 312, 696; *A. 77*, 357). — *III*, 906.  
 $C_{26}H_{21}O_6N_2$ , C 58,9 — H 5,8 — O 21,8 — N 13,4 — M. G. 733.  
 1) Uromelanin (*J. 1868*, 828; *H. 8*, 89; *Bl. 51*, 159). — *III*, 666.  
 $C_{26}H_{24}O_6S_2$ , 1) Verbindung (aus Thiophenol u. Dehydrocholsäure). Sin. bei 220° (*B. 20*, 1980). — *II*, 1969.  
 $C_{26}H_{44}O_6N_2$ , C 68,3 — H 7,0 — O 20,2 — N 4,4 — M. G. 632.  
 1) Methylpseudomorphin (*B. 13*, 93). — *III*, 911.  
 $C_{26}H_{46}O_6N_2$ , C 68,6 — H 7,3 — O 15,2 — N 8,9 — M. G. 630.  
 1) Di[Phenylhydrazid] d. Biliansäure (*B. 20*, 1985). — *IV*, 731.  
 $C_{26}H_{47}O_6N$ , C 64,6 — H 7,0 — O 26,3 — N 2,1 — M. G. 669.  
 1) Apopseudoaconitin + H<sub>2</sub>O. Sin. 102—103° (wasserfrei). (HCl, AuCl<sub>4</sub>, HNO<sub>3</sub>) (*Soc. 33*, 151). — *III*, 775.  
 $C_{26}H_{49}O_6N$ , C 62,9 — H 7,1 — O 28,0 — N 2,0 — M. G. 687.  
 1) Pseudoaconitin + H<sub>2</sub>O (Acetylveratrylpseudoaconitin). Sm. 210—212° (104—105%). (HCl, AuCl<sub>4</sub>, HBr + 2H<sub>2</sub>O, HJ, (HJ, HgJ<sub>2</sub>), HNO<sub>3</sub> + 3H<sub>2</sub>O. CHNS) (*Soc. 33*, 151; *71*, 351; *B. 20*, 854; *C. 1895* [1] 1185; *1895* [2] 536). — *III*, 775.  
 $C_{26}H_{51}O_6N$ , C 72,8 — H 8,6 — O 16,2 — N 2,4 — M. G. 593.  
 1) Diacetat d. Glycyrhettin. Sm. 217° (*J. 1880*, 1030). — *III*, 592.  
 $C_{18}H_{39}O_6Br_4$ , 1)  $\alpha\beta$ -Dibrom- $\beta$ -Phenylpropionat d. Dibromcholesterin. Sm. 130° (*H. 22*, 403).  
 $C_{26}H_{54}O_6Br_2$ , 1)  $\alpha\beta$ -Dibrom- $\beta$ -Phenylpropionat d. Koprosterin. Sm. 165—166° (*H. 22*, 402).  
 $C_{26}H_{54}O_6N_2$ , C 70,8 — H 8,8 — O 15,7 — N 4,6 — M. G. 610.  
 1) Triäthylester d. Phenylhydroncholansäure (*B. 25*, 315).  
 $C_{26}H_{54}O_6N_2$ , C 51,8 — H 6,5 — O 38,4 — N 3,3 — M. G. 834.  
 1) Verbindung (aus Milchzucker u. Amidobenzol) (*B. 4*, 836). — *II*, 448.  
 $C_{26}H_{55}O_6N_2$ , 1) Cynoconitin. Sm. 137° (*C. 1895* [1] 1185).  
 $C_{26}H_{57}O_6N_2$ , C 60,8 — H 7,9 — O 29,2 — N 2,0 — M. G. 711.  
 1) Glycyrrhizinbitter (*J. 1880*, 1031). — *III*, 592.  
 $C_{26}H_{61}O_6Cl$ , 1) Verbindung (aus Dammarharz). — *III*, 555.  
 $C_{26}H_{62}O_6S_2$ , 1) Säure (aus  $\beta$ -Chlorcampher). Ba<sub>2</sub> (*Bl. [3] 4*, 722). — *III*, 499.  
 $C_{26}H_{69}O_7N_19$ , C 49,1 — H 7,8 — O 12,7 — N 30,3 — M. G. 879.  
 1) Sturin. 4 + 11H<sub>2</sub>SO<sub>4</sub> (*C. 1898* [1] 1061; *H. 25*, 173).  
 $C_{36}H_{72}O_6N_2$ , C 76,6 — H 12,8 — O 5,7 — N 4,9 — M. G. 564.  
 1) sym. Septdekylstearylarnstoff. Sm. 112° (*B. 15*, 761). — *I*, 1304.

 $C_{36}$ -Gruppe mit vier Elementen.

- $C_{36}H_{70}O_6Br_4S_2$ , 1) Verbindung (aus Rubbadin) (*B. 25*, 1892). — *II*, 658.  
 $C_{36}H_{72}O_6N_4Br_2$ , 1) Verbindung (aus  $C_{34}H_{22}O_6N_4$ ). Sin. 240—241° (*B. 25*, 1186). — *II*, 1186.  
 $C_{18}H_{72}O_6N_7Br$ , 1) Verbindung (aus 1,3-Dioxybenzol) (*B. 17*, 1873). — *II*, 915.  
 $C_{18}H_{72}O_6N_7S_2$ , 1) Trisulfonbiphenylstickoxyd. Sm. 178° (*B. 13*, 389). — *II*, 226.  
 $C_{36}H_{70}O_7N_1P$ , 1) 2-Naphtylamid d. Phosphorsäuretri[Oxyessigsäure]. Sin. 192 bis 196° (*A. 279*, 69).  
 $C_{36}H_{72}O_6N_7Cl_5$ , 1) Pentachlорuromelanin (*J. 1868*, 829). — *III*, 666.  
 $C_{36}H_{74}O_6N_7J_2$ , 1) Dijodmethylat d. Pseudomorphin + 4H<sub>2</sub>O (*B. 13*, 93). — *III*, 911.  
 $C_{36}H_{72}O_9N_14Cl_9$ , 1) Salzaures Hydramidotetrazoressorufin (*A. 162*, 286; siehe auch *B. 18*, 587). — *II*, 934.  
 $C_{36}H_{52}O_6N_13Br_2$ , 1) Tribromcynoconitin (*C. 1895* [1] 1185).

- $C_{37}H_{40}O_6N_2Br_2$  1) Verbindung (aus Horn) (*J. 1879*, 871). — **IV, 1585.**  
 $C_{36}H_{42}O_6N_2Br_2$  1) Verbindung (aus Fleisch) (*J. 1879*, 870). — **IV, 1585.**  
 $C_{34}H_{40}O_6Fe$  1) Imidoferrocyanwasserstoffisoamyläther.  $2HCl$  (*B. 21*, 935). — **I, 1459.**

### $C_{37}$ -Gruppe mit zwei Elementen.

- $C_{37}H_{40}O_5$  C 74,2 — H 4,3 — O 21,4 — M. G. 598.  
1) Tribenzosat d. Di[4,6-Dioxy-2-Methylphenyl]essigsäurelakton. Zers. bei  $200^\circ$  (*Soc. 73*, 401).  
 $C_{37}H_{42}N_2$  C 82,1 — H 5,0 — N 12,9 — M. G. 541.  
1) **Benzylidenamidophenylindulin.** Sm. 261—262° (*A. 286*, 201). — **IV, 1326.**  
 $C_{37}H_{42}N_3$  C 86,2 — H 5,6 — N 8,2 — M. G. 515.  
1) **Triphenylmauvanilin** (*Z. 1867*, 237). — **III, 678.**  
 $C_{37}H_{42}N_2$  C 88,4 — H 6,0 — N 5,6 — M. G. 502.  
1) **Benzylidendi-(7-Methyl-2-Phenylindol).** Sm. 255—256° (*B. 25*, 2871). — **IV, 417.**  
 $C_{37}H_{42}O_{10}$  C 69,6 — H 5,3 — O 25,1 — M. G. 638.  
1) **Tetrabenzosat d. Anhydro- $\alpha\beta\gamma\delta$ -Trioxy- $\beta\beta\delta$ -Tetra[Oxymethyl]pentan.** Sm. 153—154° (*B. 27*, 1089; *A. 289*, 50). — **II, 1143.**  
 $C_{37}H_{42}O_{11}$  C 67,9 — H 5,2 — O 26,9 — M. G. 654.  
1) **Tribenzosat d. Coniferin.** Sm. 80° (*H. 14*, 367). — **III, 577.**  
 $C_{37}H_{42}O$  C 89,5 — H 7,3 — O 3,2 — M. G. 496.  
1) Verbindung (aus Benzolcarbonsäureäthylester). Sd. über 350° (*J. pr. [2] 4*, 448). — **II, 1139.**  
 $C_{37}H_{42}N_7$  C 87,1 — H 7,4 — N 5,5 — M. G. 510.  
1) **4',4'-Di[Aethylbenzylamido]triphenylmethan.** Sm. 115—116° (*B. 22*, 589). — **IV, 1044.**  
2) **Base** (aus Benzaldehyd u. Aethylphenylhydrazin u. Benzylchlorid). ( $2HCl$ ,  $PtCl_4$ ) (*A. 252*, 276). — **IV, 1044.**  
 $C_{37}H_{40}O_{17}$  C 58,7 — H 5,3 — O 36,0 — M. G. 756.  
1) **Hexacyanbaloïn** (*Bl. 18*, 182). — **III, 618.**  
 $C_{37}H_{40}O_{25}$  C 49,7 — H 5,6 — O 44,7 — M. G. 894.  
1) **Farbstoff** (aus d. Weichselkirsche) (*J. 1870*, 879). — **III, 615.**  
 $C_{37}H_{42}O_4$  C 79,3 — H 9,3 — O 11,4 — M. G. 560.  
1) **Benzosat d. Ursin.** Sm. 214° (*M. 14*, 261). — **III, 649.**  
 $C_{37}H_{42}O_2$  C 83,8 — H 10,2 — O 6,0 — M. G. 530.  
1) **Benzosat d.  $\alpha$ -Amyrin.** Sm. 192° (*B. 20*, 1244; *23*, 3189). — **III, 556.**  
2) **Benzosat d.  $\beta$ -Amyrin.** Sm. 230° (*B. 20*, 1245; *23*, 3189; *A. 271*, 218). — **III, 556.**  
 $C_{37}H_{42}O_{18}$  C 56,3 — H 7,1 — O 36,5 — M. G. 788.  
1) **Helleborin,** siehe auch  $C_{36}H_{44}O_{18}$  (*C. 1897* [2] 764).  
 $C_{37}H_{40}O_2$  C 81,9 — H 12,2 — O 5,9 — M. G. 542.  
1) **Myricylester d. Benzolcarbonsäure.** Sm. 70° (*Bl. [3] 11*, 186).  
 $C_{37}H_{40}O_4$  C 77,3 — H 11,5 — O 11,1 — M. G. 574.  
1) **Dimyricylester d. Oxalsäure.** Sm. 91° (*Bl. [3] 11*, 186).  
 $C_{37}H_{40}O_{18}$  C 55,5 — H 8,5 — O 36,0 — M. G. 800.  
1) **Bryoresin** (*Bl. [3] 9*, 1055). — **III, 573.**

### $C_{37}$ -Gruppe mit drei Elementen.

- $C_{37}H_{42}ON_3$  C 84,3 — H 4,7 — O 3,0 — N 8,0 — M. G. 527.  
1) **Carbazolblau.**  $K_3$  (*B. 12*, 1403; *20*, 1903). — **IV, 393.**  
 $C_{37}H_{42}O_6Cl_2$  1) **Tribenzosat d. Trichlorbarbaloin.** (*C. 1899* [2] 582).  
 $C_{37}H_{42}ON_2$  C 86,4 — H 5,1 — O 3,1 — N 5,4 — M. G. 514.  
1) **Phenyl-2,2-Trinaphthylnarnstoff.** Sm. 168° (*B. 24*, 2924). — **II, 618.**  
 $C_{37}H_{42}O_4N_6$  C 71,8 — H 4,2 — O 10,4 — N 13,6 — M. G. 618.  
1) Verbindung (aus Benzaldehyd u. Isatamidobenzol-3-Carbonsäureamid) (*A. 218*, 193). — **II, 1605.**

- C<sub>31</sub>H<sub>27</sub>ON<sub>5</sub>** C 79,7 — H 4,8 — O 2,9 — N 12,6 — M. G. 557.  
 1) **2-Oxybenzylidenamidophenylindolin** (*A.* **286**, 201). — **IV**, *1326*.
- C<sub>31</sub>H<sub>28</sub>O<sub>2</sub>N<sub>2</sub>** C 79,3 — H 5,7 — N 10,0 — M. G. 560.  
 1) **α-Phenyl-α,α-Di[5-Keto-1,3-Diphenyl-4,5-Dihydropyrazolyl-4]-methan**. Sm. 220° (*B.* **20**, 2548). — **IV**, *1305*.
- C<sub>31</sub>H<sub>29</sub>N<sub>3</sub>Cl** 1) **4-Chlorphenylat d. 6-[4-Methylphenyl]amido-2,3-Diphenyl-1,4-Naphtsodiasin** (*B.* **25**, 2005). — **IV**, *1218*.
- C<sub>31</sub>H<sub>30</sub>O<sub>3</sub>N<sub>2</sub>** C 80,7 — H 5,4 — O 8,7 — N 5,1 — M. G. 550.  
 1) **Cinnimabenzil**. Sm. 188° (*Soc.* **49**, 470). — **III**, *286*.
- C<sub>31</sub>H<sub>30</sub>N<sub>3</sub>Cl** 1) **Tri[4-Phenylamidophenyl]chlormethan** (Diphenylaminblau) (*B.* **23**, 1963). — **IV**, *1196*.
- C<sub>31</sub>H<sub>31</sub>O<sub>4</sub>N<sub>2</sub>** C 78,2 — H 5,6 — O 11,3 — N 4,9 — M. G. 568.  
 1) **4-Nitro-2-Methylphenylid[β-Benzoyl-α-Phenyläthyl]amin** (Dibenzal-acetophenonnitrotoluidin). Sm. 203° (*B.* **31**, 350).
- C<sub>31</sub>H<sub>32</sub>O<sub>4</sub>N<sub>2</sub>** C 74,5 — H 5,4 — O 10,7 — N 9,4 — M. G. 596.  
 1) **Diacetyllderivat d. Verb.** C<sub>33</sub>H<sub>38</sub>O<sub>4</sub>N<sub>2</sub>. Sm. 257° (*G.* **22** [2] 239). — **IV**, *751*.
- C<sub>31</sub>H<sub>32</sub>J<sub>2</sub>P<sub>2</sub>** 1) **Methylenhexaphenyldiphosphoniumdijodid**. Sm. 230—231° u. Zers. (*B.* **16**, 804; *A.* **229**, 318). — **IV**, *1661*.
- C<sub>31</sub>H<sub>33</sub>O<sub>4</sub>N<sub>3</sub>** C 76,1 — H 5,7 — O 11,0 — N 7,2 — M. G. 583.  
 1) **3'-Nitro-2<sup>2</sup>,2<sup>3</sup>-Di[Benzoylamido]-3<sup>1</sup>,5<sup>1</sup>,3<sup>2</sup>,5<sup>2</sup>-Tetramethyltriphenylmethan**? Sm. 185—186° (*B.* **21**, 3217). — **IV**, *1045*.  
 2) **4'-Nitro-2<sup>2</sup>,2<sup>3</sup>-Di[Benzoylamido]-3<sup>1</sup>,5<sup>1</sup>,3<sup>2</sup>,5<sup>2</sup>-Tetramethyltriphenylmethan**? Sm. 191—192° (*B.* **21**, 3216). — **IV**, *1049*.
- C<sub>31</sub>H<sub>34</sub>O<sub>2</sub>N<sub>4</sub>** C 78,4 — H 6,0 — O 5,6 — N 9,9 — M. G. 566.  
 1) **α-[4-Dibenzoylamidophenyl]imidod[4-Dimethylamidophenyl]methan**. Sm. 180—181° (*J. pr.* [2] **50**, 416). — **IV**, *1174*.
- C<sub>31</sub>H<sub>36</sub>O<sub>9</sub>N<sub>2</sub>** C 68,1 — H 5,5 — O 22,1 — N 4,3 — M. G. 652.  
 1) **Xanthalin**. Sm. 206°. 2HCl + 4H<sub>2</sub>O (*B.* **26** [2] 592). — **III**, *923*.
- C<sub>31</sub>H<sub>37</sub>O<sub>9</sub>N<sub>2</sub>** C 67,9 — H 5,8 — O 22,0 — N 4,3 — M. G. 654.  
 1) **Hydroxanthalin**. Sm. 137° (*B.* **26** [2] 593). — **III**, *923*.
- C<sub>31</sub>H<sub>47</sub>O<sub>11</sub>N** C 62,3 — H 6,6 — O 29,2 — N 1,9 — M. G. 713.  
 1) **Triacetylpyraconitin**. Sm. 204° (*Soc.* **67**, 463). — **III**, *774*.
- C<sub>31</sub>H<sub>49</sub>O<sub>14</sub>N** C 60,7 — H 6,7 — O 30,6 — N 1,9 — M. G. 731.  
 1) **Triacetylbenzoylaconin**. Sm. 255—256° (*Soc.* **67**, 460; *B.* **27**, 732). — **III**, *774*.  
 2) isom. **Triacetylbenzoylaconin**. Sm. 162° (*Soc.* **67**, 461).
- C<sub>31</sub>H<sub>57</sub>O<sub>10</sub>N** 1) **Taxin**. Sm. S2°. HCl, (2HCl, PtCl<sub>4</sub>), (HCl, AuCl<sub>3</sub>), H<sub>2</sub>SO<sub>4</sub> (*J.* **1856**, 550; *Bl.* **26**, 417; *R.* **3**, 279; *B.* **23**, 464). — **III**, *948*.
- C<sub>31</sub>H<sub>53</sub>O<sub>11</sub>N** C 64,6 — H 7,7 — O 25,6 — N 2,0 — M. G. 687.  
 1) **Veratratin**. Sm. 180° (150—155°). (HCl, AuCl<sub>3</sub>), H<sub>2</sub>SO<sub>4</sub> + 10H<sub>2</sub>O (*Soc.* **33**, 338; *J.* **1883**, 1351). — **III**, *949*.

### C<sub>33</sub>-Gruppe mit vier Elementen.

- C<sub>33</sub>H<sub>28</sub>O<sub>4</sub>N<sub>3</sub>Cl** 1) **Tribenzoylderivat d. Verb.** C<sub>16</sub>H<sub>16</sub>ON<sub>3</sub>Cl (*B.* **31**, 1414).
- C<sub>33</sub>H<sub>17</sub>O<sub>3</sub>N<sub>2</sub>S** 1) **Thioharnstoff d. 8-[4-Amidophenyl]amido-5-Oxy-1,2,3,4-Tetrahydronaphthalin-5-Aethyläther**. Sm. 201° (*B.* **31**, 905).
- C<sub>33</sub>H<sub>41</sub>O<sub>6</sub>N<sub>2</sub>J<sub>2</sub>** 1) **Di[Jodmethylat] d. Pseudomorphinmonomethyläther + 4H<sub>2</sub>O** (*A.* **294**, 213).
- C<sub>33</sub>H<sub>45</sub>O<sub>7</sub>N<sub>2</sub>J** 1) **Jodmethylat d. Pseudomorphinmonomethyläthermethylenehydrat + 4H<sub>2</sub>O** (*A.* **294**, 213).

### C<sub>33</sub>-Gruppe mit zwei Elementen.

- C<sub>33</sub>H<sub>29</sub>O<sub>11</sub>** C 69,5 — H 3,6 — O 26,8 — M. G. 656.  
 1) **Pyrogallolbenztein + 5H<sub>2</sub>O** (*A.* **257**, 61). — **II**, *1043*.  
**C<sub>33</sub>H<sub>27</sub>N<sub>2</sub>** C 89,7 — H 4,7 — N 5,5 — M. G. 508.  
 1) **Hydrophenylcarbazoaikridin**. Sm. 172° (*G.* **20**, 414). — **IV**, *472*.  
**C<sub>33</sub>H<sub>26</sub>O<sub>7</sub>** C 76,8 — H 4,4 — O 18,8 — M. G. 594.  
 1) **Verbindung (aus Resorcinbenztein)** (*A.* **217**, 235). — **II**, *1123*.

- C<sub>35</sub>H<sub>26</sub>O<sub>6</sub>.** C 72,8 — H 4,1 — O 23,0 — M. G. 626.  
 1) Rhizocarpinsäure. Sm. 170° (B. 30, 363).
- C<sub>35</sub>H<sub>26</sub>O<sub>10</sub>.** C 71,0 — H 4,0 — O 24,9 — M. G. 642.  
 1) Tribenzoat d. Quercetindimethyläther. Sm. 204—205° (Soc. 67, 498). — III, 604.
- C<sub>35</sub>H<sub>26</sub>O<sub>17</sub>.** C 60,5 — H 3,4 — O 36,1 — M. G. 754.  
 1) Eichenroth. K<sub>8</sub> (A. 240, 339, 340). — III, 587.
- C<sub>35</sub>H<sub>26</sub>N<sub>4</sub>.** C 84,8 — H 4,8 — N 10,4 — M. G. 538.  
 1)  $\alpha$ - $\beta$ -Anilidophenylnaphtindulin (Naphtylblau). HCl (A. 262, 238; 272, 334). — IV, 1303.
- C<sub>35</sub>H<sub>26</sub>O<sub>6</sub>.** C 78,3 — H 5,2 — O 16,5 — M. G. 582.  
 1) Triacetat d.  $\alpha\beta\beta$ -Tri[1-Oxynaphthalen]äthan (A. 243, 167). — II, 1029.
- C<sub>35</sub>H<sub>26</sub>O<sub>9</sub>.** C 72,4 — H 4,7 — O 22,9 — M. G. 630.  
 1) Resorcinbenzin (A. 217, 234; J. pr. [2] 48, 387). — II, 1123.
- C<sub>35</sub>H<sub>26</sub>N<sub>6</sub>.** C 76,2 — H 5,0 — N 18,7 — M. G. 598.  
 1) Diformazylbenzol. Sm. 185—190° (A. 300, 256). — IV, 1403.
- C<sub>35</sub>H<sub>26</sub>O<sub>5</sub>.** C 85,1 — H 6,0 — O 8,9 — M. G. 536.  
 1)  $\alpha\gamma\epsilon$ -Tribenzoyl- $\beta\delta$ -Diphenylpentan.  $\alpha$ -Modif. Sm. 198°;  $\beta$ -Modif. Sm. 256° (B. 29, 1493, 1494, 1495, 2246 Anm.). — III, 322.
- C<sub>35</sub>H<sub>26</sub>O<sub>12</sub>.** C 67,1 — H 4,7 — O 28,2 — M. G. 680.  
 1) Hexacetat d. Verb. C<sub>35</sub>H<sub>26</sub>O<sub>6</sub> (Am. 9, 132). — III, 11.
- C<sub>35</sub>H<sub>26</sub>N<sub>3</sub>.** C 85,9 — H 6,2 — N 7,9 — M. G. 531.  
 1) 4', 4<sup>2</sup>, 4<sup>3</sup>-Tri[Phenylamido]-P-Methyltriphenylmethan (Triphenyl-leukanalin) (J. 1863, 418). — IV, 1198.
- C<sub>35</sub>H<sub>26</sub>O<sub>11</sub>.** C 68,5 — H 5,1 — O 26,4 — M. G. 666.  
 1) Tetracetat d. Chrysarobin. Sm. 228—230° (A. 212, 34; B. 21, 438). — III, 453.
- C<sub>35</sub>H<sub>26</sub>O<sub>12</sub>.** C 66,9 — H 5,0 — O 28,1 — M. G. 682.  
 1) Diäthylester d. Tetrabenzoylschleimsäure. Sm. 124° (M. 14, 487). — II, 1155.
- C<sub>35</sub>H<sub>26</sub>O<sub>6</sub>.** C 77,5 — H 6,1 — O 16,3 — M. G. 588.  
 1) Aethylester d. Isobutylanhydrodibenzilsacetessigsäure. Sm. 202° (Soc. 69, 740).  
 C 59,4 — H 5,2 — O 35,4 — M. G. 768.
- C<sub>35</sub>H<sub>26</sub>O<sub>17</sub>.** 1) Leprarin (A. 297, 310).  
 C 84,6 — H 7,6 — N 7,8 — M. G. 539.  
 1) 4', 4<sup>2</sup>, 4<sup>3</sup>-Di[Dimethylamido]-5'-Dibenzylamido-2'-Methyltriphenylmethan. Sm. 120° (B. 24, 3129). — IV, 1198.
- C<sub>35</sub>H<sub>42</sub>O<sub>4</sub>.** C 81,1 — H 7,5 — O 11,4 — M. G. 562.  
 1) Diacetat d.  $\alpha\alpha$ -Di[3-Oxy-4-Isopropyl-1-Methylphenyl]- $\beta\beta$ -Diphenyläthan. Sm. 152° (A. 279, 332). — II, 1008.
- C<sub>35</sub>H<sub>44</sub>O<sub>4</sub>.** C 80,8 — H 7,8 — O 11,4 — M. G. 564.  
 1) Tetrapropyläther d.  $\alpha\alpha\beta\beta$ -Tetra[4-Oxyphenyl]äthen. Sm. 139—140° (B. 28, 2875).  
 2) Tetraäthyläther d.  $\alpha\alpha\beta\beta$ -Tetra[P-Oxy-P-Methylphenyl]äthen. Sm. 214° (B. 28, 2875).  
 C 80,8 — H 9,2 — N 9,9 — M. G. 564.
- C<sub>35</sub>H<sub>52</sub>O<sub>4</sub>.** 1) Diphenylhydrazone d. Onoketon (B. 29, 2988). — IV, 784.
- C<sub>35</sub>H<sub>62</sub>O<sub>3</sub>.** C 80,6 — H 11,0 — O 8,4 — M. G. 566.  
 1) Monacetat d.  $\alpha$ -Lactuceron. Sm. 202—207° (A. 244, 270). — II, 1068.
- C<sub>35</sub>H<sub>62</sub>O<sub>11</sub>.** C 65,7 — H 8,9 — O 25,4 — M. G. 694.  
 1) Chinovin, siehe C<sub>35</sub>H<sub>64</sub>O<sub>6</sub>.
- C<sub>35</sub>H<sub>64</sub>O<sub>3</sub>.** C 80,3 — H 11,3 — O 8,4 — M. G. 568.  
 1) Verbindung (aus Gentiana verna). Sm. 115—117° (M. 12, 484). — III, 633.
- C<sub>35</sub>H<sub>64</sub>O<sub>15</sub>.** C 56,4 — H 7,9 — O 35,6 — M. G. 808.  
 1) Paristyphnин (J. 1860, 543). — III, 599.
- C<sub>35</sub>H<sub>66</sub>O<sub>4</sub>.** C 77,8 — H 11,3 — O 10,9 — M. G. 586.  
 1) Monomyricylester d. Benzol-1,2-Dicarbonsäure. Sm. 79° (Bl. [3] 11, 186). — II, 1793.
- C<sub>35</sub>H<sub>66</sub>O<sub>17</sub>.** C 57,4 — H 8,3 — O 34,2 — M. G. 794.  
 1) Pikrococin. Sm. 75° (B. 17, 2133). — III, 602.
- C<sub>35</sub>H<sub>66</sub>S.** 1) Verbindung (aus Asphalt). Sd. 170°. — III, 565.

- C<sub>28</sub>H<sub>41</sub>N** C 84,3 — H 13,1 — N 2,6 — M. G. 541.  
1) **Dicetylaminobenzol.** (2HCl, PtCl<sub>4</sub>) (*A.* 83, 31). — **II, 336.**
- C<sub>28</sub>H<sub>42</sub>O<sub>7</sub>** C 71,3 — H 11,2 — O 17,5 — M. G. 640.
- C<sub>28</sub>H<sub>42</sub>O<sub>4</sub>** 1) **Mannitandipalmitat** (*A. ch.* [3] 47, 323). — **I, 444.**  
C 76,8 — H 12,4 — O 10,8 — M. G. 594.
- C<sub>28</sub>H<sub>42</sub>O<sub>4</sub>** 1)  $\alpha\beta$ -**Dicetylbutan- $\alpha\beta$ -Dicarbonsäure.** Sm. 41—43° (*Soc.* 65, 1016).  
2) **isom.  $\alpha\beta$ -Dicetylbutan- $\alpha\beta$ -Dicarbonsäure.** Sm. 32—34° (*Soc.* 65, 1017).  
3) **Distearat d.  $\alpha\beta$ -Dioxyäthan.** Sm. 76° (*A. ch.* [3] 55, 436). — **I, 445.**

### C<sub>35</sub>-Gruppe mit drei Elementen.

- C<sub>35</sub>H<sub>34</sub>O<sub>7</sub>Br<sub>10</sub>** 1) **Dekabrommeichenroth** (*A.* 240, 342). — **III, 588.**
- C<sub>35</sub>H<sub>34</sub>O<sub>7</sub>Br<sub>6</sub>** 1) **Hexabrommeichenroth** (*A.* 240, 341). — **III, 587.**
- C<sub>35</sub>H<sub>34</sub>O<sub>4</sub>N<sub>2</sub>** C 79,7 — H 4,2 — O 11,2 — N 4,9 — M. G. 572.  
1) **Diphenylmaleinsäure-1,3-Phenylenimid.** Sm. 236° (*B.* 28, 2479). — **IV, 578.**
- C<sub>35</sub>H<sub>34</sub>O<sub>5</sub>N<sub>4</sub>** C 77,5 — H 4,8 — O 8,2 — N 9,5 — M. G. 588.  
1) **Verbindung** (aus d. **Diazoderivat d. Diamidophenylnaphtoläthyläther**). Sm. 153—154° (*Soc.* 55, 605). — **IV, 1440.**
- C<sub>35</sub>H<sub>34</sub>O<sub>5</sub>S** 1) **Di[4-Diphenylmethylphenyl]sulfon.** Sm. 68° (*Bl.* [3] 11, 506). — **II, 1089.**
- C<sub>35</sub>H<sub>34</sub>O<sub>5</sub>S** 1) **Sulfon d.  $\alpha$ -Oxytriphenylmethan.** Sm. 78° (*Bl.* [3] 11, 507). — **II, III, 1022.**  
C 83,4 — H 6,0 — O 2,9 — N 7,7 — M. G. 547.
- C<sub>35</sub>H<sub>34</sub>O<sub>5</sub>ON<sub>3</sub>** 1) **Triphenylrosanilin.** Sm. 100°. Chlorid, Sulfat (*A.* 132, 162; *B.* 10, 1847; *J.* 1862, 696; 1863, 417; 1867, 963). — **II, 1092.**  
2) **Benzoylderivat d.  $\alpha$ -[2-Methyl-6-Chinoyl]- $\alpha\alpha$ -Di[2-Methyl-1,2-Dihydro-6-Chinoyl]methan** (*B.* 24, 1705). — **IV, 1219.**
- C<sub>35</sub>H<sub>34</sub>O<sub>5</sub>N<sub>2</sub>** C 76,1 — H 5,7 — O 13,4 — N 4,7 — M. G. 598.  
1) **Diäthylester d. Benzylidencinchoxinsäure.** Sm. 120° (*A.* 270, 344). — **IV, 347.**
- C<sub>35</sub>H<sub>34</sub>Br<sub>2</sub>P<sub>2</sub>** 1) **Aethylenthexaphenylidiphosphoniumdibromid.** Sm. oberh. 300° (*B.* 15, 804). — **IV, 1661.**
- C<sub>35</sub>H<sub>34</sub>N<sub>4</sub>Cl<sub>7</sub>** 1) **Verbindung** (aus Acetanilid). Sm. 227—229° (*Am.* 9, 217). — **II, 362.**
- C<sub>35</sub>H<sub>34</sub>ON<sub>4</sub>** C 73,1 — H 6,4 — O 2,6 — N 17,9 — M. G. 624.  
1) **Phenylhydrazone** der **Filixsäure.** Sm. 198° (*B.* 21, 2965). — **IV, 719.**
- C<sub>35</sub>H<sub>34</sub>O<sub>2</sub>N<sub>4</sub>** C 77,5 — H 7,5 — O 5,4 — N 9,5 — M. G. 588.  
1) **Dieinchonin.** Sm. 40°. 2HCl, (2HCl, PtCl<sub>4</sub> + 4H<sub>2</sub>O), Rhodanat (*A.* 227, 154). — **III, 861.**  
C 63,3 — H 6,1 — O 26,7 — N 3,9 — M. G. 720.
- C<sub>35</sub>H<sub>34</sub>O<sub>12</sub>N<sub>2</sub>** 1) **Helicoidindianilid** (*A.* 154, 37). — **III, 69.**
- C<sub>35</sub>H<sub>34</sub>O<sub>10</sub>Cl<sub>11</sub>** 1) **Verbindung** (aus Hanf) (*Soc.* 43, 19; 55, 204). — **I, 1080.**
- C<sub>35</sub>H<sub>34</sub>O<sub>10</sub>N<sub>4</sub>** C 77,3 — H 7,8 — O 5,4 — N 9,5 — M. G. 590.  
1) **Dihydriodieinchonin.** Sm. 257—238°. H<sub>2</sub>SO<sub>4</sub>, (*J. pr.* [2] 8, 293; *A.* 108, 348; *B.* 11, 312; *Soc.* 28, 1179; *M.* 16, 325). — **III, 835.**
- C<sub>35</sub>H<sub>34</sub>O<sub>12</sub>N** C 64,3 — H 6,6 — O 27,1 — N 2,0 — M. G. 709.  
1) **Dibenzoyleaconin.** Sm. 265°. (HCl, AuCl<sub>3</sub>), HBr (*C.* 1896 [1] 208). — **III, 774.**
- C<sub>35</sub>H<sub>34</sub>O<sub>12</sub>N** C 64,1 — H 6,9 — O 27,0 — N 2,0 — M. G. 711.  
1) **Acetylalopseudoaconitin** + H<sub>2</sub>O. Sm. 115° (*Soc.* 33, 151). — **III, 775.**
- C<sub>35</sub>H<sub>34</sub>O<sub>12</sub>N** C 62,6 — H 7,0 — O 28,5 — N 1,9 — M. G. 729.  
1) **Diacetylalocitin** (oder C<sub>45</sub>H<sub>68</sub>O<sub>14</sub>N). Sm. 158°. (HCl, AuCl<sub>3</sub>) (*Soc.* 67, 462). — **III, 773.**
- C<sub>35</sub>H<sub>34</sub>O<sub>12</sub>N** 1) **Verbindung** (aus *Micrococcus prodigiosus*) (*B.* 25 [2] 759). — **III, 669.**

### C<sub>35</sub>-Gruppe mit vier Elementen.

- C<sub>35</sub>H<sub>34</sub>O<sub>12</sub>N<sub>8</sub>S** 1) **Sulfon d. Trinitrotriphenylmethan** (*Bl.* [3] 11, 508).
- C<sub>35</sub>H<sub>34</sub>O<sub>12</sub>N<sub>8</sub>S** 1) **Sulfon d.  $\alpha$ -Oxytrinitrotriphenylmethan.** Sm. 100—110° (*Bl.* [3] 11, 508). — **II, III.**

- $C_{39}H_{30}ON_2Cl$ , 1) Tri[2-Chlorphenyl]rosanilin (B. 19, 1092) — II, 1092.  
 2) Tri[3-Chlorphenyl]rosanilin (B. 19, 1093) — II, 1092.  
 3) Tri[4-Chlorphenyl]rosanilin (B. 19, 1093) — II, 1093.
- $C_{39}H_{31}O_2N_2S$  : Anilinblaumonoulfosäure. Na (B. 5, 412) — II, 1093.  
 $C_{39}H_{31}O_2N_2S_2$  : Anilinblau-disulfonsäure. Na, (B. 5, 413) — II, 1093.
- $C_{39}H_{31}O_2N_2S_3$  : Anilinblau-trisulfonsäure (B. 5, 420) — II, 1093.
- $C_{39}H_{31}O_2N_2S_4$  : Anilinblau-tetralsulfosäure. Pb<sub>2</sub> (B. 5, 421) — II, 1093.
- $C_{39}H_{31}O_2N_2S_5$  : Sulfon d. Triimidotriphenylmethan (Bl. 3, II, 511) — II, 1094.
- $C_{39}H_{31}O_2N_2S_6$  : Cinchoninsulfosäure. Ba (A. 108, 374) — III, 535.
- $C_{39}H_{31}O_2N_2S_7$  : Verbindung "aus 4,4'-D. Dimethylamido diphenylketonen" (B. 20, 324) — III, 192.
- $C_{39}H_{31}O_2N_2Cl$ , 1) Dicodienäthylenchlorid + 4H<sub>2</sub>O. 2 + PtCl<sub>6</sub> (B. 27 [2], 509) — III, 505.
- $C_{39}H_{31}O_2N_2Br$ , 1) Dicodienäthylenbromid + 4H<sub>2</sub>O. Sm. 177 — 179 (B. 27 [2], 509) — III, 505.

 **$C_{39}$ -Gruppe mit zwei Elementen.**

- $C_{39}H_{30}O_2$  C 56,0 — H 4,6 — O 6,1 — M. G. 526.  
 1) Verbindung (aus Dibiphenylenäthen). Sm. 274 — 276 (A. 290, 244).
- $C_{39}H_{30}O_2S$  C 53,1 — H 3,4 — O 43,5 — M. G. 582.  
 1) polym. Sordidin. Sm. 236 — 237 (G. 24 [2], 32) — II, 2059.
- $C_{39}H_{30}N_2$  C 64,6 — H 5,7 — N 5,3 — M. G. 526.  
 1) Phenylhydrazonderivat d. Verb.  $C_{39}H_{30}O$ . Sm. 270 (Soe. 51, 525) — III, 252.
- $C_{39}H_{30}N_4$  C 50,4 — H 5,2 — N 14,4 — M. G. 582.  
 1) Hexaphenylmelamin. Sm. oberh. 300 (B. 18, 321) — II, 452.
- $C_{39}H_{30}O_1$  C 69,9 — H 5,0 — O 25,0 — M. G. 678.  
 1) Dibenzoyleupittonssäure. Sm. 232 (B. 12, 221) — II, 2092.
- $C_{39}H_{30}N_1$  C 83,9 — H 6,1 — N 10,0 — M. G. 558.  
 1) Verbindung (aus uns-Phenylbenzylhydrazin u. Harnstoff). Sm. 108 — 109 (G. 27 [2], 243) — IV, 511.  
 C 71,2 — H 5,3 — N 23,4 — M. G. 657.
- $C_{39}H_{30}N_{11}$  1) Verbindung (Base aus Acetamid u. Phenylcyanamid). Sm. 222 (2 HCl (M. 5, 457)) — II, 450.
- $C_{39}H_{30}O_{14}$  C 60,0 — H 7,2 — O 32,8 — M. G. 780.  
 1) Tetraacetylstraphanthin (oder  $C_{40}H_{30}O_{14}$ ). Sm. 236 — 237 (M. 19, 397).
- $C_{39}H_{30}O_4$  1) Verbindung (aus Lärchenschwammbharz) =  $(C_{39}H_{30}O_4)_2$  (J. 1875, 862) — III, 560.
- $C_{39}H_{30}O_2$  C 52,9 — H 11,3 — O 5,7 — M. G. 564.  
 1) Diacetylilicen. Sm. 219,5 (B. 28 [2], 255).
- $C_{39}H_{30}S$  1) Verbindung (aus Asphalt). Sd. 178 — III, 565.
- $C_{39}H_{30}O_5$  C 75,5 — H 11,6 — O 12,9 — M. G. 620.  
 1) Glycerindiolein (A. ch. 3] 41, 250) — I, 526.  
 $C_{39}H_{30}O_7$  C 71,8 — H 11,0 — O 17,2 — M. G. 652.  
 1) Glycerinricinelaidin. Sm. 43° (45%) (A. 60, 322; 85, 282; J. 1855, 523) — I, 613.  
 $C_{39}H_{30}O_6$  C 73,4 — H 11,6 — O 15,0 — M. G. 638.  
 1) Glycerintrilaurin (Laurostearin). Sm. 45° (A. 41, 330; 53, 390; 66, 210); J. pr. [2] 42, 375; A. ch. 3] II, 226) — I, 441.
- $C_{39}H_{30}O_8$  C 67,2 — H 12,2 — O 10,6 — M. G. 608.  
 1) Diäthylester d. Dicetylmalonsäure (A. 206, 363).  
 $C_{39}H_{30}O_5$  C 75,2 — H 11,9 — O 12,9 — M. G. 624.  
 1) Glycerindistearin. Sm. 76,4° (58%) NH<sub>4</sub> (A. ch. 3] 41, 226; J. pr. [2] 28, 227) — I, 445.

 **$C_{39}$ -Gruppe mit drei Elementen.**

- $C_{39}H_{30}O_4N_4$  C 76,0 — H 4,5 — O 10,4 — N 9,1 — M. G. 616.  
 1) Verbindung (aus Benzaldehyd u. 1-Phenylazo-2,4-Dioxynaphthalin) (B. 17, 1812; 21, 2205) — IV, 1449.

- C<sub>39</sub>H<sub>29</sub>N<sub>11</sub>Br<sub>6</sub>** 1) **Verbindung** (aus d. Base C<sub>39</sub>H<sub>35</sub>N<sub>11</sub>) (M. 5, 453). — II, 450.  
**C<sub>39</sub>H<sub>32</sub>O<sub>4</sub>ON<sub>4</sub>** C 78,0 — H 5,3 — O 2,7 — N 14,0 — M. G. 600.  
 1) *α*-Benzoyl-*α*-Phenyl-*β*-Di[Phenylimidophenylamidomethyl]hydrazin. Sm. 149° (B. 26, 1187). — IV, 1224.  
**C<sub>39</sub>H<sub>32</sub>O<sub>4</sub>N<sub>4</sub>** C 71,8 — H 4,9 — O 14,7 — N 8,6 — M. G. 652.  
 1) Diacetyllderivat d. Verb. C<sub>35</sub>H<sub>36</sub>O<sub>3</sub>N<sub>4</sub>. Sm. 220° u. Zers. (A. 218, 191; B. 18, 1232). — III, 74.  
**C<sub>39</sub>H<sub>27</sub>N<sub>5</sub>S** 1) Thioharnstofflderivat d. 4-Aminotriphenylmethan. Sm. 123° (A. 241, 368). — II, 641.  
**C<sub>39</sub>H<sub>26</sub>O<sub>4</sub>Br<sub>11</sub>** 1) **Verbindung** (aus Strophanthin). Sm. 160° (B. 31, 541).  
**C<sub>39</sub>H<sub>26</sub>O<sub>4</sub>P** 1) **Phosphat** d. 4-Oxydiphenylmethan. Sm. 93—94° (J. 1873, 440). — II, 897.  
**C<sub>39</sub>H<sub>35</sub>O<sub>5</sub>N<sub>3</sub>** C 78,9 — H 5,9 — O 8,1 — N 7,1 — M. G. 593.  
 1) **Julolvioletbase**. HCl, (2HCl, PtCl<sub>4</sub>) (B. 25, 121). — IV, 194.  
**C<sub>39</sub>H<sub>40</sub>O<sub>5</sub>N<sub>4</sub>** C 78,5 — H 6,7 — O 5,4 — N 9,4 — M. G. 596.  
 1) **Phenyldi[4-Oxy-5-Isopropyl-2-Methylasobenzol]methan** (Triphenylmethanidisazothymol). Sm. 170° (G. 15, 46). — IV, 1425.  
 2) **Phenyldi[4-Oxy-6-Isopropyl-3-Methylasobenzol]methan**. Sm. 130°. Ag<sub>2</sub> (G. 15, 307). — IV, 1426.  
**C<sub>39</sub>H<sub>40</sub>O<sub>11</sub>N<sub>2</sub>** C 65,7 — H 5,6 — O 24,7 — N 3,9 — M. G. 712.  
**C<sub>39</sub>H<sub>40</sub>O<sub>11</sub>N<sub>4</sub>** C 75,7 — H 7,4 — O 7,8 — N 9,1 — M. G. 618.  
 1) **Cuprein-Chinin** + 4H<sub>2</sub>O. Sm. 177° (wasserfrei). (4HCl, 2PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub> + 6H<sub>2</sub>O, Tartrat + 2H<sub>2</sub>O (A. 225, 98; 226, 242; 230, 72; Soc. 41, 61). — III, 823.  
**C<sub>39</sub>H<sub>45</sub>O<sub>4</sub>N<sub>4</sub>** C 73,6 — H 7,5 — O 10,1 — N 8,8 — M. G. 636.  
 1) **Cupreinhydrochinin** + 2H<sub>2</sub>O (A. 241, 259). — III, 860.  
**C<sub>39</sub>H<sub>51</sub>O<sub>10</sub>Br<sub>5</sub>** 1) **Verbindung** (aus Strophanthin). Sm. 126° (B. 31, 541).  
**C<sub>39</sub>H<sub>51</sub>O<sub>13</sub>N** C 60,5 — H 6,6 — O 31,0 — N 1,8 — M. G. 773.  
 1) **Tetracystylbenzoylaconin**. Sm. 211°. (HCl, AuCl<sub>3</sub>) (Soc. 67, 461). — III, 774.  
**C<sub>39</sub>H<sub>52</sub>O<sub>14</sub>N** C 67,3 — H 7,6 — O 23,0 — N 2,0 — M. G. 695.  
 1) **Benzoylcavadin** + 1½H<sub>2</sub>O. Sm. 170—180°. (HCl, AuCl<sub>3</sub>) (Soc. 33, 338). — III, 949.  
**C<sub>39</sub>H<sub>54</sub>O<sub>10</sub>Br<sub>2</sub>** 1) **Verbindung** (aus Strophanthin). Sm. 163° (B. 31, 541).  
**C<sub>39</sub>H<sub>56</sub>O<sub>8</sub>S** 1) **Verbindung** (aus Ricinusöl) (Bl. [3] 6, 640).  
**C<sub>39</sub>H<sub>77</sub>O<sub>8</sub>P** 1) **Distearylglycerinphosphorsäure**. Sm. 62,5°. (NH<sub>4</sub>)<sub>2</sub>, Na<sub>2</sub> (J. pr. [2] 28, 233). — I, 446.

### C<sub>39</sub>-Gruppe mit vier Elementen.

- C<sub>39</sub>H<sub>36</sub>O<sub>4</sub>N<sub>3</sub>P** 1) **Tri[4-Benzoylamidophenyl]phosphinoxyd** + H<sub>2</sub>O. Sm. 166—168° (wasserfrei) (A. 229, 331). — IV, 1660.  
**C<sub>39</sub>H<sub>37</sub>O<sub>4</sub>N<sub>6</sub>P** 1) **Triphosphat** d. 4'-Oxy-2-Methylasobenzol. Sm. 116° (B. 24, 368). — IV, 1413.  
 2) **Triphosphat** d. 4'-Oxy-4-Methylasobenzol. Sm. 140° (B. 24, 365). — IV, 1413.  
**C<sub>39</sub>H<sub>46</sub>O<sub>3</sub>N<sub>3</sub>Cl** 1) **Julolviolet**. 2 + PtCl<sub>4</sub> (B. 25, 121). — IV, 194.  
**C<sub>39</sub>H<sub>36</sub>O<sub>7</sub>N<sub>3</sub>P** 1) **1-Naphthylamid d. Phosphorsäuretri[*α*-Oxypropionsäure]**. Sm. 166 bis 169° (A. 279, 98).  
**C<sub>39</sub>H<sub>57</sub>O<sub>10</sub>NJ** 1) **Jodäthylat** d. Taxin (B. 23, 467). — III, 948.  
**C<sub>39</sub>H<sub>57</sub>O<sub>6</sub>Cl<sub>2</sub>P** 1) **Chlorid** d. Distearylglycerinphosphorsäure. Sm. 24° (J. pr. [2] 28, 233). — I, 446.

### C<sub>40</sub>-Gruppe mit einem Element.

- C<sub>40</sub>H<sub>26</sub>** C 94,9 — H 5,1 — M. G. 506.  
 1) **Kohlenwasserstoff** (aus Picensäure). Sm. 235° (A. 284, 76).  
**C<sub>40</sub>H<sub>44</sub>** C 88,2 — H 11,8 — M. G. 544.  
 1) **Tetraterebenton** (aus Terpentinöl). Sm. oberh. 100° (A. ch. [5] 6, 42). — III, 540.

$C_{40}H_{70}$  C 87,3 — H 12,7 — M. G. 550.  
1) Fichtelit. Sm. 46° (A. 37, 304; 103, 236).

### $C_{40}$ -Gruppe mit zwei Elementen.

- $C_{40}H_{22}O_7$  C 78,2 — H 3,6 — O 18,2 — M. G. 614.  
1) Verbindung (aus 1-Oxynaphthalin u. Benzol-1,2,4,5-Tetracarbonsäure) (B. 6, 1069). — II, 2073.
- $C_{40}H_{22}J$  1) Verbindung (aus Naphthalin) (C. r. 94, 534).  
 $C_{40}H_{24}O_8$  C 75,9 — H 3,8 — O 20,2 — M. G. 632.
- 1) Verbindung (aus 1-Oxynaphthalin u. Benzol-1,2,4,5-Tetracarbonsäure). Sm. 245° (B. 6, 1068). — II, 2073.  
 $C_{40}H_{26}O_7$  C 77,7 — H 4,2 — O 18,1 — M. G. 618.
- 1) Verbindung (aus d.  $\alpha$ , $\beta$ -Lakton d.  $\alpha$ -Oxy- $\alpha$ -[2,4-Dioxyphenyl]- $\alpha$ -Diphenylmethan-2-Carbonsäure). Sm. 258° (B. 14, 1862). — II, 1986.  
 $C_{44}H_{26}O_8$  C 75,7 — H 4,1 — O 20,2 — M. G. 634.
- 1) Tetrabenzoat d. 1,3,1',3'-Tetraoxybiphenyl. Sm. 199° (M. 10, 722). — II, 1153.
- $C_{40}H_{26}O_4$  C 79,5 — H 4,6 — O 15,9 — M. G. 604.  
1) Tribenzoat d. s-Trioxypyrenylmethan (A. 166, 288). — II, 1152.  
 $C_{40}H_{20}O_{14}$  C 65,4 — H 4,1 — O 30,5 — M. G. 734.
- 1) Hämatoxylinsäure (B. 12, 1852). — III, 685.  
 $C_{40}H_{30}O_{17}$  C 61,4 — H 3,8 — O 34,8 — M. G. 782.
- 1) Hemlockroth (B. 17, 1125). — III, 684.  
 $C_{40}H_{32}O_7$  C 76,9 — H 5,1 — O 18,0 — M. G. 624.
- 1) Dipiperonaltriacetophenon. Sm. 253—257° (B. 29, 1894).  
 $C_{40}H_{29}O_{14}$  C 65,2 — H 4,3 — O 30,4 — M. G. 736.
- 1) Anhydrid d. Eichengerbsäure  $C_{40}H_{20}O_9$  (M. 4, 527). — III, 589.  
 $C_{40}H_{34}O_{15}$  C 63,7 — H 4,5 — O 31,8 — M. G. 754.
- 2) Verbindung (aus Phloroglucinvanillin) (M. 3, 641). — II, 1046.  
3) Verbindung (aus Pyrogallolvanillin) (M. 3, 640). — II, 1046.  
 $C_{40}H_{36}O_{16}$  C 62,2 — H 4,7 — O 33,1 — M. G. 772.
- 1) Anhydrid d. Eichengerbsäure  $C_{40}H_{20}O_9$  (M. 4, 527). — III, 589.  
 $C_{40}H_{36}O_{21}$  C 56,3 — H 4,2 — O 39,4 — M. G. 852.
- 1) Anhydrooctacetylcarminsäure. Sm. 155—165° (B. 30, 1761, 1765).  
 $C_{40}H_{38}O_{16}$  C 62,0 — H 4,9 — O 33,1 — M. G. 774.
- 1)  $\alpha$ -Katechin +  $H_2O$  (Bl. 30, 567). — III, 682.  
 $C_{40}H_{38}O_{17}$  C 60,8 — H 4,8 — O 34,4 — M. G. 790.
- 1) Anhydrid d. Eichengerbsäure  $C_{40}H_{20}O_9$  (M. 4, 526). — III, 589.  
 $C_{40}H_{36}O_{18}$  C 59,6 — H 4,7 — O 35,7 — M. G. 806.
- 1)  $\alpha$ -Katechin +  $2H_2O$ . Sm. 204—205° (Bl. 30, 567). — III, 682.  
 $C_{40}H_{40}O_2$  C 86,9 — H 7,2 — O 5,8 — M. G. 552.
- 1) Säure (aus Phenylessigsäure). Sd. über 360° (A. 221, 49).  
 $C_{40}H_{40}O_{10}$  C 70,6 — H 5,9 — O 23,5 — M. G. 680.
- 1) Erythroresinotannol (C. 1897 [1] 422).  
 $C_{40}H_{41}N_8$  C 79,0 — H 7,2 — N 13,8 — M. G. 608.
- 1) 1,2-Phenylendiauramin. Sm. 305° (J. pr. [2] 50, 429). — IV, 1175.  
2) 1,4-Phenylendiauramin. Sm. 311—312° (J. pr. [2] 50, 421). — IV, 1175.  
 $C_{40}H_{36}O_{14}$  C 63,7 — H 6,6 — O 29,7 — M. G. 754.
- 1) Hars (aus Opponax) (A. 44, 335). — III, 560.  
 $C_{40}H_{52}O_4$  C 80,5 — H 8,7 — O 10,7 — M. G. 596.
- 1) Dibenzosat d. Onocol. Sm. 175—190° (B. 29, 2986).  
 $C_{40}H_{54}O_{27}$  C 49,7 — H 5,6 — O 44,7 — M. G. 966.
- 1) Hendekaacetylmeleitose. Sm. 117° (J. r. 21, 420). — I, 1071.  
2) Hendekaacetylraffinose. Sm. 99—101° (B. 23, 1443). — II, 1072.  
3) Hendekaacetyltriglykose. Sm. 212° (B. 12, 1942). — I, 1077.  
 $C_{40}H_{56}O_5$  C 77,9 — H 9,1 — O 13,0 — M. G. 616.
- 1) Hars (aus Muskatnussöl) (B. 6, 147). — III, 543.  
 $C_{40}H_{56}O_5$  C 81,9 — H 9,9 — O 8,2 — M. G. 586.
- 1) Anhydrid d. Isosylvinsäure. Fest; Nd. 248—250° (B. 23, 1921). — II, 1438.

- C<sub>46</sub>H<sub>56</sub>O<sub>5</sub>** C 77,7 — H 9,4 — O 12,9 — M. G. 618.  
 1) **Anhydrid d. Säure C<sub>70</sub>H<sub>50</sub>O<sub>3</sub>** (aus Colophonium). Sm. 143° (J. r. 20, 477). — II, 1674.
- C<sub>46</sub>H<sub>56</sub>O<sub>6</sub>** 2) **Säureanhydrid** (aus Colophonium). Sm. 159—160° (J. r. 20, 477). — II, 1674.  
 C 70,4 — H 8,5 — O 21,1 — M. G. 682.
- C<sub>46</sub>H<sub>56</sub>O<sub>7</sub>** 1) **Hars** (aus Sagapenum) (A. 44, 336). — III, 561.  
 C 83,9 — H 10,5 — O 5,6 — M. G. 572.
- C<sub>46</sub>H<sub>56</sub>O<sub>8</sub>** 1) **Succinoabietinol**. Sm. 124° (C. 1895 [1] 556).  
 2) **Verbindung** (aus Santelöl). Sd. oberh. 350° (Bl. 37, 303). — III, 549.  
 C 75,5 — H 9,4 — O 15,1 — M. G. 636.
- C<sub>46</sub>H<sub>56</sub>O<sub>9</sub>** 1) **Hars** (aus Sandarak) (A. 44, 331). — III, 561.  
 C 83,6 — H 10,8 — O 5,6 — M. G. 574.
- C<sub>46</sub>H<sub>56</sub>O<sub>10</sub>** 1) **Hars** (aus Copal) (Berz. J. 11, 265). — III, 555.  
 2) **Hars** (aus Mastix) (A. 44, 328). — III, 560.  
 C 81,4 — H 10,5 — O 8,1 — M. G. 590.
- C<sub>46</sub>H<sub>56</sub>O<sub>11</sub>** 1) **Hars** (aus Copal) (Berz. J. 11, 265). — III, 555.  
 2) **Verbindung** (aus Santelöl). Sd. 340° (Bl. 37, 303). — III, 549.  
 C 79,2 — H 10,2 — O 10,6 — M. G. 606.
- C<sub>46</sub>H<sub>56</sub>O<sub>12</sub>** 1) **Hars** (aus Mastix) (A. 44, 328). — III, 560.  
 C 77,2 — H 10,0 — O 12,8 — M. G. 622.
- C<sub>46</sub>H<sub>56</sub>O<sub>13</sub>** 1) **Hars** (aus Copal) (Berz. J. 11, 265). — III, 554.  
 2) **Hars** (aus Sandarak) (A. 44, 330). — III, 561.  
 C 75,2 — H 9,7 — O 15,1 — M. G. 638.
- C<sub>46</sub>H<sub>56</sub>O<sub>14</sub>** 1) **Dammaran** (aus Kanreicopal) (A. 47, 353). — III, 555.  
 2) **Hars** (aus Euphorbium) (A. 44, 338). — III, 558.  
 3) **Hars** (aus Sandarak) (A. 44, 331). — III, 561.  
 C 73,4 — H 9,5 — O 17,1 — M. G. 654.
- C<sub>46</sub>H<sub>56</sub>O<sub>15</sub>** 1) **Dammaräsäure** (A. 47, 354). — III, 555.  
 C 79,0 — H 10,5 — O 10,5 — M. G. 608.
- C<sub>46</sub>H<sub>56</sub>O<sub>16</sub>** 1) **Diacetat d.  $\alpha$ -Lactucerol**. Sm. 196—210° (A. 234, 248; 244, 270). — II, 1068.  
 2) **Diacetat d.  $\beta$ -Lactucerol**. Sm. 230° (A. 234, 250). — II, 1068.  
 C 76,9 — H 10,3 — O 12,8 — M. G. 624.
- C<sub>46</sub>H<sub>56</sub>O<sub>17</sub>** 1) **Diacetat d. Betulin**. Sm. 217° (A. 182, 372). — III, 621.  
 C 57,7 — H 7,7 — O 34,6 — M. G. 832.
- C<sub>46</sub>H<sub>56</sub>Cl** 1) **Caincin** (Caincasure). I<sup>h</sup> (Berz. J. 11, 223; Z. 1867, 537; J. 1850, 387; 1862, 488, 538). — III, 573.
- C<sub>46</sub>H<sub>56</sub>Cl<sub>2</sub>** 1) **Tetraterbentenhydrochlorid** (A. ch. [5] 6, 47). — III, 541.  
 C 58,7 — H 8,1 — O 33,2 — M. G. 638.
- C<sub>46</sub>H<sub>56</sub>Cl<sub>3</sub>** 1) **Hars** (aus Cistus creticus) (A. 44, 334). — III, 559.
- C<sub>46</sub>H<sub>56</sub>Cl<sub>4</sub>** 1) **Tetraterbentendihydrochlorid** (A. ch. [5] 6, 46). — III, 541.
- C<sub>46</sub>H<sub>56</sub>Br<sub>2</sub>** 1) **Tetrachlorfichtelit** (A. 103, 246).
- C<sub>46</sub>H<sub>56</sub>Br<sub>3</sub>** 1) **Tetraterbentendihydropromid** (A. ch. [5] 6, 47). — III, 541.  
 C 58,5 — H 8,3 — O 33,2 — M. G. 820.
- C<sub>46</sub>H<sub>56</sub>Br<sub>4</sub>** 1) **Gratiosoletin** (J. 1858, 518). — III, 592.
- C<sub>46</sub>H<sub>56</sub>Cl<sub>2</sub>** 1) **Dichlorfichtelit** (A. 103, 246).
- C<sub>46</sub>H<sub>56</sub>Br<sub>2</sub>** 1) **Dibromfichtelit** (A. 103, 247).
- C<sub>46</sub>H<sub>56</sub>S** 1) **Verbindung** (aus Asphalt). Sd. 188°. — III, 565.
- C<sub>46</sub>H<sub>56</sub>Br** 1) **Bromfichtelit** (A. 103, 247).
- C<sub>46</sub>H<sub>56</sub>O** 1) **C 84,8 — H 12,4 — O 2,8 — M. G. 566.**
- C<sub>46</sub>H<sub>56</sub>O<sub>4</sub>** 1) **Quassol + H<sub>2</sub>O**. Sm. 149—151° (C. 1895 [1] 435).  
 C 78,2 — H 11,4 — O 10,4 — M. G. 614.
- C<sub>46</sub>H<sub>56</sub>O<sub>18</sub>** 1) **Dicetylester d. Benzol-1,2-Dicarbonsäure**. Sm. 42—43° (B. 30, 783).  
 C 57,3 — H 8,3 — O 34,4 — M. G. 838.
- C<sub>46</sub>H<sub>56</sub>O<sub>20</sub>** 1) **Parillin + xH<sub>2</sub>O**. Sm. 210° u. Zers. (J. 1877, 906). — III, 599.  
 C 48,1 — H 7,0 — O 44,9 — M. G. 998.
- C<sub>46</sub>H<sub>56</sub>O<sub>21</sub>** 1) **Crocin** (B. 17, 2230; A. 278, 357).
- C<sub>46</sub>H<sub>56</sub>O<sub>22</sub>** C 70,4 — H 10,8 — O 18,8 — M. G. 682.
- C<sub>46</sub>H<sub>56</sub>O<sub>23</sub>** 1)  **$\alpha$ -Dicyetylbutan- $\alpha\alpha\delta\delta$ -Tetracarbonsäure**. Ca, Ag, (Soc. 65, 1114).

**C<sub>40</sub>-Gruppe mit drei Elementen.**

- C<sub>40</sub>H<sub>12</sub>O<sub>10</sub>Br<sub>2</sub>**: 1) Verbindung (aus Tetrabromfluorescein) (*A. 183*, 60). — **II, 2064.**
- C<sub>40</sub>H<sub>26</sub>O<sub>13</sub>S<sub>4</sub>**: 1) Di[2-Naphtylester-6-Sulfosäure] d. **2,2-Dinaphyläther-6,6-Disulfosäure**. K<sub>2</sub> (*B. 14*, 1481). — **II, 891.**
- C<sub>40</sub>H<sub>26</sub>O<sub>18</sub>N<sub>8</sub>**: C 54,9 — H 3,0 — O 29,3 — N 12,8 — M. G. 874.
- C<sub>40</sub>H<sub>27</sub>ON<sub>5</sub>**: 1) Verbindung (aus Chinoxalindicarbonsäure). Zers. bei 170° (*B. 27*, 2186). C 85,0 — H 4,8 — O 2,8 — N 7,4 — M. G. 565.
- C<sub>40</sub>H<sub>27</sub>ON<sub>5</sub>**: 1) 4-[1-Naphyl]imido-**2,3-Di[1-Naphyl]amido-1-Keto-1,4-Dihydronaphthalin**. Sm. 212° (*A. 272*, 354). — **IV, 1166.**
- C<sub>40</sub>H<sub>28</sub>O<sub>2</sub>N<sub>2</sub>**: C 84,5 — H 4,9 — O 5,6 — N 4,9 — M. G. 568.
- C<sub>40</sub>H<sub>28</sub>O<sub>2</sub>N<sub>2</sub>**: 1) 1,3-Di[Benzoyl-2-Naphylamido]benzol. Sm. 215° (*B. 26*, 981). — **IV, 574.**
- C<sub>40</sub>H<sub>28</sub>O<sub>2</sub>N<sub>2</sub>**: 2) 1,4-Di[Benzoyl-2-Naphylamido]benzol. Sm. 220° (*B. 22*, 1042). — **IV, 594.**
- C<sub>40</sub>H<sub>28</sub>O<sub>2</sub>N<sub>2</sub>**: 3) Verbindung (aus Flavindulin u. Desoxybenzoin) (*B. 31*, 3076).
- C<sub>40</sub>H<sub>28</sub>O<sub>4</sub>N<sub>4</sub>**: C 80,0 — H 4,7 — O 10,6 — N 4,7 — M. G. 600.
- C<sub>40</sub>H<sub>28</sub>O<sub>4</sub>N<sub>4</sub>**: 1) 1,4-Di[2,5-Diphenyl-1-Pyrrol]benzol-1<sup>1</sup>,4<sup>2</sup>-Dicarbonsäure. Sm. oberh. 300° (*B. 22*, 3095). — **IV, 450.**
- C<sub>40</sub>H<sub>28</sub>O<sub>4</sub>Si**: 1) 1-Tetranaphylester d. Kieselsäure. Sd. 425—430°<sub>150</sub> (*B. 18*, 1696). — **II, 858.**
- C<sub>40</sub>H<sub>28</sub>O<sub>4</sub>Si**: 2) 2-Tetranaphylester d. Kieselsäure. Sd. 430°<sub>150</sub> (*B. 18*, 1697). — **II, 877.**
- C<sub>40</sub>H<sub>28</sub>N<sub>2</sub>S**: 1) Thio-β-Tetranaphylidiamin. Sm. 287° (n. 303°) u. Zers. (*B. 21*, 2811). — **II, 869.**
- C<sub>40</sub>H<sub>29</sub>O<sub>6</sub>N<sub>4</sub>**: C 72,5 — H 4,5 — O 14,5 — N 8,5 — M. G. 662.
- C<sub>40</sub>H<sub>29</sub>O<sub>6</sub>N<sub>4</sub>**: 1) Dibenzoot d. **4,4'-Di[2,5-Dioxyphenylazo]-3,3'-Dimethylbiphenyl** (*B. 26*, 1911). — **IV, 1447.**
- C<sub>40</sub>H<sub>31</sub>O<sub>6</sub>N**: C 77,3 — H 5,0 — O 15,5 — N 2,2 — M. G. 621.
- C<sub>40</sub>H<sub>31</sub>O<sub>6</sub>N**: 1) Verbindung (aus d. Verb. C<sub>20</sub>H<sub>15</sub>O<sub>3</sub>Cl). Sm. 267° u. Zers. (*Soc. 50*, 22). — **II, 1908.**
- C<sub>40</sub>H<sub>32</sub>O<sub>6</sub>N<sub>4</sub>**: C 69,0 — H 4,6 — O 18,4 — N 8,0 — M. G. 696.
- C<sub>40</sub>H<sub>32</sub>O<sub>6</sub>N<sub>4</sub>**: 1) Diacetyl derivat d. Verb. C<sub>36</sub>H<sub>32</sub>O<sub>6</sub>N<sub>4</sub>. Sm. 201—202° (*B. 25*, 1569). — **II, 1186.**
- C<sub>40</sub>H<sub>32</sub>N<sub>4</sub>Si**: 1) 1-Naphylamid d. Kieselsäure (*Soc. 55*, 482). — **II, 605.**
- C<sub>40</sub>H<sub>32</sub>N<sub>4</sub>Si**: 2) 2-Naphylamid d. Kieselsäure (*Soc. 55*, 481). — **II, 615.**
- C<sub>40</sub>H<sub>33</sub>O<sub>2</sub>N**: C 85,9 — H 5,9 — O 5,7 — N 2,5 — M. G. 559.
- C<sub>40</sub>H<sub>33</sub>O<sub>2</sub>N**: 1) 1-Naphylid[β-Benzoyl-α-Phenyläthyl]amin. Sm. 180° (*B. 31*, 352).
- C<sub>40</sub>H<sub>33</sub>O<sub>19</sub>N<sub>4</sub>**: C 63,0 — H 4,5 — O 25,2 — N 7,3 — M. G. 762.
- C<sub>40</sub>H<sub>33</sub>O<sub>19</sub>N<sub>4</sub>**: 1) Diäthylester d. **Tetracarboxyphenylamidobenzol-1,4-Dicarbonsäure**. Sm. 258—260° (*B. 23*, 267). — **II, 2068.**
- C<sub>40</sub>H<sub>36</sub>O<sub>4</sub>N<sub>2</sub>**: C 79,0 — H 5,9 — O 10,5 — N 4,6 — M. G. 608.
- C<sub>40</sub>H<sub>36</sub>O<sub>4</sub>N<sub>2</sub>**: 1) Diäthylester d. **4,4'-Di[2-Methyl-5-Phenyl-1-Pyrazolyl]biphenyl-4,4'-Dicarbonsäure**. Sm. 178—179° (*B. 19*, 3161). — **IV, 357.**
- C<sub>40</sub>H<sub>36</sub>O<sub>7</sub>PF<sub>4</sub>**: 1) Phosphoroscellinsäure (*G. 14*, 462). — **II, 1753.**
- C<sub>40</sub>H<sub>36</sub>N<sub>8</sub>S**: 1) Thiotetraphenyl[3-Methylphenyl]guanidin. Sm. 106° (*B. 20*, 675). — **II, 821.**
- C<sub>40</sub>H<sub>36</sub>ON<sub>4</sub>**: C 81,4 — H 6,4 — O 2,7 — N 9,5 — M. G. 590.
- C<sub>40</sub>H<sub>36</sub>ON<sub>4</sub>**: 1) Oxyd (aus d. Base C<sub>39</sub>H<sub>35</sub>NCD + 4H<sub>2</sub>O). Sm. 130° (220° wasserfrei). 4H<sub>2</sub>SO<sub>4</sub> + SH<sub>2</sub>O (*Bl. [3] 11*, 1034). — **IV, 1046.**
- C<sub>40</sub>H<sub>38</sub>O<sub>2</sub>N<sub>4</sub>**: C 68,4 — H 5,4 — O 18,2 — N 8,0 — M. G. 702.
- C<sub>40</sub>H<sub>38</sub>O<sub>2</sub>N<sub>4</sub>**: 1) β-Tetra(Diacetylamo)-1,3,5-Triphenylbenzol. Sm. 156—158° (*B. 23*, 2535). — **IV, 1304.**
- C<sub>40</sub>H<sub>38</sub>O<sub>2</sub>N<sub>4</sub>**: 2) isom. β-Tetra[Diacetylamo]-1,3,5-Triphenylbenzol. Sm. 142—143° (*B. 23*, 2536). — **IV, 1304.**
- C<sub>40</sub>H<sub>40</sub>O<sub>6</sub>N<sub>6</sub>**: C 68,6 — H 5,7 — O 13,7 — N 12,0 — M. G. 700.
- C<sub>40</sub>H<sub>41</sub>O<sub>9</sub>N<sub>3</sub>**: 1) Phyllotaonin (*A. 278*, 341; **284**, 92; **288**, 210; *Soc. 56*, 279). — **III, 658.**
- C<sub>40</sub>H<sub>41</sub>O<sub>9</sub>N<sub>3</sub>**: C 67,9 — H 5,8 — O 20,4 — N 5,9 — M. G. 707.
- C<sub>40</sub>H<sub>41</sub>O<sub>9</sub>N<sub>3</sub>**: 1) p-Aethoxylglauconinsäure. Na (*B. 31*, 693). — **IV, 1220.**
- C<sub>40</sub>H<sub>42</sub>O<sub>9</sub>N<sub>2</sub>**: C 61,7 — H 5,4 — O 18,5 — N 14,4 — M. G. 778.
- C<sub>40</sub>H<sub>42</sub>O<sub>9</sub>N<sub>2</sub>**: 1) Tetraspartiditetraanilid. Zers. oberh. 235° (*A. 303*, 212).
- C<sub>40</sub>H<sub>45</sub>O<sub>5</sub>Cl**: 1) Verbindung (aus Chekenon). Sm. 180—181° (*B. 21* [2] 841).

- C<sub>40</sub>H<sub>46</sub>O<sub>3</sub>N<sub>4</sub>** C 76,2 — H 7,3 — O 7,6 — N 8,9 — M. G. 630.  
 1) **Diochonchinin.** 2(2HCl, PtCl<sub>4</sub>) + 4H<sub>2</sub>O (*B.* 10, 2155; **16**, 59, 60). — **III**, 861.  
**C<sub>40</sub>H<sub>46</sub>O<sub>3</sub>N<sub>2</sub>** C 70,4 — H 6,7 — O 11,8 — N 4,1 — M. G. 682.  
 1) **Diacetylidicodein.** (*Soc.* **25**, 507). — **III**, 906.  
 2) **Acetylbutyryldimorphin.** 2HCl + 8H<sub>2</sub>O (*Soc.* **28**, 20). — **III**, 899.  
**C<sub>40</sub>H<sub>46</sub>O<sub>9</sub>N<sub>12</sub>** C 57,3 — H 5,5 — O 17,2 — N 20,0 — M. G. 838.  
 1) **Tetraspartotetraphenylhydrazid** (*A.* 303, 201).  
**C<sub>40</sub>H<sub>47</sub>O<sub>6</sub>N<sub>11</sub>** C 61,8 — H 6,0 — O 12,3 — N 19,8 — M. G. 777.  
 1) **4-Nitroso-1-Dimethylamidoobenzolhydrocyanid + Nitrobenzol** (*M.* **6**, 537). — **II**, 330.  
**C<sub>40</sub>H<sub>47</sub>O<sub>12</sub>N** C 65,5 — H 6,4 — O 26,2 — N 1,9 — M. G. 733.  
 1) **Benzoylapoaconitin.** Sm. bei 130° (*Soc.* **33**, 324). — **III**, 773.  
**C<sub>40</sub>H<sub>47</sub>O<sub>23</sub>Br<sub>41</sub>** Säure (aus 3-Brom-4-Oxybenzolmethyläther-1-Carbonsäureäthylester). Sm. 149—150°. Ba<sub>2</sub> + 21H<sub>2</sub>O (*G.* 11, 406). — **II**, 1537.  
**C<sub>40</sub>H<sub>48</sub>O<sub>4</sub>N<sub>4</sub>** C 74,1 — H 7,4 — O 9,9 — N 8,6 — M. G. 648.  
 1) **Chinin-Conchinin + 2<sup>1/4</sup>(3)H<sub>2</sub>O. + C<sub>6</sub>H<sub>6</sub>** (*A.* **243**, 146; *J.* 1883, 1347). — **III**, 824.  
**C<sub>40</sub>H<sub>48</sub>O<sub>4</sub>N<sub>6</sub>** C 71,0 — H 7,1 — O 9,5 — N 12,4 — M. G. 676.  
 1) **1,3-Dinitrobenzol + 2 Molec. Di[4-Dimethylamidophenyl]methan.** Sm. 74° (*R.* 7, 227). — **IV**, 974.  
**C<sub>40</sub>H<sub>48</sub>O<sub>4</sub>N<sub>10</sub>** C 65,6 — H 6,5 — O 8,7 — N 19,1 — M. G. 732.  
 1) **4-Nitroso-1-Dimethylamidoobenzolhydrocyanid + Benzol** (*M.* **6**, 537). — **II**, 330.  
**C<sub>40</sub>H<sub>49</sub>O<sub>4</sub>N<sub>11</sub>** C 64,3 — H 6,6 — O 8,6 — N 20,5 — M. G. 747.  
 1) **4-Nitroso-1-Dimethylamidoobenzolhydrocyanid + Amidobenzol** (*M.* **6**, 537). — **II**, 330.  
**C<sub>40</sub>H<sub>50</sub>O<sub>4</sub>N<sub>4</sub>** C 73,9 — H 7,7 — O 9,8 — N 8,6 — M. G. 650.  
 1) **Conchininhydrochinin + 2<sup>1/4</sup>H<sub>2</sub>O** (*A.* **241**, 259). — **III**, 860.  
**C<sub>40</sub>H<sub>52</sub>O<sub>4</sub>Si** 1) **Tetra[4-tert. Butylphenylester] d. Kieselsäure.** Sd. 380°<sub>120</sub> (*B.* 18, 1692). — **II**, 765.  
 2) **Tetra[2-Methyl-5-Isopropylphenylester] d. Kieselsäure.** Sd. 380 bis 390°<sub>118</sub> (*B.* 18, 1694). — **II**, 767.  
 3) **Tetra[3-Methyl-6-Isopropylphenylester] d. Kieselsäure.** Sm. 47 bis 48°; Sd. 450° (*B.* 18, 1693). — **II**, 770.  
**C<sub>40</sub>H<sub>52</sub>O<sub>5</sub>N<sub>2</sub>** 1) **Thymolochein** (*B.* 7, 1100; **21**, 252). — **II**, 774.  
**C<sub>40</sub>H<sub>53</sub>O<sub>4</sub>N<sub>1</sub>** C 62,3 — H 6,9 — O 29,0 — N 1,8 — M. G. 771.  
 1) **Triacetylalaconitin** (oder C<sub>28</sub>H<sub>48</sub>O<sub>12</sub>N). Sm. 207° (*Soc.* **67**, 462). — **III**, 773.  
**C<sub>40</sub>H<sub>54</sub>O<sub>5</sub>N<sub>4</sub>** C 66,8 — H 7,5 — O 17,8 — N 7,8 — M. G. 718.  
 1) **Nitrocampferchinin + H<sub>2</sub>O.** Sm. 131° u. Zers. (*Bl.* **49**, 97). — **III**, 813.  
**C<sub>40</sub>H<sub>54</sub>O<sub>12</sub>N<sub>2</sub>** C 63,5 — H 7,4 — O 25,4 — N 3,7 — M. G. 756.  
 1) **Mycoctonin.** Sm. 143,6° (*C.* **1895** [1] 1184).  
**C<sub>40</sub>H<sub>56</sub>O<sub>21</sub>N<sub>4</sub>** C 51,7 — H 6,0 — O 36,2 — N 6,0 — M. G. 928.  
 1) **Kolamin** (*C.* **1898** [2] 217).  
**C<sub>40</sub>H<sub>58</sub>O<sub>4</sub>N** C 81,8 — H 10,4 — O 5,4 — N 2,4 — M. G. 587.  
 1) **Solanin** (oder C<sub>28</sub>H<sub>44</sub>O<sub>4</sub>N). Sm. 191°; subl. HCl + H<sub>2</sub>O, H<sub>2</sub>SO<sub>4</sub> + SH<sub>2</sub>O (*A.* **118**, 140; *M.* **10**, 552; *Fr.* **21**, 620). — **III**, 612.  
**C<sub>40</sub>H<sub>58</sub>O<sub>5</sub>Cl<sub>2</sub>** 1) **Verbindung** (aus Caryophyllin) (*B.* 13, 800). — **III**, 626.  
**C<sub>40</sub>H<sub>58</sub>O<sub>5</sub>Cl<sub>2</sub>** 1) **Verbindung** (aus Caryophyllin) (*B.* 13, 800). — **III**, 626.  
**C<sub>40</sub>H<sub>58</sub>O<sub>9</sub>N<sub>2</sub>** C 75,5 — H 10,0 — O 10,0 — N 4,4 — M. G. 636.  
 1) **Chlorophyll** (aus Spinat) (*C.* **1895** [1] 656).  
**C<sub>40</sub>H<sub>60</sub>O<sub>4</sub>Cl<sub>1</sub>** 1) **Dicetylester d. 3,4,5,6-Tetrachlorbenzol-1,2-Dicarbonsäure.** Sm. 49—50° (*B.* **30**, 786).  
**C<sub>40</sub>H<sub>70</sub>O<sub>4</sub>Si** 1) **Tetramenthylester d. Kieselsäure.** Sm. 82°; Sd. 350°<sub>155</sub> (*B.* 18, 1695). — **III**, 466.

### C<sub>40</sub>-Gruppe mit vier Elementen.

- C<sub>40</sub>H<sub>72</sub>ON<sub>2</sub>Cl** 1) **Chlorid d. Verbindung** C<sub>40</sub>H<sub>72</sub>O<sub>4</sub>N<sub>2</sub>. 2 isom. Formen (*B.* 31, 3075).  
**C<sub>40</sub>H<sub>68</sub>O<sub>2</sub>N<sub>2</sub>S** 1) **Chininsulfonsäure**? Ba (*A.* **108**, 353, 354). — **III**, 816.  
**C<sub>40</sub>H<sub>54</sub>O<sub>2</sub>N<sub>4</sub>P<sub>4</sub>** 1) **Salmonucleinsäure** (*C.* **1896** [2] 102; *H.* **23**, 404, 409). — **IV**, 1623.

**C<sub>41</sub>-Gruppe mit zwei Elementen.**

- C<sub>41</sub>H<sub>30</sub>N<sub>2</sub>** C 89,4 — H 5,4 — N 5,1 — M. G. 550.  
1) **2,4,5-Triphenyl-1,3-Di[1-Naphthyl]-2,3-Dihydroimidazol** (*B. 27*, 571).  
**C<sub>41</sub>H<sub>32</sub>O<sub>1</sub>** C 83,7 — H 5,4 — O 10,9 — M. G. 588.  
1) **Dibenzoat d. ββ-Di[<sup>2</sup>-Oxophenyl]-αγ-Diphenylpropan** (*B. 25*, 1275). — **II, 1152.**  
**C<sub>41</sub>H<sub>32</sub>O<sub>11</sub>** C 70,3 — H 4,6 — O 25,1 — M. G. 700.  
1) **Tetrabenzoylhelicin** (*A. 154*, 26). — **III, 69.**  
2) **Pentabenzoyl d. Galaktose**. Sm. 165° (*M. 10*, 397; *J. r. 23*, 377). — **II, 1143.**  
3) **Pentabenzoyl d. Glykose**. Sm. 179° (*M. 10*, 396; *H. 14*, 337). — **II, 1143.**  
4) **Pentabenzoyl d. Lävulose**. Sm. 78—79° (*J. r. 23*, 375). — **II, 1143.**  
**C<sub>41</sub>H<sub>34</sub>O<sub>11</sub>** C 70,1 — H 4,8 — O 25,1 — M. G. 702.  
1) **Tetrabenzoyl d. Salicin** (*A. 154*, 8). — **III, 609.**  
**C<sub>41</sub>H<sub>34</sub>O<sub>15</sub>** C 64,2 — H 4,4 — O 31,3 — M. G. 766.  
1) **Ratanhiatannoform** (*C. 1896* [1] 560).  
**C<sub>41</sub>H<sub>36</sub>O<sub>9</sub>** C 85,1 — H 6,6 — O 8,3 — M. G. 578.  
1) **ββ-Diketo-ε-Aethanoyl-γδεη-Pentaphenylnonan**? Sm. 175° (*M. 19*, 416).  
2) **αγε-Tri[4-Methylbenzoyl]-βδ-Diphenylpentan** (Dibenzaltri-Methyl-p-Tolylketon). Sm. 228° (*B. 29*, 2247).  
**C<sub>41</sub>H<sub>36</sub>O<sub>2</sub>** C 83,1 — H 11,5 — O 5,4 — M. G. 592.  
1) **Dipropionylilicin**. Sm. 209° (*B. 28* [2] 236).  
**C<sub>41</sub>H<sub>36</sub>O<sub>4</sub>** C 78,8 — H 10,9 — O 10,3 — M. G. 624.  
1) **α-Copal-Resen**. Sm. 75—77° (*C. 1896* [2] 796).  
**C<sub>41</sub>H<sub>36</sub>O<sub>37</sub>** C 42,7 — H 5,9 — O 51,4 — M. G. 1152.  
1) **Arabinose** (*Soc. 45*, 54). — **I, 1101.**  
**C<sub>41</sub>H<sub>36</sub>O<sub>7</sub>** C 82,3 — H 12,4 — O 5,3 — M. G. 598.  
1) **Benzoyl d. Verbindung C<sub>41</sub>H<sub>36</sub>O (aus Hummelwachs)**. Sm. 55° (*H. 26*, 59).  
**C<sub>41</sub>H<sub>36</sub>O<sub>6</sub>** C 73,9 — H 11,7 — O 14,4 — M. G. 666.  
1) **Glycerinacetodistearin**. Sm. 28—30° (*J. pr. [2] 28*, 230). — **I, 446.**

**C<sub>41</sub>-Gruppe mit drei Elementen.**

- C<sub>41</sub>H<sub>28</sub>ON<sub>2</sub>** C 87,2 — H 5,0 — O 2,8 — N 5,0 — M. G. 564.  
1) **2-Tetraphenylbarnstoff**. Sm. 287—288° (294—295°) (*B. 23*, 1542, 2162). — **II, 618.**  
**C<sub>41</sub>H<sub>28</sub>O<sub>1</sub>N<sub>2</sub>** C 79,9 — H 5,2 — O 10,4 — N 4,5 — M. G. 616.  
1) **Benzoyl d. 3,5-Di[4-Methylphenylbenzoylamido]-1-Oxybenzol**. Sm. 262—264° (*G. 20*, 335). — **II, 1178.**  
**C<sub>41</sub>H<sub>32</sub>O<sub>10</sub>N** C 70,4 — H 4,7 — O 22,9 — N 2,0 — M. G. 699.  
1) **Pentabenzoylglykosamin**. Sm. 203° (*M. 12*, 436; siehe auch *B. 19*, 320; *H. 14*, 359). — **II, 1195.**  
**C<sub>41</sub>H<sub>32</sub>O<sub>10</sub>N<sub>2</sub>** C 65,0 — H 4,6 — O 21,1 — N 9,2 — M. G. 757.  
1) **Phenylcarbamidsaccharin**. Sm. 230—240° u. Zers. (*B. 18*, 2607). — **II, 372.**  
**C<sub>41</sub>H<sub>32</sub>O<sub>10</sub>N<sub>5</sub>** C 64,8 — H 4,8 — O 21,1 — N 9,2 — M. G. 759.  
1) **Phenylamidoformiat d. Quercit**. Sm. 120—140° (*B. 18*, 2606). — **II, 372.**  
**C<sub>41</sub>H<sub>34</sub>ON<sub>3</sub>** C 83,5 — H 6,6 — O 2,8 — N 7,1 — M. G. 589.  
1) **Tri[4-Methylphenyl]rosanilin**. Chlorid (*A. 132*, 290). — **II, 1093.**  
**C<sub>41</sub>H<sub>36</sub>O<sub>11</sub>N<sub>2</sub>** C 63,3 — H 5,0 — O 22,6 — N 9,0 — M. G. 777.  
1) **Phenylamidoformiat d. Mannit**. Sm. 260° u. Zers. (*B. 18*, 970). — **II, 372**  
2) **Phenylamidoformiat d. Dulcit**. Sm. 250—252° (*B. 18*, 971). — **II, 372.**  
**C<sub>41</sub>H<sub>40</sub>O<sub>3</sub>N<sub>3</sub>** C 77,0 — H 6,4 — O 10,0 — N 6,6 — M. G. 639.  
1) **3'-Nitro-5<sup>1</sup>,5<sup>2</sup>-Di[Benzoylamido]-2<sup>1</sup>,2<sup>2</sup>-Diisobutyltriphenylmethan**. Sm. 113—114° (*B. 21*, 3215). — **IV, 1049.**  
2) **4'-Nitro-5<sup>1</sup>,5<sup>2</sup>-Di[Benzoylamido]-2<sup>1</sup>,2<sup>2</sup>-Diisobutyltriphenylmethan**. Sm. 125—126° (*B. 21*, 3214). — **IV, 1049.**

- $C_{41}H_{42}O_6N_6$  C 68,9 — H 5,9 — O 13,4 — N 11,8 — M. G. 714.  
 1) **Methyläther d. Phyllotaonin.** Sm. 210° (A. 278, 337). — III, 658.
- $C_{41}H_{44}O_9N_2$  C 69,5 — H 6,2 — O 20,3 — N 4,0 — M. G. 708.  
 1) **Triacetat d. Pseudomorphinmonomethyläther.** (2HCl, PtCl<sub>4</sub>) (A. 294, 217).
- $C_{41}H_{47}O_{10}N$  C 69,0 — H 6,6 — O 22,5 — N 1,9 — M. G. 713.  
 1) **Dibenzoylapopseudaconin** (*Soc.* 33, 330). — III, 776.
- $C_{41}H_{50}O_6N_{10}$  C 65,9 — H 6,7 — O 8,6 — N 18,8 — M. G. 746.  
 1) **4-Nitroso-1-Dimethylamido-benzolhydrocyanid + Methylbenzol (M. 6, 537).** — II, 330.
- $C_{41}H_{52}O_6N_{12}$  C 59,1 — H 9,1 — O 11,5 — N 20,2 — M. G. 832.  
 1) **Benzylidenditetraanthohexaureid** (A. 151, 197). — III, 33.
- $C_{41}H_{54}O_9N$  C 67,3 — H 11,1 — O 19,7 — N 1,9 — M. G. 731.  
 1) **Phrenosinhydrat** (*J. pr.* [2] 25, 27). — III, 574.
- $C_{41}H_{54}O_6N_{13}$  C 58,5 — H 10,0 — O 11,4 — N 20,0 — M. G. 840.  
 1) **Oenanthehexureid.** Sm. 150° (A. 151, 190). — I, 1314.

### $C_{41}$ -Gruppe mit vier Elementen.

- $C_{41}H_{24}ON_2S_2$  1) **Dithio- $\beta$ -Tetranaphthylharnstoff.** Sm. oberh. 350° (B. 24, 2918). — II, 870.

### $C_{42}$ -Gruppe mit zwei Elementen.

- $C_{42}H_{22}O_{12}$  C 70,2 — H 3,1 — O 26,7 — M. G. 718.  
 1) **Tetrabenzoylellagsäure** (M. 13, 54). — II, 2085.
- $C_{42}H_{20}O_{13}$  C 67,9 — H 4,0 — O 28,0 — M. G. 742.
- $C_{42}H_{21}O_8$  1) **Katechurtein + 6H<sub>2</sub>O** (A. 128, 291; 186, 337). — III, 686.
- $C_{42}H_{21}O_6$  C 79,8 — H 5,0 — O 15,2 — M. G. 632.  
 1) **Bensilbenzoin.** Sm. 134—135° (B. 19, 1866). — III, 281.
- $C_{42}H_{21}N_6$  C 81,3 — H 5,2 — N 13,5 — M. G. 620.  
 1) **Base** (aus Phenosafranin), siehe auch  $C_{48}H_{37}N_5$ . HCl, HBr (B. 29, 371). — IV, 1327.
- $C_{42}H_{23}N_5$  C 83,0 — H 5,4 — N 11,5 — M. G. 607.  
 1) **Azobenzolsäured** (A. 38, 331). — III, 27.
- $C_{42}H_{24}O_{10}$  C 72,2 — H 4,9 — O 22,9 — M. G. 698.
- $C_{42}H_{24}O_{15}$  1) **Tribenzoylguajacinsäure.** Sm. 155—158° (C. 1897 [1] 167).
- $C_{42}H_{24}O_{15}$  C 64,8 — H 4,4 — O 30,8 — M. G. 778.  
 1) **Katechinanhydrid** (A. 186, 336). — III, 686.
- $C_{42}H_{24}O_{16}$  C 63,5 — H 4,3 — O 32,2 — M. G. 794.  
 1) **Katechin** (aus Araçouholz). Sm. 164—165° (Bl. 30, 568). — III, 687.
- $C_{42}H_{24}O_{17}$  C 62,2 — H 4,2 — O 33,6 — M. G. 810.  
 1) **Fichtenroth** (B. 17, 1128). — III, 681.
- $C_{42}H_{26}O_{18}$  C 72,0 — H 5,1 — O 22,9 — M. G. 700.  
 1) **Pentabenzosäure d. Alkohole C<sub>7</sub>H<sub>16</sub>O<sub>5</sub>** (aus Diallylcarbinol). Fl. (*J. pr.* [2] 41, 62). — II, 1142.
- $C_{42}H_{26}O_{18}$  C 67,4 — H 4,8 — O 27,8 — M. G. 748.  
 1) **Tribenzoylphloridzin** (A. 156, 11). — III, 600.
- $C_{42}H_{26}O_{16}$  C 63,3 — H 4,5 — O 32,2 — M. G. 796.  
 1) **Katechin** (aus braunem Katechu). Sm. 140° (Bl. 28, 146). — III, 687.  
 2) **Katechin** (aus gelbem Katechu). Sm. 188—190° (Bl. 28, 146). — III, 687.
- $C_{42}H_{26}N_4$  C 84,6 — H 6,0 — N 9,4 — M. G. 596.  
 1) **Verbindung** (Base aus d. Phenylamid d. Benzolcarbonsäure). Sm. 217° (B. 10, 1720). — II, 1162.
- $C_{42}H_{26}O_{13}$  C 67,2 — H 5,1 — O 27,7 — M. G. 750.  
 1) **Acetyliderivat d. Chrysophanhydranthron.** Sm. 230—231° (B. 21, 437). — III, 453.
- $C_{42}H_{26}O_{16}$  C 63,3 — H 4,7 — O 32,1 — M. G. 798.  
 1) **b-Katechin + H<sub>2</sub>O.** Sm. 176—177° (Bl. 30, 567). — III, 682.

- C<sub>42</sub>H<sub>40</sub>O<sub>5</sub>** C 80,8 — H 6,4 — O 12,8 — M. G. 624.  
 1) Diäthyläther d. 2,2'-Dioxydibenzylidentriacetophenon. Sm. 190 bis 192° (B. 29, 1893).  
 2) Diäthyläther d. 3,3'-Dioxydibenzylidentriacetophenon. Sm. 225° (B. 29, 1894).  
 3) Diäthyläther d. 4,4'-Dioxydibenzylidentriacetophenon. Sm. 253 bis 257° (B. 29, 1894).  
**C<sub>42</sub>H<sub>44</sub>O<sub>22</sub>** C 56,0 — H 4,9 — O 39,1 — M. G. 900.  
 1) Oktacetylruberythrinsäure. Sm. 230° (B. 20, 2244). — III, 607.  
**C<sub>42</sub>H<sub>46</sub>O<sub>23</sub>** C 54,9 — H 5,0 — O 40,1 — M. G. 918.  
 1) Oktacetat d. 2-Oxybenzol-1-Carbonsäureglykosid. Sm. 110—111° (Am. 5, 173). — II, 1493.  
**C<sub>42</sub>H<sub>46</sub>O<sub>16</sub>** C 62,4 — H 5,9 — O 31,7 — M. G. 808.  
 1) Hexacetat d. Coriamyrtin + 3H<sub>2</sub>O. Sm. unter 100° (Z. 1866, 665). — III, 579.  
**C<sub>42</sub>H<sub>46</sub>O<sub>27</sub>** C 51,2 — H 4,9 — O 43,9 — M. G. 984.  
 1) Lokaconsäure. NH<sub>2</sub>(NH<sub>4</sub>)<sub>2</sub>, K<sub>2</sub>, Ba, Pb (B. 18, 3419). — III, 597.  
**C<sub>42</sub>H<sub>50</sub>O<sub>22</sub>** C 55,6 — H 5,5 — O 38,9 — M. G. 906.  
 1) Oktacetylhelicoidin. Sm. 80° (A. 154, 29). — III, 69.  
**C<sub>42</sub>H<sub>51</sub>N<sub>5</sub>** C 80,6 — H 8,2 — N 11,2 — M. G. 625.  
 1)  $\alpha\alpha\beta\beta$ -Penta[4-Dimethylamidophenyl]äthan + H<sub>2</sub>O (A. 206, 121). — IV, 1527.  
**C<sub>42</sub>H<sub>56</sub>O<sub>15</sub>** C 63,0 — H 7,0 — O 30,0 — M. G. 800.  
 1) Cnicin (A. 44, 208). — III, 628.  
**C<sub>42</sub>H<sub>56</sub>O<sub>10</sub>** C 69,2 — H 8,8 — O 22,0 — M. G. 728.  
 1) Myroxofluorin (C. 1897 [1] 421).  
**C<sub>42</sub>H<sub>56</sub>O<sub>12</sub>** C 66,1 — H 8,6 — O 25,2 — M. G. 762.  
 1) Hexaisoamylester d. Benzolhexacarbonsäure. Fl. (J. 1862, 281). — II, 2105.  
**C<sub>42</sub>H<sub>56</sub>O<sub>4</sub>** C 79,2 — H 10,7 — O 10,1 — M. G. 636.  
 1) Dipropionat d.  $\alpha$ -Lactucerol. Sm. 152° (A. 234, 249). — II, 1068.  
**C<sub>42</sub>H<sub>56</sub>O<sub>2</sub>** C 83,1 — H 11,6 — O 5,3 — M. G. 606.  
 1) Echitein. Sm. 195° (A. 178, 69). — III, 630.  
**C<sub>42</sub>H<sub>74</sub>O<sub>2</sub>** C 82,6 — H 12,1 — O 5,2 — M. G. 610.  
 1) Palmitat d. Cholesterin. Sm. 78° (H. 21, 342).  
 2) Palmitat d. Phytosterin. Sm. 82° (B. 29 [2] 38).  
**C<sub>42</sub>H<sub>76</sub>O<sub>7</sub>** C 72,8 — H 11,0 — O 16,2 — M. G. 692.  
 1) Mannitandiolein (A. ch. [3] 47, 326). — I, 526.  
**C<sub>42</sub>H<sub>76</sub>O<sub>7</sub>** C 72,6 — H 11,2 — O 16,1 — M. G. 694.  
 1) Glykosedistearat (A. ch. [3] 60, 90). — I, 1049.  
**C<sub>42</sub>H<sub>80</sub>O<sub>2</sub>** C 72,4 — H 11,5 — O 16,1 — M. G. 696.  
 1) Dulcitanidstearat (BERTHELOT, Chim. org. synth. 2, 210). — I, 447.  
 2) Pinitanidstearat (BERTHELOT, Chim. org. synth. 2, 216). — I, 446.  
 3) Quercitndistearat (BERTHELOT, Chim. org. synth. 2, 219). — I, 446.  
**C<sub>42</sub>H<sub>84</sub>O<sub>5</sub>** C 81,3 — H 13,5 — O 5,2 — M. G. 620.  
 1) Myricylester d. Laurinsäure. Sm. 69—70° (Bl. [3] 11, 186).

### C<sub>42</sub>-Gruppe mit drei Elementen.

- C<sub>42</sub>H<sub>41</sub>O<sub>5</sub>N** C 85,9 — H 3,6 — O 8,2 — N 2,3 — M. G. 587.  
 1) Phenylamidodianhydrobisdiacetophenon (B. 31, 2089).  
**C<sub>42</sub>H<sub>24</sub>O<sub>17</sub>Br<sub>10</sub>** 1) Bromfichtenroth (B. 17, 1129). — III, 681.  
**C<sub>42</sub>H<sub>28</sub>O<sub>6</sub>N<sub>6</sub>** C 77,8 — H 4,3 — O 4,9 — N 13,0 — M. G. 648.  
 1) Verbindung (aus o-Dinitrodibenzyl-p-Toluidin) (B. 25, 3579). — IV, 1385.  
**C<sub>42</sub>H<sub>39</sub>O<sub>6</sub>N<sub>7</sub>** C 69,3 — H 4,0 — O 13,2 — N 13,5 — M. G. 727.  
 1) Tri[4-Nitrobenzyliden]hydrocyanrosanilin. Sm. 144—145° (B. 28, 210). — III, 16.  
**C<sub>42</sub>H<sub>40</sub>O<sub>6</sub>S<sub>1</sub>** 1) Tribenzosat d.  $\beta$ -Trithio-2-Oxybenzaldehyd. Sm. 218° (A. 277, 346). — III, 71.  
 2) Tribenzosat d.  $\beta$ -Trithio-3-Oxybenzaldehyd. Sm. 146° (A. 277, 347). — III, 81.

- C<sub>41</sub>H<sub>36</sub>O<sub>6</sub>S<sub>3</sub>** 3) Tribenzoat d.  $\beta$ -Trithio-4-Oxybenzaldehyd. Sm. 225° (A. 277, 350; B. 29, 141). — III, 84.
- C<sub>41</sub>H<sub>36</sub>N<sub>4</sub>S<sub>2</sub>** 1) Disulfid d. 2-Merkapto-1,4,5-Triphenylimidazol (A. 284, 31). — III, 225.
- C<sub>41</sub>H<sub>35</sub>O<sub>6</sub>N<sub>2</sub>** C 76,4 — H 4,8 — O 14,5 — N 4,2 — M. G. 660.
- 1) Dibenzoat d.  $\alpha\beta$ -Di[Benzoylemido]- $\alpha\beta$ -Di[2-Oxyphenyl]äthan. Sm. 246—248° (Soc. 45, 682; B. 17, 2408). — II, 994; III, 287.
- C<sub>41</sub>H<sub>35</sub>O<sub>4</sub>N<sub>4</sub>** C 76,6 — H 5,2 — O 9,7 — N 8,5 — M. G. 658.
- 1) Verbindung (aus Dibenzaldiphenylhydrotetrazon). Sm. 165—168° (G. 27 [2], 289). — IV, 749.
- C<sub>41</sub>H<sub>34</sub>O<sub>6</sub>N<sub>4</sub>** C 69,8 — H 4,7 — O 17,7 — N 7,8 — M. G. 722.
- 1) Tetracetat d. Verb. C<sub>5</sub>H<sub>26</sub>O<sub>4</sub>N<sub>4</sub>. Sm. 190—191° (B. 15, 1971). — II, 394.
- C<sub>41</sub>H<sub>36</sub>O<sub>5</sub>S<sub>3</sub>** 1) Tribenzylläther d.  $\alpha$ -Trithio-4-Oxybenzaldehyd. Sm. 127° (B. 29, 142). — III, 84.
- 2) Tribenzylläther d.  $\beta$ -Trithio-4-Oxybenzaldehyd. Sm. 198—199° + 2C<sub>6</sub>H<sub>6</sub> (B. 29, 143). — III, 84.
- C<sub>41</sub>H<sub>36</sub>N<sub>4</sub>S<sub>3</sub>** 1) AzoxybenzolschwefelwasserstoffP (A. 38, 327). — III, 28.
- C<sub>41</sub>H<sub>37</sub>O<sub>2</sub>N<sub>3</sub>** C 82,0 — H 6,0 — O 5,2 — N 6,8 — M. G. 615.
- 1) Benzalimid. Sm. 247° (B. 22, 1598). — III, 28.
- C<sub>41</sub>H<sub>36</sub>N<sub>6</sub>S<sub>2</sub>** Dithiodiphenyltetratolyldiguanidin. Sm. 118—119° (B. 20, 674). — II, 321.
- C<sub>41</sub>H<sub>40</sub>O<sub>6</sub>S<sub>6</sub>** 1) Tetraäthylläther d. 2,3,5,6-Tetramerkapto-1,4-Benzochinondibenzoyldithiobenzoylacetal. Sm. 131—132° (Am. 19, 293).
- C<sub>42</sub>H<sub>40</sub>O<sub>11</sub>N<sub>10</sub>** C 52,7 — H 4,2 — O 28,4 — N 14,6 — M. G. 956.
- 1) Oktaspartonanil (B. 30, 2452).
- C<sub>41</sub>H<sub>40</sub>O<sub>5</sub>N<sub>2</sub>J** 1) Jodmethylat d. Tribenzylrossaranilin (B. 6, 264). — II, 1093.
- C<sub>41</sub>H<sub>40</sub>O<sub>6</sub>N<sub>6</sub>** C 67,9 — H 5,7 — O 15,1 — N 11,3 — M. G. 742.
- 1) Acetat d. Phyllotaonin (A. 278, 342). — III, 658.
- C<sub>42</sub>H<sub>44</sub>O<sub>6</sub>N<sub>6</sub>** C 69,2 — H 6,0 — O 13,2 — N 11,5 — M. G. 728.
- 1) Aethyläther d. Phyllotaonin. Sm. bei 200° (A. 278, 339; 288, 210). — III, 658.
- C<sub>41</sub>H<sub>40</sub>O<sub>5</sub>N<sub>4</sub>** C 73,5 — H 6,7 — O 11,7 — N 8,1 — M. G. 686.
- 1) Verbindung (aus d. Base C<sub>15</sub>H<sub>11</sub>N<sub>3</sub>) (J. pr. [2] 38, 234). — II, 510.
- C<sub>42</sub>H<sub>46</sub>O<sub>2</sub>N<sub>4</sub>** C 70,2 — H 6,4 — O 15,6 — N 7,8 — M. G. 718.
- 1) Apovellosol. 4HBr + 5H<sub>2</sub>O, 4HJ + 5H<sub>2</sub>O (A. 282, 261). — III, 924.
- C<sub>41</sub>H<sub>46</sub>O<sub>10</sub>N<sub>10</sub>** C 59,4 — H 5,6 — O 18,8 — N 16,4 — M. G. 852.
- 1) Phenylhydrazonderivat d. Glykuronsäure. Sm. 114—115° (H. 11, 395). — IV, 726.
- C<sub>41</sub>H<sub>37</sub>O<sub>2</sub>N<sub>4</sub>** C 68,1 — H 7,0 — O 17,3 — N 7,6 — M. G. 740.
- 1) Phenylhydrazinderivat d. Quassinin. Zers. bei 250° (G. 18, 169). — III, 647.
- C<sub>41</sub>H<sub>24</sub>O<sub>6</sub>N<sub>4</sub>** C 71,0 — H 7,6 — O 13,5 — N 7,8 — M. G. 710.
- 1) Apovellosoxin. Sm. 154°. (4HCl, PtCl<sub>4</sub>), 3HBr + 6H<sub>2</sub>O (A. 282, 262). — III, 924.
- C<sub>42</sub>H<sub>6</sub>O<sub>14</sub>N** C 62,6 — H 7,8 — O 27,8 — N 1,7 — M. G. 805.
- 1)  $\beta$ -Medicagophyll + 3H<sub>2</sub>O (C. 1895 [1] 655).
- C<sub>41</sub>H<sub>67</sub>O<sub>9</sub>Br<sub>3</sub>** 1) Tribromechitein. Sm. 150° (A. 178, 72). — III, 630.
- C<sub>41</sub>H<sub>69</sub>O<sub>2</sub>N<sub>2</sub>** C 70,8 — H 9,6 — O 15,7 — N 3,9 — M. G. 712.
- 1) Delphinoïdin. 2HCl (2HCl, 2AuCl<sub>4</sub>), 2HNO<sub>3</sub>, H<sub>2</sub>SO<sub>4</sub>, Acetat (J. 1877, 896; Fr. 12, 219; 20, 118). — III, 880.
- C<sub>41</sub>H<sub>76</sub>O<sub>16</sub>S** 1) Dioxyricinolinsäureglycerinsulfat (B. 16, 2455; siehe auch M. 8, 214). — I, 761.

### C<sub>42</sub>-Gruppe mit vier Elementen.

- C<sub>42</sub>H<sub>28</sub>O<sub>6</sub>N<sub>4</sub>Br<sub>11</sub>** 1) Verbindung (aus Amidobenzol u. Xanthogallo). Sm. 204—205° (A. 245, 336). — II, 1014.
- C<sub>42</sub>H<sub>14</sub>O<sub>6</sub>N<sub>4</sub>Cl** 1) Dibenzoylelderivat d. Verb. C<sub>5</sub>H<sub>26</sub>O<sub>4</sub>N<sub>4</sub>Cl (B. 31, 1411).
- C<sub>42</sub>H<sub>40</sub>O<sub>6</sub>N<sub>5</sub>S** 1) Sulfon d. Pararosanilinacetat (B. 31, 509).
- C<sub>42</sub>H<sub>67</sub>O<sub>13</sub>N<sub>10</sub>Br** 1) Verbindung (aus Nackenband) (J. 1879, 870). — IV, 1585.
- C<sub>41</sub>H<sub>79</sub>O<sub>13</sub>NP** 1) Cephalin (B. 9, 950). — I, 343.
- C<sub>42</sub>H<sub>84</sub>O<sub>9</sub>NP** 1) Lecithin. (2HCl, PtCl<sub>4</sub>) (A. 148, 77). — I, 343.

**C<sub>43</sub>-Gruppe mit zwei Elementen.**

- C<sub>43</sub>H<sub>78</sub>O<sub>16</sub>** C 73,5 — H 3,7 — O 22,8 — M. G. 702.  
 1) Tetrabenzoat d. **Fisetin**. Sm. 184—185° (180—181°) (*B. 19*, 1745; *C. 1896* [2] 741; *Soc. 71*, 1195). — **III**, 584.
- C<sub>43</sub>H<sub>30</sub>N<sub>2</sub>** 2) Tetrabenzoat d. **Luteolin**. Sm. 200—201° (*Soc. 69*, 210). — **III**, 585. C 89,9 — H 5,2 — N 4,9 — M. G. 574.
- C<sub>43</sub>H<sub>38</sub>O<sub>10</sub>** 1) **1,1'-Benzylidendi-[2-a-Naphtylindol]**. Sm. 246° (*A. 272*, 205). — **IV**, 465.
- C<sub>43</sub>H<sub>38</sub>O<sub>10</sub>** C 72,3 — H 5,3 — O 22,4 — M. G. 714.
- C<sub>43</sub>H<sub>38</sub>O<sub>10</sub>** 1) **Tribenzoat d. Kosin** (*C. 1897* [2] 1077).
- C<sub>43</sub>H<sub>46</sub>O<sub>16</sub>** C 71,5 — H 6,4 — O 22,1 — M. G. 722.
- C<sub>43</sub>H<sub>50</sub>O<sub>16</sub>** 1) **Xanthoresinotannol** (*C. 1897* [1] 421). C 62,8 — H 6,1 — O 31,1 — M. G. 822.
- C<sub>43</sub>H<sub>50</sub>O<sub>16</sub>** 1) **Hexaacetal d. Kosin** (*J. 1874*, 900). — **III**, 634.
- C<sub>43</sub>H<sub>78</sub>O<sub>4</sub>** C 78,7 — H 11,6 — O 9,6 — M. G. 656.
- C<sub>43</sub>H<sub>78</sub>O<sub>13</sub>** 1) **Distearat d. 3,5-Dioxy-1-Methylbenzol** (*A. 112*, 362). — **II**, 961. C 64,5 — H 9,5 — O 26,0 — M. G. 800.
- C<sub>43</sub>H<sub>84</sub>O<sub>5</sub>** 1) **Lichenstearinsäure**, siehe C<sub>44</sub>H<sub>84</sub>O<sub>5</sub>.
- C<sub>43</sub>H<sub>84</sub>O<sub>5</sub>** C 75,9 — H 12,3 — O 11,8 — M. G. 680.
- C<sub>43</sub>H<sub>84</sub>O<sub>5</sub>** 1) **Glycerindiarachin**. Sm. 75° (*A. ch.* [3] **47**, 358). — **I**, 447. C 81,4 — H 13,6 — O 5,0 — M. G. 634.
- C<sub>43</sub>H<sub>84</sub>O<sub>5</sub>** 1) **Cerylester d. Palmitinsäure**. Sm. 79° (*B. 3*, 639). — **I**, 443.

**C<sub>43</sub>-Gruppe mit drei Elementen.**

- C<sub>43</sub>H<sub>51</sub>N<sub>4</sub>Cl** 1) **5-[Chlor-1-Naphtylat] d. 7,8-Di[1-Naphtylamido]-2-Methyl-5,10-Naphthiazin** (*B. 31*, 1788 Ann.). — **IV**, 1287.
- C<sub>43</sub>H<sub>51</sub>O<sub>15</sub>N** C 66,7 — H 6,6 — O 34,8 — N 1,8 — M. G. 773.
- 1) **Benzoylaposeudoaconitin** + H<sub>2</sub>O. (HCl, AuCl<sub>3</sub>), HNO<sub>3</sub> (*Soc. 33*, 151). — **III**, 775.
- C<sub>43</sub>H<sub>71</sub>O<sub>11</sub>Cl** 1) **Chlorid d. Lichenstearinsäure**. Fl. (*B. 23*, 463). — **I**, 625.

**C<sub>43</sub>-Gruppe mit vier Elementen.**

- C<sub>43</sub>H<sub>57</sub>O<sub>10</sub>N<sub>4</sub>P** 1) **bas. Chininglycerophosphat** + 7H<sub>2</sub>O (*C. 1898* [1] 782).
- C<sub>43</sub>H<sub>52</sub>O<sub>31</sub>N<sub>1</sub>S** 1) **Oxyproteinsäure**. Ba<sub>4</sub> (*C. 1897* [2] 619, 957). — **IV**, 1603.

**C<sub>44</sub>-Gruppe mit einem Element.**

- C<sub>44</sub>H<sub>59</sub>** C 91,3 — H 8,7 — M. G. 578.  
 1) **α-Abietin** (*Z. 1866*, 35). — **II**, 1436.  
**C<sub>44</sub>H<sub>59</sub>** C 91,0 — H 10,0 — M. G. 580.  
 1) **ε-Abietin** (*Z. 1866*, 35). — **II**, 1436.  
**C<sub>44</sub>H<sub>59</sub>** C 90,7 — H 9,3 — M. G. 582.  
 1) **δ-Abietin** (*Z. 1866*, 35). — **II**, 1436.  
**C<sub>44</sub>H<sub>59</sub>** C 90,4 — H 9,6 — M. G. 584.  
 1) **γ-Abietin** (*Z. 1866*, 35). — **II**, 1436.  
**C<sub>44</sub>H<sub>59</sub>** C 90,1 — H 9,9 — M. G. 586.  
 1) **β-Abietin** (*Z. 1866*, 35). — **II**, 1436.  
**C<sub>44</sub>H<sub>60</sub>** C 89,8 — H 10,2 — M. G. 588.  
 1) **α-Abietin**. Sd. 295—303° (*Z. 1866*, 35). — **II**, 1436.

**C<sub>44</sub>-Gruppe mit zwei Elementen.**

- C<sub>44</sub>H<sub>72</sub>O<sub>9</sub>** C 75,4 — H 4,0 — O 20,6 — M. G. 700.  
 1) **2-[2,3-Dibenzoxylphenyl]äther d. 2-Oxy-1,4-Dibenzoxynaphthalin**. Sm. 203—205° (*B. 30*, 2566).

- C<sub>44</sub>H<sub>30</sub>O<sub>6</sub>**      C 75,2 — H 4,3 — O 20,5 — M. G. 702.  
 1) **Diacetat d. Verbindung C<sub>44</sub>H<sub>28</sub>O<sub>7</sub>**. Sm. 245° (B. 14, 1863). — II, 1986.  
**C<sub>44</sub>H<sub>30</sub>O<sub>15</sub>**      C 66,1 — H 3,8 — O 30,1 — M. G. 798.  
 1) **Säure (aus Phenol)** (G. 14, 103). — II, 649.  
**C<sub>44</sub>H<sub>34</sub>O<sub>6</sub>**      C 76,5 — H 4,9 — O 18,5 — M. G. 690.  
 1) **Tetrabenzylester d. 1-Phenylbenzol-2,3,5,6-Tetracarbonsäure**. Sm. 114—118° (Am. 20, 106).  
**C<sub>44</sub>H<sub>34</sub>O<sub>9</sub>**      C 74,8 — H 4,8 — O 20,4 — M. G. 706.  
 1) **Verbindung (aus Phenanthroxylenacetessigsäureäthylester)**. Sm. 227° (Soc. 59, 14). — II, 1908.  
**C<sub>44</sub>H<sub>36</sub>O<sub>3</sub>**      C 86,0 — H 6,2 — O 7,8 — M. G. 614.  
 1) **Aethylester d. β-Acetyl-αααγγ-Hexaphenylpropan-β-Carbon-säure**. Sm. 159,5—160,5° (A. 227, 111). — II, 1730.  
**C<sub>44</sub>H<sub>35</sub>O<sub>15</sub>**      C 65,5 — H 4,7 — O 29,8 — M. G. 806.  
 1) **Sacculmin** (G. 10, 121, 240, 355). — I, 1109.  
**C<sub>44</sub>H<sub>40</sub>O<sub>15</sub>**      C 65,3 — H 4,9 — O 29,7 — M. G. 808.  
 1) **Benzoylderivat d. Pikrotoxinin**. Sm. 237—238° (A. 222, 343). — III, 643.  
**C<sub>44</sub>H<sub>42</sub>O**      C 90,1 — H 7,2 — O 2,7 — M. G. 586.  
 1) **Aether d. β-Oxy-ααα-Triphenyl-β-Methylpropan**. Sd. 256° (J. pr. [2] 41, 525). — II, 904.  
**C<sub>44</sub>H<sub>54</sub>O<sub>4</sub>**      C 81,7 — H 8,4 — O 9,9 — M. G. 646.  
 1) **Dithymoläthylenchinhydrin**. Sm. 214—215° (B. 7, 1199; Soc. 31, 263). — II, 999.  
**C<sub>44</sub>H<sub>55</sub>Br<sub>3</sub>**      1) **Tribrom-α-Abietin** (Z. 1866, 35). — II, 1436.  
**C<sub>44</sub>H<sub>35</sub>O<sub>18</sub>**      C 60,4 — H 6,6 — O 33,0 — M. G. 874.  
 1) **Heptaacetat d. Ouabain**. Sm. 310° (Bl. [3] 19, 939).  
**C<sub>44</sub>H<sub>55</sub>Br<sub>2</sub>**      1) **Dibrom-α-Abietin** (Z. 1866, 35). — II, 1436.  
**C<sub>44</sub>H<sub>36</sub>O<sub>19</sub>**      C 59,2 — H 6,7 — O 34,1 — M. G. 892.  
 1) **Heptaacetat d. Ouabain**. Sm. 270—275° (C. 1898 [1] 512).  
**C<sub>44</sub>H<sub>64</sub>O<sub>4</sub>**      C 80,4 — H 9,8 — O 9,8 — M. G. 656.  
 1) **Diacetat d. Succinoabietinol**. Sm. 92° (C. 1895 [1] 556).  
**C<sub>44</sub>H<sub>64</sub>O<sub>15</sub>**      C 66,0 — H 8,0 — O 26,0 — M. G. 800.  
 1) **Colocynthein** (J. 1858, 532; 1861, 757; Fr. 24, 154). — III, 577.  
**C<sub>44</sub>H<sub>66</sub>O<sub>3</sub>**      C 78,1 — H 10,1 — O 11,8 — M. G. 676.  
 1) **Hydroabietinsäure**. Sm. 140—145°. Na<sub>2</sub> + 3H<sub>2</sub>O, Ca, Pb, Ag<sub>2</sub> (Z. 1866, 34). — II, 1978.  
**C<sub>44</sub>H<sub>66</sub>O<sub>16</sub>**      C 62,0 — H 8,0 — O 30,0 — M. G. 852.  
 1) **Tetraäthylester d. Betulinamarssäure**. Sm. 117° (A. 182, 378). — III, 621.  
**C<sub>44</sub>H<sub>70</sub>O<sub>4</sub>**      C 79,8 — H 10,6 — O 9,6 — M. G. 662.  
 1) **Dibenzoot d. Coccyrialkohol**. Sm. 60—62° (B. 20, 961). — II, 1142.  
**C<sub>44</sub>H<sub>70</sub>O<sub>25</sub>**      C 50,5 — H 6,7 — O 42,8 — M. G. 1046.  
 1) **Crocin** (aus Safran) (B. 17, 2230; 21, 988; A. 278, 357). — III, 602.  
**C<sub>44</sub>H<sub>72</sub>O<sub>2</sub>**      C 83,0 — H 11,9 — O 5,0 — M. G. 636.  
 1) **Oleat d. Cholesterin**. Sm. 42° (H. 21, 332, 340).  
**C<sub>44</sub>H<sub>72</sub>O<sub>7</sub>**      C 82,8 — H 12,2 — O 5,0 — M. G. 638.  
 1) **Stearat d. Cholesterin**. Sm. 82° (65%) (A. ch. [3] 56, 57; H. 21, 345). — II, 1073.  
 2) **Stearat d. Isocholesterin**. Sm. 72° (J. pr. [2] 7, 174). — II, 1075.  
**C<sub>44</sub>H<sub>82</sub>O<sub>3</sub>**      C 80,2 — H 12,5 — O 7,3 — M. G. 658.  
 1) **Anhydrid d. Brassidinsäure**. Sm. 28—29° (B. 19, 3325). — I, 529.  
 2) **Anhydrid d. Erukasäure** (B. 19, 3325). — I, 528.

### C<sub>44</sub>-Gruppe mit drei Elementen.

- C<sub>44</sub>H<sub>36</sub>O<sub>1</sub>S<sub>4</sub>**      1) **Galleintetrabenzolsulfonat**. Sm. 187—188°. — II, 2088.  
**C<sub>44</sub>H<sub>36</sub>O<sub>15</sub>N<sub>3</sub>**      C 69,6 — H 3,8 — O 21,1 — N 5,5 — M. G. 759.  
 1) **Verbindung (aus 5-Amidouaphthalin-1-Carbonsäure)**. Sm. 285° (B. 19, 1983). — II, 1451.  
**C<sub>44</sub>H<sub>36</sub>O<sub>7</sub>N<sub>4</sub>**      C 81,7 — H 4,6 — O 4,9 — N 8,7 — M. G. 646.  
 1) **L,L'-Binaphthyl-3,4,3',4'-Dichinontetraanilid**. Sm. 248—250°. 2HCl (B. 17, 3022). — III, 397.

- C<sub>44</sub>H<sub>30</sub>O<sub>10</sub>S** 1) Verbindung (aus Resorcin u. 1-Methylbenzol-4-Carbonsäure-3-Sulfonsäure) + 4H<sub>2</sub>O (*Am.* 16, 520; 17, 568).
- C<sub>44</sub>H<sub>30</sub>O<sub>10</sub>S<sub>2</sub>** 1) Verbindung (aus Pyrogallol u. 1-Methylbenzol-4-Carbonsäure-3-Sulfonsäure) (*Am.* 16, 527).
- C<sub>44</sub>H<sub>32</sub>O<sub>7</sub>N<sub>2</sub>** C 85,1 — H 5,2 — O 5,2 — N 4,5 — M. G. 620.
- 1) Verbindung (aus Desoxyessigsäure u. Anilin). Sm. noch nicht bei 300° (*A.* 269, 141). — **IV**, 443.
- C<sub>44</sub>H<sub>32</sub>O<sub>8</sub>S<sub>2</sub>** 1) Rubbadin. Zers. bei 160° (*B.* 25, 1877). — **II**, 657.
- C<sub>44</sub>H<sub>34</sub>O<sub>4</sub>N<sub>4</sub>** C 81,3 — H 5,2 — O 4,9 — N 8,6 — M. G. 650.
- 1) Verbindung (aus 1-Phenylamido 2-Keto-4,5-Diphenyl-2,3-Dihydropyrrrol). Sm. 238—243° (*A.* 269, 138). — **IV**, 699.
- C<sub>44</sub>H<sub>34</sub>O<sub>8</sub>S<sub>2</sub>** 1) Verbindung (aus Rubbadin) (*B.* 25, 1884). — **II**, 658.
- C<sub>44</sub>H<sub>36</sub>O<sub>4</sub>N<sub>2</sub>** C 80,6 — H 5,5 — O 9,8 — N 4,3 — M. G. 656.
- 1) Diäthylester d. 1,4-Di[2,5-Diphenyl-1-Pyrrol]benzol-1<sup>a</sup>,4<sup>b</sup>-Dicarbonsäure. Sm. 249—250° (*B.* 22, 3065). — **IV**, 450.
- C<sub>44</sub>H<sub>38</sub>O<sub>5</sub>N<sub>2</sub>** C 80,4 — H 5,9 — O 7,3 — N 6,4 — M. G. 657.
- 1) Acetylbenzalimid. Sm. 178° (*B.* 22, 1599). — **III**, 28.
- C<sub>44</sub>H<sub>40</sub>O<sub>8</sub>N<sub>2</sub>** C 81,4 — H 7,2 — O 4,9 — N 6,5 — M. G. 649.
- 1) Verbindung (aus d. Chlorid d. 2-Diäthylaminonaphthalin-2-Carbonsäure). Sm. 130° (*See.* 41, 185). — **II**, 1459.
- C<sub>44</sub>H<sub>52</sub>O<sub>8</sub>N<sub>2</sub>** C 70,2 — H 6,9 — O 19,1 — N 3,7 — M. G. 752.
- 1) Aethylpapaverinumoxyd. Sm. 175—180° (wasserfrei) (*M.* 9, 752; *10*, 678). — **IV**, 441.
- C<sub>44</sub>H<sub>50</sub>O<sub>4</sub>Si** 1) Tetra[4-(tert.) Amylphenylester] d. Kieselsäure. Sd. 390—397°<sub>118</sub> (*B.* 18, 1692). — **II**, 775.
- C<sub>44</sub>H<sub>60</sub>O<sub>12</sub>N<sub>2</sub>** C 65,3 — H 7,4 — O 23,8 — N 3,5 — M. G. 808.
- 1) Lycaconitin. Sm. 116,4° (*C.* 1895 [1] 1184).
- C<sub>44</sub>H<sub>62</sub>O<sub>18</sub>N** C 59,1 — H 7,0 — O 32,2 — N 1,6 — M. G. 893.
- 1) Glycyrrhizinsäure. NH<sub>4</sub>, (NH<sub>4</sub>)<sub>2</sub>, K<sub>2</sub>, Ba<sub>2</sub>, Pb<sub>2</sub> (*A.* 48, 347; 59, 224; 118, 236; 197, 116; *J.* 1878, 930; 1879, 921; 1885, 1772; *B.* 9, 1158). — **III**, 591.
- C<sub>44</sub>H<sub>64</sub>O<sub>4</sub>N** C 78,8 — H 9,7 — O 9,5 — N 2,0 — M. G. 671.
- 1) Diacetylsolanidin. Sm. 203° (*A.* 105, 322; *M.* 10, 558). — **III**, 613.
- C<sub>44</sub>H<sub>64</sub>O<sub>4</sub>N<sub>2</sub>** C 75,0 — H 11,9 — O 9,1 — N 4,0 — M. G. 704.
- 1) Hydrazid d. Oxybrassicidinsäure. Sm. 56° (*B.* 26, 1872).

### C<sub>44</sub>-Gruppe mit vier Elementen.

- C<sub>44</sub>H<sub>36</sub>O<sub>16</sub>N<sub>2</sub>S<sub>3</sub>** 1) Hexanitrorubbadin (*B.* 25, 1886). — **II**, 658.
- C<sub>44</sub>H<sub>32</sub>O<sub>16</sub>N<sub>2</sub>S<sub>3</sub>** 1) Tetranitrodiaramidrubbadin (*B.* 25, 1887). — **II**, 658.
- C<sub>44</sub>H<sub>40</sub>O<sub>12</sub>N<sub>2</sub>S<sub>3</sub>** 1) Dehydrocorydalinwasserstoffhexasulfid (*C.* 1898 [2] 115).
- C<sub>44</sub>H<sub>58</sub>O<sub>5</sub>N<sub>2</sub>J<sub>2</sub>** 1) Di[Jodmethylat] d. Apovellosidin. Sm. 262° (*A.* 282, 264). — **III**, 924.

### C<sub>45</sub>-Gruppe mit einem Element.

- C<sub>45</sub>H<sub>72</sub>** C 88,3 — H 11,7 — M. G. 612.  
1) Dammaryl. Sm. 190° (*J.* 1847/48, 741). — **III**, 555.

### C<sub>45</sub>-Gruppe mit zwei Elementen.

- C<sub>45</sub>H<sub>52</sub>O<sub>2</sub>** C 89,4 — H 5,3 — O 5,3 — M. G. 604.
- 1) Verbindung (aus Isobiphenylenketon). Sm. 79—80° (*B.* 21, 2007). — **III**, 242.
- C<sub>45</sub>H<sub>60</sub>O** C 86,8 — H 10,6 — O 2,6 — M. G. 622.
- 1) Verbindung (Keton aus Isovaleriansäure). Sd. über 360° (*A.* 202, 329).
- C<sub>45</sub>H<sub>68</sub>O<sub>2</sub>** C 75,2 — H 9,2 — O 15,6 — M. G. 718.
- 1) Sandarakolsäure. Sm. 140° (152°). Cu, Ag (*B.* 29 [2] 687; *C.* 1898 [2] 184). — **III**, 561.

- C<sub>45</sub>H<sub>72</sub>O<sub>3</sub>** C 81,8 — H 10,9 — O 7,3 — M. G. 660.  
 1) **Dammarylsäure.** Sm. 60° (*J. 1847/48*, 741). — III, 555.  
**C<sub>45</sub>H<sub>72</sub>O<sub>15</sub>** C 63,4 — H 8,4 — O 28,2 — M. G. 852.  
 1) **Diacetat d. Rottlerin.** Sm. 130—135° (*Soc. 63*, 979). — III, 671.  
**C<sub>45</sub>H<sub>72</sub>O<sub>4</sub>** C 79,6 — H 10,9 — O 9,4 — M. G. 678.  
 1) **Dammarylsäurehydrat.** Sm. 56° (*J. 1847/48*, 741). — III, 555.  
**C<sub>45</sub>H<sub>80</sub>O<sub>28</sub>** C 50,6 — H 7,5 — O 41,9 — M. G. 1068.  
 1) **Convolvulinäsäure.** Sm. 150—155°. Br. + 2H<sub>2</sub>O (*C. 1897* [1] 419).  
**C<sub>45</sub>H<sub>86</sub>O<sub>6</sub>** C 74,8 — H 11,9 — O 13,3 — M. G. 722.  
 1) **Glycerintrimyristin.** Sm. 55° (*A. 37*, 153; **91**, 369; **202**, 173; *J. 1859*, 366; *B. 18*, 1982, 2013; **19**, 1433; *J. pr. [2] 31*, 306; *A. ch. [6] 11*, 227). — I, 441.

### C<sub>45</sub>-Gruppe mit drei Elementen.

- C<sub>45</sub>H<sub>28</sub>N<sub>2</sub>Br<sub>6</sub>** 1) **9-Phenylhydrazon-β-Dibromfluoren + 2 Molec. β-Dibromfluoren.** Sm. 134—144° (*M. 16*, 815). — IV, 778.  
**C<sub>45</sub>H<sub>38</sub>O<sub>3</sub>N<sub>3</sub>** C 81,4 — H 5,0 — O 7,2 — N 6,3 — M. G. 663.  
 1) **1,3,5-Tri[Phenylbenzoylamido]benzol.** Sm. oberh. 300° (*G. 20*, 341). — IV, 1125.  
**C<sub>45</sub>H<sub>34</sub>O<sub>9</sub>N<sub>18</sub>** C 55,7 — H 3,5 — O 14,8 — N 26,0 — M. G. 970.  
 1) **Tribenzoat d. Verb. C<sub>21</sub>H<sub>12</sub>O<sub>6</sub>N<sub>18</sub>.** Sm. 193—195° (*B. 27*, 942).  
**C<sub>45</sub>H<sub>36</sub>O<sub>8</sub>S<sub>3</sub>** 1) **4-Tribenzoat d. Trithio-3-Methoxy-4-Oxybenzol-1-Carbonsäure-aldehyd** (Trithiobenzoylvanillin). Sm. 164° (*B. 29*, 144). — III, 104.  
**C<sub>45</sub>H<sub>44</sub>O<sub>3</sub>N<sub>6</sub>** C 77,1 — H 6,3 — O 4,6 — N 12,0 — M. G. 700.  
 1) **Verbindung** (aus Carvakrolbidiazotriphenylmethan) (*G. 15*, 311). — IV, 1426.  
**C<sub>45</sub>H<sub>48</sub>O<sub>10</sub>N<sub>8</sub>** C 62,8 — H 5,6 — O 18,6 — N 13,0 — M. G. 860.  
 1) **Phenoxysozian d. Kaffeegerbsäure C<sub>21</sub>H<sub>14</sub>O<sub>14</sub>.** Sm. 180° (*C. 1897* [2] 351).  
**C<sub>45</sub>H<sub>52</sub>O<sub>18</sub>N<sub>6</sub>** C 56,8 — H 5,6 — O 30,3 — N 7,3 — M. G. 951.  
 1) **2,4,6-Trinitro-3-Pseudobutyl-1-Methylbenzol + Amidobenzol.** Sm. 64° (*B. 24*, 2838). — II, 313.

### C<sub>45</sub>-Gruppe mit vier Elementen.

- C<sub>45</sub>H<sub>36</sub>O<sub>8</sub>N<sub>6</sub>S<sub>3</sub>** 1) **Verbindung** (aus d. Chlorid C<sub>17</sub>H<sub>28</sub>O<sub>6</sub>N<sub>5</sub>Cl<sub>3</sub>S<sub>3</sub>). Sm. 196° (*Am. 9*, 346). — II, 1175.  
**C<sub>45</sub>H<sub>54</sub>O<sub>10</sub>Cl<sub>5</sub>P** 1) **Santonsäureverbindung.** Sm. 198° (*J. 1880*, 895). — II, 1789.

### C<sub>46</sub>-Gruppe mit zwei Elementen.

- C<sub>46</sub>H<sub>6</sub>O<sub>5</sub>** C 86,5 — H 0,9 — O 12,5 — M. G. 638.  
 1) **Pyrographitoxyd** (*A. ch. [6] 20*, 23). — II, 2021.  
**C<sub>46</sub>H<sub>22</sub>O<sub>15</sub>** C 67,0 — H 3,9 — O 29,1 — M. G. 824.  
 1) **Tetracetat d. Pyrogallolbenzoin.** Sm. 208° (*A. 257*, 63). — II, 1044.  
**C<sub>46</sub>H<sub>34</sub>N<sub>6</sub>** C 82,4 — H 5,1 — N 12,5 — M. G. 670.  
 1) **Base** (aus Mandelsäure u. 1,2-Diamidonaphthalin). Sm. noch nicht bei 360° (*B. 25*, 955). — IV, 1933.  
**C<sub>46</sub>H<sub>46</sub>O<sub>7</sub>** C 77,7 — H 6,5 — O 15,8 — M. G. 710.  
 1) **Verbindung** (aus Tri[2-Oxy-1-Methylphenyl]äthan) (*A. 257*, 327). — II, 1029.  
 2) **Verbindung** (aus Tri[3-Oxy-1-Methylphenyl]äthan) (*A. 257*, 328). — II, 1029.  
 3) **Verbindung** (aus Tri[4-Oxy-1-Methylphenyl]äthan) (*A. 257*, 329). — II, 1029.  
**C<sub>46</sub>H<sub>50</sub>O<sub>15</sub>** C 64,9 — H 6,8 — O 28,2 — M. G. 850.  
 1) **Tribenzoylpurginsäure** (*C. 1897* [1] 419).  
**C<sub>46</sub>H<sub>56</sub>O<sub>24</sub>** C 55,1 — H 6,6 — O 38,3 — M. G. 1002.  
 1) **Acetylderivat d. Saponin.** Sm. 159—162° (*A. 218*, 250). — III, 610.

- C<sub>46</sub>H<sub>68</sub>O<sub>12</sub>** C 70,8 — H 5,7 — O 20,5 — M. G. 780.  
 1) **Myroxol** (*C. 1897* [1] 421).  
**C<sub>46</sub>H<sub>72</sub>O<sub>12</sub>** C 67,7 — H 5,5 — O 23,5 — M. G. 516.  
 1) **Verbindung** (aus Schellack). Mg<sub>2</sub> (*M. 9*, 158). — **III. 559.**  
**C<sub>46</sub>H<sub>72</sub>O** C 85,7 — H 11,8 — O 2,5 — M. G. 644.  
 1) **Icacin** (oder C<sub>46</sub>H<sub>72</sub>O). Sm. 175° (*A. 180*, 256; **192**, 181). — **III. 557.**  
**C<sub>46</sub>H<sub>72</sub>O<sub>2</sub>** C 83,1 — H 12,1 — O 4,8 — M. G. 664.  
 1) **Palmitat d.  $\beta$ -Amyrin.** Sm. 75° (*A. 271*, 216). — **III. 556.**  
**C<sub>46</sub>H<sub>72</sub>O<sub>7</sub>** C 74,2 — H 10,8 — O 15,0 — M. G. 744.  
 1) **Distearoylsalicylsäureglycerid** (*C. 1899* [1] 369).  
**C<sub>46</sub>H<sub>74</sub>O<sub>25</sub>** C 53,3 — H 8,1 — O 38,6 — M. G. 1036.  
 1) **Gratiosolin** (*J. 1858*, 518). — **III. 592.**  
**C<sub>46</sub>H<sub>76</sub>O<sub>2</sub>** C 81,7 — H 13,6 — O 4,7 — M. G. 676.  
 1) **Myricylester d. Palmitinsäure.** Sm. 72° (75°) (*A. 71*, 160; *Bl. [3] 11*, 180). — **I. 443.**

### C<sub>46</sub>-Gruppe mit drei Elementen.

- C<sub>46</sub>H<sub>55</sub>O<sub>6</sub>N<sub>3</sub>** C 76,1 — H 4,8 — O 13,2 — N 5,8 — M. G. 725.  
 1)  $\beta$ -Naphthogluconinsäure +  $\frac{1}{2}$ H<sub>2</sub>O. Na + SH<sub>2</sub>O, K + SH<sub>2</sub>O (*B. 31*, 695). — **IV. 1221.**  
**C<sub>46</sub>H<sub>56</sub>O<sub>6</sub>S<sub>4</sub>** 1) Dimethylrubbadin. Zers. oberh. 210° (*B. 25*, 1884). — **II. 657.**  
**C<sub>46</sub>H<sub>57</sub>O<sub>6</sub>N<sub>3</sub>** C 75,9 — H 5,1 — O 13,2 — N 5,8 — M. G. 727.  
 1) Hydro- $\beta$ -Naphthogluconinsäure + 5H<sub>2</sub>O. Sm. 231° u. Zers. (wasserfrei) (*B. 31*, 694). — **IV. 1221.**  
**C<sub>46</sub>H<sub>41</sub>O<sub>17</sub>P<sub>4</sub>** 1) Triacyltyphosphororsellinsäure (*G. 14*, 462). — **II. 1753.**  
**C<sub>46</sub>H<sub>40</sub>O<sub>2</sub>N<sub>2</sub>** C 74,3 — H 6,0 — O 6,5 — N 13,2 — M. G. 743.  
 1) Triethylidenrosanilin (*A. 140*, 112). — **II. 1093.**  
**C<sub>46</sub>H<sub>46</sub>O<sub>9</sub>N<sub>8</sub>** C 64,6 — H 5,4 — O 16,9 — N 13,1 — M. G. 854.  
 1) Phenyltertiaspartotetraanilid. Sm. 130° u. Zers. (*A. 303*, 213).  
**C<sub>46</sub>H<sub>54</sub>O<sub>7</sub>N<sub>4</sub>** C 71,3 — H 7,0 — O 14,5 — N 7,2 — M. G. 774.  
 1) Apovellosin. Sm. 60—70°. 4HBr. 4HJ + 4H<sub>2</sub>O (*A. 282*, 256; *B. 26*, 1085). — **III. 923.**  
**C<sub>46</sub>H<sub>50</sub>O<sub>5</sub>N<sub>4</sub>** C 77,1 — H 8,4 — O 6,7 — N 7,8 — M. G. 716.  
 1) Diäthylidencinchoxin. Sm. bei 95°. (2HCl, PtCl<sub>4</sub>) (*A. 269*, 292). — **III. 834.**  
**C<sub>46</sub>H<sub>71</sub>O<sub>4</sub>N<sub>2</sub>** C 76,9 — H 10,3 — O 8,9 — N 3,9 — M. G. 718.  
 1) Atisin (siehe auch C<sub>45</sub>H<sub>51</sub>O<sub>4</sub>N) (*C. 1895* [1] 1185).  
**C<sub>46</sub>H<sub>65</sub>O<sub>13</sub>N** C 62,1 — H 9,3 — O 27,0 — N 1,6 — M. G. 889.  
 1) Diäthylsolanin? (*J. 1856*, 547; *A. 110*, 175). — **III. 612.**

### C<sub>46</sub>-Gruppe mit vier Elementen.

- C<sub>46</sub>H<sub>56</sub>O<sub>6</sub>N<sub>4</sub>Br<sub>11</sub>** 1) **Verbindung** (aus 4-Amido-1-Methylbenzol u. Xanthogallol) (*A. 245*, 336). — **II. 1014.**  
**C<sub>46</sub>H<sub>53</sub>O<sub>6</sub>N<sub>4</sub>J<sub>3</sub>** 1) Sesquijodäthylat d. Cinchotinin. Sm. 183° u. Zers. (*M. 15*, 792). — **III. 841.**

### C<sub>47</sub>-Gruppe mit zwei Elementen.

- C<sub>47</sub>H<sub>56</sub>O<sub>11</sub>** C 73,2 — H 3,9 — O 22,9 — M. G. 770.  
 1) **Pentabenzoat d. Makurin** (P. d. 2,4,6,3'4'-Pentaoxydiphenylketon). Sm. 155—156° (*B. 27*, 1996). — **III. 207.**  
**C<sub>47</sub>H<sub>56</sub>O<sub>12</sub>** C 71,2 — H 4,5 — O 24,2 — M. G. 792.  
 1) **Pentabenzoarylbutin.** Sm. 159—165° (*A. 154*, 241; *H. 14*, 369). — **III. 571.**  
**C<sub>47</sub>H<sub>56</sub>N<sub>4</sub>** C 86,0 — H 5,5 — N 8,5 — M. G. 656.  
 1) **Verbindung** (aus Benzoinphenylhydrazon). Sm. 215—216° (*Am. 16*, 114). — **IV. 777.**

- C<sub>47</sub>H<sub>48</sub>O<sub>16</sub>** C 65,4 — H 4,9 — O 29,7 — M. G. 862.  
 1) **Pentabenzoat d. Rohrzucker.** Sm. 106° (*H.* 14, 348). — **II, 1143.**  
**C<sub>47</sub>H<sub>48</sub>O<sub>8</sub>** C 74,2 — H 8,9 — O 16,8 — M. G. 780.  
 1) **Acetylsandarakolsäure** (*C.* 1896 [2] 184).  
**C<sub>47</sub>H<sub>48</sub>O<sub>5</sub>** C 77,0 — H 12,0 — O 10,9 — M. G. 732.  
 1) **Glycerindierucin.** Sm. 47° (*B.* 19, 3322; *J. pr.* [2] 42, 370). — **I, 528.**  
 2) **Glycerindibrassidin.** Sm. 65° (67°) (*B.* 19, 3324; *J. pr.* [2] 42, 370). — **I, 528.**

### C<sub>47</sub>-Gruppe mit drei Elementen.

- C<sub>47</sub>H<sub>48</sub>O<sub>4</sub>N<sub>4</sub>** C 78,3 — H 6,0 — O 8,8 — N 7,8 — M. G. 720.  
 1) **Verbindung** (aus d. Verb. C<sub>33</sub>H<sub>28</sub>O<sub>2</sub>N<sub>4</sub>). Sm. 168° (*G.* 22 [2] 241). — **IV, 751.**  
**C<sub>47</sub>H<sub>48</sub>O<sub>5</sub>N<sub>6</sub>** C 76,2 — H 5,9 — O 6,5 — N 11,3 — M. G. 740.  
 1) **Verbindung** (aus Isocarbopyrotrifluorethylester u. uns-Diphenylhydrazin). Sm. 187° (*B.* 27, 1163). — **IV, 722.**  
**C<sub>47</sub>H<sub>70</sub>O<sub>18</sub>N<sub>4</sub>** C 56,7 — H 7,0 — O 30,6 — N 5,6 — M. G. 994.  
 1) **Hemicollin.** Cu (*H.* 2, 299). — **IV, 1626.**

### C<sub>48</sub>-Gruppe mit zwei Elementen.

- C<sub>48</sub>H<sub>16</sub>O** C 94,4 — H 2,9 — O 2,6 — M. G. 610.  
 1) **Aldehydharz** (*A. ch.* [6] 9, 423). — **I, 921.**  
**C<sub>48</sub>H<sub>28</sub>O<sub>11</sub>** C 73,8 — H 3,6 — O 22,6 — M. G. 780.  
 1) **Tetrabenzoat d. Hydrogallein.** Sm. 231° (*A.* 209, 264; *B.* 14, 1327). — **II, 2093.**  
**C<sub>48</sub>H<sub>36</sub>O<sub>10</sub>** C 75,2 — H 3,9 — O 20,9 — M. G. 766.  
 1) **Tetrabenzoat d. Brenzkatechinphtalein.** Sm. 201—202° (*B.* 22, 2197). — **II, 2065.**  
**C<sub>48</sub>H<sub>32</sub>Br<sub>2</sub>** 1) **Verbindung** (aus 1,3 Dibrombenzol) (*M.* 7, 45). — **II, 57.**  
 2) **Verbindung** (aus 1,4-Dibrombenzol) (*M.* 7, 42). — **II, 58.**  
**C<sub>48</sub>H<sub>36</sub>O<sub>12</sub>** C 71,6 — H 4,5 — O 23,9 — M. G. 804.  
 1) **Hexabenzosäat d. Inosit.** Sm. 258° (*A. ch.* [6] 12, 103). — **II, 1143.**  
 2) **Hexabenzosäat d. r-Inositol.** Sm. 253° (*A. ch.* [6] 22, 277). — **II, 1143.**  
**C<sub>48</sub>H<sub>36</sub>O<sub>13</sub>** C 71,4 — H 4,7 — O 23,8 — M. G. 806.  
 1) **Hexabenzosäat d. Dulcitol.** Sm. 147° (*A. ch.* [4] 27, 163). — **II, 1142.**  
 2) **Hexabenzosäat d. Mannitan.** Sm. 124—125° (149°) (*J. pr.* [2] 36, 354; *M.* 10, 394). — **II, 1142.**  
**C<sub>48</sub>H<sub>36</sub>O<sub>14</sub>** C 62,7 — H 4,1 — O 33,1 — M. G. 918.  
 1) **Capranid** (*J. pr.* [2] 57, 426).  
**C<sub>48</sub>H<sub>36</sub>N<sub>6</sub>** C 82,5 — H 5,4 — N 12,0 — M. G. 698.  
 1) **Base** (aus Phenyl-β-Milchsäure u. 1,2-Diamidonaphthalin). Sm. noch nicht bei 360° (*B.* 25, 956). — **IV, 1333.**  
**C<sub>48</sub>H<sub>34</sub>O<sub>5</sub>** C 81,1 — H 7,6 — O 11,3 — M. G. 710.  
 1) **Aldehydharz** (*A. ch.* [6] 9, 423). — **I, 921.**  
**C<sub>48</sub>H<sub>60</sub>O<sub>18</sub>** C 62,3 — H 6,5 — O 31,2 — M. G. 924.  
 1) **Polychroït** (*Z.* 1867, 555). — **III, 602.**  
**C<sub>48</sub>H<sub>64</sub>O<sub>10</sub>** C 72,0 — H 8,0 — O 20,0 — M. G. 800.  
 1) **Aldehydharz** (*A. ch.* [6] 9, 423). — **I, 921.**  
**C<sub>48</sub>H<sub>64</sub>O<sub>12</sub>** C 69,2 — H 7,7 — O 23,1 — M. G. 832.  
 1) **Aldehydharz** (*A. ch.* [6] 9, 423). — **I, 921.**  
**C<sub>48</sub>H<sub>66</sub>O<sub>8</sub>** C 83,5 — H 9,6 — O 6,9 — M. G. 690.  
 1) **Verbindung** (aus Cholsäure). Fl. (*H.* 10, 197). — **I, 783.**  
**C<sub>48</sub>H<sub>66</sub>O<sub>20</sub>** C 52,1 — H 5,9 — O 41,9 — M. G. 1106.  
 1) **Xanthorhammin** + xH<sub>2</sub>O (*α*-Rhamnegin) + 2C<sub>4</sub>H<sub>6</sub>O, K<sub>4</sub>, Pb<sub>4</sub> (*Berx. J.* 24, 505; *J.* 1858, 474; 1868, 775; *A.* 196, 310). — **III, 615.**  
**C<sub>48</sub>H<sub>66</sub>O<sub>25</sub>** C 55,2 — H 6,5 — O 38,3 — M. G. 1044.  
 1) **Acetyl derivat d. Saponin.** α-Verb. Sm. 97—100°; β-Verb. Sm. 142 bis 145° (*A.* 218, 251). — **III, 610.**

- $C_{48}H_{32}O_{17}$  C 62,8 — H 7,6 — O 29,6 — M. G. 918.  
 1) **Theveresin** +  $2H_2O$ . Sm. 140° (*J. 1868*, 769). — **III, 613.**  
 $C_{48}H_{32}O_{27}$  C 46,4 — H 5,9 — O 47,7 — M. G. 1242.  
 1) **Pyrodextrin.** +  $BaO$  +  $PbO$  (*J. 1857*, 494). — **I, 1107.**  
 $C_{48}H_{32}O_3$  C 82,0 — H 11,1 — O 6,8 — M. G. 702.  
 1) **Anhydrid d. Cholylsäure.** Sm. 75—80° (*M. 19*, 3; *C. 1898* [2] 495).  
 $C_{48}H_{32}O_{19}$  C 60,0 — H 8,3 — O 31,7 — M. G. 960.  
 1) **Bryonin** (oder  $C_{24}H_{48}O_9$ ) (*J. 1858*, 521; *Bl. [3] 9*, 1054). — **III, 573.**  
 $C_{48}H_{32}O_{41}$  C 43,8 — H 6,2 — O 49,9 — M. G. 1314.  
 1) **Synanthrin.** Sm. 170° (*B. 26* [2] 691).  
 $C_{48}H_{32}O_8$  C 72,5 — H 11,3 — O 16,1 — M. G. 794.  
 1) **Tetraäthylester d.  $\alpha\beta$ -Dicetylbutan- $\alpha\beta$ -Tetracarbonsäure.** Sm. 66,5° (*Soc. 65*, 1114).  
 $C_{48}H_{32}O_2$  C 82,0 — H 13,4 — O 4,6 — M. G. 702.  
 1) **Myricylester d. Oelsäure.** Sm. 65° (*Bl. [3] 11*, 186).  
 $C_{48}H_{32}O_3$  C 81,8 — H 13,6 — O 4,5 — M. G. 704.  
 1) **Myricylester d. Stearinäure.** Sm. 78° (*Bl. [3] 11*, 186).  
 $C_{48}H_{32}N$  C 83,6 — H 14,4 — N 2,0 — M. G. 689.  
 1) **Tricetylamin.** Sm. 39°. ( $2HCl, PtCl_4$ ) (*A. 83*, 25). — **I, 1139.**

### $C_{48}$ -Gruppe mit drei Elementen.

- $C_{48}H_{32}O_{19}N_8$  C 57,8 — H 3,2 — O 30,5 — N 8,4 — M. G. 996.  
 1) **Säure** (aus 2,4-Dinitrophenylacetessigsäureäthylester).  $Ag_2 + 3H_2O$  (*A. 220*, 142). — **II, 1659.**  
 $C_{48}H_{32}O_1S_4$  1) **Diacetylrubbadin** (*B. 25*, 1882). — **II, 657.**  
 $C_{48}H_{32}O_1S$  1) **baas. Isohämatestinsulfat** (*B. 15*, 2340). — **III, 666.**  
 $C_{48}H_{32}O_2S_2$  1) **Verbindung** (aus Isobrasileindisulfat) (*B. 15*, 2344). — **III, 655.**  
 $C_{48}H_{32}O_3N_4$  C 76,8 — H 5,1 — O 10,7 — N 7,4 — M. G. 750.  
 1) **Verbindung** (aus Anhydroacetobenzilcarbonsäure u. Phenylhydrazin). Zers. oberh. 200° u. Zers. (*Soc. 71*, 144). — **IV, 712.**  
 $C_{48}H_{32}O_3N_3$  C 81,7 — H 5,5 — O 6,8 — N 6,0 — M. G. 705.  
 1) **1,3,5-Tri[4-Methylphenylbenzoylamido]benzol.** Sm. 281—282° (*G. 20*, 327). — **IV, 1125.**  
 $C_{48}H_{32}O_6N_{11}$  C 63,1 — H 4,3 — O 15,8 — N 16,8 — M. G. 913.  
 1) **Amisanin** (*J. pr. [1] 35*, 125). — **II, 1609.**  
 $C_{48}H_{32}O_1N$  C 73,0 — H 4,9 — O 20,3 — N 1,8 — M. G. 789.  
 1) **Tetrabenzoylhelicintoloid** (*A. 154*, 36). — **III, 69.**  
 $C_{48}H_{32}O_1N$  C 62,8 — H 4,3 — O 31,4 — N 1,5 — M. G. 917.  
 1) **Hämatein**, siehe  $C_{48}H_{32}O_4$  (*A. 178*, 92). — **III, 665.**  
 $C_{48}H_{32}O_{27}N_4$  C 52,1 — H 3,8 — O 39,0 — N 5,1 — M. G. 1106.  
 1) **Tannon** (*C. 1898* [1] 216).  
 $C_{48}H_{32}O_4N_2$  C 74,2 — H 5,7 — O 16,5 — N 3,6 — M. G. 776.  
 1) **Dibenzoat d. Pseudomorphin.** ( $2HCl, PtCl_4$ ) (*A. 294*, 216).  
 $C_{48}H_{32}O_2N_4$  C 80,9 — H 6,7 — O 4,5 — N 7,9 — M. G. 712.  
 1) **p-Tetramethylamidodiphenyltetramethylhydiamidoanthranol.** Sm. 275°. +  $C_6H_6$  (*C. 1897*, 2) 591.  
 $C_{48}H_{32}O_{18}N_{16}$  C 54,0 — H 5,4 — O 19,5 — N 21,0 — M. G. 533.  
 1) **Amidohydroazoresorufinäther.**  $12HCl$  (*B. 18*, 587).  
 $C_{48}H_{32}O_6N_2$  C 71,3 — H 7,4 — O 17,8 — N 3,5 — M. G. 808.  
 1) **Tetracylthyrolchroin** (*B. 21*, 253). — **II, 774.**  
 $C_{48}H_{32}O_6J$  1) **Jodstärke** (*Bl. [3] 7*, 678). — **I, 1685.**

### $C_{48}$ -Gruppe mit vier Elementen.

- $C_{48}H_{32}O_{38}N_4Cl_2$  1) **Hexacetyl tetraazoresorufinchlorid?** (*A. 162*, 290). — **II, 934.**  
 $C_{48}H_{32}O_{10}Br_6S_4$  1) **Hexabromdiacetylrubbadin.** Zers. oberhalb 300° (*B. 25*, 1882). — **II, 658.**  
 $C_{48}H_{32}O_2N_1Br$  1) **Anhydrid d. Brom- $\alpha$ -Tetra[1,3-Dioxybenzol]dichroinäther** (*B. 21*, 2482). — **II, 931.**

- $C_{48}H_{50}O_1N_2Br$  1) **Brom- $\alpha$ -Tetra[1,3-Dioxybenzol]dichroinäther** (*B.* 21, 2480). — **II.**, 931.  
 $C_{48}H_{50}O_1N_2S_2$  1) **Verbindung** (aus Rubbadin) (*B.* 25, 1888). — **II.**, 658.  
 $C_{48}H_{50}ON_2P_4$  1) **Verbindung** (aus Amidobenzol u.  $PCl_3$ ). Sm. 208° (*Am.* 6, 95). — **II.**, 356.  
 $C_{48}H_{50}O_2N_4S_2$  1) **Verbindung** (aus d. Verb.  $C_{36}H_{44}O_4S_2$ ). Zers. bei 210—220° (*B.* 20, 1981). — **IV.**, 719.  
 $C_{48}H_{50}O_2N_4J_2$  1) **Jodmethylat** d. **Apovelloasin**. Sm. 265° (*A.* 282, 260). — **III.**, 924.

### $C_{49}$ -Gruppe mit zwei Elementen.

- $C_{49}H_{24}O_{14}$  C 69,5 — H 4,0 — O 26,5 — M. G. 846.  
1) **Pentabenzosäure** d. **Hamamelitannin**. Sm. 125—132° (*C.* 1898 [2] 375).  
 $C_{49}H_{48}O_{10}$  C 73,9 — H 6,0 — O 20,1 — M. G. 796.  
1) **Verbindung** (aus Oxybenzol u. **Kohlensäure**). Sm. 37° (27°) (*A.* 148, 49; *J. pr.* [2] 25, 464). — **II.**, 662.  
 $C_{49}H_{68}O_7$  C 85,5 — H 9,9 — O 4,6 — M. G. 688.  
1) **Dibenzoyllilicen**. Sm. 188° (*B.* 28 [2] 236).

### $C_{49}$ -Gruppe mit drei Elementen.

- $C_{49}H_{26}N_3Cl$  1) **4',4'',4'''-Tri[1-Naphtylamido]triphenylchlormethan** (*B.* 23, 1965). — **IV.**, 1196.  
 $C_{49}H_{24}O_6N_7$  C 71,8 — H 4,5 — O 11,7 — N 12,0 — M. G. 819.  
1) **Verbindung** (aus Benzylenimid u. 4-Nitrobenzol-1-Carbonsäurealdehyd). Sm. 175° (*B.* 28, 1654). — **IV.**, 187.  
2) **Verbindung** +  $H_2O$  (aus Benzylenimid u. 4-Nitrobenzol-1-Carbonsäurealdehyd). Sm. bei 150° (*B.* 28, 1654). — **IV.**, 187.

### $C_{50}$ -Gruppe.

- $C_{50}H_{46}$  C 92,9 — H 7,1 — M. G. 646.  
1) **Kohlenwasserstoff** (aus Phthaläureanhydrid u. Benzylchlorid). Sm. 72 bis 73° (*A.* 248, 68). — **II.**, 305.  
 $C_{50}H_{26}O_6$  C 83,1 — H 3,6 — O 13,3 — M. G. 722.  
1) **Verbindung** (aus 1-Oxynaphthalin u. Benzol-1,2,4,5-Tetracarbonsäure). Sm. oberh. 360° u. Zers. (*B.* 6, 1066). — **II.**, 2074.  
 $C_{50}H_{26}O_7$  C 81,1 — H 3,8 — O 15,1 — M. G. 740.  
1) **Verbindung** (aus 1-Oxynaphthalin u. Benzol-1,2,4,5-Tetracarbonsäure). 3 Modif.;  $\alpha$ -Modif. Sm. oberh. 360°;  $\beta$ -Modif. Sm. oberh. 360°;  $\gamma$ -Modif. Sm. 265° (*B.* 6, 1067). — **II.**, 2074.  
 $C_{50}H_{35}O_{14}$  C 69,8 — H 4,2 — O 26,0 — M. G. 860.  
1) **Pentabenzosäure** d. **Aesculin**. Sm. 130° (*A.* 161, 75; *B.* 13, 1953). — **III.**, 567.  
 $C_{50}H_{50}O_{11}$  C 72,6 — H 6,0 — O 21,3 — M. G. 826.  
1) **Benzosäure** d. **Xanthoresinotannol** (*C.* 1897 [1] 421).  
 $C_{50}H_{48}O_4$  C 82,0 — H 9,3 — O 8,7 — M. G. 732.  
1) **Dibenzosäure** d.  $\alpha$ -Lactucerol. Sm. 156° (*A.* 244, 271). — **II.**, 1068.  
 $C_{50}H_{74}O_{28}$  C 53,5 — H 6,6 — O 39,9 — M. G. 1122.  
1) **Tetradekakaithylester** d. **Oktan- $\alpha\beta\beta\gamma\delta\delta\epsilon\zeta\zeta\eta\eta\eta$ -Tetradekacarbon-säure**. Fl. (*B.* 21, 2116). — **I.**, 873.  
 $C_{50}H_{72}O_7$  C 75,6 — H 10,3 — O 14,1 — M. G. 794.  
1) **Anhydrid** d. **Choleinsäure** (*B.* 20, 1050). — **I.**, 735.  
 $C_{50}H_{52}O_8$  C 72,6 — H 9,9 — O 17,4 — M. G. 826.  
1) **Verbindung** (aus Cholsäure) (*B.* 20, 1050). — **I.**, 783.  
 $C_{50}H_{100}O_2$  C 88,0 — H 7,3 — O 4,7 — M. G. 732.  
1) **Myricylester** d. **Arachinsäure**. Sm. 84° (*Bl.* [3] 11, 186).  
 $C_{50}H_{102}O$  C 89,8 — H 7,8 — O 2,4 — M. G. 718.  
1) **Tarchonylalkohol**. Sm. 82° (*G.* 12, 227).

- $C_{50}H_{92}O_2N_5$  C 81,6 — H 4,5 — O 4,3 — N 9,5 — M. G. 735.  
 1) Verbindung (aus 1-Diazonaphthalinchlorid) (*Soc. 37*, 747). — IV, 1540.
- $C_{50}H_{47}O_{17}N_{11}$  C 55,9 — H 4,4 — O 25,3 — N 14,3 — M. G. 1073.  
 1) Oktaspertidotrianiid. Zers. oberh. 245° (*A. 303*, 203).
- $C_{50}H_{90}O_5N_4$  C 75,4 — H 7,5 — O 10,0 — N 7,0 — M. G. 796.  
 1) Anetholchinin + 2H<sub>2</sub>O (*A. 123*, 382). — III, 813.
- $C_{50}H_{64}O_5N_4$  C 75,0 — H 8,0 — O 10,0 — N 7,0 — M. G. 800.  
 1) Anetholhydrochinin + 2H<sub>2</sub>O (*A. 241*, 261). — III, 860.

**C<sub>51</sub>-Gruppe.**

- $C_{51}H_{98}O_6$  C 75,9 — H 12,2 — O 11,9 — M. G. 804.  
 1) Glycerintripalmitin. Sm. 61,5° (*A. 36*, 54; *J. 1855*, 519; *B. 15*, 253; *Am. 6*, 230; *A. ch. [3] 41*, 240). — I, 444.
- $C_{51}H_{46}O_6N_6$  C 72,8 — H 5,7 — O 11,4 — N 10,0 — M. G. 840.  
 1) Phenylhydrazen d. Rottlerin (*G. 24* [1] 6). — III, 671.
- $C_{51}H_{50}O_4N_4$  C 71,6 — H 6,7 — O 16,8 — N 4,9 — M. G. 855.  
 1) Trimorphin = (C<sub>17</sub>H<sub>19</sub>O<sub>4</sub>N)<sub>n</sub> · HCl (*Soc. 26*, 221). — III, 900.

**C<sub>52</sub>-Gruppe.**

- $C_{52}H_{49}O_{14}$  C 59,5 — H 3,8 — O 36,6 — M. G. 1048.  
 1) Heptacetylphlobaphen (*A. 240*, 588). — III, 588.
- $C_{52}H_{42}O$  C 91,5 — H 6,2 — O 2,3 — M. G. 682.  
 1) Verbindung (aus α-Benzopinakolin) = C<sub>26</sub>H<sub>42</sub> + C<sub>6</sub>H<sub>6</sub>. Sm. 208°. + 2C<sub>6</sub>H<sub>6</sub> (*B. 29*, 2159). — III, 265.
- $C_{52}H_{46}O_{10}$  C 60,1 — H 4,4 — O 35,5 — M. G. 1038.  
 1) Verbindung (aus Kastaniengerbsäure). — III, 655.
- $C_{52}H_{70}O_6$  C 75,9 — H 8,5 — O 15,6 — M. G. 822.  
 1) Benzoylsandarakolsäure (*C. 1898* [2] 184).
- $C_{52}H_{42}O_{23}$  C 58,1 — H 7,6 — O 34,3 — M. G. 1074.  
 1) Aphrodäscin. Ba + 5H<sub>2</sub>O (*J. 1862*, 491). — III, 571.
- $C_{52}H_{46}O_4$  C 84,3 — H 11,3 — O 4,3 — M. G. 740.  
 1) Zeorinin + 2H<sub>2</sub>O. Sm. 159—161° (182—184° wasserfrei) (*J. pr. [2] 58*, 484).  
 2) Isozeorinin. Sm. 184—185° (*J. pr. [2] 58*, 485).
- $C_{52}H_{55}Cl$  1) Verbindung (aus Cholesterylchlorid). Zers. oberh. 230° (*J. r. 8*, 236). — II, 1073.
- $C_{52}H_{104}O_2$  C 82,1 — H 13,7 — O 4,2 — M. G. 760.  
 1) Cerylester d. Cerotinsäure (oder C<sub>30</sub>H<sub>104</sub>O<sub>2</sub>). Sm. 81,5° (*B. 30*, 1415).
- $C_{52}H_{29}O_{12}N$  C 72,6 — H 3,4 — O 22,4 — N 1,6 — M. G. 859.  
 1) Pentabenzozat d. Alizarinindigblau. Sm. 175° (*A. 276*, 30). — IV, 463.
- $C_{52}H_{34}O_{14}Br_6$  1) Heptacetat d. Hexabromeichenroth (*A. 240*, 341). — III, 588.  
 $C_{52}H_{57}O_5N_7$  C 70,0 — H 6,4 — O 12,5 — N 11,0 — M. G. 891.  
 1) Alkachlorophyll (Chlorophyllinsäure) (*Soc. 45*, 60; *A. 278*, 336; *284*, 81, 91). — III, 657.
- $C_{52}H_{73}O_{13}N$  C 67,2 — H 8,9 — O 22,4 — N 1,5 — M. G. 929.  
 1) Solanein + 3<sup>1</sup>/<sub>4</sub>H<sub>2</sub>O. Sm. 208° (*M. 10*, 546). — III, 612.
- $C_{52}H_{54}O_9Br_2$  1) Verbindung (aus Cholesterin u. Cholesterindibromid). Sm. 112° (*C. 1897* [1] 1128).
- $C_{52}H_{93}O_{18}N$  C 61,2 — H 9,1 — O 28,3 — N 1,4 — M. G. 1019.  
 1) Solanin + 4<sup>1</sup>/<sub>2</sub>H<sub>2</sub>O (oder C<sub>42</sub>H<sub>72</sub>O<sub>18</sub>N). Sm. 244°. HCl, (2HCl, PtCl<sub>4</sub>), H<sub>2</sub>SO<sub>4</sub>, Oxalat + 7H<sub>2</sub>O (*Berz. J. 2*, 114; *6*, 259; *A. ch. [2] 31*, 109; *J. 1863*, 450; *1873*, 817; *A. 26*, 232; *118*, 130; *B. 9*, 83; *15*, 2633; *M. 10*, 543; *Fr. 21*, 620; *23*, 239). — III, 611.
- $C_{52}H_{96}O_{15}N$  C 64,1 — H 9,8 — O 24,6 — N 1,4 — M. G. 973.  
 1) Diisoamylsolanin? (*J. 1856*, 547). — III, 612.
- $C_{52}H_{46}O_{12}N_2P_4$  1) Phenylamid d. Phosphororsellinsäure (*G. 14*, 462). — II, 1753.

**C<sub>53</sub>-Gruppe.**

- C<sub>53</sub>H<sub>48</sub>O<sub>11</sub>** C 74,0 — H 5,6 — O 20,4 — M. G. 860.  
 1) Tribenzoat d. Pinoresinotannol (*M. 18*, 497).  
**C<sub>53</sub>H<sub>50</sub>O<sub>19</sub>** C 64,2 — H 5,0 — O 30,7 — M. G. 990.  
 1) Quebrachotannoform (*C. 1898* [1] 560).  
**C<sub>53</sub>H<sub>51</sub>O<sub>20</sub>** 1) Verbindung (aus Absinth) oder C<sub>52</sub>H<sub>51</sub>O<sub>20</sub>. Sm. 165° (*Bl. [3] 19*, 1014).  
**C<sub>53</sub>H<sub>51</sub>O<sub>19</sub>** C 62,1 — H 8,2 — O 29,7 — M. G. 1024.  
 1) Camellin (*J. 1878*, 977). — III, 573.  
**C<sub>53</sub>H<sub>104</sub>O<sub>5</sub>** C 77,5 — H 12,7 — O 9,8 — M. G. 820.  
 1) Glycerindicerin. Sm. 79,5° (*C. 1898* [1] 642).  
**C<sub>53</sub>H<sub>106</sub>O** C 83,9 — H 14,0 — O 2,1 — M. G. 758.  
 1) Cerotinon. Sm. 92° (*A. 224*, 237). — I, 1006.  
 2)  $\beta$ -Cerotinon. Sm. 66° (62°) (*J. pr.* [1] 57, 17; *A. 271*, 220). — I, 1006.  
**C<sub>53</sub>H<sub>39</sub>O<sub>6</sub>N<sub>4</sub>** C 78,0 — H 4,6 — O 11,6 — N 6,8 — M. G. 826.  
 1) Benzoat d. 3,5-Di[Dibenzoylphenylhydrazido]-1-Oxybenzol. Sm. 176° (*B. 22*, 2192). — IV, 1506.  
**C<sub>53</sub>H<sub>42</sub>O<sub>2</sub>N<sub>2</sub>** C 74,8 — H 4,9 — O 16,9 — N 3,3 — M. G. 850.  
 1) Tetrabenzoylethelcindianilid (*A. 154*, 36). — III, 69.

**C<sub>54</sub>-Gruppe.**

- C<sub>54</sub>H<sub>84</sub>** C 88,5 — H 11,5 — M. G. 732.  
 1)  $\gamma$ -Cholesterinen. Sm. 127° (*A. 66*, 9; *M. 17*, 31). — II, 177.  
**C<sub>54</sub>H<sub>98</sub>O<sub>5</sub>** C 84,6 — H 5,0 — O 10,4 — M. G. 766.  
 1) 1-Naphthalbenzoin (*A. 257*, 58). — II, 1122.  
 2) Tetra[2-Naphyläther] d. Di[ $\alpha$ -Dioxybenzyl]äther. Sm. oberh. 350° (*A. 257*, 59). — II, 1149.  
**C<sub>54</sub>H<sub>44</sub>O<sub>22</sub>** C 62,1 — H 4,2 — O 33,7 — M. G. 1044.  
 1) Verbindung (aus Fichtenroth) (*B. 17*, 1129). — III, 681.  
**C<sub>54</sub>H<sub>44</sub>O<sub>24</sub>** C 60,2 — H 4,1 — O 35,7 — M. G. 1076.  
 1) Heptacetat d. Hemlockroth (*B. 17*, 1126). — III, 685.  
**C<sub>54</sub>H<sub>46</sub>O<sub>17</sub>** C 67,1 — H 4,8 — O 28,1 — M. G. 966.  
 1) Hexabenzozat d. Maltose. Sm. 120° (*H. 14*, 349). — II, 1143.  
 2) Hexabenzozat d. Milchzucker. Sm. 130—136° (*M. 10*, 398). — II, 1143.  
 3) Hexabenzozat d. Rohrzucker. Sm. bei 109° (*M. 10*, 398). — II, 1143.  
**C<sub>54</sub>H<sub>48</sub>O<sub>18</sub>** C 65,8 — H 4,9 — O 29,2 — M. G. 984.  
 1) Tetrabenzoylefraxinusgerbsäure (*M. 3*, 754). — III, 682.  
**C<sub>54</sub>H<sub>50</sub>O<sub>21</sub>** C 62,7 — H 4,8 — O 32,5 — M. G. 1034.  
 1) Verbindung, siehe C<sub>53</sub>H<sub>51</sub>O<sub>20</sub>.  $\alpha$ -Usinsäure.  
**C<sub>54</sub>H<sub>51</sub>N<sub>5</sub>** C 84,3 — H 6,6 — N 9,1 — M. G. 769.  
 1) Verbindung (aus Zimmtaldehyd) oder C<sub>53</sub>H<sub>51</sub>N<sub>5</sub> +  $\frac{1}{2}$ H<sub>2</sub>O. Sm. 106 bis 108° (*B. 17*, 2110; *Bl. [3] 18*, 270). — III, 60.  
**C<sub>54</sub>H<sub>51</sub>O<sub>24</sub>** C 58,1 — H 7,5 — O 34,4 — M. G. 1116.  
 1) Thevetin + 3H<sub>2</sub>O. Sm. 170° (*J. 1868*, 768; *B. 15*, 253). — III, 613.  
**C<sub>54</sub>H<sub>56</sub>O** C 86,4 — H 11,5 — O 2,1 — M. G. 750.  
 1) Cholesterollyäther. Sm. 195° (*M. 17*, 38).  
**C<sub>54</sub>H<sub>58</sub>O<sub>7</sub>** C 76,6 — H 10,2 — O 13,2 — M. G. 846.  
 1) Verbindung (aus Scymnol) (*H. 24*, 346).  
**C<sub>54</sub>H<sub>90</sub>O<sub>4</sub>** C 80,8 — H 11,1 — O 8,0 — M. G. 802.  
 1) Fabianol. Sd. 275° (*C. 1899* [1] 689).  
**C<sub>54</sub>H<sub>90</sub>O<sub>6</sub>** C 77,7 — H 10,8 — O 11,5 — M. G. 834.  
 1) Fabianaresen. Sm. bei 280°; subl. (*C. 1899* [1] 689).  
**C<sub>54</sub>H<sub>90</sub>O<sub>27</sub>** C 55,1 — H 8,2 — O 36,7 — M. G. 1176.  
 1) Convolvulin, siehe auch C<sub>52</sub>H<sub>51</sub>O<sub>16</sub>. Sm. 150—155° (*C. 1897* [1] 418).  
**C<sub>54</sub>H<sub>90</sub>O<sub>2</sub>** C 83,3 — H 12,6 — O 4,1 — M. G. 778.  
 1) Dioxyhydrofabianaresen (*C. 1899* [1] 690).  
**C<sub>54</sub>H<sub>106</sub>O<sub>2</sub>** C 82,2 — H 13,7 — O 4,1 — M. G. 788.  
 1) Cerylester d. Cerotinsäure. Sm. 82° (*A. 67*, 213; *B. 3*, 638). — I, 449.

- C<sub>54</sub>H<sub>44</sub>O<sub>15</sub>N<sub>2</sub>** C 74.0 — H 6.4 — O 16.4 — N 3.2 — M. G. 576.  
 1) **Benzylpapaverinumoxyd.** Sm. 165° (M. **9**, 333, 756; J. pr. [2] **56**, 327) — IV, 441.
- C<sub>54</sub>H<sub>48</sub>O<sub>15</sub>N** C 67.4 — H 6.1 — O 25.0 — N 1.4 — M. G. 961.
- C<sub>54</sub>H<sub>48</sub>O<sub>9</sub>N<sub>2</sub>** 1) **Tetrabenzoylpapaconin.** HNO<sub>3</sub> (Soc. **35**, 357) — III, 776.
- C<sub>54</sub>H<sub>48</sub>O<sub>9</sub>N<sub>2</sub>** C 72.2 — H 7.0 — O 16.0 — N 4.7 — M. G. 897.
- C<sub>54</sub>H<sub>48</sub>O<sub>15</sub>N<sub>2</sub>** 1) **Tricodein** (Soc. **25**, 507; **27**, 101) — III, 906.
- C<sub>54</sub>H<sub>48</sub>O<sub>15</sub>N<sub>2</sub>** C 43.1 — H 5.2 — O 47.9 — N 3.7 — M. G. 1502.
- C<sub>54</sub>H<sub>48</sub>O<sub>15</sub>N<sub>2</sub>** 1) Galaktin. 23 PbO (J. **1879**, 1130) — III, 894.
- C<sub>54</sub>H<sub>48</sub>O<sub>4</sub>Br<sub>4</sub>** 1) **Hexabromfabianarenes** (C. **1899** [1] 639).
- C<sub>54</sub>H<sub>48</sub>OBr<sub>4</sub>** 1) **Cholesteryläther-tetrabromid.** Sm. 164—169° u. Zers. (M. **17**, 40). C 54.7 — H 8.6 — O 31.0 — N 1.2 — M. G. 1055.
- C<sub>54</sub>H<sub>48</sub>O<sub>2</sub>N** 1) **Hexacetylsolanin?** (A. **195**, 221) — III, 612.
- C<sub>54</sub>H<sub>48</sub>O<sub>2</sub>Br<sub>4</sub>** 1) **Tribromenonvolvin** (C. **1897** [1] 418).
- C<sub>54</sub>H<sub>48</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **Verbindung** (aus Cholesterylchlorid). Sm. 110° (M. **15**, 108) — II, 1074.
- C<sub>54</sub>H<sub>48</sub>O<sub>2</sub>N<sub>2</sub>Cl<sub>2</sub>** 1) **Verbindung** (aus Cholesterylchlorid). Sm. 147° (M. **15**, 108) — II, 1074.

**C<sub>55</sub>-Gruppe.**

- C<sub>55</sub>H<sub>49</sub>N<sub>3</sub>Cl** 1) ***α*-Chlortri[4-Diphenylamidophenyl]methan** (B. **19**, 758) — IV, 1089.  
**C<sub>55</sub>H<sub>49</sub>ON<sub>3</sub>** C 85.7 — H 5.6 — O 2.1 — N 5.5 — M. G. 761.
- 1) ***α*-Oxytri[4-Diphenylamidophenyl]methan.** Chlorid (B. **19**, 758) — II, 1089.
- C<sub>55</sub>H<sub>48</sub>O<sub>2</sub>N<sub>2</sub>** C 75.2 — H 5.2 — O 16.4 — N 3.2 — M. G. 878.
- 1) **Tetrabenzoylhelicindoluid** (A. **154**, 36) — III, 69.
- C<sub>55</sub>H<sub>48</sub>O<sub>2</sub>N** 1) **Verbindung** (aus 2-Aminobenzolecarbonsäureamid u. Oxalsäurediethyl-ester). Sm. 140—141° (J. pr. [2] **43**, 228) — II, 1233.
- C<sub>55</sub>H<sub>48</sub>O<sub>17</sub>N<sub>17</sub>** C 49.4 — H 6.4 — O 26.4 — N 17.8 — M. G. 1335.
- 1) **Semiglutin.** Cu, Pt (H. **2**, 299) — IV, 1626.
- C<sub>55</sub>H<sub>48</sub>O<sub>14</sub>N<sub>2</sub>** C 63.7 — H 8.9 — O 24.7 — N 2.7 — M. G. 1036.
- C<sub>55</sub>H<sub>48</sub>O<sub>23</sub>N** 1) **Verin** (Veratroin). Sm. 143—144° (J. **1883**, 1351) — III, 949.
- C<sub>55</sub>H<sub>48</sub>O<sub>23</sub>N** C 52.9 — H 8.7 — O 28.2 — N 10.1 — M. G. 1247.
- 1) **Verbindung** (Säure aus Blut). Ba<sub>2</sub> (B. **25** [2] 476).

**C<sub>56</sub>-Gruppe.**

- C<sub>56</sub>H<sub>44</sub>O<sub>17</sub>** C 68.7 — H 3.5 — O 27.8 — M. G. 978.
- 1) **Heptaa salicylosalicylsäure** (A. **87**, 159; **115**, 196; **150**, 17) — II, 1498.
- 2) **Verbindung** (aus 3-Oxybenzol-1-Carbonsäure). Sm. 160—165° (B. **15**, 2585) — II, 1515.
- C<sub>56</sub>H<sub>44</sub>O<sub>24</sub>** C 60.9 — H 4.3 — O 34.8 — M. G. 1104.
- 1) **Verbindung** (aus Fichteneuthroth) (B. **17**, 1129) — III, 681.
- C<sub>56</sub>H<sub>74</sub>O<sub>29</sub>** C 55.4 — H 6.3 — O 38.3 — M. G. 1212.
- 1) **Acetyl derivat d. Saponin.** Sm. 135—138° (A. **218**, 251) — III, 610.
- C<sub>56</sub>H<sub>46</sub>O<sub>8</sub>** C 76.4 — H 9.1 — O 14.5 — M. G. 880.
- 1) **Dammarolsäure** (C. **1897** [1] 166).  
 C 59.8 — H 7.5 — O 32.7 — M. G. 1124.
- C<sub>56</sub>H<sub>46</sub>O<sub>23</sub>** 1) **Colocynthin** (J. **1858**, 831; **1861**, 757) — III, 577.
- C<sub>56</sub>H<sub>46</sub>O<sub>8</sub>** C 75.6 — H 10.0 — O 14.4 — M. G. 888.
- 1) **Trachylosäure.** Sm. 165° (168%) K<sub>4</sub>, Cu (C. **1896** [2] 795). C 85.7 — H 12.2 — O 2.0 — M. G. 784.
- 1) **Verbindung** (aus Bisabol-Myrrrhaöl). Sm. 230—231° (C. **1897** [2] 428).
- 2) **Verbindung** (aus Opopanax) (C. **1895** [2] 240).
- C<sub>56</sub>H<sub>46</sub>O<sub>17</sub>S** 1) **Verbindung** (aus Brenzkatechin u. 1-Methylbenzol-4-Carbonsäure-3-Sulfonsäure) + 3<sup>1</sup>H<sub>2</sub>O (Am. **16**, 519).
- C<sub>56</sub>H<sub>46</sub>O<sub>16</sub>S** 1) **Verbindung** (aus Resorcin u. 1-Methylbenzol-4-Carbonsäure-3-Sulfonsäure) (Am. **16**, 523). C 81.5 — H 5.7 — O 7.7 — N 5.1 — M. G. 825.
- 1) **Verbindung** (aus Isobidesyl). Sm. 110—112° (B. **21**, 1360) — III, 310.

- $C_{54}H_{44}N_4S_5$  1) **Verbindung** (aus dithiocarbamins. Dibenzylidenammonium) (*A. 71, 17*). — **III, 34.**  
 $C_{54}H_{44}O_{17}N_{13}$  C 57,6 — H 4,6 — O 23,3 — N 14,4 — M. G. 1166.  
 1) **Oktaspartotetraanilid.** Zers. bei 230—240° (*B. 30, 2452; A. 303, 203*).  
 $C_{54}H_{44}O_{21}N_{13}$  C 54,6 — H 4,4 — O 27,3 — N 13,7 — M. G. 1230.  
 1) **Tetraanilidooctasparsäure** (*A. 303, 204*).  
 $C_{54}H_{50}O_{11}N_2$  C 72,1 — H 6,0 — O 18,9 — N 3,0 — M. G. 932.  
 1) **Oxyd d. Papaverinphenacyloxyhydrat.** Sm. 186—187° (M. 9, 1042). — **IV, 441.**  
 $C_{54}H_{108}O_{15}N$  C 65,3 — H 10,0 — O 23,3 — N 1,3 — M. G. 1029.  
 1) **Diäthyldiisocamylolanin?** (*J. 1856, 547*). — **III, 612.**  
 $C_{54}H_{34}O_{16}Br_{10}S$  1) **Bromderivat d. Verb.**  $C_{54}H_{34}O_{16}S$  (*Am. 16, 524*).  
 $C_{54}H_{28}O_{14}Br_{11}S$  1) **Bromderivat d. Verb.**  $C_{54}H_{28}O_{14}S$  (*Am. 16, 523*).  
 $C_{54}H_{34}O_{18}N_2Br$  1) **Verbindung** (aus Brom-*o*-Orcindichroin) (*B. 21, 2484*). — **II, 966.**  
 $C_{54}H_{46}N_4Cl_4S_8$  1) **Verbindung** (aus Diisoamylcyaninhydrat). + 2PtCl<sub>4</sub> (*Z. 1867, 343*). — **IV, 315.**
- $C_{54}H_{67}O_{20}N_{10}JS_3$  1) **Jodospongin** (*H. 24, 418*). — **IV, 1633.**

 **$C_{57}$ -Gruppe.**

- $C_{57}H_{44}O_{14}$  C 72,6 — H 3,6 — O 23,8 — M. G. 942.  
 1) **Hexabenzoat d. Myricetin** (*Soc. 69, 1291*). — **III, 606.**  
 $C_{57}H_{77}O_{33}$  C 53,3 — H 5,6 — O 41,1 — M. G. 1284.  
 1) **Bitterstoff** (aus *Plumiera acutifolia*) + 2H<sub>2</sub>O. Sm. 157—158° (*C. 1896* [1] 561).  
 $C_{57}H_{96}O_6$  C 77,9 — H 11,2 — O 10,9 — M. G. 878.  
 1) **Triglycerid d. Taririnsäure** (*B. 25* [2] 109; *27* [2] 20).  
 $C_{57}H_{104}O_6$  C 77,3 — H 11,7 — O 10,9 — M. G. 884.  
 1) **Glycerintriolein.** 2 + 3H<sub>2</sub>SO<sub>4</sub> (*A. ch. [3] 41, 251; B. 15, 253; J. pr. [2] 37, 68*). — **I, 526.**  
 2) **Glycerintriolaidin.** Sm. 32° (38°) (*A. 35, 177; J. 1852, 511*). — **I, 527.**  
 $C_{57}H_{108}O_6$  C 77,0 — H 12,1 — O 10,8 — M. G. 888.  
 1) **Glycerinoleindistearin.** Sm. 45—46° (*B. 32, 388*).  
 2) **Glycerinolaidindistearin.** Sm. 61° (*B. 32, 393*).  
 $C_{57}H_{110}O_6$  C 76,8 — H 12,4 — O 10,8 — M. G. 890.  
 1) **Glycerintriostearin.** Sm. 71,5° (55%) (*J. 1852, 507; 1854, 447; A. ch. [3] 41, 228*). — **I, 446.**  
 $C_{57}H_{114}O_6$  C 82,4 — H 13,7 — O 3,9 — M. G. 830.  
 1) **Myricylester d. Cerotinsäure.** Sm. 87° (*Bl. [3] 11, 186*).  
 $C_{57}H_{94}O_6Br_{14}$  1) **Verbindung** (aus Leinöl) (*C. 1899* [1] 383).  
 $C_{57}H_{108}O_6ClJ$  1) **Glycerinester d.  $\alpha$ -Sulfooxystearinsäure.** Ba, Cu (*J. pr. [2] 37, 86*). — **I, 904.**  
 $C_{57}H_{110}O_6N_2$  C 64,4 — H 10,4 — O 22,6 — N 2,6 — M. G. 1062.  
 1) **Pyosin.** Sm. 238° (*H. 17, 453*). — **III, 602.**  
 $C_{57}H_{108}O_6ClJ$  1) **Glycerinoleindistearinchloridjodid.** Sm. 44,5—45,5° (*B. 32, 390*).  
 2) **Glycerinelaidindistearinchloridjodid.** Sm. 57—58° (*B. 32, 393*).

 **$C_{58}$ -Gruppe.**

- $C_{58}H_{46}O_{28}$  C 62,7 — H 4,1 — O 33,2 — M. G. 1110.  
 1) **Fustin.** Sm. 218—219° u. Zers. (*B. 19, 1735*). — **III, 583.**  
 $C_{58}H_{54}O_{14}$  C 71,5 — H 5,5 — O 23,0 — M. G. 974.  
 1) **Tetraisovalerat d. Pyrogallolbenzén.** Sm. 227—228° (*A. 257, 64*). — **II, 1044.**  
 $C_{58}H_{55}O_{13}$  C 72,3 — H 6,0 — O 21,6 — M. G. 962.  
 1) **Hexacetat d. o-Verbindung**  $C_{58}H_{54}O_7$  (*A. 257, 329*). — **II, 1029.**  
 2) **Hexacetat d. p-Verbindung**  $C_{58}H_{54}O_7$  (*A. 257, 329*). — **II, 1029.**  
 $C_{58}H_{56}O_{21}$  C 54,5 — H 6,7 — O 38,8 — M. G. 1278.  
 1) **Crocin** (*J. 1854, 663; 1858, 475*). — **III, 579.**

$C_{58}H_{98}O_6$  C 80,6 — H 10,2 — O 9,2 — M. G. 864.

1) Isotrichylolsäure. Sm. 105—107° (C. 1898 [2] 796).

$C_{58}H_{98}O_2N_2S_2$  1) Verbindung (aus Diisomethylcyaninnitrat) (Z. 1867, 343). — IV, 315.

### $C_{60}$ -Gruppe.

$C_{60}H_{100}$

C 87,8 — H 12,2 — M. G. 820.

1) Pertusaren. Sm. 286° (J. pr. [2] 58, 505).

$C_{60}H_{112}$

C 85,5 — H 14,5 — M. G. 842.

1) Kohlenwasserstoff (aus Myrcyljodid). Sm. 101—102° (B. 22, 504). — I, 107.

$C_{60}H_{54}O_{37}$

C 59,7 — H 4,5 — O 35,8 — M. G. 1206.

1) Humussäure. Ag. (J. 1873, 844). — I, 1108.

$C_{60}H_{56}O_9$

C 75,0 — H 10,0 — O 15,0 — M. G. 960.

1) Triacetat d. Fabianaresen. Sm. 234° (C. 1899 [1] 690).

$C_{60}H_{56}O_{32}$

C 61,6 — H 8,2 — O 30,1 — M. G. 1168.

1) Saurer Pentaäthylester d. Cholecamphersäure. Sm. 150—170°.

$C_{60}H_{96}O$

Ba, Ag. (B. 19, 1525). — I, 727.

C 86,3 — H 11,8 — O 1,9 — M. G. 834.

$C_{60}H_{104}O_{52}$

1) Copainaöhydrat. Sd. 252—260° (M. 2, 512). — III, 540.

$C_{60}H_{120}O_1$

C 43,5 — H 6,3 — O 50,2 — M. G. 1656.

1) Inulениn (B. 26 [2] 233).

$C_{60}H_{120}O_2$

C 82,6 — H 13,7 — O 3,7 — M. G. 872.

1) Myrcylester d. Melissinsäure. Sm. 92° (Bl. [3] 11, 186).

$C_{60}H_{124}N$

2) Verbindung (aus Kentuckytabak). Sm. 51° (B. 16, 2433). — I, 457.

$C_{60}H_{124}N_2$

C 84,0 — H 14,3 — N 1,6 — M. G. 857.

1) Dimyrcylamin. Sm. 78° (A. 183, 351). — I, 1139.

$C_{60}H_{48}O_{12}N_2$

C 67,3 — H 4,5 — O 16,4 — N 11,8 — M. G. 1070.

$C_{60}H_{48}O_{12}N_4$

1) Conchiolin (J. 1854, 710; 1860, 570; B. 18, 989). — IV, 1633.

$C_{60}H_{48}O_{12}N_4$

C 63,3 — H 7,8 — O 21,8 — N 5,1 — M. G. 1102.

1) Cacaonin (C. 1898 [2] 217).

$C_{60}H_{48}O_{12}N_8Br$

1) Hexacetat d. Brom-a-Tetra[1,3-Dioxybenzol]dichroinäther. Sm. 120° (B. 21, 2481). — II, 931.

$C_{60}H_{56}O_{36}N_2N_2Br_4$

1) Verbindung (aus Casein) (J. 1879, 870). — IV, 1585.

$C_{60}H_{56}O_{36}N_2N_2Br_3$

1) Verbindung (aus Eiweiss) (J. 1879, 870). — IV, 1585.

### $C_{61}$ -Gruppe.

$C_{61}H_{50}O_6$

C 68,4 — H 4,7 — O 26,9 — M. G. 1070.

1) Heptabenzoat d. Maltose. Sm. 109—115° (J. r. 23, 375). — II, 1143.

$C_{61}H_{74}N_8$

2) Heptabenzoat d. Milchzucker. Sm. 200° (J. r. 23, 378). — II, 1143.

$C_{61}H_{52}O_6$

C 82,3 — H 8,3 — N 9,4 — M. G. 890.

1) Triönanthyllidirosanilin. (2HCl, PtCl<sub>6</sub>, (4HCl, 2PtCl<sub>6</sub>), H<sub>2</sub>AsO<sub>4</sub>, Acetat (Z. 1865, 550; 1867, 176; A. 140, 105). — II, 1093.

$C_{61}H_{52}O_6$

C 52,1 — H 6,8 — O 41,0 — M. G. 1404.

1) Oktacetylconvulvulinsäure (C. 1897 [1] 419).

### $C_{62}$ -Gruppe.

$C_{62}H_{44}O_{14}$

C 71,3 — H 4,2 — O 24,5 — M. G. 1044.

1) Hexabenzoat d. Scoparin. Sm. 148—150° (M. 15, 327). — III, 648.

$C_{62}H_{48}O_{35}$

1) Verbindung (aus Saponin). Sm. 82—84° (A. 218, 252). — III, 610.

$C_{62}H_{44}O_4$

C 82,5 — H 10,4 — O 7,1 — M. G. 902.

1) Dicholerinester d. Benzol-1,2-Dicarbonsäure. Sm. 182,5° (H. 15, 43). — II, 1794.

### $C_{63}$ -Gruppe.

$C_{63}H_{72}O_{27}$

C 60,0 — H 5,7 — O 34,3 — M. G. 1260.

1) Verbindung (aus Fraxinusgerbsäure) (M. 3, 759, 760). — III, 682.

- $C_{63}H_{122}O_8$  C 79,6 — H 12,8 — O 7,6 — M. G. 974.  
 1) **Glycerintriarachin** (*A. ch.* [3] 47, 358). — **I**, 447.  
 $C_{63}H_{124}O_8$  C 78,8 — H 12,9 — O 8,3 — M. G. 960.  
 1) **Glycerindimelissin**. Sm. 93° (*C. 1896* [1] 642).  
 $C_{63}H_{60}O_{20}N_2Fe$  1) **Blauer Weintraubenfarbstoff** (*Bl. 32*, 103). — **III**, 673.

 **$C_{64}$ -Gruppe.**

- $C_{64}H_{99}S_3$  1) **Verbindung** (aus Asphalt). — **III**, 565.  
 $C_{64}H_{100}O_{20}N_{10}$  C 54,4 — H 7,1 — O 22,7 — N 15,8 — M. G. 1412.  
 1) **Eiweiss** (*J. 1879*, 870). — **IV**, 1585.

 **$C_{65}$ -Gruppe.**

- $C_6H_{42}O_{17}$  C 71,3 — H 3,8 — O 24,9 — M. G. 1094.  
 1) **Benzoylderivat d. Podophylloqueretin**. Sm. 239° (*B. 24* [2] 646). — **III**, 645.  
 $C_{65}H_{44}O_{22}$  C 66,1 — H 4,0 — O 20,8 — M. G. 1180.  
 1) **Säure** (aus Phenol) (*G. 14*, 103). — **II**, 649.  
 $C_{65}H_{44}O_8$  C 78,6 — H 8,5 — O 12,9 — M. G. 992.  
 1) **Callitrolsäure**. Sm. 248°. Cu (*B. 29* [2] 687; *C. 1896* [2] 184). — **III**, 561.  
 $C_6H_{128}O_{19}N_2$  C 62,9 — H 10,3 — O 24,5 — N 2,3 — M. G. 1240.  
 1) **Pyogenin**. Sm. 221—222° (*H. 17*, 453). — **III**, 602.

 **$C_{66}$ -Gruppe.**

- $C_{66}H_4O_{11}$  C 81,5 — H 0,4 — O 18,1 — M. G. 972.  
 1) **Verbindung** (aus Graphit) (*A. 114*, 20). — **II**, 2021.  
 $C_{66}H_{46}O_{15}$  C 73,9 — H 3,7 — O 22,4 — M. G. 1072.  
 1) **Tetrabenzoat d. Pyrogallolbenzoin**. Sm. 251° (*A. 257*, 64). — **II**, 1044.  
 $C_{66}H_{132}O_2$  C 82,9 — H 13,8 — O 3,3 — M. G. 956.  
 1) **Aether d. Psyllostearylalkohol**. Sm. 96° (*H. 17*, 425; *25*, 116).  
 $C_{66}H_{51}O_{21}N$  C 66,4 — H 4,3 — O 28,2 — N 1,1 — M. G. 1193.  
 1) **Verbindung** (aus Brasilin) (*A. 178*, 101). — **III**, 652.  
 $C_{66}H_{58}O_{21}N_7$  C 63,7 — H 7,1 — O 27,0 — N 2,2 — M. G. 1244.  
 1) **Japaconitin**. Sm. 184—186°.  $2HBr + 5H_2O$ ,  $HNO_3$  (*Soc. 35*, 387). — **III**, 776.  
 $C_{66}H_{48}O_{18}N_3Cl$  1) **Chlor-a-Penta[1,3-Dioxybenzol]dichroinäther** (*B. 21*, 2479). — **II**, 931.  
 $C_{66}H_{43}O_8N_3Br_1$  1) **Verbindung** (aus Amidobenzol u. Xantogallolsäure) (*A. 245*, 346). — **II**, 1015.  
 $C_{66}H_{42}O_8N_3Cl_2$  1) **Chloralhydroveratratin**. Sm. 220° (*Am. 20*, 367).  
 $C_{66}H_{116}O_{54}N_{10}S$  1) **Uropotsäure +  $xH_2O$** . Ba (*C. 1897* [2] 1154). — **IV**, 1603.

 **$C_{67}$ -Gruppe.**

- $C_6H_{60}O_{23}$  C 65,3 — H 4,9 — O 29,8 — M. G. 1232.  
 1) **Heptabenzoat d. löslichen Stärke**  $C_{15}H_{83}O_{16}$ . Sm. oberh. 120° (*B. 31*, 1793).  
 $C_6H_{66}O_9$  C 79,1 — H 6,7 — O 14,2 — M. G. 1016.  
 1) **Acetylcallitrolsäure** (*C. 1896* [2] 184).

 **$C_{68}$ -Gruppe.**

- $C_6H_{52}O_{20}$  C 68,7 — H 4,4 — O 26,9 — M. G. 1188.  
 1) **Hexabenzoylruberythrinsäure** (*Soc. 65*, 187). — **III**, 607.

- C<sub>68</sub>H<sub>126</sub>O<sub>4</sub>** C 81,1 — H 12,5 — O 6,4 — M. G. 1006.  
 1) **Dimyrcylester d. Benzol-1,2-Dicarbonsäure.** Sm. 79° (*Bl. [3] 11*, 186). — **II, 1794.**
- C<sub>68</sub>H<sub>66</sub>O<sub>17</sub>N<sub>4</sub>** C 60,3 — H 5,0 — O 20,1 — N 14,5 — M. G. 1352.  
 1) **Oktospartidohexaanilid.** Zers. bei 125° (*A. 303*, 205).
- C<sub>68</sub>H<sub>76</sub>O<sub>12</sub>N<sub>4</sub>** C 71,6 — H 6,7 — O 16,8 — N 4,9 — M. G. 1140.  
 1) **Tetramorphin = (C<sub>17</sub>H<sub>19</sub>O<sub>3</sub>N)<sub>4</sub> · 2H<sub>2</sub>SO<sub>4</sub>** (*Soc. 26*, 221; **28**, 314; *A. 55*, 96; **68**, 359). — **III, 900.**
- C<sub>68</sub>H<sub>72</sub>O<sub>12</sub>N<sub>8</sub>** C 73,0 — H 7,0 — O 10,0 — N 10,0 — M. G. 1118.  
 1) **Hämatalin** (*B. 17*, 2272). — **IV, 1620.**
- C<sub>68</sub>H<sub>80</sub>O<sub>10</sub>N<sub>4</sub>** C 73,4 — H 7,2 — O 14,4 — N 5,0 — M. G. 1112.  
 1) **Verbindung** (aus Codein). 4HJ (*J. 1871*, 780). — **III, 907.**
- C<sub>68</sub>H<sub>88</sub>O<sub>10</sub>N<sub>4</sub>** C 72,9 — H 7,8 — O 14,3 — N 5,0 — M. G. 1120.  
 1) **Verbindung** (aus Codein) (*J. 1871*, 780). — **III, 907.**
- C<sub>68</sub>H<sub>72</sub>O<sub>26</sub>N<sub>10</sub>S** 1) **Melanin + 1/4H<sub>2</sub>O** (*C. 1897* [1] 1063).  
 C<sub>68</sub>H<sub>74</sub>O<sub>26</sub>N<sub>10</sub>Br 1) **Sarkomelaninsäure + 2 1/4H<sub>2</sub>O** (*C. 1897* [1] 1063).  
 C<sub>68</sub>H<sub>87</sub>O<sub>26</sub>N<sub>12</sub>S 1) **Sarkomelaninsäure + 3 1/3H<sub>2</sub>O** (*C. 1897* [1] 1063).  
 C<sub>68</sub>H<sub>75</sub>O<sub>26</sub>N<sub>12</sub>Br 1) **Bromtetrmorphin** (*J. 1871*, 779). — **III, 907.**
- C<sub>68</sub>H<sub>80</sub>O<sub>12</sub>N<sub>4</sub>J** 1) **Verbindung** (aus Codein) (*J. 1871*, 780). — **III, 907.**
- C<sub>68</sub>H<sub>82</sub>O<sub>12</sub>N<sub>4</sub>J<sub>2</sub>** 1) **Verbindung** (aus Codein). 4HJ (*J. 1871*, 780). — **III, 907.**
- C<sub>68</sub>H<sub>80</sub>O<sub>12</sub>N<sub>4</sub>J<sub>3</sub>** 1) **Verbindung** (aus Codein). 4HJ (*J. 1871*, 780). — **III, 907.**
- C<sub>68</sub>H<sub>80</sub>O<sub>12</sub>N<sub>4</sub>J<sub>2</sub>** 1) **Verbindung** (aus Codein). 4HJ (*J. 1871*, 780). — **III, 907.**
- C<sub>68</sub>H<sub>80</sub>O<sub>12</sub>N<sub>4</sub>J<sub>3</sub>** 1) **Verbindung** (aus Codein). 4HJ (*J. 1871*, 780). — **III, 907.**
- C<sub>68</sub>H<sub>107</sub>O<sub>92</sub>N<sub>4</sub>J<sub>8</sub>** 1) **Verbindung** (aus Codein). 4HJ (*J. 1871*, 780). — **III, 907.**

**C<sub>69</sub>-Gruppe.**

- C<sub>69</sub>H<sub>128</sub>O<sub>4</sub>** C 78,7 — H 12,2 — O 9,1 — M. G. 1052.  
 1) **Glycerintrierucin.** Sm. 31° (*B. 20*, 2386; *J. pr. [2] 42*, 371). — **I, 528.**  
 2) **Glycerintribrassidin.** Sm. 47° (*B. 19*, 3321; *J. pr. [2] 42*, 372). — **I, 528.**

**C<sub>70</sub>-Gruppe.**

- C<sub>70</sub>H<sub>140</sub>O<sub>2</sub>** C 83,0 — H 13,8 — O 3,2 — M. G. 1012.  
 1) **Verbindung** (aus Kentuckytabak). Sm. 63° (*B. 16*, 2433). — **I, 457.**
- C<sub>70</sub>H<sub>138</sub>O<sub>13</sub>N<sub>2</sub>** C 70,1 — H 11,5 — O 16,0 — N 2,3 — M. G. 1198.  
 1) **Kerasin** (Homocerebrin). Sm. 156° (155°) (*J. pr. [2] 24*, 326, 333; [2] 25, 37; *H. 17*, 443). — **III, 574.**
- C<sub>70</sub>H<sub>140</sub>O<sub>13</sub>N<sub>2</sub>** C 69,1 — H 11,5 — O 17,1 — N 2,3 — M. G. 1216.  
 1) **Cerebrin.** Sm. 176° (*J. pr. [2] 24*, 325, 328; [2] 25, 19; [2] 53, 49, 80; *H. 17*, 441). — **III, 574.**
- C<sub>70</sub>H<sub>80</sub>O<sub>26</sub>N<sub>4</sub>Cl** 1) **Hexabenzoylderivat d. Verb.** C<sub>58</sub>H<sub>80</sub>O<sub>26</sub>N<sub>4</sub>Cl (*B. 31*, 1411).  
 C<sub>70</sub>H<sub>80</sub>O<sub>26</sub>N<sub>7</sub>Br 1) **Hexabenzoylderivat d. Verb.** C<sub>58</sub>H<sub>80</sub>O<sub>26</sub>N<sub>7</sub>Br (*B. 31*, 1413).  
 C<sub>70</sub>H<sub>80</sub>O<sub>12</sub>N<sub>4</sub>Fe<sub>3</sub> 1) **Häminsäure** (*J. pr. [2] 29*, 342). — **IV, 1617.**  
 C<sub>70</sub>H<sub>79</sub>O<sub>12</sub>N<sub>4</sub>Cl 1) **Verbindung** (aus Brontetramorphin). 4HCl (*J. 1871*, 779). — **III, 907.**
- C<sub>70</sub>H<sub>111</sub>O<sub>35</sub>N<sub>31</sub>P<sub>4</sub>** 1) **Salmonucleinsaures Protamin** (*H. 23*, 409). — **IV, 1623.**
- C<sub>70</sub>H<sub>85</sub>O<sub>12</sub>N<sub>4</sub>Br<sub>3</sub>** 1) **Tribromkerasin** (*H. 17*, 448).  
 C<sub>70</sub>H<sub>87</sub>O<sub>12</sub>N<sub>4</sub>Br<sub>3</sub> 1) **Tribromcerebrin** (*H. 17*, 448).

**C<sub>71</sub>-Gruppe.**

- C<sub>71</sub>H<sub>112</sub>O<sub>59</sub>** C 44,6 — H 5,9 — O 49,4 — M. G. 1908.  
 1) **Arabinose** (*Soc. 45*, 54). — **I, 1101.**

**C<sub>72</sub>-Gruppe.**

- C<sub>72</sub>H<sub>67</sub>O<sub>31</sub>** C 60,8 — H 4,3 — O 34,9 — M. G. 1422.  
 1) **Anhydrid d. Sorbinosephloroglucid** (*C. 1896* [2] 486).

- C<sub>72</sub>H<sub>68</sub>O<sub>38</sub>** C 59,3 — H 4,5 — O 36,2 — M. G. 1458.  
 1) **Anhydrid d. Lävulosephloroglucid** (*C. 1896* [2] 486).  
**C<sub>72</sub>H<sub>69</sub>O<sub>41</sub>** C 53,7 — H 5,6 — O 40,7 — M. G. 1610.  
 1) **Acetylxanthorhamnin** (*J. 1868*, 776). — **III, 615.**  
**C<sub>72</sub>H<sub>112</sub>O<sub>40</sub>** C 53,5 — H 6,9 — O 39,6 — M. G. 1616.  
 1) **Saporubrin** (*C. 1897* [1] 302).  
**C<sub>72</sub>H<sub>114</sub>O<sub>36</sub>** C 55,6 — H 7,3 — O 37,1 — M. G. 1554.  
 1) **Nonacetat d. Convolvulin**. Sm. 112—115° (*C. 1897* [1] 418).  
**C<sub>72</sub>H<sub>120</sub>O<sub>4</sub>** C 80,0 — H 11,1 — O 8,9 — M. G. 1080.  
 1) **Dicaperin + H<sub>2</sub>O**. Sm. 227—228° (248—250° wasserfrei) (*J. pr.* [2] 57, 433).  
**C<sub>72</sub>H<sub>126</sub>O<sub>63</sub>** C 43,2 — H 6,3 — O 50,5 — M. G. 1998.  
 1) **Heilanthenin**. Sm. 176° (*B. 26* [2] 691).  
**C<sub>72</sub>H<sub>14</sub>N<sub>12</sub>O<sub>4</sub>** C 72,2 — H 7,0 — O 16,1 — N 4,7 — M. G. 1196.  
 1) **Tetracodein** (*Soc. 25*, 506; **27**, 107; **28**, 324). — **III, 906.**  
**C<sub>72</sub>H<sub>114</sub>O<sub>15</sub>P<sub>2</sub>** 1) **Cholophosphinsäure** (*A. 157*, 282). — **I, 783.**  
**C<sub>72</sub>H<sub>14</sub>O<sub>12</sub>N<sub>4</sub>Cl** 1) **Chlortetracodein**. 4HCl (*J. 1871*, 778). — **III, 907.**  
**C<sub>72</sub>H<sub>14</sub>O<sub>12</sub>N<sub>4</sub>Br** 1) **Bromtetracodein**. 4HBr (*J. 1871*, 778). — **III, 907.**  
**C<sub>72</sub>H<sub>108</sub>O<sub>8</sub>N<sub>18</sub>S** 1) **Oxytrinitroalbumin** (*J. pr.* [2] 5, 436). — **IV, 1593.**  
**C<sub>72</sub>H<sub>108</sub>O<sub>8</sub>N<sub>4</sub>S<sub>2</sub>** 1) **Hexanitroalbuminsulfonsäure** (*J. pr.* [2] 3, 183). — **IV, 1594.**  
**C<sub>72</sub>H<sub>108</sub>O<sub>8</sub>N<sub>4</sub>S<sub>2</sub>** 1) **Trinitroalbumin** (*J. pr.* [2] 5, 434). — **IV, 1593.**  
**C<sub>72</sub>H<sub>112</sub>O<sub>22</sub>N<sub>18</sub>S** 1) **Albumin**. Lat. bedeutend. — **IV, 1589.**  
 2) **Pepton**. Arg. (*J. Th. 1883*, 24). — **IV, 1639.**  
**C<sub>73</sub>H<sub>112</sub>O<sub>9</sub>N<sub>18</sub>S<sub>2</sub>** 1) **Albuminsulfonsäure** (*J. pr.* [2] 3, 184). — **IV, 1593.**  
**C<sub>73</sub>H<sub>118</sub>O<sub>22</sub>N<sub>18</sub>S** 1) **Hexaamidoalbuminsulfonsäure** (*J. pr.* [2] 3, 184). — **IV, 1594.**  
**C<sub>73</sub>H<sub>112</sub>O<sub>22</sub>N<sub>18</sub>S** 1) **Oxyprotsulfonsäure** (*M. 6*, 111). — **II, 2111.**

### C<sub>73</sub>-Gruppe.

- C<sub>73</sub>H<sub>100</sub>O<sub>8</sub>** C 58,9 — H 6,7 — O 34,4 — M. G. 1488.  
 1) **Tetrabenzylicconvolvulinsäure**. Sm. 115—118° (*C. 1897* [1] 419).

### C<sub>74</sub>-Gruppe.

- C<sub>74</sub>H<sub>19</sub>O<sub>9</sub>N<sub>8</sub>Br<sub>11</sub>** 1) **Verbindung** (aus 4-Amido-1-Methylbenzol u. Xanthogallolsäure) (*A. 245*, 346). — **II, 1015.**  
**C<sub>74</sub>H<sub>11</sub>O<sub>7</sub>N<sub>20</sub>S** 1) **Albumincyanid + 3H<sub>2</sub>O** (*J. pr.* [2] 16, 65). — **IV, 1593.**

### C<sub>75</sub>-Gruppe.

- C<sub>75</sub>H<sub>54</sub>O<sub>15</sub>** C 75,4 — H 4,5 — O 20,1 — M. G. 1194.  
 1) **Dibenzoat d. Rottlerin** (*G. 24* [1] 6). — **III, 671.**  
**C<sub>75</sub>H<sub>50</sub>O<sub>21</sub>** C 68,7 — H 4,3 — O 27,0 — M. G. 1292.  
 1) **Heptabenzylicruberithrinäure** (*Soc. 65*, 187). — **III, 607.**  
**C<sub>75</sub>H<sub>102</sub>O<sub>9</sub>** C 78,5 — H 8,9 — O 13,6 — M. G. 1146.  
 1) **Tribenzoat d. Fabianaresen**. Sm. 61° (*C. 1899* [1] 690).  
**C<sub>75</sub>H<sub>106</sub>O<sub>30</sub>** C 60,5 — H 7,3 — O 32,2 — M. G. 1488.  
 1) **Tribenzoat d. Convolvulin**. Sm. 125—131° (*C. 1897* [1] 418).

### C<sub>76</sub>-Gruppe.

- C<sub>76</sub>H<sub>124</sub>O<sub>20</sub>N<sub>24</sub>** C 49,7 — H 6,8 — O 25,3 — N 18,2 — M. G. 1836.  
 1) **Leim**. — **IV, 1626.**  
**C<sub>76</sub>H<sub>119</sub>O<sub>26</sub>N<sub>22</sub>S<sub>1</sub>** **Cyalbidin** (*J. pr.* [2] 16, 66). — **IV, 1593.**  
**C<sub>76</sub>H<sub>164</sub>O<sub>14</sub>N<sub>3</sub>P<sub>1</sub>** 1) **Verbindung** + 2CdCl<sub>2</sub> (*B. 9*, 948). — **IV, 1619.**

### C<sub>78</sub>-Gruppe.

- C<sub>78</sub>H<sub>53</sub>Br<sub>2</sub>** 1) **Verbindung** (aus 1,2-Dibrombenzol). Sm. 280—290° (*M. 14*, 328). — **II, 57.**  
 2) **Verbindung** (aus 1,3-Dibrombenzol) (*M. 7*, 45; *14*, 332). — **II, 57.**  
 3) **Verbindung** (aus 1,4-Dibrombenzol) (*M. 7*, 42; *14*, 332). — **II, 58.**

- C<sub>75</sub>H<sub>148</sub>O<sub>9</sub>** C 76,2 — H 12,1 — O 11,7 — M. G. 1228.  
 1) Dulcitanitetraearat (BERTHELOT, Chim. org. synth. 2, 210).  
 2) Mannitanitetraearat (A. ch. [3] 47, 324). — I, 446.  
 3) Pinnittetraearat (BERTHELOT, Chim. org. synth. 2, 216). — I, 446.  
**C<sub>78</sub>H<sub>157</sub>O<sub>6</sub>** C 79,0 — H 12,8 — O 8,1 — M. G. 1184.  
**C<sub>78</sub>H<sub>180</sub>O<sub>52</sub>N<sub>24</sub>** 1) Glycerintricerotin. Sm. 76,5—77° (C. 1896 [1] 642).  
 C 47,6 — H 9,2 — O 26,1 — N 17,1 — M. G. 1964.  
**C<sub>78</sub>H<sub>172</sub>O<sub>52</sub>N<sub>24</sub>S** 1) Gelatine (C. 1895 [1] 962).  
 C 79,0 — H 12,8 — O 8,1 — M. G. 1184.  
 1) Serumalbumin (aus Pferdeblut) (C. 1897 [1] 1063). — IV, 1594.

**C<sub>so</sub>-Gruppe.**

- C<sub>80</sub>H<sub>48</sub>O<sub>9</sub>** C 83,5 — H 4,0 — O 12,5 — M. G. 1150.  
 1) Verbindung (aus Idrialin) (J. 1879, 367). — II, 279.  
**C<sub>80</sub>H<sub>48</sub>O<sub>10</sub>** C 82,3 — H 3,9 — O 13,7 — M. G. 1166.  
**C<sub>80</sub>H<sub>54</sub>O<sub>7</sub>** 1) Oxyidrialin (B. 11, 1580). — II, 279.  
 C 91,8 — H 5,1 — O 3,1 — M. G. 1046.  
 1) Idrialin (A. 5, 16; 24, 336; 52, 100; A. ch. [2] 66, 143; J. 1879, 366; B. 11, 1570). — II, 279.  
**C<sub>80</sub>H<sub>104</sub>O<sub>8</sub>** C 80,5 — H 8,7 — O 10,7 — M. G. 1192.  
**C<sub>80</sub>H<sub>120</sub>O<sub>5</sub>** 1)  $\beta$ -Naphtolcampher. Fl. (Bl. [3] 4, 726). — III, 487.  
**C<sub>80</sub>H<sub>94</sub>O<sub>36</sub>N<sub>14</sub>** C 82,8 — H 10,3 — O 6,9 — M. G. 1160.  
 1) Succinoabietinsäure. Sm. 145°. Pb, Ag, (B. 28 [2] 611; C. 1895 [1] 555).  
**C<sub>80</sub>H<sub>124</sub>O<sub>79</sub>** C 62,0 — H 8,0 — O 30,0 — M. G. 1548.  
 1) Butyrylderivat d. Saponin. Sm. 68—72° (A. 218, 253). — III, 610.  
**C<sub>80</sub>H<sub>94</sub>O<sub>36</sub>N<sub>14</sub>** C 53,5 — H 1,9 — O 32,1 — N 12,5 — M. G. 1794.  
**C<sub>80</sub>H<sub>36</sub>O<sub>9</sub>Br<sub>18</sub>** 1) Hexadekanitroidrialin (J. 1879, 366). — II, 279.  
**C<sub>80</sub>H<sub>42</sub>O<sub>9</sub>Br<sub>12</sub>** 1) Oktadekabromidrialin (J. 1879, 366). — II, 279.  
**C<sub>80</sub>H<sub>48</sub>O<sub>9</sub>N<sub>11</sub>** 1) Dodekabromidrialin (J. 1879, 366). — II, 279.  
 C 62,3 — H 2,8 — O 24,9 — N 10,0 — M. G. 1541.  
 1) Undekanitroidrialin (J. 1879, 366). — II, 279.  
**C<sub>80</sub>H<sub>92</sub>O<sub>17</sub>N<sub>16</sub>** C 62,4 — H 5,3 — O 17,7 — N 14,6 — M. G. 1538.  
 1) Oktoaspartooktoanilid. Zers. bei 130° (A. 303, 205).  
**C<sub>80</sub>H<sub>96</sub>O<sub>17</sub>N<sub>20</sub>** C 60,1 — H 5,4 — O 17,0 — N 17,5 — M. G. 1598.  
 1) Oktoaspartotetranilidtetraphenylhydrazid. Sm. 210° u. Zers. (B. 30, 2452; A. 303, 204). — IV, 704.  
**C<sub>80</sub>H<sub>96</sub>O<sub>17</sub>N<sub>24</sub>** C 57,9 — H 5,4 — O 16,4 — N 20,3 — M. G. 1658.  
 1) Oktoaspartophenylhydrazid. Sm. 200—205° u. Zers. (B. 30, 2452; A. 303, 199). — IV, 704.  
**C<sub>80</sub>H<sub>92</sub>O<sub>16</sub>N<sub>4</sub>** C 70,4 — H 6,7 — O 18,8 — N 4,1 — M. G. 1364.  
 1) Acetyltertacodein (Soc. 25, 506; 28, 324). — III, 906.  
**C<sub>80</sub>H<sub>111</sub>O<sub>37</sub>N<sub>16</sub>S** 1) Albumincyanid (J. pr. [2] 16, 68). — IV, 1593.  
**C<sub>80</sub>H<sub>121</sub>O<sub>37</sub>N<sub>20</sub>S** 1) Eieralbumin + H<sub>2</sub>O (C. 1897 [1] 1063). — IV, 1591.  
**C<sub>80</sub>H<sub>122</sub>O<sub>37</sub>N<sub>20</sub>S** 1) Oxyproteulfonsäure + 2H<sub>2</sub>O (C. 1897 [1] 1063).

**C<sub>s2</sub>-Gruppe.**

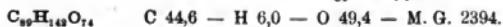
- C<sub>82</sub>H<sub>100</sub>O<sub>46</sub>** C 54,1 — H 5,5 — O 40,4 — M. G. 1820.  
 1) Acetyltertacodein (Soc. 25, 506; 28, 324). — III, 906.  
**C<sub>82</sub>H<sub>84</sub>O<sub>76</sub>N<sub>2</sub>Cl** 1) Okacetat d. Chlor- $\alpha$ -Penta[1,3-Dioxybenzol]dichroinäther (B. 21, 2480). — II, 931.

**C<sub>s4</sub>-Gruppe.**

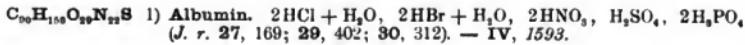
- C<sub>84</sub>H<sub>64</sub>O<sub>39</sub>** C 63,6 — H 4,0 — O 32,3 — M. G. 1584.  
 1) Triacetylävinin. Sm. 80° (Bl. [3] 5, 724).

**C<sub>so</sub>-Gruppe.**

- C<sub>86</sub>H<sub>48</sub>O<sub>25</sub>** C 69,8 — H 3,1 — O 27,1 — M. G. 1478.  
 1) Verbindung (aus Trioxylfluorondicarbonsäure). Sm. 250,5—252,5° (B. 31, 270).

**C<sub>89</sub>-Gruppe.**

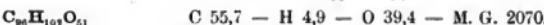
1) **Arabinsäure.** CaO, BaO (*Soc. 45*, 54). — I, 1101.

**C<sub>90</sub>-Gruppe.****C<sub>91</sub>-Gruppe.**

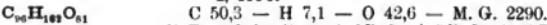
1) **Cocerylester d. Cicerinsäure.** Sm. 106° (*B. 18*, 1879). — I, 580.

**C<sub>92</sub>-Gruppe.**

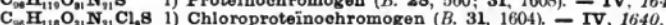
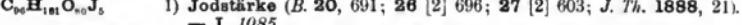
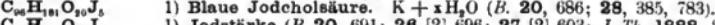
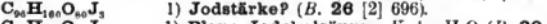
1) **Glycerintrimelissin.** Sm. 89° (*C. 1896* [1] 642).

**C<sub>93</sub>-Gruppe.**

1) **Verbindung** (aus Caramel). BaO, 2BaO, PbO (*A. ch. [3] 52*, 371). — I, 1106.



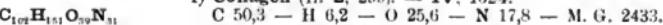
1) **Pseudoinulin.** + 6BaO, + 8BaO, + 19PbO (*B. 26* [2] 233).

**C<sub>98</sub>-Gruppe.**

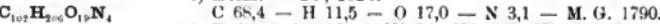
1) **Triphenyloktospartoanilid.** Sm. 120—125° (*A. 303*, 208).

**C<sub>100</sub>—C<sub>887</sub>-Gruppen.**

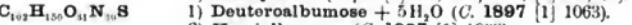
1) **Collagen** (*H. 2*, 299). — IV, 1624.



1) **Leim.** — IV, 1626.



1) **Enkephalin** (*J. pr. [2] 24*, 327, 337; [2] 25, 37). — III, 574.

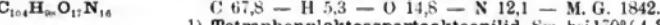


2) **Hemialbumose** + 5H<sub>2</sub>O (*C. 1897* [1] 1063).

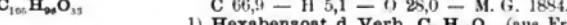
3) **Heterofibrinose** + 5H<sub>2</sub>O (*C. 1897* [1] 1063).

4) **Prototibrinose** + 5H<sub>2</sub>O (*C. 1897* [1] 1062).

1) **Echinochrom** (*B. 25* [2] 867).



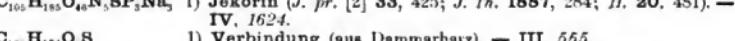
1) **Tetraphenyloktospartoooktoanilid.** Sm. bei 170° (*A. 303*, 209).



1) **Hexabenzozat d. Verb.** C<sub>63</sub>H<sub>72</sub>O<sub>27</sub> (aus *Fraxinusgerbsäure*) (*M. 3*, 760). — III, 682.



**C<sub>105</sub>H<sub>177</sub>O<sub>41</sub>N<sub>36</sub>S** 1) **Deuteroalbumose** (aus *Myosin*) (*C. 1897* [1] 1063). — IV, 1596.



1) **Verbbindung** (aus Dammarharz). — III, 555.



1) **Casein.** Salze siehe (*Z. 1866*, 415, 641). — IV, 1604.

- C<sub>108</sub>H<sub>140</sub>O<sub>43</sub>N<sub>78</sub>S  
C<sub>108</sub>H<sub>140</sub>O<sub>34</sub>N<sub>36</sub>S  
C<sub>108</sub>H<sub>170</sub>O<sub>53</sub>N<sub>50</sub>S  
C<sub>108</sub>H<sub>170</sub>O<sub>54</sub>N<sub>56</sub>S  
C<sub>108</sub>H<sub>170</sub>O<sub>43</sub>N<sub>36</sub>S
- C<sub>110</sub>H<sub>109</sub>O<sub>57</sub>N<sub>16</sub>  
C<sub>111</sub>H<sub>160</sub>O<sub>55</sub>N<sub>56</sub>S  
C<sub>111</sub>H<sub>170</sub>O<sub>58</sub>N<sub>56</sub>S
- C<sub>111</sub>H<sub>176</sub>O<sub>44</sub>N<sub>56</sub>S  
C<sub>114</sub>H<sub>210</sub>O<sub>11</sub>
- C<sub>114</sub>H<sub>174</sub>O<sub>56</sub>N<sub>52</sub>S  
C<sub>114</sub>H<sub>176</sub>O<sub>57</sub>N<sub>56</sub>S  
C<sub>114</sub>H<sub>176</sub>O<sub>56</sub>N<sub>56</sub>S  
C<sub>117</sub>H<sub>189</sub>O<sub>58</sub>N<sub>56</sub>S  
C<sub>119</sub>H<sub>187</sub>O<sub>57</sub>N<sub>56</sub>S  
C<sub>136</sub>H<sub>136</sub>O<sub>16</sub>N<sub>8</sub>
- C<sub>136</sub>H<sub>146</sub>O<sub>22</sub>N<sub>8</sub>  
C<sub>136</sub>H<sub>236</sub>O<sub>8</sub>Si  
C<sub>136</sub>H<sub>145</sub>O<sub>20</sub>N<sub>8</sub>Cl  
C<sub>136</sub>H<sub>154</sub>O<sub>24</sub>N<sub>6</sub>Cl<sub>2</sub>  
C<sub>138</sub>H<sub>140</sub>O<sub>27</sub>N<sub>14</sub>Fe<sub>4</sub>  
C<sub>144</sub>H<sub>246</sub>O<sub>120</sub>J<sub>2</sub>  
C<sub>144</sub>H<sub>234</sub>O<sub>42</sub>N<sub>56</sub>S
- C<sub>144</sub>H<sub>270</sub>O<sub>4</sub>N<sub>5</sub>S  
C<sub>150</sub>H<sub>292</sub>O<sub>66</sub>N<sub>45</sub>S<sub>2</sub>P  
C<sub>154</sub>H<sub>160</sub>O<sub>52</sub>
- C<sub>160</sub>H<sub>239</sub>O<sub>65</sub>N<sub>97</sub>S<sub>2</sub>  
C<sub>160</sub>H<sub>254</sub>O<sub>96</sub>N<sub>1</sub>S  
C<sub>160</sub>H<sub>239</sub>O<sub>50</sub>N<sub>1</sub>P  
C<sub>183</sub>H<sub>280</sub>O<sub>58</sub>N<sub>56</sub>S  
C<sub>204</sub>H<sub>197</sub>O<sub>66</sub>N<sub>55</sub>S<sub>2</sub>  
C<sub>204</sub>H<sub>230</sub>O<sub>70</sub>N<sub>6</sub>S  
C<sub>216</sub>H<sub>360</sub>O<sub>10</sub>
- C<sub>235</sub>H<sub>140</sub>O<sub>70</sub>N<sub>56</sub>S<sub>2</sub>  
C<sub>237</sub>H<sub>370</sub>O<sub>75</sub>N<sub>5</sub>J<sub>8</sub>S<sub>2</sub>  
C<sub>239</sub>H<sub>368</sub>O<sub>76</sub>N<sub>5</sub>S<sub>2</sub>
- C<sub>240</sub>H<sub>231</sub>O<sub>59</sub>N<sub>17</sub>S<sub>2</sub>  
C<sub>270</sub>H<sub>350</sub>O<sub>159</sub>N<sub>103</sub>S<sub>2</sub>Fe  
C<sub>272</sub>H<sub>261</sub>O<sub>153</sub>N<sub>13</sub>S<sub>2</sub>Fe  
C<sub>466</sub>H<sub>260</sub>O<sub>131</sub>N<sub>118</sub>J<sub>1</sub>S<sub>4</sub>  
C<sub>555</sub>H<sub>159</sub>O<sub>149</sub>N<sub>149</sub>S<sub>2</sub>Fe
- C<sub>560</sub>H<sub>141</sub>O<sub>161</sub>N<sub>141</sub>S<sub>2</sub>Fe  
C<sub>621</sub>H<sub>141</sub>O<sub>169</sub>N<sub>173</sub>S<sub>2</sub>  
C<sub>638</sub>H<sub>102</sub>O<sub>149</sub>N<sub>16</sub>S<sub>2</sub>Fe  
C<sub>646</sub>H<sub>104</sub>O<sub>171</sub>N<sub>17</sub>S<sub>2</sub>Fe  
C<sub>659</sub>H<sub>179</sub>O<sub>153</sub>N<sub>145</sub>S<sub>2</sub>Fe
- C<sub>712</sub>H<sub>1130</sub>O<sub>45</sub>N<sub>91</sub>S<sub>2</sub>Fe  
C<sub>721</sub>H<sub>911</sub>O<sub>183</sub>N<sub>91</sub>S<sub>2</sub>  
C<sub>747</sub>H<sub>935</sub>O<sub>910</sub>N<sub>1</sub>S<sub>2</sub>Mn  
C<sub>756</sub>H<sub>1203</sub>O<sub>218</sub>N<sub>18</sub>S<sub>2</sub>Fe  
C<sub>867</sub>H<sub>1363</sub>O<sub>258</sub>N<sub>223</sub>S<sub>4</sub>Ca
- 1) Säure (aus Pepton). Ba<sub>2</sub> (M. 19, 213). — IV, 1639.  
1) Fibrin (C. 1897 [1] 1062). — IV, 1601.  
1) Myosin (C. 1897 [1] 1063). — IV, 1596.  
1) Protalbumose (aus Myosin) (C. 1897 [1] 1063). — IV, 1596.  
1) Amphopepton (C. 1897 [1] 1063). — IV, 1640.  
2) Antipepton + 1½H<sub>2</sub>O (C. 1897 [1] 1063). — IV, 1640.  
C 68,8 — H 5,3 — O 14,2 — N 11,7 — M. G. 1918.  
1) Pentaphenylketoaspartoconilid. Sm. bei 160° (A. 303, 209).  
1) Fibrinogen (C. 1897 [1] 1062). — IV, 1600.  
1) Deuteroalbumose + H<sub>2</sub>O (C. 1897 [1] 1063).  
2) Protalbumose + 1½H<sub>2</sub>O (C. 1897 [1] 1063).  
1) Hemipepton (aus Serumalbumin) + 1½H<sub>2</sub>O (C. 1897 [1] 1063).  
C 77,7 — H 12,3 — O 10,0 — M. G. 1760.  
1) Mannitanhexastearat (A. ch. [3] 47, 326). — I, 447.  
1) Myoglobin + 1½H<sub>2</sub>O (C. 1897 [1] 1063). — IV, 1596.  
1) Fibrinoglobulin (C. 1897 [1] 1062).  
1) Heteroalbumose + 1½H<sub>2</sub>O (C. 1897 [1] 1063).  
1) Paraglobulin + 1½H<sub>2</sub>O (C. 1897 [1] 1062). — IV, 1596.  
1) Antialbumid (C. 1897 [1] 1063).  
C 76,4 — H 6,4 — O 11,9 — N 5,2 — M. G. 2136.  
1) Base (aus Morphin) (Soc. 26, 215). — III, 901.  
C 72,7 — H 6,6 — O 15,7 — N 5,0 — M. G. 2244.  
1) Diapotetramorphin (Soc. 25, 653). — III, 901.  
1) Kieseläsureester (aus Bettfedern). Sm. bei 52° (C. 1897 [2] 666).  
1) Base (aus Morphin) (Soc. 26, 215). — III, 901.  
1) Base (aus Morphin) (Soc. 26, 215). — III, 901.  
1) Verbindung (aus Oxyhämoglobin) (B. 29, 821). — IV, 1619.  
1) Jodstärke (J. Th. 1888, 21). — I, 1085.  
1) Sytonin (Parapepton) (A. 73, 125; 111, 201; 144, 68; J. Th. 1877, 10; J. 1864, 617; 1869, 903; H. 5, 158; B. 14, 2698; J. pr. [2] 44, 345; M. 4, 105). — IV, 1634.  
1) Albumin (aus Algen). — IV, 1589.  
1) Opalisin (H. 26, 308). — IV, 1606.  
C 65,4 — H 5,6 — O 29,0 — M. G. 2864.  
1) Tribenzoat d. Saporubrin. Sm. 208—210° (C. 1897 [1] 302).  
1) Desamidoalbuminsäure (C. 1897 [1] 1063).  
1) Mucin (aus Rindskälen). K<sub>2</sub> (H. 10, 66). — IV, 1610.  
1) Protagon. Sm. bei 200° (B. 12, 1229; H. 9, 169). — I, 343.  
1) Artolin. 2HCl (C. 1898 [2] 1102). — IV, 1603.  
1) Albumin. Cu, C<sub>62</sub> (H. 5, 206). — IV, 1589.  
1) Glutolin (C. 1898 [2] 1105). — IV, 1626.  
C 45,1 — H 6,1 — O 48,8 — M. G. 5896.  
1) Erythrodrextrin + H<sub>2</sub>O (B. 26, 2537, 2544).  
1) Serumalbumin (oder C<sub>44</sub>H<sub>71</sub>O<sub>12</sub>N<sub>11</sub>S<sub>2</sub>) (H. 26, 479).  
1) Jodalbumin (H. 24, 171). — IV, 1593.  
1) Albumin (H. 14, 165; 15, 457; 16, 190; 24, 170; C. 1898 [2] 436). — IV, 1590.  
1) Melanoidinsäure (C. 1897 [1] 1063). — IV, 1594.  
1) Aelosomin (C. 1898 [2] 928).  
1) Hermerythin (B. 25 [2] 915).  
1) Jodserumalbumin (H. 26, 479).  
1) Oxyhämoglobin + 28H<sub>2</sub>O (aus Pferdeblut) (H. 8, 361). — IV, 1613.  
1) Chloroerueruin (B. 25 [2] 590).  
1) Globulin (aus Blut) (B. 25 [2] 867).  
1) Hämoglobin (aus Hundeblut). — IV, 1612.  
1) Oxyhämoglobin (C. 1895 [2] 633).  
1) δ-Achroglobulin (B. 26 [2] 502).  
1) δ-Achroglobulin (B. 26 [2] 915).  
1) Oxyhämoglobin (aus Pferdeblut) (H. 10, 33). — IV, 1613.  
1) γ-Achroglobulin (B. 26 [2] 915).  
1) Pinnaglobin (Bl. [3] 7, 397). — IV, 1597.  
1) Hämoglobin (aus Hundeblut) (H. 14, 292). — IV, 1612.  
1) Hämocyanin (B. 25 [2] 345, 951).

# Procenttabellen.

Einer Anregung des Herrn Geheimrath Prof. BEILSTEIN zufolge ist die in der ersten Auflage befindliche, damals nur die Kohlenwasserstoffe umfassende Prozenttabelle auf die Formen **CHO**, **CHN** und **CHON** ausgedehnt worden.

Sollte es sich als wünschenswerth oder nothwendig herausstellen, auch für weitere Formen, z. B. **CHCl**, **CHBr**, **CHONS** u. s. f., solche Ausrechnungen zu besitzen, so möge diese, die Kräfte des Einzelnen übersteigende, rein mechanische Arbeit jüngeren Fachgenossen vorbehalten bleiben, — waren doch schon allein 90,000 Einzelrechnungen zur Ausführung obiger Arbeit erforderlich. Zunächst wird das gesammelte Zahlenaerial vollauf genügen, und zwar nicht nur für obige Formen selbst, sondern auch für solche, welche andre Elemente enthalten.

Einige Beispiele werden diese That-sache veranschaulichen.

Die Relation  $O_2 : S = 32 : 32$  zeigt, dass die Tafeln der **CHO**- und **CHON**-Formen ohne Weiteres auch für die **CHS**- und **CHNS**-Verbindungen benutzbar sind, indem an Stelle von zwei Atomen Sauerstoff ein Atom Schwefel gesetzt wird. So besitzen beispielsweise gleiches Molekulargewicht und Zusammensetzung die Verbindungen:

$C_{10}H_{16}O_2$	=	$C_{10}H_{16}S$
$C_{10}H_{16}O_4$	=	$C_{10}H_{16}S_2$
$C_{10}H_{16}O_6$	=	$C_{10}H_{16}S_3$
$C_{10}H_{16}O_8$	=	$C_{10}H_{16}S_4$
$C_{10}H_{16}O_2N_2$	=	$C_{10}H_{16}N_2S$
$C_{10}H_{16}O_4N_2$	=	$C_{10}H_{16}N_2S_2$
$C_{10}H_{16}O_6N_2$	=	$C_{10}H_{16}N_2S_3$

On Prof. BEILSTEIN's suggestion the table of percentages which in the first edition only comprised the hydrocarbons has been extended to the forms **CHO**, **CHN** and **CHON**.

Were it desirable or necessary to possess such calculations for other forms, e. g. **CHCl**, **CHBr**, **CHONS** etc., this purely mechanical task, which is beyond the power of a single man, must be reserved for younger men, since 90,000 independent calculations had to be made to accomplish the above task. For the present the collected numerical material will fully suffice not only for the above forms, but also for those containing other elements.

Some examples will illustrate this fact.

The relation  $O_2 : S = 32 : 32$  indicates that the tables of the **CHO**- and **CHON**-forms can also be used for the compounds of the forms **CHS** and **CHNS** by substituting one atom of sulphur for two atoms of oxygen. Thus for example the following compounds possess equal molecular weights;

Suivant le désir de M<sup>r</sup> le Prof<sup>r</sup> BEILSTEIN, les tables de la composition centésimale qui, dans la 1<sup>re</sup> édition de cet ouvrage, ne comprenaient que les hydrocarbures, ont été étendues aux formes **CHO**, **CHN** et **CHON**.

Si le besoin se faisait sentir de l'adopter à de nouveaux types tels que **CHCl**, **CHBr**, **CHONS**, l'activité d'un homme serait alors insuffisante, car l'exécution du travail supplémentaire auquel j'ai dû me livrer, a exigé à lui seul plus de 90,000 calculs. Ce travail purement mécanique, doit être réservé à des collègues plus jeunes. Le matériel numérique peut en tous cas suffire actuellement non seulement pour les formes mentionnées, mais aussi pour celles qui renferment d'autres éléments.

Quelques exemples éclairciront la question:

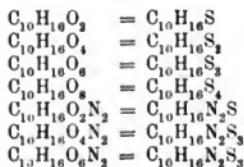
La relation **O<sub>2</sub>** : **S** = 32 : 32 montre que les tables correspondant aux types **CHO** et **CHON**, peuvent également servir pour **CHS** et **CHNS** en remplaçant deux atomes d'oxygène par un atome de soufre. Ainsi les combinaisons suivantes ont le même poids moléculaire et les mêmes compositions:

Per consiglio dell' illustre Prof. BEILSTEIN, venne estesa la tabella delle composizioni centesimali, che nella prima edizione comprendeva solo gli idrocarburi, anche alle forme **CHO**, **CHN** e **CHON**.

Ove dovesse sembrare desiderabile o necessario il possedere tali calcoli, anche per altre forme, quali **CHCl**, **CHBr**, **CHONS**, il lavoro occorrente, puramente meccanico, ma tale da superare la potenzialità di un solo individuo, viene lasciato a colleghi più giovani. Già per la compilazione, delle tabelle percentuali contenute in quest'opera si richiesero circa 90,000 singole operazioni. Del resto i valori numerici qui raccolti saranno sufficienti non solo per le forme stesse per cui furono calcolati; ma anche per altre contenenti elementi diversi.

Alcuni esempi faranno comprendere questo fatto.

La relazione **O<sub>2</sub>** : **S** = 32 : 32 mostra che le tavole delle forme **CHO** e **CHON** si possono senz'altro adoperare anche per le forme **CHS** e **CHNS**, sostituendo al posto di due atomi d'ossigeno uno di solfo. Così p. es. posseggono un ugual peso molecolare, ed un'identica composizione centesimale i composti:



Aus dieser Darlegung wird nun mehr auch ersichtlich, warum in den Prozenttabellen auch die auf den ersten Blick überflüssig erscheinenden Sauerstoffprocente wiedergegeben sind — es war dies im Interesse der Schwefelverbindungen nothwendig.

Aber auch die prozentuale Zusammensetzung der Formeln **CHONS** ist man im Stande, aus den Formeln **CHON** mittelst einer kleinen Rechnung, nämlich durch Theilung der Sauerstoffprocente nach Verhältniss, leicht zu erfahren, z. B. Verhältniss **O:S = 1:1**

$C_{10}H_{12}O_4N_2$	$C_{10}H_{12}O_2N_2S$
$C_{10}$ 53,6 %	$C_{10}$ 53,6 %
$H_{12}$ 5,3 %	$H_{12}$ 5,3 %
$O_4$ 28,6 %	$O_2$ 14,3 %
$N_2$ 12,5 %	$N_2$ 12,5 %
	$S$ 14,3 %
$\overline{100,0\%}$	$\overline{100,0\%}$

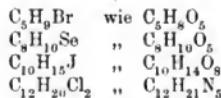
oder Verhältniss **O:S = 3:2**

$C_6H_6O_5N_2$	$C_6H_6O_3N_2S$
$C_6$ 38,7 %	$C_6$ 38,7 %
$H_6$ 3,2 %	$H_6$ 3,2 %
$O_5$ 43,0 %	$O_3$ 25,8 %
$N_2$ 15,1 %	$N_2$ 15,1 %
	$S$ 17,2 %
$\overline{100,0\%}$	$\overline{100,0\%}$

In gleichem Sinne können für **Cl, Br, J** u. s. f. enthaltende Formeln die Tafeln der **CHO-** und **CHN-**Formen benutzt werden, wenn es sich um annähernde Werthe handelt. Es verhalten sich nämlich:

$$\begin{array}{lcl} O_5 : Br & = & 80 : 80 \\ O_5 : Se & = & 80 : 79 \\ O_5 : J & = & 128 : 127 \\ N_5 : Cl_2 & = & 70 : 71 \end{array}$$

und entsprechen sich in ihrer prozentualen Zusammensetzung die Verbindungen:



allerdings nicht genau, zumeist aber nur mit einer bei Analysenzahlen selbstver-

These remarks indicate why in the tables the percentages of oxygen are given which on first sight would seem to be superfluous; this was necessary for the sake of the sulphur compounds.

But also the percentage compositions of the formulae **CHONS** many readily be derived from the formulae **CHON** by means of a simple calculation, namely by proportionally dividing the percentages of oxygen, viz. the ratio **O:S = 1:1**

$C_{10}H_{12}O_2N_2S$
$C_{10}$ 53,6 %
$H_{12}$ 5,3 %
$O_2$ 14,3 %
$N_2$ 12,5 %
$S$ 14,3 %
$\overline{100,0\%}$

Similarly for the compounds containing **Cl, Br, J** etc. the tables of the **CHO-** and **CHN-**forms can be used if approximate values suffice. For the following relations exist:

and the following compounds agree in their percentage composition:

The agreement is not close, but in most cases lies within the limits of ex-

C'est donc dans l'intérêt des corps soufrés que les quantités centésimales d'oxygène ont été maintenues dans les tables.

On pourra aussi, par une simple division de la quantité d'oxygène, calculer la forme **CHONS** au moyen de **CHON**. Par exemple avec le rapport **O:S = 1:1**

$C_{10}H_{12}O_4N_2$	$C_{10}H_{12}O_2N_2S$
$C_{10}$ 53,6 %	$C_{10}$ 53,6 %
$H_{12}$ 5,3 %	$H_{12}$ 5,3 %
$O_4$ 28,6 %	$O_2$ 14,3 %
$N_2$ 12,5 %	$N_2$ 12,5 %
$100,0\%$	$100,0\%$

ou avec le rapport **O:S = 3:2**

$C_6H_6O_5N_2$	$C_6H_6O_3N_2S$
$C_6$ 38,7 %	$C_6$ 38,7 %
$H_6$ 3,2 %	$H_6$ 3,2 %
$O_5$ 43,0 %	$O_3$ 25,8 %
$N_2$ 15,1 %	$N_2$ 15,1 %
$100,0\%$	$100,0\%$

D'une manière analogue, les formules des tables **CHO** et **CHN**, pourront être appliquées pour le **Cl**, **Br**, **S** etc. autant qu'il ne s'agira que de valeurs approximatives. En effet, les rapports

$$\begin{aligned} O_5 : Br &= 80 : 80 \\ O_5 : Se &= 80 : 79 \\ O_8 : J &= 128 : 127 \\ N_5 : Cl &= 70 : 71 \end{aligned}$$

atomiques et les compositions centésimales des combinaisons suivantes correspondent presque rigoureusement:

$C_5H_9Br$	wie $C_5H_8O_3$
$C_5H_{10}Se$	" $C_6H_{10}O_5$
$C_{10}H_{16}J$	" $C_{10}H_{14}O_8$
$C_{12}H_{20}Cl_2$	" $C_{12}H_{21}N_5$

Les erreurs d'analyse ne dépasseront pas  $\frac{1}{10} - \frac{3}{10}$  pour cent. Les compositions

Con ciò riesce pure evidente la ragione per cui nelle tabelle trovansi anche le percentuali dell' ossigeno, che a prima vista potrebbero sembrare inutili; ciò fu fatto per facilitare i calcoli relativi ai composti solforati.

Dai valori delle forme **CHON** si possono inoltre calcolare molto semplicemente quelli relativi alla forma **CHONS**; basta per ciò ripartire la percentuale dell'ossigeno secondo il rapporto tra ossigeno e solfo; per esempio:

$$\text{Rapporto } O:S = 1:1$$

$C_{10}H_{12}O_2N_2S$
$C_{10}$ 53,6 %
$H_{12}$ 5,3 %
$O_2$ 14,3 %
$N_2$ 12,5 %
$S$ 14,3 %
$100,0\%$

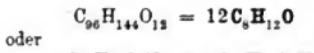
In modo uguale, quando non si esigano che valori approssimativi, si possono impiegare le tavole delle forme **CHO** e **CHN** per calcolo delle percentuali relative alle forme contenenti **Cl**, **Br**, **S** etc. Esistono infatti i seguenti rapporti:

ed i composti seguenti si corrispondono nelle loro percentuali.

La corrispondenza non è veramente esatta; essa però non presenta per lo più che

ständlichen Abweichung von  $\frac{1}{10}$  bis höchstens  $\frac{2}{10}$  Prozent. Dass auch die prozentuale Zusammensetzung hochmolekularer Formeln, sofern sie Multipla vorhandener Formeln sind, z. B.:

perimental errors which amount to 1—3 tenths of a per cent. It need not be mentioned that also the percentage compositions of polymeric compounds may be read off at sight, e. g.:



ohne Weiteres abgelesen werden kann, bedarf wohl nicht besonderer Erklärung. Den Rechnungen sind zu Grunde gelegt die abgerundeten Atomgewichte:

$$\begin{array}{ll} \text{C} = 12 & \text{O} = 16 \\ \text{H} = 1 & \text{N} = 14 \end{array}$$



or



The calculations are based on the round numbers of the atomic weights:

centésimales de corps à poids moléculaire élevé, peuvent facilement se déduire de celles des formules simples, lorsqu'il s'agit de multiples exacts de ces dernières. Exemple:

$$\text{C}_{96}\text{H}_{144}\text{O}_{12} = 12 \text{C}_8\text{H}_{12}\text{O}$$

ou

$$\text{C}_{68}\text{H}_{84}\text{O}_8\text{N}_4 = 4 \text{C}_{17}\text{H}_{21}\text{O}_2\text{N}$$

Tous les calculs effectués ont eu pour base les poids atomiques arrondis:

$$\begin{array}{ll} \text{C} = 12 & \text{O} = 16 \\ \text{H} = 1 & \text{N} = 14 \end{array}$$

deviazioni da  $\frac{1}{10}$  a  $\frac{3}{10}$  per cento; contenute quindi nei limiti d'errori delle analisi. Non occorre poi una speciale spiegazione per intendere che la composizione centesimale di forme molecolari molto complesse può senz'altro esser detta, purchè le forme ricercate siano multiple di qualche forma già calcolata; p. es:

$$\text{C}_{96}\text{H}_{144}\text{O}_{12} = 12 \text{C}_8\text{H}_{12}\text{O}$$

oppure:

$$\text{C}_{68}\text{H}_{84}\text{O}_8\text{N}_4 = 4 \text{C}_{17}\text{H}_{21}\text{O}_2\text{N}$$

Nei calcoli si sono presi per base i pesi atomici seguenti, ridotti in cifra tonda:

C—H	C %	H %	M.G.	C—H	C %	H %	M.G.	C—H	C %	H %	M.G.
(1—1) <sub>n</sub>	92,3	7,7	(13) <sub>n</sub>	<b>8—18</b>	85,7	14,3	112	<b>12—18</b>	88,9	11,1	162
(1—2) <sub>n</sub>	85,7	14,3	(14) <sub>n</sub>	<b>18</b>	84,2	15,8	114	<b>20</b>	87,8	12,2	164
<b>1—4</b>	75,0	23,0	16	<b>9—2</b>	98,2	1,8	110	<b>22</b>	86,8	13,2	166
<b>2—2</b>	92,3	7,7	26	<b>4</b>	96,4	3,6	112	<b>24</b>	85,7	14,3	168
<b>4</b>	85,7	14,3	28	<b>6</b>	94,7	5,3	114	<b>26</b>	84,7	15,3	170
<b>6</b>	80,0	20,0	30	<b>8</b>	93,1	6,9	116	<b>13—2</b>	98,7	1,3	158
<b>3—2</b>	94,7	5,3	38	<b>10</b>	91,5	8,5	118	<b>4</b>	97,5	2,5	160
<b>4</b>	90,0	10,0	40	<b>12</b>	90,0	10,0	120	<b>6</b>	96,3	3,7	162
<b>6</b>	85,7	14,3	42	<b>14</b>	88,5	11,5	122	<b>8</b>	95,1	4,9	164
<b>8</b>	81,8	18,2	44	<b>16</b>	87,1	12,9	124	<b>10</b>	94,0	6,0	166
<b>4—2</b>	96,0	4,0	50	<b>18</b>	85,7	14,3	126	<b>12</b>	92,8	7,2	168
<b>4</b>	92,3	7,7	52	<b>20</b>	84,4	15,6	128	<b>14</b>	91,8	8,2	170
<b>6</b>	88,9	11,1	54	<b>10—2</b>	98,4	1,6	122	<b>16</b>	90,7	9,3	172
<b>8</b>	85,7	14,3	56	<b>4</b>	96,8	3,2	124	<b>18</b>	89,6	10,4	174
<b>10</b>	82,8	17,2	58	<b>6</b>	95,2	4,8	126	<b>20</b>	88,6	11,4	176
<b>5—2</b>	96,8	3,2	62	<b>8</b>	93,8	6,2	128	<b>22</b>	87,7	12,3	178
<b>4</b>	93,8	6,2	64	<b>10</b>	92,3	7,7	130	<b>24</b>	86,7	13,3	180
<b>6</b>	90,9	9,1	66	<b>12</b>	90,9	9,1	132	<b>26</b>	85,7	14,3	182
<b>8</b>	88,2	11,8	68	<b>14</b>	89,6	10,4	134	<b>28</b>	84,8	15,2	184
<b>10</b>	85,7	14,3	70	<b>16</b>	88,2	11,8	136	<b>14—2</b>	98,8	1,2	170
<b>12</b>	83,3	16,7	72	<b>18</b>	87,0	13,0	138	<b>4</b>	97,7	2,3	172
<b>6—2</b>	97,3	2,7	74	<b>20</b>	85,7	14,3	140	<b>6</b>	96,5	3,5	174
<b>4</b>	94,7	5,3	76	<b>22</b>	84,5	15,5	142	<b>8</b>	95,5	4,5	176
<b>6</b>	92,3	7,7	78	<b>11—2</b>	98,5	1,5	134	<b>10</b>	94,5	4,5	178
<b>8</b>	90,0	10,0	80	<b>4</b>	97,1	2,9	136	<b>12</b>	93,3	6,7	180
<b>10</b>	87,8	12,2	82	<b>6</b>	95,6	4,4	138	<b>14</b>	92,3	7,7	182
<b>12</b>	85,7	14,3	84	<b>8</b>	94,3	5,7	140	<b>16</b>	91,3	8,7	184
<b>14</b>	83,7	16,3	86	<b>10</b>	92,9	7,1	142	<b>18</b>	90,3	9,7	186
<b>7—2</b>	97,7	2,3	86	<b>12</b>	91,7	8,3	144	<b>20</b>	89,4	10,6	188
<b>4</b>	95,5	4,5	88	<b>14</b>	90,4	9,6	146	<b>22</b>	88,5	11,5	190
<b>6</b>	93,3	6,7	90	<b>16</b>	89,2	10,8	148	<b>24</b>	87,5	12,5	192
<b>8</b>	91,3	8,7	92	<b>18</b>	88,0	12,0	150	<b>26</b>	86,6	13,4	194
<b>10</b>	89,4	10,6	94	<b>20</b>	86,8	13,2	152	<b>28</b>	85,7	14,3	196
<b>12</b>	87,5	12,5	96	<b>22</b>	85,7	14,3	154	<b>30</b>	84,8	15,2	198
<b>14</b>	85,7	14,3	98	<b>24</b>	84,6	15,4	156	<b>15—2</b>	98,9	1,1	182
<b>16</b>	84,0	16,0	100	<b>12—2</b>	98,6	1,4	146	<b>4</b>	97,8	2,2	184
<b>8—2</b>	98,0	2,0	98	<b>4</b>	97,3	2,7	148	<b>6</b>	96,8	3,2	186
<b>4</b>	96,0	4,0	100	<b>6</b>	96,0	4,0	150	<b>8</b>	95,8	4,2	188
<b>6</b>	94,1	5,9	102	<b>8</b>	94,7	5,3	152	<b>10</b>	94,7	5,3	190
<b>8</b>	92,3	7,7	104	<b>10</b>	93,5	6,5	154	<b>12</b>	93,8	6,2	192
<b>10</b>	90,6	9,4	106	<b>12</b>	92,3	7,7	156	<b>14</b>	92,8	7,2	194
<b>12</b>	88,9	11,1	108	<b>14</b>	91,1	8,9	158	<b>16</b>	91,8	8,2	196
<b>14</b>	87,3	12,7	110	<b>16</b>	90,0	10,0	160	<b>18</b>	90,9	9,1	198

C—H	C %	H %	M.G.	C—H	C %	H %	M.G.	C—H	C %	H %	M.G.
15—20	90,0	10,0	200	18—36	85,7	14,3	252	21—34	88,1	11,9	286
22	89,1	10,9	202	38	85,0	15,0	254	36	87,5	12,5	288
24	88,2	11,8	204	19—2	99,1	0,9	230	38	86,9	13,1	290
26	87,4	12,6	206	4	98,3	1,7	232	40	86,3	13,7	292
28	86,5	13,5	208	8	97,4	2,6	234	42	85,7	14,3	294
30	85,7	14,3	210	8	96,6	3,4	236	44	85,1	14,9	296
32	84,9	15,1	212	10	95,8	4,2	238	22—2	99,8	0,8	266
16—2	99,0	1,0	194	12	95,0	5,0	240	4	98,5	1,5	268
4	98,0	2,0	196	14	94,2	5,8	242	6	97,8	2,2	270
6	97,0	3,0	198	16	93,4	6,6	244	8	97,1	2,9	272
8	96,0	4,0	200	18	92,7	7,3	246	10	96,4	3,6	274
10	95,0	5,0	202	20	91,9	8,1	248	12	95,6	4,4	276
12	94,1	5,9	204	22	91,2	8,8	250	14	95,0	5,0	278
14	93,2	6,8	206	24	90,5	9,5	252	16	94,3	5,7	280
18	92,3	7,7	208	26	89,8	10,2	254	18	93,6	6,4	282
18	91,4	8,6	210	28	89,1	10,9	256	20	92,9	7,1	284
20	90,6	9,4	212	30	88,4	11,6	258	22	92,3	7,7	286
22	89,7	10,3	214	32	87,7	12,3	260	24	91,7	8,3	288
24	88,9	11,1	216	34	87,0	13,0	262	26	91,0	10,0	290
26	88,1	11,9	218	36	86,4	13,6	264	28	90,4	9,6	292
29	87,3	12,7	220	38	85,7	14,3	266	30	89,8	10,2	294
30	86,5	13,5	222	40	85,1	14,9	268	32	89,2	10,8	296
32	85,7	14,3	224	20—2	99,2	0,8	242	34	88,6	11,4	298
34	85,0	15,0	226	4	98,4	1,6	244	36	88,0	12,0	300
17—2	99,0	1,0	206	6	97,6	2,4	246	38	87,4	12,6	302
4	98,1	1,9	208	8	96,8	3,2	248	40	86,8	13,2	304
6	97,1	2,9	210	10	96,0	4,0	250	42	86,3	13,7	306
8	96,2	3,8	212	12	95,2	4,8	252	44	85,7	14,3	308
10	95,3	4,7	214	14	94,5	5,5	254	46	85,2	14,8	310
12	94,4	5,6	216	16	93,8	6,2	256	23—2	99,3	0,7	278
14	93,6	6,4	218	18	93,0	7,0	258	4	98,6	1,4	280
16	92,7	7,3	220	20	92,3	7,7	260	6	97,9	2,1	282
18	91,9	8,1	222	22	91,6	8,4	262	8	97,2	2,8	284
20	91,1	8,9	224	24	90,9	9,1	264	10	96,5	3,5	286
22	90,3	9,7	226	26	90,2	9,8	266	12	95,8	4,2	288
24	89,5	10,5	228	28	89,6	10,4	268	14	95,2	4,8	290
26	88,7	11,3	230	30	88,9	11,1	270	16	94,5	5,5	292
29	87,9	12,1	232	32	88,2	11,8	272	18	93,9	6,1	294
30	87,2	12,8	234	34	87,6	12,4	274	20	93,2	6,8	296
32	86,4	13,6	236	36	87,0	13,0	276	22	92,6	7,4	298
34	85,7	14,3	238	38	86,3	13,7	278	24	92,0	8,0	300
36	85,0	15,0	240	40	85,7	14,3	280	26	91,4	8,6	302
19—2	99,1	0,9	218	42	85,1	14,9	282	28	90,8	9,2	304
4	98,2	1,8	210	44	90,2	0,8	251	30	90,2	9,8	306
6	97,3	2,7	222	4	98,4	1,6	256	32	89,6	10,4	308
8	96,4	3,6	224	6	97,7	2,3	258	34	89,0	11,0	310
10	95,6	4,4	226	8	96,9	3,1	260	36	88,5	11,5	312
12	94,7	5,3	228	10	96,2	3,8	262	38	87,9	12,1	314
14	93,9	6,1	230	12	95,5	4,5	264	40	87,3	12,7	316
16	93,1	6,9	232	14	94,7	5,3	266	42	86,8	13,2	318
18	92,3	7,7	234	16	94,0	6,0	268	44	86,3	13,7	320
20	91,5	8,5	236	18	93,3	6,7	270	46	85,7	14,3	322
22	90,8	9,2	238	20	92,7	7,3	272	48	85,2	14,8	324
24	90,0	10,0	240	22	92,0	8,0	274	24—2	90,7	0,7	290
26	89,2	10,8	242	24	91,3	8,7	276	4	98,6	1,4	292
28	88,5	11,5	244	26	90,6	9,4	278	6	98,0	2,0	294
30	87,8	12,2	246	28	90,0	10,0	280	8	97,3	2,7	296
32	87,1	12,9	248	30	89,4	10,6	282	10	96,6	3,4	298
34	86,4	13,6	250	32	88,7	11,3	284	12	96,0	4,0	300

O	H	O%	H%	M.O.	C-H	C%	H%	M.G.	C-H	C%	H%	M.G.
24	14	35.4	4.6	302	26-30	91.9	8.8	342	28-38	89.8	10.2	37.4
10	94.7	2.3	3.0	304	32	90.7	9.3	344	40	89.4	10.6	37.6
18	94.1	2.0	3.0	305	34	90.2	9.8	346	42	88.9	11.1	37.7
30	94.5	1.5	3.0	308	36	89.6	10.4	348	44	87.5	11.5	37.8
34	94.0	1.0	3.0	310	38	89.1	10.9	350	46	87.0	12.0	37.9
34	94.3	1.0	3.0	312	40	88.6	11.4	352	48	87.5	12.5	37.9
34	94.1	1.0	3.0	314	42	88.1	11.9	354	50	87.0	13.0	37.9
34	94.1	1.0	3.0	316	44	87.6	12.3	356	52	86.5	13.4	37.9
34	94.2	1.0	3.0	318	46	87.1	12.8	358	54	86.1	13.9	37.9
34	94.3	1.0	3.0	320	48	86.6	13.3	360	56	85.6	14.3	37.9
34	94.3	1.0	3.0	322	50	86.1	13.8	362	58	85.1	14.7	37.9
34	94.3	1.0	3.0	324	52	85.6	14.3	364	60	84.6	15.1	37.9
34	94.3	1.0	3.0	326	54	85.1	14.8	366	62	84.1	15.5	37.9
34	94.3	1.0	3.0	328	56	84.6	15.3	368	64	83.6	15.9	37.9
34	94.3	1.0	3.0	330	58	84.1	15.8	370	66	83.1	16.3	37.9
34	94.3	1.0	3.0	332	60	83.6	16.3	372	68	82.6	16.7	37.9
34	94.3	1.0	3.0	334	62	83.1	16.8	374	70	82.1	17.1	37.9
34	94.3	1.0	3.0	336	64	82.6	17.3	376	72	81.6	17.5	37.9
34	94.3	1.0	3.0	338	66	82.1	17.8	378	74	81.1	17.9	37.9
34	94.3	1.0	3.0	340	68	81.6	18.3	380	76	80.6	18.3	37.9
34	94.3	1.0	3.0	342	70	81.1	18.8	382	78	80.1	18.7	37.9
34	94.3	1.0	3.0	344	72	80.6	19.3	384	80	79.6	19.4	37.9
34	94.3	1.0	3.0	346	74	80.1	19.8	386	82	79.1	20.1	37.9
34	94.3	1.0	3.0	348	76	79.6	20.3	388	84	78.6	20.4	37.9
34	94.3	1.0	3.0	350	78	79.1	20.8	390	86	78.1	20.7	37.9
34	94.3	1.0	3.0	352	80	78.6	21.3	392	88	77.6	21.0	37.9
34	94.3	1.0	3.0	354	82	78.1	21.8	394	90	77.1	20.9	37.9
34	94.3	1.0	3.0	356	84	77.6	22.3	396	92	76.6	21.3	37.9
34	94.3	1.0	3.0	358	86	77.1	22.8	398	94	76.1	21.6	37.9
34	94.3	1.0	3.0	360	88	76.6	23.3	400	96	75.6	21.9	37.9
34	94.3	1.0	3.0	362	90	76.1	23.8	402	98	75.1	22.2	37.9
34	94.3	1.0	3.0	364	92	75.6	24.3	404	100	74.6	22.5	37.9
34	94.3	1.0	3.0	366	94	75.1	24.8	406	102	74.1	22.8	37.9
34	94.3	1.0	3.0	368	96	74.6	25.3	408	104	73.6	23.1	37.9
34	94.3	1.0	3.0	370	98	74.1	25.8	410	106	73.1	23.4	37.9
34	94.3	1.0	3.0	372	100	73.6	26.3	412	108	72.6	23.7	37.9
34	94.3	1.0	3.0	374	102	73.1	26.8	414	110	72.1	24.0	37.9
34	94.3	1.0	3.0	376	104	72.6	27.3	416	112	71.6	24.3	37.9
34	94.3	1.0	3.0	378	106	72.1	27.8	418	114	71.1	24.6	37.9
34	94.3	1.0	3.0	380	108	71.6	28.3	420	116	70.6	24.9	37.9
34	94.3	1.0	3.0	382	110	71.1	28.8	422	118	70.1	25.2	37.9
34	94.3	1.0	3.0	384	112	70.6	29.3	424	120	69.6	25.5	37.9
34	94.3	1.0	3.0	386	114	70.1	29.8	426	122	69.1	25.8	37.9
34	94.3	1.0	3.0	388	116	69.6	30.3	428	124	68.6	26.1	37.9
34	94.3	1.0	3.0	390	118	69.1	30.8	430	126	68.1	26.4	37.9
34	94.3	1.0	3.0	392	120	68.6	31.3	432	128	67.6	26.7	37.9
34	94.3	1.0	3.0	394	122	68.1	31.8	434	130	67.1	27.0	37.9
34	94.3	1.0	3.0	396	124	67.6	32.3	436	132	66.6	27.3	37.9
34	94.3	1.0	3.0	398	126	67.1	32.8	438	134	66.1	27.6	37.9
34	94.3	1.0	3.0	400	128	66.6	33.3	440	136	65.6	27.9	37.9
34	94.3	1.0	3.0	402	130	66.1	33.8	442	138	65.1	28.2	37.9
34	94.3	1.0	3.0	404	132	65.6	34.3	444	140	64.6	28.5	37.9
34	94.3	1.0	3.0	406	134	65.1	34.8	446	142	64.1	28.8	37.9
34	94.3	1.0	3.0	408	136	64.6	35.3	448	144	63.6	29.1	37.9
34	94.3	1.0	3.0	410	138	64.1	35.8	450	146	63.1	29.4	37.9
34	94.3	1.0	3.0	412	140	63.6	36.3	452	148	62.6	29.7	37.9
34	94.3	1.0	3.0	414	142	63.1	36.8	454	150	62.1	30.0	37.9
34	94.3	1.0	3.0	416	144	62.6	37.3	456	152	61.6	30.3	37.9
34	94.3	1.0	3.0	418	146	62.1	37.8	458	154	61.1	30.6	37.9
34	94.3	1.0	3.0	420	148	61.6	38.3	460	156	60.6	30.9	37.9
34	94.3	1.0	3.0	422	150	61.1	38.8	462	158	60.1	31.2	37.9
34	94.3	1.0	3.0	424	152	60.6	39.3	464	160	59.6	31.5	37.9
34	94.3	1.0	3.0	426	154	60.1	39.8	466	162	59.1	31.8	37.9
34	94.3	1.0	3.0	428	156	59.6	40.3	468	164	58.6	32.1	37.9
34	94.3	1.0	3.0	430	158	59.1	40.8	470	166	58.1	32.4	37.9
34	94.3	1.0	3.0	432	160	58.6	41.3	472	168	57.6	32.7	37.9
34	94.3	1.0	3.0	434	162	58.1	41.8	474	170	57.1	33.0	37.9
34	94.3	1.0	3.0	436	164	57.6	42.3	476	172	56.6	33.3	37.9
34	94.3	1.0	3.0	438	166	57.1	42.8	478	174	56.1	33.6	37.9
34	94.3	1.0	3.0	440	168	56.6	43.3	480	176	55.6	33.9	37.9
34	94.3	1.0	3.0	442	170	56.1	43.8	482	178	55.1	34.2	37.9
34	94.3	1.0	3.0	444	172	55.6	44.3	484	180	54.6	34.5	37.9
34	94.3	1.0	3.0	446	174	55.1	44.8	486	182	54.1	34.8	37.9
34	94.3	1.0	3.0	448	176	54.6	45.3	488	184	53.6	35.1	37.9
34	94.3	1.0	3.0	450	178	54.1	45.8	490	186	53.1	35.4	37.9
34	94.3	1.0	3.0	452	180	53.6	46.3	492	188	52.6	35.7	37.9
34	94.3	1.0	3.0	454	182	53.1	46.8	494	190	52.1	36.0	37.9
34	94.3	1.0	3.0	456	184	52.6	47.3	496	192	51.6	36.3	37.9
34	94.3	1.0	3.0	458	186	52.1	47.8	498	194	51.1	36.6	37.9
34	94.3	1.0	3.0	460	188	51.6	48.3	500	196	50.6	36.9	37.9
34	94.3	1.0	3.0	462	190	51.1	48.8	502	198	50.1	37.2	37.9
34	94.3	1.0	3.0	464	192	50.6	49.3	504	200	49.6	37.5	37.9
34	94.3	1.0	3.0	466	194	50.1	49.8	506	202	49.1	37.8	37.9
34	94.3	1.0	3.0	468	196	49.6	50.3	508	204	48.6	38.1	37.9
34	94.3	1.0	3.0	470	198	49.1	50.8	510	206	48.1	38.4	37.9
34	94.3	1.0	3.0	472	200	48.6	51.3	512	208	47.6	38.7	37.9
34	94.3	1.0	3.0	474	202	48.1	51.8	514	210	47.1	39.0	37.9
34	94.3	1.0	3.0	476	204	47.6	52.3	516	212	46.6	39.3	37.9
34	94.3	1.0	3.0	478	206	47.1	52.8	518	214	46.1	39.6	37.9
34	94.3	1.0	3.0	480	208	46.6	53.3	520	216	45.6	39.9	37.9
34	94.3	1.0	3.0	482	210	46.1	53.8	522	218	45.1	40.2	37.9
34	94.3	1.0	3.0	484	212	45.6	54.3	524	220	44.6	40.5	37.9
34	94.3	1.0	3.0	486	214	45.1	54.8	526	222	44.1	40.8	37.9
34	94.3	1.0	3.0	488	216	44.6	55.3	528	224	43.6	41.1	37.9
34	94.3	1.0	3.0	490	218	44.1	55.8	530	226	43.1	41.4	37.9
34	94.3	1.0	3.0	492	220	43.6	56.3	532	228	42.6	41.7	37.9
34	94.3	1.0	3.0	494	222	43.1	56.8	534	230	42.1	42.0	37.9
34	94.3	1.0	3.0	496	224	42.6	57.3	536	232	41.6	42.3	37.9
34	94.3	1.0	3.0	498	226	42.1	57.8	538	234	41.1	42.6	37.9
34	94.3	1.0	3.0	500	228	41.6	58.3	540	236	40.6	42.9	37.9
34	94.3	1.0	3.0	502	230	41.1	58.8	542	238	40.1	43.2	37.9
34	94.3	1.0	3.0	504	232	40.6	59.3	544	240	39.6	43.5	37.9
34	94.3	1.0	3.0	506	234	40.1	59.8	546	242	39.1	43.8	37.9
34	94.3	1.0	3.0	508	236	39.6	60.3	548	244	38.6	44.1	37.9
34	94.3	1.0	3.0	510	238	39.1	60.8	550	246	38.1	44.4	37.9
34	94.3	1.0	3.0	512	240	38.6	61.3	552	248	37.6	44.7	37.9
34	94.3	1.0										

C-H	C %	H %	M.G.	C-H	C %	H %	M.G.	C-H	C %	H %	M.G.
<b>30-38</b>	90.4	9.6	398	<b>34-64</b>	86.4	13.6	472	<b>43-86</b>	85.7	14.3	602
<b>40</b>	90.0	10.0	400	<b>66</b>	86.1	13.9	474	<b>88</b>	85.4	14.6	604
<b>42</b>	89.6	10.4	402	<b>68</b>	85.7	14.3	476	<b>44-50</b>	91.3	8.7	578
<b>44</b>	89.1	10.9	404	<b>70</b>	85.4	14.6	478	<b>52</b>	91.0	10.0	580
<b>46</b>	88.7	11.3	406	<b>35-40</b>	91.3	8.7	460	<b>54</b>	90.7	9.3	582
<b>48</b>	88.2	11.8	408	<b>50</b>	89.4	10.6	470	<b>56</b>	90.4	9.6	584
<b>50</b>	87.8	12.2	410	<b>60</b>	87.5	12.5	490	<b>58</b>	90.1	9.9	586
<b>52</b>	87.4	12.6	412	<b>62</b>	87.1	12.9	482	<b>60</b>	89.8	10.2	588
<b>54</b>	87.0	13.0	414	<b>64</b>	86.8	13.2	484	<b>70</b>	88.3	11.7	598
<b>56</b>	86.5	13.5	416	<b>66</b>	86.4	13.6	486	<b>80</b>	86.8	13.2	608
<b>58</b>	86.1	13.9	418	<b>68</b>	86.1	13.9	488	<b>88</b>	85.7	14.3	616
<b>60</b>	85.7	14.3	420	<b>70</b>	85.7	14.3	490	<b>90</b>	85.4	14.6	618
<b>62</b>	85.3	14.7	422	<b>72</b>	85.4	14.6	492	<b>45-72</b>	88.3	11.7	612
<b>31-50</b>	88.2	11.8	422	<b>36-38</b>	92.3	7.7	468	<b>80</b>	87.1	12.9	620
<b>52</b>	87.8	12.2	424	<b>40</b>	91.5	8.5	472	<b>90</b>	85.7	14.3	630
<b>54</b>	87.3	12.7	426	<b>50</b>	89.6	10.4	482	<b>92</b>	85.4	14.6	632
<b>56</b>	86.9	13.1	428	<b>60</b>	87.8	12.2	492	<b>46-90</b>	86.0	14.0	642
<b>58</b>	86.5	13.5	430	<b>70</b>	86.1	13.9	502	<b>92</b>	85.7	14.3	644
<b>60</b>	86.1	13.1	432	<b>72</b>	85.7	14.3	504	<b>94</b>	85.5	14.5	646
<b>62</b>	85.7	14.3	434	<b>74</b>	85.4	14.6	506	<b>47-92</b>	86.0	14.0	656
<b>64</b>	85.3	14.7	436	<b>37-50</b>	89.9	10.1	494	<b>94</b>	85.7	14.3	658
<b>32-24</b>	94.1	5.9	408	<b>60</b>	88.1	11.9	504	<b>96</b>	85.5	14.5	660
<b>26</b>	93.7	6.3	410	<b>70</b>	86.4	13.6	514	<b>48-94</b>	86.0	14.0	670
<b>28</b>	93.2	6.8	412	<b>72</b>	86.0	14.0	516	<b>96</b>	85.7	14.3	672
<b>30</b>	92.8	7.2	414	<b>74</b>	85.7	14.3	518	<b>98</b>	85.4	15.6	674
<b>32</b>	92.3	7.7	416	<b>76</b>	85.4	14.6	520	<b>50-46</b>	92.9	7.1	646
<b>40</b>	90.6	9.4	424	<b>38-40</b>	91.9	8.1	496	<b>50</b>	92.3	7.7	650
<b>50</b>	88.5	11.5	434	<b>50</b>	90.1	9.9	506	<b>60</b>	90.9	9.1	660
<b>52</b>	88.1	11.9	436	<b>60</b>	88.4	11.6	516	<b>70</b>	89.6	10.4	670
<b>54</b>	87.7	12.3	438	<b>70</b>	86.7	13.3	526	<b>80</b>	88.2	11.8	680
<b>56</b>	87.3	12.7	440	<b>72</b>	86.4	13.6	528	<b>90</b>	87.0	13.0	690
<b>58</b>	86.9	13.1	442	<b>74</b>	86.0	14.0	530	<b>100</b>	85.7	14.3	700
<b>60</b>	86.5	13.5	444	<b>76</b>	85.7	14.3	532	<b>102</b>	85.5	14.5	702
<b>62</b>	86.1	13.9	446	<b>78</b>	85.4	14.6	534	<b>51-102</b>	85.7	14.3	714
<b>64</b>	85.7	14.3	448	<b>39-60</b>	88.6	11.4	528	<b>104</b>	85.5	14.5	716
<b>66</b>	85.3	14.7	450	<b>70</b>	87.0	13.0	538	<b>52-106</b>	85.5	14.5	730
<b>33-30</b>	88.8	11.2	446	<b>78</b>	85.7	14.3	546	<b>53-106</b>	85.7	14.3	742
<b>52</b>	88.4	11.6	448	<b>80</b>	85.4	14.6	548	<b>108</b>	85.5	14.5	744
<b>54</b>	88.0	12.0	450	<b>40-26</b>	94.9	5.1	506	<b>54-84</b>	88.5	11.5	732
<b>56</b>	87.6	12.4	452	<b>40</b>	92.3	7.7	520	<b>108</b>	85.7	14.3	756
<b>58</b>	87.2	12.8	454	<b>50</b>	90.6	9.4	530	<b>110</b>	85.5	14.5	758
<b>60</b>	86.8	13.2	456	<b>60</b>	88.9	11.1	540	<b>55-110</b>	85.7	14.3	770
<b>62</b>	86.5	13.5	458	<b>64</b>	88.2	11.8	544	<b>112</b>	85.5	14.5	772
<b>64</b>	86.1	13.9	460	<b>70</b>	87.3	12.7	550	<b>56-112</b>	85.7	14.3	784
<b>66</b>	85.7	14.3	462	<b>80</b>	85.7	14.3	560	<b>114</b>	85.5	14.5	786
<b>68</b>	85.4	14.6	464	<b>82</b>	85.4	14.6	562	<b>57-114</b>	85.7	14.3	798
<b>34-36</b>	91.9	8.1	444	<b>41-80</b>	86.0	14.0	572	<b>116</b>	85.5	14.5	800
<b>38</b>	91.5	8.5	446	<b>82</b>	85.7	14.3	574	<b>58-116</b>	85.7	14.3	812
<b>40</b>	91.1	8.9	448	<b>84</b>	85.4	14.6	576	<b>118</b>	85.5	14.5	814
<b>50</b>	89.1	10.9	458	<b>42-80</b>	86.3	13.7	584	<b>59-118</b>	85.7	14.3	826
<b>56</b>	87.9	12.1	464	<b>82</b>	86.0	14.0	586	<b>120</b>	85.5	14.5	828
<b>58</b>	88.3	11.7	466	<b>84</b>	85.7	14.3	588	<b>60-100</b>	87.8	12.2	820
<b>60</b>	87.2	12.8	468	<b>86</b>	85.4	14.6	590	<b>120</b>	85.7	14.3	840
<b>62</b>	86.8	13.2	470	<b>43-80</b>	86.6	13.4	592	<b>122</b>	85.5	14.5	842

C—H—O	C%	H%	O%	M.G.	C—H—O	C%	H%	O%	M.G.
1—2—1	40,0	6,7	53,3	30	6	32,9	1,4	65,7	146
2	26,1	4,3	69,6	46	4—4—1	70,6	5,9	23,5	68
3	19,4	3,2	77,4	62	2	57,1	4,8	38,1	84
1—4—1	37,5	12,5	50,0	32	3	48,0	4,0	48,0	100
2	25,0	8,3	66,7	48	4	41,4	3,4	55,2	116
2—2—1	57,1	4,8	38,1	42	5	36,4	3,0	60,6	132
2	41,4	3,4	55,2	58	6	32,4	2,7	64,9	148
3	32,4	2,7	64,9	74	7	29,3	2,4	68,3	164
4	26,7	2,2	71,1	90	4—6—1	68,6	8,6	22,8	70
5	22,6	1,9	75,5	106	2	55,8	7,0	37,2	86
6	19,7	1,6	78,7	122	3	47,1	5,9	47,0	102
2—4—1	54,5	9,1	36,4	44	4	40,7	5,1	54,2	118
2	40,0	6,7	53,3	60	5	35,8	4,5	59,7	134
3	31,6	5,2	63,2	76	6	32,0	4,0	64,0	150
4	26,1	4,3	69,6	92	8	26,4	3,3	70,3	182
5	22,2	3,7	74,1	108	4—8—1	66,7	11,1	22,2	72
2—6—1	52,2	13,0	34,8	46	2	54,5	9,1	36,4	88
2	38,7	9,7	51,6	62	3	46,2	7,7	46,1	104
3—2—1	66,7	3,7	29,6	54	4	40,0	6,7	53,3	120
2	51,4	2,9	45,7	70	5	35,3	5,9	58,8	136
3	41,9	2,3	55,8	86	4—10—1	64,9	13,5	21,6	74
4	35,3	1,9	62,8	102	2	53,3	11,1	35,6	90
5	30,5	1,7	67,8	118	3	45,3	9,4	45,3	106
3—4—1	64,3	7,1	28,6	56	4	39,3	8,2	52,5	122
2	50,0	5,6	44,4	72	5—2—1	76,9	2,6	20,5	78
3	40,9	4,5	54,6	88	2	63,8	2,1	34,1	94
4	34,6	3,8	61,6	104	3	54,6	1,8	43,6	110
5	30,0	3,3	66,7	120	4	47,6	1,6	50,8	126
6	26,5	2,9	70,6	136	5	42,3	1,4	56,3	142
3—6—1	62,1	10,3	27,6	58	6	38,0	1,2	60,8	158
2	48,7	8,1	43,2	74	7	34,5	1,1	64,4	174
3	40,0	6,7	53,3	90	5—4—1	75,0	5,0	20,0	80
4	34,0	5,6	60,4	106	2	62,5	4,2	33,3	96
5	29,5	4,9	65,6	122	3	53,6	3,6	42,8	112
3—8—1	60,0	13,3	26,7	60	4	46,9	3,1	50,0	128
2	47,4	10,5	42,1	76	5	41,7	2,8	55,5	144
3	39,1	8,7	52,2	92	6	37,5	2,5	60,0	160
4	33,3	7,4	59,3	108	7	34,0	2,4	63,6	176
4—2—1	72,7	3,0	24,3	66	8	31,2	2,1	66,7	192
2	58,6	2,4	39,0	82	5—6—1	73,2	7,3	19,5	82
3	49,0	2,0	49,0	98	2	61,2	6,1	32,7	98
4—3—4	42,1	1,7	56,2	114	3	52,6	5,3	42,1	114
5	36,9	1,5	61,6	130	4	46,2	4,6	49,2	130

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
5—6—5	41,1	4,1	54,8	146	6—8—8	34,6	3,8	61,6	208
6	37,0	3,7	59,3	162	9	32,1	3,6	64,3	224
7	33,7	3,4	62,9	178	6—10—1	73,5	10,2	16,3	98
8	30,9	3,1	66,0	194	2	63,2	8,8	28,0	114
5—8—1	71,4	9,5	19,1	84	3	55,4	7,7	36,9	130
2	60,0	8,0	32,0	100	4	49,3	6,9	43,8	146
3	51,7	6,9	41,4	116	5	44,4	6,2	49,4	162
4	45,4	6,1	48,5	132	6	40,5	5,6	53,9	178
5	40,5	5,4	54,1	148	7	37,1	5,2	57,7	194
6	36,6	4,9	58,5	164	8	34,3	4,7	61,0	210
7	33,3	4,5	62,2	180	9	31,9	4,4	63,7	226
8	30,6	4,1	65,3	196	6—12—1	72,0	12,0	16,0	100
9	28,3	3,8	67,9	212	2	62,1	10,3	27,6	116
5—10—1	69,8	11,6	18,6	86	3	54,5	9,1	36,4	132
2	58,8	9,8	31,4	102	4	48,7	8,1	43,2	148
3	50,8	8,5	40,7	118	5	43,9	7,3	48,8	164
4	44,8	7,4	47,8	134	6	40,0	6,7	53,3	180
5	40,0	6,7	53,3	150	7	36,7	6,1	57,1	196
6	36,2	6,0	57,8	166	8	34,0	5,6	60,4	212
5—12—1	68,2	13,6	18,2	88	9	31,6	5,3	63,1	228
2	57,7	11,5	30,8	104	6—14—1	70,6	13,7	15,7	102
3	50,0	10,0	40,0	120	2	61,0	11,8	27,2	118
4	44,1	8,8	47,1	136	3	53,8	10,4	35,8	134
5	39,5	7,9	52,6	152	4	48,0	9,3	42,7	150
6—2—1	80,0	2,2	17,8	90	5	43,4	8,4	48,2	166
2	67,9	1,9	30,2	106	6	39,6	7,7	52,7	182
3	59,0	1,6	39,4	122	7	36,4	7,1	56,5	198
4	52,2	1,4	46,4	138	6—16—14	23,1	5,1	71,8	312
5	46,8	1,3	51,9	154	7—2—1	82,4	1,9	15,7	102
6	42,3	1,2	56,5	170	2	71,2	1,7	27,1	118
7	38,7	1,1	60,2	186	3	62,7	1,5	35,8	134
8	35,6	1,0	63,4	202	4	56,0	1,3	42,7	150
6—4—1	78,3	4,3	17,4	92	5	50,6	1,2	48,2	166
2	66,7	3,7	29,6	108	6	46,2	1,1	52,7	182
3	58,1	3,2	38,7	124	7	42,4	1,0	56,6	198
4	51,4	2,9	45,7	140	8	39,3	0,9	59,8	214
5	46,1	2,6	51,3	156	9	36,5	0,9	62,6	230
6	41,9	2,3	55,8	172	7—4—1	80,8	3,8	15,4	104
7	38,3	2,1	59,6	188	2	70,0	3,3	26,7	120
8	35,3	1,9	62,8	204	3	61,8	2,9	35,3	136
9	32,7	1,8	65,5	220	4	55,3	2,6	42,1	152
6—6—1	76,6	6,4	17,0	94	5	50,0	2,4	47,6	168
2	65,5	5,4	29,1	110	6	45,6	2,2	52,2	184
3	57,1	4,8	38,1	126	7	42,0	2,0	56,0	200
4	50,7	4,2	45,1	142	8	38,9	1,8	59,3	216
5	45,6	3,8	50,6	158	9	36,2	1,7	62,1	232
6	41,4	3,4	55,2	174	10	33,9	1,6	64,5	248
7	37,9	3,1	59,0	190	7—6—1	79,3	5,6	15,1	106
8	35,0	2,9	62,1	206	2	68,8	4,9	26,2	122
9	32,4	2,7	64,9	222	3	60,9	4,3	34,8	138
10	30,3	2,5	67,2	238	4	54,5	3,9	41,6	154
12	26,7	2,2	71,1	270	5	49,4	3,5	47,0	170
6—8—1	75,0	8,3	16,7	96	6	45,2	3,2	51,6	186
2	64,3	7,1	28,6	112	7	41,6	3,0	55,4	202
3	56,3	6,2	37,5	128	8	38,5	2,7	58,7	218
4	50,0	5,6	44,4	144	9	35,9	2,6	61,5	234
5	45,0	5,0	50,0	160	10	33,6	2,4	64,0	250
6	40,9	4,5	54,6	176	11	31,6	2,2	66,2	266
7	37,5	4,2	58,3	192	7—8—1	77,8	7,4	14,8	108

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>7—8—2</b>	67,8	6,4	25,8	124	<b>8—4—6</b>	49,0	2,0	49,0	196
3	60,0	5,7	34,3	140	7	45,3	1,9	52,8	212
4	53,8	5,1	41,0	156	8	42,1	1,7	56,2	228
5	48,8	4,6	46,5	172	9	39,4	1,6	59,0	244
6	44,7	4,2	51,1	188	10	36,9	1,5	61,6	260
7	41,2	3,9	54,9	204	<b>8—6—1</b>	34,8	1,5	63,7	276
8	38,2	3,6	58,2	220	2	31,6	4,5	23,9	134
9	35,6	3,4	61,0	236	3	64,0	4,0	32,0	150
10	33,3	3,2	63,5	252	4	57,8	3,6	38,6	166
11	31,3	3,0	65,7	268	5	52,7	3,3	44,0	182
<b>7—10—1</b>	76,4	9,1	14,5	110	6	48,5	3,0	48,5	198
2	66,7	7,9	25,4	126	7	44,8	2,8	42,4	214
3	59,1	7,0	33,8	142	8	41,7	2,6	55,7	230
4	53,2	6,3	40,5	158	9	39,0	2,4	58,5	246
5	48,3	5,7	46,0	174	10	36,6	2,3	61,1	262
6	44,2	5,3	50,5	190	11	34,5	2,2	63,3	278
7	40,8	4,8	54,4	206	12	32,6	2,0	65,3	294
8	37,8	4,5	57,7	222	<b>8—8—1</b>	80,0	6,7	13,3	120
9	35,3	4,2	60,5	238	2	70,6	5,9	23,5	136
10	33,1	3,9	63,0	254	3	63,2	5,2	31,6	152
<b>7—12—1</b>	75,0	10,7	14,3	112	4	57,1	4,8	38,1	168
2	65,6	9,4	25,0	128	5	52,2	4,3	43,5	184
3	58,3	8,3	33,4	144	6	48,0	4,0	48,0	200
4	52,5	7,5	40,0	160	7	41,5	3,7	51,8	216
5	47,8	6,8	45,4	176	8	41,4	3,4	55,2	232
6	43,8	6,2	50,0	192	9	38,7	3,2	58,1	248
7	40,4	5,8	53,8	208	10	36,4	3,0	60,6	264
8	37,5	5,4	57,1	224	11	34,3	2,8	62,9	280
9	35,0	5,0	60,0	240	12	32,4	2,7	64,9	296
<b>7—14—1</b>	73,7	12,3	14,0	114	13	30,8	2,5	66,7	312
2	64,6	10,8	24,6	130	<b>8—10—1</b>	78,7	8,2	13,1	122
3	57,5	9,6	32,9	146	2	69,5	7,2	23,2	138
4	51,9	8,6	39,5	162	3	62,3	6,5	31,2	154
5	47,2	7,8	45,0	178	4	56,4	5,9	37,6	170
6	43,3	7,2	49,5	194	5	51,6	5,4	43,0	186
7	40,0	6,7	53,3	210	6	47,5	4,9	47,5	202
8	37,2	6,2	56,4	226	7	44,0	4,6	51,4	218
<b>7—16—1</b>	72,4	13,8	13,8	116	8	41,0	4,3	54,7	234
2	63,6	12,1	24,2	132	9	38,4	4,0	57,6	250
3	56,7	10,8	32,4	148	10	36,1	3,7	60,2	266
4	51,2	9,7	39,0	164	11	34,0	3,5	62,4	282
5	46,7	8,9	44,4	180	12	32,2	3,3	64,4	298
6	42,8	8,1	48,0	196	<b>8—12—1</b>	77,4	9,7	12,9	124
7	39,6	7,5	52,8	212	2	68,6	8,6	22,8	140
<b>8—2—1</b>	84,2	1,7	14,0	114	3	61,5	7,7	30,8	156
2	73,9	1,5	24,6	130	4	55,8	7,0	37,2	172
3	65,7	1,4	32,9	146	5	51,1	6,4	42,5	188
4	59,3	1,2	39,5	162	6	47,1	5,9	47,0	204
5	53,9	1,2	44,9	178	7	43,6	5,4	51,0	220
6	49,5	1,0	49,5	194	8	40,7	5,1	54,2	236
7	45,7	0,9	53,3	210	9	38,1	4,7	57,1	252
8	42,5	0,9	56,6	226	10	35,8	4,5	59,7	268
9	39,7	0,8	59,5	242	11	33,8	4,2	62,0	284
10	37,2	0,8	62,0	258	<b>8—14—1</b>	76,2	11,1	12,7	126
<b>8—4—1</b>	82,7	3,4	13,8	116	2	67,6	9,8	22,5	142
2	72,7	3,0	24,3	132	3	60,8	8,8	30,4	158
3	64,8	2,7	32,4	148	4	55,1	8,0	36,8	174
4	58,6	2,4	39,0	164	5	50,5	7,4	42,1	190

C—H—O	C %	H %	O %	M. G.	C—H—O	C %	H %	O %	M. G.
<b>8—14—6</b>	46,6	6,8	46,6	206	<b>9—6—13</b>	33,5	1,8	64,6	322
7	43,6	6,4	50,9	222	<b>9—6—1</b>	81,8	6,0	12,1	132
8	40,3	5,9	53,8	238	2	72,9	5,4	21,6	148
9	37,8	5,5	56,7	254	3	65,8	4,9	29,2	164
10	35,5	5,2	59,3	270	4	60,0	4,4	35,6	180
<b>8—16—1</b>	75,0	12,5	12,5	128	5	55,1	4,1	40,8	196
2	66,7	11,1	22,2	144	6	50,9	3,8	45,3	212
3	60,0	10,0	30,0	160	7	47,4	3,5	49,1	223
4	54,5	9,1	36,4	176	8	44,2	3,3	52,5	244
5	50,0	8,3	41,7	192	9	41,5	3,1	55,4	260
6	46,2	7,7	46,1	208	10	39,1	2,9	58,0	276
7	42,9	7,1	50,0	224	11	37,0	2,7	60,3	292
8	40,0	6,7	53,3	240	12	35,0	2,6	62,3	308
9	37,5	6,2	56,2	256	13	33,3	2,4	64,2	324
<b>8—18—1</b>	73,8	13,8	12,3	130	14	31,7	2,3	65,9	340
2	65,7	12,3	21,9	146	<b>9—10—1</b>	80,6	7,4	11,9	134
3	59,3	11,1	29,6	162	2	72,0	6,7	21,3	150
4	53,9	10,1	36,0	178	3	65,1	6,0	28,9	166
5	49,5	9,3	41,2	194	4	59,3	5,5	35,2	182
6	45,7	8,6	45,7	210	5	54,5	5,0	40,4	198
7	42,5	7,9	49,6	226	6	50,5	4,7	44,8	214
8	39,7	7,4	52,9	242	7	46,9	4,3	48,7	230
9	37,2	7,0	55,8	258	8	43,9	4,0	52,0	246
<b>8—20—3</b>	58,5	12,2	29,3	164	9	41,2	3,8	55,0	262
<b>9—2—1</b>	85,7	1,6	12,7	126	10	38,8	3,6	57,5	278
2	76,0	1,4	22,5	142	11	36,7	3,4	59,8	294
3	68,3	1,2	30,4	158	12	34,8	3,2	61,9	310
4	62,0	1,1	36,8	174	13	33,1	3,0	63,8	326
5	56,8	1,0	42,1	190	14	31,6	2,9	65,5	342
6	52,4	1,0	46,6	206	<b>9—12—1</b>	79,4	8,8	11,8	136
7	48,6	0,9	50,4	222	2	71,1	7,9	21,0	152
8	45,4	0,8	53,8	238	3	64,3	7,1	28,6	168
9	42,5	0,8	56,7	254	4	58,7	6,5	34,8	184
10	40,0	0,7	59,3	270	5	54,0	6,0	40,0	200
11	37,8	0,7	61,5	286	6	50,0	5,6	44,4	216
<b>9—4—1</b>	84,4	3,1	12,5	128	7	46,5	5,2	48,3	232
2	75,0	2,8	22,2	144	8	43,5	4,8	51,6	248
3	67,5	2,5	30,0	160	9	40,9	4,5	54,6	264
4	61,3	2,3	36,4	176	10	38,6	4,3	57,1	280
5	56,3	2,0	41,7	192	11	36,5	4,0	59,5	296
6	51,9	1,9	46,1	208	12	34,6	3,8	61,6	312
7	48,2	1,8	50,0	224	13	32,9	3,6	63,4	328
8	45,0	1,7	53,3	240	<b>9—14—1</b>	78,2	10,1	11,6	138
9	42,2	1,5	56,2	256	2	70,1	9,1	20,8	154
10	39,7	1,5	58,8	272	3	63,5	8,2	28,2	170
11	37,5	1,4	61,1	288	4	58,0	7,5	35,4	186
12	35,5	1,3	63,2	304	5	53,5	6,9	39,6	202
<b>9—6—1</b>	83,1	4,6	12,3	130	6	49,5	6,4	44,0	218
2	74,0	4,1	21,9	146	7	46,1	6,0	47,9	234
3	66,7	3,7	29,6	162	8	43,2	5,6	51,2	250
4	60,7	3,3	36,0	178	9	40,6	5,2	54,1	266
5	55,7	3,1	41,2	194	10	38,3	4,9	56,7	282
6	51,4	2,9	45,7	210	11	36,2	4,7	59,1	298
7	47,8	2,6	49,6	226	12	34,4	4,4	61,1	314
8	44,6	2,5	52,9	242	<b>9—16—1</b>	77,1	11,4	11,4	140
9	41,9	2,3	55,8	258	2	69,2	10,2	20,5	156
10	39,4	2,2	58,4	274	3	62,8	9,3	27,9	172
11	37,2	2,0	60,7	290	4	57,4	8,5	34,0	188
12	35,3	1,9	62,8	306	5	52,9	7,8	39,2	204

C-H-O	C %	H %	O %	M.G.	C-H-O	C %	H %	O %	M.G.
<b>9-16-6</b>	49,1	7,3	43,6	220	<b>10-6-10</b>	41,9	2,1	55,9	286
<b>7</b>	45,7	6,8	47,4	236	<b>11</b>	30,7	2,0	58,3	302
<b>8</b>	42,8	6,3	50,8	252	<b>12</b>	37,7	1,9	60,4	318
<b>9</b>	40,3	5,9	53,7	268	<b>13</b>	35,9	1,8	62,3	334
<b>10</b>	38,0	5,6	56,3	284	<b>14</b>	34,3	1,7	64,0	350
<b>11</b>	36,0	5,3	58,7	300	<b>10-8-1</b>	83,3	5,5	11,1	144
<b>9-18-1</b>	76,0	12,7	11,3	142	<b>2</b>	75,0	5,0	20,0	160
<b>2</b>	68,3	11,4	20,3	158	<b>3</b>	68,1	4,5	27,3	176
<b>3</b>	62,1	10,3	27,6	174	<b>4</b>	62,5	4,2	33,3	192
<b>4</b>	56,8	9,5	33,7	190	<b>5</b>	57,7	3,8	38,5	208
<b>5</b>	52,4	8,7	38,8	206	<b>6</b>	53,6	3,6	42,8	224
<b>6</b>	48,7	8,1	43,2	222	<b>7</b>	50,0	3,3	46,7	240
<b>7</b>	45,4	7,5	47,1	238	<b>8</b>	46,9	3,1	50,0	256
<b>8</b>	42,5	7,1	50,4	254	<b>9</b>	44,1	2,9	52,9	272
<b>9</b>	40,0	6,7	53,3	270	<b>10</b>	41,7	2,8	55,5	288
<b>10</b>	37,7	6,3	55,9	286	<b>11</b>	39,5	2,6	57,9	304
<b>9-20-1</b>	75,0	13,9	11,1	144	<b>12</b>	37,5	2,5	60,0	320
<b>2</b>	67,5	12,5	20,0	160	<b>13</b>	35,7	2,4	61,9	336
<b>3</b>	61,3	11,3	27,3	176	<b>14</b>	34,0	2,4	63,6	352
<b>4</b>	56,3	10,4	33,3	192	<b>15</b>	32,6	2,2	65,2	368
<b>5</b>	51,9	9,6	38,4	208	<b>10-10-1</b>	82,2	6,8	10,9	146
<b>6</b>	48,2	8,9	42,8	224	<b>2</b>	74,1	6,2	19,7	162
<b>7</b>	45,0	8,3	46,7	240	<b>3</b>	67,4	5,6	27,0	178
<b>8</b>	42,2	7,8	50,0	256	<b>4</b>	61,8	5,1	33,0	194
<b>9</b>	39,7	7,3	52,9	272	<b>5</b>	57,1	4,8	38,1	210
<b>10-2-1</b>	86,9	1,4	11,6	138	<b>6</b>	53,1	4,4	42,5	226
<b>2</b>	77,9	1,3	20,8	154	<b>7</b>	49,6	4,1	46,3	242
<b>3</b>	70,5	1,2	28,2	170	<b>8</b>	46,5	3,9	49,6	258
<b>4</b>	64,5	1,1	34,4	186	<b>9</b>	43,8	3,6	52,5	274
<b>5</b>	59,4	1,0	39,6	202	<b>10</b>	41,4	3,4	55,2	290
<b>6</b>	55,0	0,9	44,0	218	<b>11</b>	39,2	3,2	57,5	306
<b>7</b>	51,3	0,8	47,9	234	<b>12</b>	37,3	3,1	59,6	322
<b>8</b>	48,0	0,8	51,2	250	<b>13</b>	35,5	2,9	61,5	338
<b>9</b>	45,1	0,7	54,1	266	<b>14</b>	33,9	2,8	63,3	354
<b>10</b>	42,5	0,7	56,7	282	<b>15</b>	32,4	2,7	64,9	370
<b>11</b>	40,2	0,7	59,1	298	<b>16</b>	31,1	2,6	66,3	386
<b>12</b>	38,2	0,6	61,1	314	<b>10-12-1</b>	81,0	8,1	10,8	148
<b>10-4-1</b>	85,7	2,8	11,4	140	<b>2</b>	73,2	7,3	19,5	164
<b>2</b>	76,9	2,6	20,5	156	<b>3</b>	66,7	6,7	26,6	180
<b>3</b>	69,8	2,3	27,9	172	<b>4</b>	61,2	6,1	32,7	196
<b>4</b>	63,8	2,1	34,1	188	<b>5</b>	56,6	5,6	37,7	212
<b>5</b>	58,8	1,9	39,2	204	<b>6</b>	52,6	5,3	42,1	228
<b>6</b>	54,6	1,8	43,6	220	<b>7</b>	49,2	4,9	45,9	244
<b>7</b>	50,8	1,7	47,4	236	<b>8</b>	46,2	4,6	49,2	260
<b>8</b>	47,6	1,6	50,8	252	<b>9</b>	43,5	4,3	52,2	276
<b>9</b>	44,7	1,5	53,7	268	<b>10</b>	41,1	4,1	54,8	292
<b>10</b>	42,3	1,4	56,3	284	<b>11</b>	38,9	3,9	57,1	308
<b>11</b>	40,0	1,3	58,6	300	<b>12</b>	37,0	3,7	59,3	324
<b>12</b>	38,0	1,2	60,8	316	<b>13</b>	35,3	3,5	61,2	340
<b>13</b>	36,1	1,2	62,7	332	<b>14</b>	33,7	3,1	66,0	356
<b>10-8-1</b>	84,5	4,2	11,3	142	<b>15</b>	32,3	3,2	64,5	372
<b>2</b>	75,9	3,8	20,2	158	<b>10-14-1</b>	80,0	9,3	10,7	150
<b>3</b>	68,9	3,4	27,6	174	<b>2</b>	72,3	8,4	19,3	166
<b>4</b>	63,2	3,1	33,7	190	<b>3</b>	65,9	7,7	26,4	182
<b>5</b>	58,2	2,9	38,8	206	<b>4</b>	60,6	7,1	32,3	198
<b>6</b>	54,0	2,7	43,2	222	<b>5</b>	56,1	6,5	37,4	214
<b>7</b>	50,4	2,5	47,0	238	<b>6</b>	52,2	6,1	41,7	230
<b>8</b>	47,2	2,3	50,4	254	<b>7</b>	48,8	5,7	55,5	246
<b>9</b>	44,4	2,2	53,3	270	<b>8</b>	45,8	5,3	48,9	262

C—H—O	C%	H%	O%	M.G.	C—H—O	C%	H%	O%	M.G.
<b>10—14—9</b>	43,2	5,0	51,8	278	<b>11—2—5</b>	61,7	0,9	37,4	214
10	40,8	4,7	54,4	294	6	57,4	0,8	41,7	230
11	38,7	4,5	56,8	310	7	53,7	0,8	45,5	246
12	36,8	4,3	58,9	326	8	50,4	0,7	48,8	262
13	35,1	4,1	60,8	342	9	47,5	0,7	51,8	278
14	33,5	3,9	62,6	358	10	44,9	0,7	54,4	294
<b>10—16—1</b>	79,0	10,4	10,5	152	11	42,6	0,7	56,8	310
2	71,4	9,5	19,1	168	12	40,5	0,6	58,9	326
3	65,2	8,7	26,1	184	13	38,6	0,6	60,8	342
4	60,0	8,0	32,0	200	11—4—1	86,8	2,6	10,5	152
5	55,5	7,4	37,0	216	2	78,5	2,4	19,0	168
6	51,7	6,9	41,4	232	3	71,7	2,2	26,1	184
7	48,4	6,4	44,1	248	4	66,0	2,0	32,0	200
8	45,4	6,1	48,5	264	5	61,1	1,8	37,0	216
9	42,8	5,7	51,4	280	6	56,9	1,7	41,4	232
10	40,5	5,4	54,1	296	7	53,2	1,6	45,1	248
11	38,4	5,1	56,4	312	8	50,0	1,5	48,5	264
12	36,6	4,9	58,5	328	9	47,1	1,4	51,4	280
13	34,9	4,6	60,5	344	10	44,6	1,3	54,1	296
<b>10—18—1</b>	77,9	11,7	10,4	154	11	42,3	1,3	56,4	312
2	70,6	10,6	18,8	170	12	40,2	1,2	58,5	328
3	64,5	9,7	25,8	186	13	38,4	1,1	60,5	344
4	59,4	8,9	31,7	202	14	36,7	1,1	62,2	360
5	55,0	8,3	36,7	218	11—6—1	85,7	3,9	10,4	154
6	51,3	7,7	41,0	234	2	77,6	3,5	18,8	170
7	48,0	7,2	44,8	250	3	70,9	3,2	25,8	186
8	45,1	6,7	48,1	266	4	65,3	3,0	31,7	202
9	42,5	6,4	51,0	282	5	60,5	2,7	36,7	218
10	40,3	6,0	53,7	298	6	56,4	2,5	41,0	234
11	38,2	5,7	56,1	314	7	52,8	2,4	44,8	250
12	36,4	5,4	58,2	330	8	49,6	2,2	48,2	266
<b>10—20—1</b>	76,9	12,8	10,3	156	9	46,8	2,1	51,1	282
2	69,8	11,6	18,6	172	10	44,3	2,0	53,7	298
3	63,8	10,6	25,5	188	11	42,0	1,9	56,1	314
4	58,8	9,8	31,4	204	12	40,0	1,8	58,2	330
5	54,5	9,1	36,4	220	13	38,1	1,7	60,1	346
6	50,8	8,5	40,7	236	14	36,4	1,6	61,9	362
7	47,6	7,9	44,5	252	15	34,8	1,6	63,5	378
8	44,8	7,4	47,8	268	11—8—1	84,6	5,1	10,3	156
9	42,2	7,0	50,7	284	2	76,8	4,6	18,6	172
10	40,0	6,7	53,3	300	3	70,2	4,2	25,5	188
11	38,0	6,7	55,7	316	4	64,7	3,9	31,4	204
<b>10—22—1</b>	76,0	13,9	10,1	158	5	60,0	3,6	36,4	220
2	68,9	12,6	18,4	174	6	55,9	3,4	40,7	236
3	63,2	11,6	25,2	190	7	52,4	3,2	44,4	252
4	58,2	10,7	31,1	206	8	49,2	3,0	47,7	268
5	54,0	10,0	36,0	222	9	46,5	2,8	50,7	284
6	50,4	9,2	40,3	238	10	44,0	2,6	53,3	300
7	47,2	8,6	44,1	254	11	41,8	2,5	55,7	316
8	44,8	8,1	47,4	270	12	39,7	2,4	57,8	332
9	42,0	7,7	50,3	286	13	37,9	2,3	59,8	348
10	39,7	7,3	53,0	302	14	36,3	2,2	61,5	364
<b>10—24—4</b>	57,7	11,5	30,8	208	15	34,7	2,1	63,2	380
14	32,6	6,5	60,9	368	16	33,3	2,0	64,6	396
<b>10—26—13</b>	33,9	7,4	58,7	354	11—10—1	83,6	6,3	10,1	158
<b>11—2—1</b>	88,0	1,3	10,7	150	2	75,8	5,7	18,4	174
2	79,5	1,2	19,3	166	3	69,5	5,2	25,3	190
3	72,5	1,1	26,4	182	4	64,1	4,8	31,1	206
4	66,7	1,0	32,3	198	5	59,5	4,5	36,0	222

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>11—10—6</b>	55,4	4,2	40,3	238	<b>11—16—15</b>	34,0	4,1	61,8	388
7	52,0	3,9	44,1	254	<b>11—18—1</b>	79,5	10,8	9,6	166
<b>8</b>	48,9	3,7	47,4	270	<b>2</b>	72,5	9,9	17,6	182
9	46,2	3,5	50,3	286	<b>3</b>	66,7	9,1	24,2	198
<b>10</b>	43,7	3,3	53,0	302	<b>4</b>	61,7	8,4	29,9	214
11	41,5	3,1	55,3	318	<b>5</b>	57,4	7,8	34,8	230
<b>12</b>	39,5	3,0	57,4	334	<b>6</b>	53,7	7,3	39,0	246
13	37,7	2,8	59,4	350	<b>7</b>	50,4	6,9	42,6	262
<b>14</b>	36,1	2,7	61,2	366	<b>8</b>	47,5	6,5	46,0	278
15	34,6	2,6	62,8	382	<b>9</b>	44,9	6,1	49,0	294
<b>16</b>	33,2	2,5	64,3	398	<b>10</b>	42,6	5,8	51,6	310
17	31,9	2,4	65,7	414	<b>11</b>	40,5	5,5	54,0	326
<b>11—12—1</b>	82,5	7,5	10,0	160	<b>12</b>	38,6	5,2	56,1	342
2	75,0	6,8	18,2	176	<b>13</b>	36,8	5,0	58,1	358
3	68,8	6,2	25,0	192	<b>14</b>	35,3	4,8	59,8	374
<b>4</b>	63,5	5,8	30,7	208	<b>11—20—1</b>	78,5	11,9	9,5	168
5	58,9	5,3	35,7	224	<b>2</b>	71,7	10,9	17,4	184
6	55,0	5,0	40,0	240	<b>3</b>	66,0	10,0	24,0	200
<b>7</b>	51,5	4,7	43,7	256	<b>4</b>	61,1	9,2	29,6	216
8	48,5	4,4	47,1	272	<b>5</b>	56,9	8,6	34,5	232
9	45,9	4,1	50,0	288	<b>6</b>	53,2	8,0	38,7	248
<b>10</b>	43,4	3,9	52,6	304	<b>7</b>	50,0	7,6	42,4	264
11	41,2	3,7	55,0	320	<b>8</b>	47,1	7,1	45,7	280
12	39,3	3,6	57,1	336	<b>9</b>	44,6	6,7	48,6	296
<b>13</b>	37,5	3,4	59,1	352	<b>10</b>	42,3	6,4	51,3	312
14	35,9	3,2	60,9	368	<b>11</b>	40,2	6,1	53,7	328
15	34,4	3,1	62,5	384	<b>12</b>	38,4	5,8	55,8	344
<b>16</b>	33,0	3,0	64,0	400	<b>13</b>	36,7	5,5	57,8	360
17	31,7	2,9	65,4	416	<b>11—22—1</b>	77,6	12,9	9,4	170
<b>11—14—1</b>	81,5	8,6	9,9	162	<b>2</b>	70,9	11,8	17,2	186
2	74,2	7,8	18,0	178	<b>3</b>	65,3	10,9	23,8	202
3	68,0	7,2	24,7	194	<b>4</b>	60,6	10,1	29,3	218
<b>4</b>	62,8	6,7	30,5	210	<b>5</b>	56,4	9,4	34,2	234
5	58,4	6,2	35,4	226	<b>6</b>	52,8	8,8	38,4	250
6	54,5	5,8	69,7	242	<b>7</b>	49,6	8,3	42,1	266
7	51,2	5,4	43,3	258	<b>8</b>	46,8	7,8	45,4	282
<b>8</b>	48,2	5,1	46,7	274	<b>9</b>	44,3	7,4	48,3	298
9	45,5	4,8	49,7	290	<b>10</b>	42,0	7,0	51,0	314
<b>10</b>	43,1	4,6	52,3	306	<b>11</b>	40,0	6,7	53,3	330
11	41,0	4,3	54,7	322	<b>12</b>	38,1	6,3	55,5	346
12	39,0	4,1	56,8	338	<b>1</b>	76,7	13,9	9,3	172
13	37,3	3,9	58,8	354	<b>2</b>	70,2	12,8	17,0	188
<b>14</b>	35,7	3,8	60,5	370	<b>3</b>	64,7	11,7	23,5	204
15	34,2	3,6	62,2	386	<b>4</b>	60,0	10,9	29,1	220
16	32,8	3,5	63,7	402	<b>5</b>	55,9	10,2	33,9	236
<b>11—16—1</b>	80,4	9,8	9,8	164	<b>6</b>	52,4	9,5	38,1	252
2	73,3	8,9	17,8	180	<b>7</b>	49,2	8,9	41,8	268
3	67,3	8,1	24,5	196	<b>8</b>	46,5	8,4	45,1	284
<b>4</b>	62,3	7,5	30,2	212	<b>9</b>	44,0	8,0	48,0	300
5	57,9	7,0	35,1	228	<b>10</b>	41,8	7,6	50,6	316
6	54,1	6,5	39,3	244	<b>11</b>	39,7	7,2	53,0	332
7	50,7	6,1	43,1	260	<b>12—2—1</b>	88,9	1,2	9,9	162
8	47,8	5,8	46,4	276	<b>2</b>	80,9	1,1	18,0	178
9	45,2	5,5	49,3	292	<b>3</b>	74,2	1,0	24,7	194
<b>10</b>	42,8	5,2	51,9	308	<b>4</b>	68,6	0,9	30,5	210
11	40,7	4,9	54,3	324	<b>5</b>	63,7	0,9	35,4	226
<b>12</b>	38,8	4,7	56,5	340	<b>6</b>	59,5	0,8	39,7	242
13	37,1	4,5	58,4	356	<b>7</b>	55,8	0,7	43,4	258
14	35,5	4,3	60,2	372	<b>8</b>	52,6	0,7	46,7	274

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
12—2—9	49,6	0,7	49,6	290	12—10—6	57,6	4,0	38,4	250
10	47,0	0,6	52,3	306	7	54,1	3,7	42,1	266
11	44,7	0,6	54,6	322	8	51,1	3,5	45,4	282
12	42,6	0,6	56,8	338	9	48,3	3,3	48,3	298
13	40,7	0,6	58,7	354	10	45,8	3,2	50,9	314
14	38,9	0,5	60,5	370	11	43,6	3,0	53,3	330
12—4—1	87,8	2,4	9,7	164	12	41,6	2,9	55,5	346
2	80,0	2,2	17,8	180	13	39,8	2,7	57,4	362
3	73,4	2,0	24,5	196	14	38,1	2,6	59,2	378
4	67,9	1,9	30,2	212	15	36,5	2,5	60,9	394
5	63,2	1,7	35,1	228	16	35,1	2,4	62,4	410
6	59,0	1,6	39,4	244	17	33,8	2,3	63,9	426
7	55,4	1,5	43,1	260	18	32,6	2,2	65,2	442
8	52,2	1,4	46,4	276	12—12—1	83,7	6,9	9,3	172
9	49,3	1,4	49,3	292	2	76,6	6,4	17,0	188
10	46,8	1,3	51,9	308	3	70,6	5,9	23,5	204
11	44,4	1,2	54,3	324	4	65,5	5,4	29,1	220
12	42,3	1,2	56,5	340	5	61,0	5,1	33,9	236
13	40,4	1,1	58,4	356	6	57,1	4,8	38,1	252
14	38,7	1,1	60,2	372	7	53,7	4,4	41,8	268
15	37,1	1,0	61,9	388	8	50,7	4,2	45,1	284
12—6—1	86,7	3,6	9,6	166	9	48,0	4,0	48,0	300
2	79,1	3,3	17,6	182	10	45,6	3,8	50,8	316
3	72,7	3,0	24,3	198	11	43,4	3,6	53,0	332
4	67,3	2,8	29,9	214	12	41,4	3,4	55,2	348
5	62,6	2,6	34,8	230	13	39,5	3,3	57,1	364
6	58,8	2,4	39,0	246	14	37,9	3,1	59,0	380
7	55,0	2,3	42,7	262	15	36,4	3,0	60,6	396
8	51,8	2,1	46,1	278	16	35,0	2,9	62,1	412
9	49,0	2,0	49,0	294	17	33,6	2,8	63,5	428
10	46,4	1,9	51,6	310	18	32,4	2,7	64,9	444
11	44,2	1,8	54,0	326	19	31,3	2,6	66,1	460
12	42,1	1,7	56,2	342	12—14—1	82,7	8,0	9,2	174
13	40,2	1,7	58,1	358	2	75,8	7,4	16,8	190
14	38,5	1,6	59,9	374	3	69,9	6,8	23,3	206
15	36,9	1,5	61,6	390	4	64,8	6,3	28,8	222
16	35,5	1,5	63,0	406	5	60,5	5,9	33,6	238
12—8—1	85,7	4,7	9,5	168	6	56,7	5,5	37,8	254
2	78,3	4,3	17,4	184	7	53,3	5,2	41,5	270
3	72,0	4,0	24,0	200	8	50,3	4,9	44,7	286
4	66,7	3,7	29,6	216	9	47,7	4,6	47,7	302
5	62,1	3,4	34,5	232	10	45,3	4,4	50,3	318
6	58,1	3,2	38,7	248	11	43,1	4,2	52,7	334
7	54,5	3,0	42,4	264	12	41,1	4,0	54,8	350
8	51,4	2,9	45,7	280	13	39,3	3,8	56,8	366
9	48,6	2,7	48,6	296	14	37,7	3,6	57,6	382
10	46,1	2,6	51,3	312	15	36,2	3,5	60,3	398
11	43,9	2,4	53,6	328	16	34,8	3,4	61,8	414
12	41,9	2,3	55,8	344	17	33,5	3,2	63,3	430
13	40,0	2,2	57,8	360	18	32,3	3,1	64,6	446
14	38,3	2,1	59,6	376	12—16—1	81,8	9,1	9,1	176
15	36,7	2,0	61,2	392	2	75,0	8,3	16,7	192
16	35,3	1,9	62,8	408	3	69,2	7,7	23,1	208
17	34,0	1,9	64,1	424	4	64,3	7,1	28,6	224
12—10—1	84,7	5,9	9,4	170	5	60,0	6,7	33,3	240
2	77,4	5,4	17,2	186	6	56,3	6,2	37,5	256
3	71,3	4,9	23,8	202	7	52,9	5,9	41,2	272
4	66,1	4,6	29,3	218	8	50,0	5,6	44,4	288
5	61,5	4,3	34,2	234	9	47,4	5,2	47,4	304

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>12—16—10</b>	45,0	5,0	50,0	320	<b>12—24—6</b>	54,5	9,1	36,4	264
11	42,8	4,7	52,4	336	7	51,4	8,6	40,0	280
12	40,9	4,5	54,6	352	8	48,7	8,1	43,2	296
13	39,1	4,3	56,5	368	9	46,2	7,7	46,1	312
14	37,5	4,2	58,3	384	10	43,9	7,3	48,8	328
15	36,0	4,0	60,0	400	11	41,8	7,0	51,2	344
16	34,6	3,8	61,6	416	12	40,0	6,7	53,3	360
17	33,3	3,7	63,0	432	13	38,3	6,4	55,3	376
<b>12—18—1</b>	80,9	10,1	9,0	178	<b>12—26—1</b>	77,4	14,0	8,6	186
2	74,2	9,3	16,5	194	2	71,3	12,9	15,8	202
3	68,6	8,6	22,8	210	3	66,1	11,9	22,0	218
4	63,7	7,9	28,3	226	4	61,5	11,1	37,4	234
5	59,5	7,4	33,1	242	5	57,6	10,4	32,0	250
6	55,8	7,0	37,2	258	6	54,1	9,8	36,1	266
7	52,5	6,5	40,9	274	7	51,1	9,2	39,7	282
8	49,7	6,2	44,1	290	8	48,3	8,7	42,9	298
9	47,1	5,9	47,0	306	9	45,8	8,3	45,8	314
10	44,7	5,6	49,7	322	10	43,6	7,9	48,5	330
11	42,6	5,3	52,1	338	11	41,6	7,5	50,9	346
12	40,7	5,1	54,2	354	12	39,8	7,2	53,0	362
13	38,9	4,8	56,2	370	<b>13—2—1</b>	89,6	1,1	9,2	174
14	37,3	4,6	58,0	386	2	82,1	1,0	16,8	190
15	35,8	4,5	59,7	402	3	75,7	1,0	23,3	206
16	34,4	4,3	61,2	418	4	70,3	0,9	28,8	222
<b>12—20—1</b>	80,0	11,1	8,9	180	5	65,5	0,8	33,6	238
2	73,5	10,2	16,3	196	6	61,4	0,8	37,8	254
3	67,9	9,4	22,6	212	7	57,8	0,7	41,5	270
4	63,2	8,8	28,0	228	8	54,5	0,7	44,8	286
5	59,0	8,2	32,8	244	9	51,6	0,7	47,7	302
6	55,4	7,7	36,9	260	10	49,0	0,6	50,3	318
7	52,2	7,2	40,6	276	11	46,7	0,6	52,7	334
8	49,3	6,9	43,8	292	12	44,6	0,6	54,8	350
9	46,7	6,5	46,7	308	13	42,6	0,5	56,8	366
10	44,4	6,2	49,4	324	14	40,8	0,5	58,6	382
11	42,3	5,9	51,8	340	15	39,2	0,5	60,2	398
12	40,5	5,6	53,9	356	<b>13—4—1</b>	88,6	2,3	9,1	176
13	38,7	5,4	55,9	372	2	81,3	2,1	16,6	192
14	37,1	5,2	57,7	388	3	75,0	1,9	23,1	208
15	35,6	4,9	59,4	404	4	69,6	1,8	28,6	224
16	34,3	4,7	61,0	420	5	65,0	1,7	33,3	240
<b>12—22—1</b>	79,1	12,1	8,8	182	6	60,9	1,5	37,5	256
2	72,7	11,1	16,1	198	7	57,3	1,5	41,2	272
3	67,3	10,3	22,4	214	8	54,2	1,4	44,4	288
4	62,6	9,5	27,8	230	9	51,3	1,3	47,4	304
5	58,5	8,9	32,5	246	10	48,7	1,2	50,0	320
6	54,9	8,4	36,6	262	11	46,4	1,2	52,4	336
7	51,8	7,9	40,3	278	12	44,3	1,1	54,5	352
8	49,0	7,5	43,5	294	13	42,4	1,1	56,5	368
9	46,4	7,1	46,4	310	14	40,6	1,0	58,3	384
10	44,2	6,7	49,1	326	15	39,0	1,0	60,0	400
11	42,1	6,4	51,5	342	16	37,5	1,0	61,5	416
12	40,2	6,1	53,6	358	<b>13—6—1</b>	87,7	3,3	9,0	178
13	38,5	5,8	55,6	374	2	80,4	3,1	16,5	194
14	36,9	5,6	57,4	390	3	74,3	2,8	22,8	210
<b>12—24—1</b>	78,3	13,0	8,7	184	4	69,0	2,6	28,3	226
2	72,0	12,0	16,0	200	5	64,5	2,5	33,0	242
3	66,7	11,1	22,2	216	6	60,4	2,3	37,2	258
4	62,1	10,3	27,6	232	7	56,9	2,2	40,9	274
5	58,1	9,7	32,2	248	8	53,8	2,0	44,1	290

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
13—6—9	51,0	1,9	47,1	306	13—12—14	39,8	3,1	57,1	392
10	48,4	1,8	49,7	322	15	38,2	2,9	58,8	408
11	46,1	1,8	52,1	338	16	36,8	2,8	60,4	424
12	44,1	1,7	54,2	354	17	35,4	2,7	61,8	440
13	42,1	1,6	56,2	370	18	34,2	2,6	63,1	456
14	40,4	1,5	58,0	386	19	33,0	2,5	64,4	472
15	38,8	1,5	59,7	402	20	32,0	2,4	65,5	488
16	37,3	1,4	61,2	418	13—14—1	83,8	7,5	8,6	186
17	35,9	1,4	62,7	434	2	77,2	6,9	15,8	202
13—8—1	86,7	4,4	8,9	180	3	71,5	6,4	22,0	218
2	79,6	4,1	16,3	196	4	66,7	6,0	27,3	234
3	73,6	3,8	22,6	212	5	62,4	5,6	32,0	250
4	68,4	3,5	28,1	228	6	58,6	5,2	36,1	266
5	63,9	3,3	32,8	244	7	55,3	4,9	39,7	282
6	60,0	3,1	36,9	260	8	52,3	4,7	42,9	298
7	56,5	2,9	40,6	276	9	49,7	4,4	45,8	314
8	53,4	2,7	43,8	292	10	47,3	4,2	48,5	330
9	50,6	2,6	46,7	308	11	45,1	4,0	50,9	346
10	48,1	2,5	43,4	324	12	43,1	3,8	53,0	362
11	45,9	2,3	51,8	340	13	41,3	3,7	55,0	378
12	43,8	2,2	53,9	356	14	39,6	3,5	56,8	394
13	41,9	2,1	55,9	372	15	38,1	3,4	58,4	410
14	40,2	2,0	57,7	388	16	36,6	3,3	60,1	426
15	38,6	2,0	59,4	404	17	35,3	3,2	61,5	442
16	37,1	1,9	61,0	420	18	34,1	3,0	62,9	458
17	35,8	1,8	62,4	436	19	32,9	2,9	64,1	474
18	34,5	1,7	63,7	452	20	31,8	2,8	65,3	490
13—10—1	85,7	5,5	8,8	182	13—16—1	83,0	8,5	8,5	188
2	78,8	5,1	16,1	198	2	76,5	7,8	15,7	204
3	72,9	4,6	22,5	214	3	70,9	7,3	21,8	220
4	67,8	4,3	27,8	230	4	66,1	6,8	27,1	236
5	63,4	4,0	32,5	246	5	61,9	6,3	31,7	252
6	56,5	3,8	36,6	262	6	58,2	5,9	35,8	268
7	56,1	3,6	40,3	278	7	54,9	5,6	39,4	284
8	53,1	3,4	43,5	294	8	52,0	5,3	42,7	300
9	50,3	3,2	46,4	310	9	49,4	5,0	45,6	316
10	47,8	3,0	49,1	326	10	47,0	4,8	48,2	332
11	45,6	2,9	41,5	342	11	44,8	4,6	50,6	348
12	43,6	2,8	53,6	358	12	42,8	4,4	52,7	364
13	41,7	2,7	56,5	374	13	41,1	4,2	54,7	380
14	40,0	2,5	57,4	390	14	39,4	4,0	56,6	396
15	38,4	2,4	59,1	406	15	37,9	3,9	58,2	412
16	36,9	2,3	60,7	422	16	36,4	3,7	59,8	428
17	35,6	2,3	62,1	438	17	35,1	3,6	61,3	444
18	34,3	2,2	63,4	454	18	33,9	3,5	62,6	460
19	33,2	2,1	64,6	470	19	32,8	3,4	63,8	476
13—12—1	84,8	6,5	8,7	184	13—18—1	82,1	9,5	8,4	190
2	78,0	6,0	16,0	200	2	75,7	8,7	15,5	206
3	72,2	5,5	22,2	216	3	70,3	8,1	21,6	222
4	67,2	5,2	27,6	232	4	65,5	7,5	26,9	238
5	62,9	4,8	32,2	248	5	61,4	7,1	31,5	254
6	59,1	4,5	36,4	264	6	57,8	6,6	35,5	270
7	55,7	4,2	40,0	280	7	54,5	6,3	39,2	286
8	52,7	4,0	43,2	296	8	51,6	5,9	42,4	302
9	50,0	3,8	46,1	312	9	49,1	5,6	45,3	318
10	47,5	3,6	48,8	328	10	46,7	5,4	47,9	334
11	45,3	3,5	51,2	344	11	44,6	5,1	50,3	350
12	43,3	3,3	53,3	360	12	42,6	4,9	52,4	366
13	41,5	3,2	55,3	376	13	40,8	4,7	54,4	382

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>13—18—14</b>	39,2	4,5	56,3	398	<b>13—26—7</b>	53,1	8,8	38,1	294
15	37,7	4,3	58,0	414	8	50,3	8,4	41,3	310
16	36,3	4,2	59,5	430	9	47,8	8,0	44,2	326
17	35,0	4,0	61,0	446	10	45,6	7,6	46,8	342
18	33,8	3,9	62,3	462	11	43,6	7,2	49,2	358
<b>13—20—1</b>	81,3	10,4	8,3	192	12	41,7	6,9	51,3	374
2	75,0	9,6	15,4	208	13	40,0	6,7	53,3	390
3	69,6	8,9	21,4	224	14	38,4	6,4	55,2	406
4	65,0	8,3	26,7	240	<b>13—28—1</b>	78,0	14,0	8,0	200
5	60,9	7,8	31,3	256	2	72,2	13,0	14,8	216
6	57,3	7,3	35,3	272	3	67,2	12,1	20,7	232
7	54,2	6,9	38,9	288	4	62,9	11,3	25,8	248
8	51,3	6,6	42,1	304	5	59,1	10,8	30,3	264
9	48,7	6,2	45,0	320	6	55,7	10,0	34,3	280
10	46,4	5,9	47,6	336	7	52,7	9,5	37,8	296
11	44,3	5,7	50,0	352	8	50,0	9,0	41,0	312
12	42,4	5,4	52,2	368	9	47,6	8,5	43,9	328
13	40,6	5,2	54,2	384	10	45,3	8,1	46,5	344
14	39,0	5,0	56,0	400	11	43,3	7,8	48,9	360
15	37,5	4,8	57,7	416	12	41,5	7,4	51,0	376
16	36,1	4,6	59,3	432	13	39,8	7,1	53,1	392
17	34,8	4,5	60,7	448	<b>14—2—1</b>	90,3	1,1	8,6	186
<b>13—22—1</b>	80,4	11,3	8,2	194	2	83,2	1,0	15,8	202
2	74,3	10,5	15,2	210	3	77,1	0,9	22,0	218
3	69,0	9,7	21,2	226	4	71,8	0,8	27,4	234
4	64,4	9,1	26,4	242	5	67,2	0,8	32,0	250
5	60,5	8,5	31,0	258	6	63,2	0,7	36,1	266
6	56,9	8,0	35,0	274	7	59,6	0,7	39,7	282
7	53,7	7,6	38,6	290	8	56,4	0,7	42,9	298
8	51,0	7,2	41,8	306	9	53,5	0,6	45,9	314
9	48,4	6,8	44,7	322	10	50,9	0,6	48,5	330
10	46,2	6,5	47,3	338	11	48,6	0,6	50,8	346
11	44,1	6,2	49,7	354	12	46,4	0,5	53,0	362
12	42,1	5,9	51,9	370	13	44,4	0,5	55,0	378
13	40,4	5,7	53,9	386	14	42,6	0,5	56,8	394
14	38,8	5,5	55,7	402	15	41,0	0,5	58,5	410
15	37,3	5,3	57,4	418	16	39,4	0,5	60,1	426
16	35,9	5,0	59,0	434	<b>14—4—1</b>	89,4	2,1	8,5	188
<b>13—24—1</b>	79,6	12,2	8,2	196	2	82,4	1,9	15,7	204
2	73,6	11,3	15,1	212	3	76,4	1,8	21,8	220
3	68,4	10,5	21,1	228	4	71,2	1,7	27,1	236
4	63,9	9,8	26,2	244	5	66,7	1,6	31,7	252
5	60,0	9,2	30,8	260	6	62,7	1,5	35,8	268
6	56,5	8,7	34,8	276	7	59,2	1,4	39,4	284
7	53,4	8,2	38,3	292	8	56,0	1,3	42,7	300
8	50,7	7,8	41,5	308	9	53,2	1,3	45,5	316
9	48,2	7,4	44,4	324	10	50,6	1,2	48,2	332
10	45,9	7,0	47,1	340	11	48,3	1,1	50,6	348
11	43,8	6,7	49,4	356	12	46,2	1,1	52,7	364
12	41,9	6,4	51,6	372	13	44,2	1,1	54,7	380
13	40,2	6,2	53,6	388	14	42,4	1,0	56,6	396
14	38,6	5,9	55,4	404	15	40,8	1,0	58,2	412
15	37,1	5,7	57,1	420	16	39,3	0,9	59,8	428
<b>13—28—1</b>	78,5	13,1	8,1	198	17	37,8	0,9	61,2	444
2	72,9	12,2	14,9	214	<b>14—6—1</b>	88,4	3,2	8,4	190
3	67,8	11,3	20,9	230	2	81,6	2,9	15,5	206
4	63,4	10,6	26,0	246	3	75,7	2,7	21,6	222
5	59,6	9,9	30,5	262	4	70,6	2,5	26,9	238
6	56,1	9,3	34,5	278	5	66,1	2,4	31,5	254

C-H-O	C %	H %	O %	M.G.	C-H-O	C %	H %	O %	M.G.
14-6-8	62,2	2,2	35,6	270	14-12-8	54,5	3,9	41,6	308
7	58,7	2,1	39,2	286	9	51,8	3,7	44,4	324
8	55,6	2,0	42,4	302	10	49,4	3,5	47,0	340
9	52,8	1,9	45,3	315	11	47,2	3,4	49,4	356
10	50,3	1,8	47,9	334	12	45,2	3,2	51,6	372
11	48,0	1,7	50,3	350	13	43,3	3,1	53,6	388
12	45,9	1,6	52,4	366	14	41,6	3,0	55,4	404
13	44,0	1,6	54,4	382	15	40,0	2,8	57,2	420
14	42,2	1,5	56,3	398	16	38,5	2,7	58,7	436
15	40,6	1,5	57,9	414	17	37,2	2,6	60,2	452
16	39,1	1,4	59,5	430	18	35,9	2,6	61,5	468
17	37,7	1,3	61,0	446	19	34,7	2,5	62,8	484
18	36,4	1,3	62,3	462	20	33,6	2,4	64,0	500
14-8-1	87,5	4,2	8,3	192	21	32,6	2,3	65,1	516
2	80,8	3,8	15,4	208	22	28,5	6,5	15,0	198
3	75,0	3,5	21,4	224	3	73,1	6,1	20,8	230
4	70,0	3,3	26,7	240	4	68,3	5,7	26,0	246
5	65,6	3,1	31,2	256	5	64,1	5,3	30,5	262
6	61,8	2,9	35,3	272	6	60,4	5,0	34,5	278
7	58,3	2,8	38,9	288	7	57,1	4,8	38,1	294
8	55,3	2,6	42,1	304	8	54,2	4,5	41,3	310
9	52,5	2,5	45,0	320	9	51,5	4,3	44,2	326
10	50,0	2,4	47,6	336	10	49,1	4,1	46,8	342
11	47,7	2,3	50,0	352	11	46,9	3,9	49,2	358
12	45,6	2,2	52,2	368	12	44,9	3,7	51,3	374
13	43,7	2,1	54,2	384	13	43,1	3,6	53,3	390
14	42,0	2,0	56,0	400	14	41,4	3,4	55,2	406
15	40,4	1,9	57,7	416	15	39,8	3,3	56,9	422
16	38,9	1,8	59,3	432	16	38,4	3,2	58,4	438
17	37,5	1,8	60,7	448	17	37,0	3,1	59,9	454
18	36,2	1,7	62,1	464	18	35,7	3,0	61,3	470
19	35,0	1,7	63,3	480	19	34,6	2,9	62,5	486
14-10-1	86,6	5,1	8,2	194	20	33,5	2,8	63,7	502
2	80,0	4,8	15,2	210	21	32,4	2,7	64,9	518
3	74,3	4,4	21,2	226	22	31,5	2,6	65,9	534
4	69,4	4,1	26,4	242	23	30,0	2,5	67,5	550
5	65,1	3,9	31,0	258	24	28,6	2,4	69,1	566
6	61,3	3,6	35,1	274	25	27,2	2,3	70,7	582
7	57,9	3,4	38,6	290	26	25,8	2,2	72,3	598
8	54,9	3,3	41,8	306	27	24,4	2,1	73,9	614
9	52,2	3,1	44,7	322	28	23,0	2,0	75,5	630
10	49,7	2,9	47,3	338	29	21,6	1,9	77,1	646
11	47,5	2,8	49,7	354	30	20,2	1,8	78,7	662
12	45,4	2,7	51,9	370	31	18,8	1,7	80,3	678
13	43,5	2,6	53,9	386	32	17,4	1,6	81,9	694
14	41,8	2,5	55,7	402	33	16,0	1,5	83,5	710
15	40,2	2,4	57,4	418	34	14,6	1,4	85,1	726
16	38,7	2,3	59,0	434	35	13,2	1,3	86,7	742
17	37,3	2,2	60,4	450	36	11,8	1,2	88,3	758
18	36,1	2,1	61,8	466	37	10,4	1,1	89,9	774
19	34,8	2,1	63,0	482	38	9,0	1,0	91,5	790
20	33,7	2,0	64,2	498	39	7,6	0,9	93,1	806
14-12-1	85,7	6,1	8,2	196	40	6,2	0,8	94,7	822
2	79,3	5,6	15,1	212	41	5,8	0,7	96,3	838
3	73,7	5,3	21,0	228	42	5,4	0,6	97,9	854
4	68,8	4,9	26,2	244	43	5,0	0,5	99,5	870
5	64,6	4,6	30,8	260	44	4,6	0,4	101,1	886
6	60,9	4,3	34,8	276	45	4,2	0,3	102,7	902
7	57,5	4,1	38,4	292	46	3,8	0,2	104,3	918
					47	3,4	0,1	105,9	934
					48	3,0	0,0	107,5	950
					49	2,6	0,0	109,1	966
					50	2,2	0,0	110,7	982
					51	1,8	0,0	112,3	998
					52	1,4	0,0	113,9	1014
					53	1,0	0,0	115,5	1030
					54	0,6	0,0	117,1	1046
					55	0,2	0,0	118,7	1062
					56	0,0	0,0	120,3	1078
					57	0,0	0,0	121,9	1094
					58	0,0	0,0	123,5	1110
					59	0,0	0,0	125,1	1126
					60	0,0	0,0	126,7	1142
					61	0,0	0,0	128,3	1158
					62	0,0	0,0	129,9	1174
					63	0,0	0,0	131,5	1190
					64	0,0	0,0	133,1	1206
					65	0,0	0,0	134,7	1222
					66	0,0	0,0	136,3	1238
					67	0,0	0,0	137,9	1254
					68	0,0	0,0	139,5	1270
					69	0,0	0,0	141,1	1286
					70	0,0	0,0	142,7	1302
					71	0,0	0,0	144,3	1318
					72	0,0	0,0	145,9	1334
					73	0,0	0,0	147,5	1350
					74	0,0	0,0	149,1	1366
					75	0,0	0,0	150,7	1382
					76	0,0	0,0	152,3	1398
					77	0,0	0,0	153,9	1414
					78	0,0	0,0	155,5	1430
					79	0,0	0,0	157,1	1446
					80	0,0	0,0	158,7	1462
					81	0,0	0,0	160,3	1478
					82	0,0	0,0	161,9	1494
					83	0,0	0,0	163,5	1510
					84	0,0	0,0	165,1	1526
					85	0,0	0,0	166,7	1542
					86	0,0	0,0	168,3	1558
					87	0,0	0,0	169,9	1574
					88	0,0	0,0	171,5	1590
					89	0,0	0,0	173,1	1606
					90	0,0	0,0	174,7	1622
					91	0,0	0,0	176,3	1638
					92	0,0	0,0	177,9	1654
					93	0,0	0,0	179,5	1670
					94	0,0	0,0	181,1	1686
					95	0,0	0,0	182,7	1702
					96	0,0	0,0	184,3	1718
					97	0,0	0,0	185,9	1734
					98	0,0	0,0	187,5	1750
					99	0,0	0,0	189,1	1766
					100	0,0	0,0	190,7	1782
					101	0,0	0,0	192,3	1798
					102	0,0	0,0	193,9	1814
					103	0,0	0,0	195,5	1830
					104	0,0	0,0	197,1	1846
					105	0,0	0,0	198,7	1862
					106	0,0	0,0	200,3	1878
					107	0,0	0,0	201,9	1894
					108	0,0	0,0	203,5	1910
					109	0,0	0,0	205,1	1926
					110	0,0	0,0	206,7	1942
					111	0,0	0,0	208,3	1958
					112	0,0	0,0	209,9	1974
					113	0,0	0,0	211,5	1990
					114	0,0	0,0	212,1	2006
					115	0,0	0,0	213,7	2022
					116	0,0	0,0	214,3	2038
					117	0,0	0,0	215,9	2054
					118	0,0	0,0	216,5	2070
					119	0,0	0,0	217,1	2086
					120	0,0	0,0	218,7	2102
					121	0,0	0,0	219,3	2118
					122	0,0	0,0	220,9	2134
					123	0,0	0,0	221,5	2150
					124	0,0	0,0	222,1	2166
					125	0,0	0,0	223,7	2182
					126	0,0	0,0	224,3	2198
					127	0,0	0,0	225,9	2214
					128	0,0	0,0	226,5	2230
					129	0,0	0,0	227,1	2246
					130	0,0	0,0	228,7	2262
					131	0,0	0,0	229,3	2278
					132	0,0	0,0	230,9	2294
					133	0,0	0,0	231,5	2310
					134	0,0	0,0	232,1	2326
					135	0,0	0,0	233,7	2342
					136	0,0	0,0	234,3	2358
					137	0,0	0,0	235,9	2374
					138	0,0	0,0	236,5	2390
					139	0,0	0,0	237,1	2406
					140	0,0	0,0	238,7	2422
					141	0,0	0,0	239,3	2438
					142	0,0	0,0	240,9	2454
					143	0,0	0,0	241,5	2470
					144	0,0	0,0	242,1	2486
					145	0,0	0,0	243,7	2502
					146	0,0	0,0	244,3	2518
					147	0,0	0,0	245,9	2534
					148	0,0	0,0	246,5	2550
					149	0,0	0,0	247,1	2566
					150	0,0	0,0	248,7	

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>14—18—3</b>	71,8	7,7	20,5	234	<b>14—24—5</b>	61,7	8,8	29,4	272
4	67,2	7,2	25,6	250	6	58,3	8,3	33,4	288
5	63,1	6,8	30,1	266	7	55,2	7,9	36,8	304
6	59,6	6,4	34,0	282	8	52,5	7,5	40,0	320
7	56,4	6,0	37,6	298	9	50,0	7,1	42,9	336
8	53,5	5,7	40,8	314	10	47,8	6,8	45,4	352
9	50,9	5,4	43,6	330	11	45,6	6,5	47,8	368
10	48,6	5,2	46,2	346	12	43,8	6,2	50,0	384
11	46,4	5,0	48,6	362	13	42,0	6,0	52,0	400
12	44,5	4,7	50,8	378	14	40,4	5,8	53,8	416
13	42,6	4,5	52,8	394	15	38,9	5,5	55,5	432
14	41,0	4,4	54,6	410	16	37,5	5,4	57,1	448
15	39,4	4,2	56,3	426	17	36,2	5,2	58,6	464
16	38,0	4,1	57,9	442	<b>14—26—1</b>	80,0	12,4	7,6	210
17	36,7	3,9	59,4	458	2	74,3	11,5	14,2	226
18	35,4	3,8	60,8	474	3	69,4	10,7	18,8	242
19	34,3	3,7	62,0	490	4	65,1	10,1	24,8	258
20	33,2	3,5	63,3	506	5	61,3	9,5	29,2	274
<b>14—20—1</b>	82,4	9,8	7,8	204	6	57,9	8,9	33,1	290
2	76,4	9,1	14,5	220	7	54,9	8,5	36,6	306
3	71,2	8,5	20,3	236	8	52,2	8,1	39,7	322
4	66,7	7,9	25,4	252	9	49,7	7,7	42,6	338
5	62,7	7,4	29,8	268	10	47,5	7,3	45,2	354
6	59,1	7,0	33,8	284	11	45,4	7,0	47,6	370
7	56,0	6,7	37,3	300	12	43,5	6,7	49,7	386
8	53,2	6,3	40,5	316	13	41,8	6,4	51,7	402
9	50,6	6,0	43,4	332	14	40,2	6,2	53,5	418
10	48,3	5,7	46,0	348	15	38,6	6,0	55,3	434
11	46,2	5,5	48,3	364	16	37,3	5,8	56,9	450
12	44,2	5,3	50,5	380	<b>14—28—1</b>	79,2	13,2	7,5	212
13	42,4	5,0	52,5	396	2	73,7	12,3	14,0	228
14	40,8	4,8	54,4	412	3	68,8	11,5	19,7	244
15	39,2	4,7	56,1	428	4	64,6	10,8	24,6	260
16	37,8	4,5	57,7	444	5	60,9	10,1	29,0	276
17	36,5	4,3	59,1	460	6	57,5	9,6	32,9	292
18	35,3	4,2	60,5	476	7	54,5	9,1	36,4	308
19	34,1	4,0	61,8	492	8	51,9	8,6	39,5	324
<b>14—22—1</b>	81,6	10,7	7,7	206	9	49,4	8,2	42,4	340
2	73,6	10,0	14,4	222	10	47,2	7,8	45,0	356
3	70,6	9,2	20,2	238	11	45,2	7,5	47,3	372
4	66,1	8,6	25,2	254	12	43,3	7,2	49,5	388
5	62,2	8,1	29,6	270	13	41,6	6,9	51,5	404
6	58,7	7,7	33,6	286	14	40,0	6,7	53,3	420
7	55,6	7,3	37,1	302	15	38,5	6,4	55,0	436
8	52,8	6,9	40,2	318	<b>14—30—1</b>	78,5	14,0	7,5	214
9	50,3	6,5	43,1	334	2	73,0	13,0	13,9	230
10	48,0	6,3	45,7	350	3	68,3	12,2	19,5	246
11	45,9	6,0	48,1	366	4	64,1	11,4	24,4	262
12	43,9	5,7	50,3	382	5	60,4	10,8	28,8	278
13	42,2	5,5	52,2	398	6	57,1	10,2	32,7	294
14	40,6	5,3	54,1	414	7	54,2	9,7	36,1	310
15	39,1	5,1	55,8	430	8	51,5	9,2	39,3	326
16	37,6	4,9	57,4	446	9	49,1	8,8	42,1	342
17	36,4	4,7	58,9	462	10	46,9	8,4	44,7	358
18	35,1	4,6	60,2	478	11	44,9	8,0	47,1	374
<b>14—24—1</b>	80,7	11,5	7,7	208	12	43,1	7,7	49,2	390
2	75,0	10,7	14,3	224	13	41,4	7,4	51,2	406
3	70,0	10,0	20,0	240	14	39,8	7,1	53,1	422
4	65,6	9,4	25,0	256	<b>15—2—1</b>	90,9	1,0	8,1	198

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
15—2—2	84,1	0,9	15,0	214	15—8—7	60,0	2,7	37,3	300
3	78,2	0,8	20,9	230	8	56,9	2,5	40,5	316
4	73,2	0,8	26,0	246	9	54,2	2,4	43,4	332
5	68,7	0,7	30,5	262	10	51,7	2,3	46,0	348
6	64,7	0,7	34,5	278	11	49,4	2,2	48,4	364
7	61,2	0,7	38,1	294	12	47,4	2,1	50,5	380
8	58,1	0,6	41,3	310	13	45,4	2,0	52,5	396
9	55,2	0,6	44,2	326	14	43,7	1,9	54,3	412
10	52,6	0,6	46,8	342	15	42,0	1,8	56,1	428
11	50,3	0,5	49,2	358	16	40,5	1,8	57,7	444
12	48,1	0,5	51,3	374	17	39,1	1,7	59,1	460
13	46,1	0,5	53,3	390	18	37,8	1,7	60,5	476
14	44,3	0,5	55,2	406	19	36,6	1,6	61,8	492
15	42,6	0,5	56,9	422	20	35,4	1,5	63,0	508
16	41,1	0,4	58,4	438	15—10—1	87,4	4,8	7,8	206
17	39,6	0,4	59,9	454	2	81,1	4,5	14,4	222
15—4—1	90,0	2,0	8,0	200	3	75,6	4,2	20,2	238
2	83,3	1,8	14,8	216	4	70,9	3,9	25,2	254
3	77,6	1,7	20,7	232	5	66,7	3,7	26,6	270
4	72,6	1,6	25,8	248	6	62,9	3,5	33,5	286
5	68,2	1,5	30,3	264	7	59,6	3,3	37,1	302
6	64,3	1,4	34,3	280	8	56,6	3,1	40,2	318
7	60,8	1,3	37,8	296	9	53,9	3,0	43,1	334
8	57,7	1,3	41,0	312	10	51,4	2,9	45,7	350
9	54,9	1,2	43,9	328	11	49,2	2,7	48,1	366
10	52,3	1,2	46,5	344	12	47,1	2,6	50,3	382
11	50,0	1,1	48,9	360	13	45,2	2,5	52,3	398
12	47,9	1,0	51,1	376	14	43,5	2,4	54,1	414
13	45,9	1,0	53,1	392	15	41,9	2,3	55,8	430
14	44,1	1,0	54,9	408	16	40,3	2,2	57,4	446
15	42,4	0,9	56,6	424	17	39,0	2,1	58,9	462
16	40,9	0,9	58,2	440	18	37,6	2,1	60,3	478
17	39,5	0,9	59,6	456	19	36,4	2,0	61,5	494
18	38,1	0,8	61,0	472	20	35,3	1,9	62,8	510
15—6—1	89,1	3,0	7,9	202	21	34,2	1,9	63,9	526
2	82,6	2,7	14,7	218	15—12—1	86,5	5,7	7,7	208
3	76,9	2,6	20,5	234	2	80,3	5,3	14,3	224
4	72,0	2,4	25,6	250	3	75,0	5,0	20,0	240
5	67,7	2,2	30,1	266	4	70,3	4,7	25,0	256
6	63,8	2,1	34,1	282	5	66,2	4,4	29,4	272
7	60,4	2,0	37,5	298	6	62,5	4,2	33,3	288
8	57,3	1,9	40,8	314	7	59,2	3,9	36,8	304
9	54,6	1,8	43,6	330	8	56,2	3,7	40,0	320
10	52,0	1,7	46,2	346	9	53,6	3,6	42,8	336
11	49,7	1,6	48,6	362	10	51,1	3,4	45,5	352
12	47,6	1,6	50,8	378	11	48,9	3,2	47,8	368
13	45,7	1,5	52,8	394	12	46,9	3,1	50,0	384
14	43,9	1,4	54,6	410	13	45,0	3,0	52,0	400
15	42,3	1,4	56,3	426	14	43,3	2,9	53,8	416
16	40,7	1,3	57,9	442	15	41,7	2,8	55,5	432
17	39,3	1,3	59,4	458	16	40,2	2,7	57,1	448
18	38,0	1,2	60,8	474	17	38,8	2,6	58,6	464
19	36,7	1,2	62,0	490	18	37,5	2,5	60,0	480
15—8—1	88,2	3,9	7,8	204	19	36,3	2,4	61,3	496
2	81,8	3,6	14,5	220	20	35,1	2,3	62,5	512
3	76,3	3,4	20,3	236	21	34,0	2,4	63,6	528
4	71,4	3,2	25,4	252	22	33,1	2,2	64,7	544
5	67,1	3,0	29,8	268	15—14—1	85,7	6,6	7,6	210
6	63,4	2,8	33,8	284	2	79,6	6,2	14,2	226

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>15—14—3</b>	74,4	5,8	19,8	242	<b>15—18—16</b>	39,6	3,9	56,4	454
4	69,8	5,4	24,8	258	17	38,3	3,8	57,9	470
5	65,7	5,1	29,2	274	18	37,0	3,7	59,3	486
6	62,1	4,8	33,1	290	19	35,9	3,6	60,5	502
7	58,8	4,6	36,6	306	20	34,7	3,5	61,8	518
8	55,9	4,3	39,7	322	21	33,7	3,4	62,9	534
9	53,2	4,1	42,6	338	22	32,7	3,3	64,0	550
10	50,8	3,9	45,2	354	<b>15—20—1</b>	83,3	9,2	7,4	216
11	48,6	3,8	47,5	370	2	77,6	8,6	13,8	232
12	46,6	3,6	49,7	386	3	72,6	8,0	19,4	248
13	44,5	3,5	51,7	402	4	68,2	7,5	24,2	264
14	43,1	3,3	53,6	418	5	64,3	7,1	28,6	280
15	41,5	3,2	55,3	434	6	60,8	6,7	32,4	296
16	40,0	3,1	56,9	450	7	57,7	6,4	35,9	312
17	38,6	3,0	58,4	466	8	54,9	6,1	39,0	328
18	37,3	2,9	59,7	482	9	52,3	5,8	41,9	344
19	36,1	2,8	61,0	498	10	50,0	5,6	44,4	360
20	35,0	2,7	62,3	514	11	47,9	5,3	46,8	376
21	34,0	2,6	63,4	530	12	45,9	5,1	49,0	392
22	33,0	2,5	64,5	546	13	44,1	4,9	51,0	408
23	32,0	2,5	65,5	562	14	42,4	4,7	52,8	424
<b>15—16—1</b>	84,9	7,5	7,5	212	15	40,9	4,5	54,6	440
2	78,9	7,0	14,0	228	16	39,5	4,4	56,1	456
3	73,8	6,5	19,7	244	17	38,1	4,2	57,6	472
4	69,2	6,1	24,6	260	18	36,9	4,1	59,0	488
5	65,1	5,8	29,0	276	19	35,7	3,9	60,3	504
6	61,6	5,5	32,9	292	20	34,6	3,8	61,6	520
7	58,4	5,2	36,4	308	21	33,6	3,7	62,7	536
8	55,5	4,9	39,5	324	<b>15—22—1</b>	82,6	10,1	7,3	218
9	52,9	4,7	42,3	340	2	76,9	9,4	13,7	234
10	50,5	4,5	44,9	356	3	72,0	8,8	19,2	250
11	48,4	4,3	47,3	372	4	67,7	8,3	24,0	266
12	46,4	4,1	49,5	388	5	63,8	7,8	28,4	282
13	44,5	4,0	51,5	404	6	60,4	7,4	32,2	298
14	42,8	3,8	52,4	420	7	57,3	7,0	35,7	314
15	41,3	3,7	55,0	436	8	54,5	6,6	38,8	330
16	39,8	3,5	56,6	452	9	52,0	6,4	41,6	346
17	38,5	3,4	58,1	468	10	49,7	6,1	44,2	362
18	37,2	3,3	59,5	484	11	47,6	5,8	46,6	378
19	36,0	3,2	60,8	500	12	45,7	5,6	48,7	394
20	34,9	3,1	62,0	516	13	43,9	5,4	50,7	410
21	33,8	3,0	63,2	532	14	42,2	5,2	52,6	426
22	32,9	2,9	64,2	548	15	40,7	5,0	54,3	442
23	31,9	2,8	65,3	564	16	39,3	4,8	55,9	458
<b>15—18—1</b>	84,1	8,4	7,5	214	17	38,0	4,6	57,4	474
2	78,3	7,8	13,9	230	18	36,7	4,5	58,8	490
3	73,2	7,3	19,5	246	19	35,6	4,3	60,1	506
4	68,7	6,9	24,4	262	20	34,5	4,2	61,3	522
5	64,7	6,5	28,8	278	<b>15—24—1</b>	81,8	10,9	7,3	229
6	61,2	6,1	32,7	294	2	76,3	10,2	13,5	236
7	58,1	5,8	36,1	310	3	71,4	9,5	19,1	252
8	55,2	5,5	39,3	326	4	67,1	8,9	23,9	268
9	52,6	5,3	42,1	342	5	63,4	8,4	28,2	284
10	50,3	5,0	44,7	358	6	60,0	8,0	32,0	360
11	48,1	4,8	47,1	374	7	56,9	7,6	35,4	316
12	46,2	4,6	49,2	390	8	54,2	7,2	38,6	332
13	44,3	4,4	51,2	406	9	51,7	6,9	41,4	348
14	42,6	4,3	53,1	422	10	49,4	6,6	44,0	364
15	41,1	4,1	54,8	438	11	47,4	6,3	46,3	380

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>15—24—12</b>	45,4	6,1	48,5	396	<b>15—32—1</b>	79,0	14,0	7,0	228
13	43,7	5,8	50,5	412	2	73,8	13,1	13,1	244
14	42,1	5,6	52,3	428	3	69,2	12,3	18,5	260
15	40,5	5,4	54,1	444	4	65,1	11,6	23,2	276
16	39,1	5,2	55,6	460	5	61,6	11,0	27,4	292
17	37,8	5,0	57,2	476	6	58,4	10,4	31,2	308
18	36,6	4,9	58,5	492	7	55,5	9,9	34,6	321
19	35,4	4,7	59,8	508	8	52,9	9,4	37,6	340
<b>15—26—1</b>	81,1	11,7	7,2	222	9	50,5	9,0	40,4	336
2	75,6	10,9	13,4	238	10	48,4	8,6	43,0	372
3	70,9	10,2	18,9	254	11	46,4	8,2	45,3	388
4	66,7	9,6	23,7	270	12	44,5	7,9	47,5	404
5	62,9	9,1	28,0	286	13	42,9	7,6	49,5	420
6	59,6	8,6	31,8	302	14	41,3	7,3	51,4	436
7	56,6	8,2	35,2	318	15	39,8	7,1	53,1	452
8	53,9	7,7	38,3	334	15—34—2	73,2	13,8	13,0	246
9	51,4	7,4	41,1	350	<b>16—2—1</b>	91,4	0,9	7,6	210
10	49,2	7,1	43,7	366	2	85,0	0,9	14,1	226
11	47,1	6,8	46,1	382	3	79,3	0,8	19,8	242
12	45,2	6,5	48,2	398	4	74,4	0,8	24,8	258
13	43,5	6,3	50,2	414	5	70,1	0,7	29,2	274
14	41,8	6,1	52,1	430	6	66,2	0,7	33,1	290
15	40,4	5,8	53,8	446	7	62,8	0,6	36,6	306
16	39,0	5,6	55,4	462	8	59,6	0,6	39,7	322
17	37,6	5,4	56,9	478	9	56,8	0,6	42,6	338
18	36,4	5,3	58,3	494	10	54,2	0,6	45,2	354
<b>15—28—1</b>	80,4	12,5	7,1	224	11	51,9	0,5	47,6	370
2	75,0	11,7	13,3	240	12	49,7	0,5	49,7	386
3	70,3	10,9	18,7	256	13	47,7	0,5	51,7	402
4	66,2	10,3	23,5	272	14	45,9	0,5	53,6	418
5	62,5	9,7	27,8	288	15	44,2	0,5	55,3	434
6	59,2	9,2	31,6	304	16	42,7	0,4	56,9	450
7	56,3	8,7	35,0	320	17	41,2	0,4	58,4	466
8	53,6	8,3	38,1	336	18	39,8	0,4	59,8	482
9	51,1	7,9	40,9	352	<b>16—4—1</b>	90,6	1,9	7,5	212
10	48,9	7,6	43,5	368	2	84,2	1,7	14,0	228
11	46,9	7,3	45,8	384	3	78,7	1,6	19,7	244
12	45,0	7,0	48,0	400	4	73,9	1,5	24,6	260
13	43,3	6,7	50,0	416	5	69,5	1,4	29,0	276
14	41,7	6,5	51,8	432	6	65,7	1,4	32,9	292
15	40,2	6,2	53,6	448	7	62,3	1,3	36,4	308
16	38,8	6,0	55,2	464	8	59,3	1,2	39,5	324
17	37,5	5,8	56,7	480	9	56,5	1,1	42,3	340
<b>15—30—1</b>	79,6	13,2	7,1	226	10	53,9	1,2	44,9	356
2	74,4	12,4	13,2	242	11	51,6	1,1	47,3	372
3	69,8	11,6	18,6	258	12	49,5	1,0	49,5	388
4	65,7	11,9	23,3	274	13	47,5	1,0	51,5	404
5	62,1	10,3	27,6	290	14	45,7	0,9	53,3	420
6	58,8	9,8	31,4	306	15	44,0	0,9	55,0	436
7	55,9	9,3	34,8	322	16	42,5	0,9	56,6	452
8	53,2	8,9	37,9	338	17	41,0	0,9	58,1	468
9	50,8	8,5	40,7	354	18	39,7	0,8	59,5	484
10	48,7	8,1	43,2	370	19	38,4	0,8	60,8	500
11	46,6	7,8	45,6	386	16—6—1	80,7	2,8	7,5	214
12	44,8	7,4	47,8	402	2	83,5	2,6	13,9	230
13	43,1	7,2	49,7	418	3	78,1	2,4	19,5	246
14	41,5	6,9	51,6	434	4	73,3	2,3	24,4	262
15	40,0	6,7	53,3	450	5	69,1	2,1	28,8	278
16	38,6	6,4	54,9	466	6	65,3	2,0	32,7	294

C-H-O	O %	H %	O %	M.G.	C-H-O	O %	H %	O %	M.G.
16-6-7	62,0	1,9	36,1	310	16-12-3	76,2	4,7	19,0	252
8	58,9	1,8	39,3	326	4	71,6	4,5	23,9	268
9	56,1	1,7	42,1	342	5	67,6	4,2	28,2	284
10	53,6	1,7	44,7	358	6	64,0	4,0	32,0	300
11	51,3	1,6	47,1	374	7	60,7	3,8	35,4	316
12	49,2	1,5	49,2	390	8	57,8	3,6	38,6	332
13	47,3	1,5	51,2	406	9	55,2	3,4	41,4	348
14	45,5	1,4	53,1	422	10	52,7	3,3	44,0	364
15	43,8	1,4	54,8	438	11	50,5	3,1	46,3	380
16	42,2	1,3	56,4	454	12	48,5	3,0	48,5	396
17	40,9	1,3	57,8	470	13	46,6	2,9	50,5	412
18	39,5	1,2	59,3	486	14	44,8	2,8	42,4	428
19	38,3	1,2	60,5	502	15	43,2	2,7	54,1	444
20	37,1	1,1	61,8	518	16	41,7	2,6	55,7	460
16-8-1	88,9	3,7	7,4	216	17	40,3	2,5	57,2	476
2	82,7	3,4	13,8	232	18	39,0	2,4	58,5	492
3	77,4	3,2	19,4	248	19	37,8	2,3	59,8	508
4	72,7	3,0	24,3	264	20	36,6	2,3	61,1	524
5	68,6	2,8	28,6	280	21	35,6	2,2	62,2	540
6	64,8	2,7	32,4	296	22	34,5	2,2	63,3	556
7	61,5	2,6	35,9	312	23	33,6	2,1	64,3	572
8	58,6	2,4	39,0	328	16-14-1	86,5	6,3	7,2	222
9	55,8	2,3	41,9	344	2	80,7	5,9	13,4	238
10	53,3	2,2	44,4	360	3	75,6	5,5	18,9	254
11	51,1	2,1	46,8	376	4	71,1	5,2	23,7	270
12	49,0	2,0	49,0	392	5	67,1	4,9	28,0	286
13	47,0	2,0	51,0	408	6	63,6	4,6	31,8	302
14	45,3	1,9	52,8	424	7	60,4	4,4	35,2	318
15	43,6	1,8	54,6	440	8	57,5	4,2	38,3	334
16	42,1	1,7	56,2	456	9	54,8	4,0	41,1	350
17	40,7	1,7	57,6	472	10	52,5	3,8	43,7	366
18	39,4	1,6	59,0	488	11	50,3	3,6	46,1	382
19	38,1	1,6	60,3	504	12	48,2	3,5	48,2	398
20	36,9	1,5	61,6	520	13	46,4	3,4	50,2	414
21	35,8	1,5	62,7	536	14	44,6	3,2	52,1	430
16-10-1	88,1	4,6	7,3	218	15	43,1	3,1	53,8	446
2	82,0	4,3	13,7	234	16	41,6	3,0	55,4	462
3	76,8	4,0	19,2	250	17	40,2	2,9	56,9	478
4	72,2	3,8	24,0	266	18	38,9	2,8	58,3	494
5	68,1	3,5	28,4	282	19	37,7	2,7	59,6	510
6	64,4	3,3	32,2	298	20	36,5	2,7	60,8	526
7	61,1	3,2	35,7	314	21	35,4	2,6	62,0	542
8	58,2	3,0	38,8	330	22	34,4	2,5	63,1	558
9	55,5	2,9	41,6	346	23	33,4	2,4	64,1	574
10	53,0	2,7	44,2	362	24	32,5	2,4	65,1	590
11	50,8	2,6	46,6	378	16-16-1	85,7	7,1	7,1	224
12	48,7	2,5	48,7	394	2	80,0	6,7	13,3	240
13	46,9	2,4	50,7	410	3	75,0	6,2	18,7	256
14	45,1	2,3	52,6	426	4	70,6	5,9	23,5	272
15	43,4	2,6	54,3	442	5	66,7	5,5	27,8	288
16	41,9	2,2	55,9	458	6	63,2	5,2	31,6	304
17	40,5	2,1	57,4	474	7	60,0	5,0	35,0	320
18	39,2	2,0	58,8	490	8	57,1	4,8	38,1	336
19	38,0	2,0	60,0	506	9	54,6	4,5	40,9	352
20	36,8	1,9	61,3	522	10	52,2	4,3	43,5	368
21	35,7	1,8	62,4	538	11	50,0	4,2	45,8	384
22	34,7	1,8	63,5	554	12	48,0	4,0	48,0	400
16-12-1	87,4	5,4	7,2	220	13	46,2	3,8	50,0	416
2	81,4	5,1	13,5	236	14	44,5	3,7	51,8	432

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
16—16—15	42,8	3,6	53,6	448	16—22—2	78,1	8,9	13,0	246
16	41,4	3,4	55,2	464	3	73,3	8,4	18,3	262
17	40,0	3,3	56,7	480	4	69,1	7,9	23,0	278
18	38,7	3,2	58,1	496	5	65,3	7,5	27,2	294
19	37,5	3,1	59,4	512	6	61,9	7,1	31,0	310
20	36,4	3,0	60,6	528	7	58,9	6,7	34,4	326
21	35,3	2,9	61,8	544	8	56,1	6,4	37,4	342
22	34,3	2,8	62,9	560	9	53,6	6,1	40,2	358
23	33,3	2,8	63,9	576	10	51,3	5,9	42,8	374
24	32,4	2,7	64,9	592	11	49,2	5,6	45,1	390
25	31,6	2,6	65,8	608	12	47,3	5,4	47,3	406
16—18—1	85,0	7,9	7,1	226	13	45,5	5,2	49,3	422
2	79,3	7,4	13,2	242	14	43,8	5,0	51,1	438
3	74,4	7,0	18,6	258	15	42,3	4,8	52,9	454
4	70,1	6,5	33,4	274	16	40,9	4,7	54,4	470
5	66,2	6,2	27,6	290	17	39,5	4,5	56,0	486
6	62,7	5,9	31,4	306	18	38,3	4,4	57,3	502
7	59,6	5,6	34,8	322	19	37,1	4,2	58,7	518
8	56,8	5,3	37,9	338	20	36,0	4,1	59,9	534
9	54,2	5,1	40,7	354	21	34,9	4,0	61,1	550
10	51,9	4,8	43,2	370	22	33,9	3,9	62,2	566
11	49,7	4,7	45,6	386	16—24—1	82,8	10,3	6,9	232
12	47,7	4,5	47,7	402	2	77,4	9,7	12,9	248
13	45,9	4,3	49,8	418	3	72,7	9,1	18,2	264
14	44,2	4,1	51,6	434	4	68,6	8,6	22,8	280
15	42,7	4,0	53,3	450	5	64,9	8,1	27,0	296
16	41,2	3,9	54,9	466	6	61,5	7,7	30,8	312
17	39,8	3,7	56,4	482	7	58,5	7,3	34,2	328
18	38,6	3,6	57,8	498	8	55,8	7,0	37,2	344
19	37,3	3,5	59,1	514	9	53,3	6,7	40,0	360
20	36,2	3,4	60,4	530	10	51,1	6,4	42,5	376
21	35,2	3,3	61,5	546	11	49,0	6,1	44,9	392
22	34,2	3,2	62,6	562	12	47,1	5,9	47,0	408
23	33,2	3,1	63,7	578	13	45,3	5,7	49,0	424
24	32,3	3,0	64,6	594	14	43,6	5,4	51,0	440
16—20—1	84,2	8,8	7,0	228	15	42,1	5,2	52,6	456
2	78,7	8,2	13,1	244	16	40,7	5,1	54,2	472
3	73,8	7,7	18,5	260	17	39,3	4,9	55,7	488
4	69,5	7,2	23,2	276	18	38,1	4,7	57,1	504
5	65,8	6,8	27,4	292	19	36,9	4,6	58,5	520
6	62,3	6,5	31,2	308	20	35,8	4,5	59,7	536
7	59,2	6,2	34,6	324	21	34,8	4,3	60,8	552
8	56,4	5,9	37,6	340	16—26—1	82,1	11,1	6,8	234
9	53,9	5,6	40,5	356	2	76,8	10,4	12,8	250
10	51,6	5,4	43,0	372	3	72,2	9,8	18,0	266
11	49,5	5,1	45,4	388	4	68,1	9,2	22,7	282
12	47,5	4,9	47,5	404	5	64,4	8,7	26,8	298
13	45,7	4,7	49,5	420	6	61,1	8,3	30,6	314
14	44,0	4,6	51,4	436	7	58,2	7,9	33,9	330
15	42,5	4,4	53,1	452	8	55,5	7,5	37,0	346
16	41,0	4,3	54,7	468	9	53,0	7,2	39,8	362
17	39,7	4,1	56,2	484	10	50,8	6,9	42,3	378
18	38,4	4,0	57,6	500	11	48,7	6,6	44,7	394
19	37,2	3,9	58,9	516	12	46,8	6,3	46,8	410
20	36,1	3,7	60,2	532	13	45,1	6,1	48,8	426
21	35,0	3,6	61,3	548	14	43,4	5,9	50,8	442
22	34,0	3,5	62,4	564	15	41,9	5,6	52,4	458
23	33,1	3,4	63,4	580	16	40,5	5,5	54,0	474
16—22—1	83,5	9,6	6,9	230	17	39,2	5,3	55,5	490

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>16—26—18</b>	38.0	5.1	56.9	506	<b>16—34—3</b>	70.1	12.4	17.5	274
<b>19</b>	36.8	5.0	58.2	522	<b>4</b>	66.2	11.7	22.1	290
<b>20</b>	35.7	4.8	59.5	538	<b>5</b>	62.7	11.1	26.1	306
<b>16—28—1</b>	81.4	11.8	6.8	236	<b>6</b>	59.6	10.6	29.8	322
<b>2</b>	76.2	11.1	12.7	252	<b>7</b>	56.8	10.0	33.1	338
<b>3</b>	71.6	10.4	17.9	268	<b>8</b>	54.2	9.6	36.2	354
<b>4</b>	67.6	9.8	22.5	284	<b>9</b>	51.9	9.2	38.9	370
<b>5</b>	64.0	9.3	26.7	300	<b>10</b>	49.7	8.8	41.4	386
<b>6</b>	60.8	8.8	30.4	316	<b>11</b>	47.7	8.4	43.8	402
<b>7</b>	57.8	8.4	33.7	332	<b>12</b>	45.9	8.1	45.9	418
<b>8</b>	55.1	8.0	36.8	348	<b>13</b>	44.2	7.8	47.9	434
<b>9</b>	52.7	7.7	39.6	364	<b>14</b>	42.7	7.6	49.7	450
<b>10</b>	50.5	7.4	42.1	380	<b>15</b>	41.2	7.3	51.5	466
<b>11</b>	48.5	7.1	44.4	396	<b>16</b>	39.8	7.0	53.1	482
<b>12</b>	46.6	6.8	46.6	412	<b>17—2—1</b>	91.9	0.9	7.2	222
<b>13</b>	44.9	6.5	48.6	428	<b>2</b>	85.7	0.8	13.4	238
<b>14</b>	43.6	6.4	50.9	444	<b>3</b>	80.3	0.8	18.9	254
<b>15</b>	41.7	6.1	52.2	460	<b>4</b>	75.5	0.7	23.7	270
<b>16</b>	40.3	5.9	53.8	476	<b>5</b>	71.3	0.7	28.0	286
<b>17</b>	39.0	5.7	55.3	492	<b>6</b>	67.6	0.6	31.8	302
<b>18</b>	37.8	5.5	56.7	508	<b>7</b>	64.2	0.6	35.2	318
<b>19</b>	36.6	5.3	58.0	524	<b>8</b>	61.1	0.6	38.3	334
<b>16—30—1</b>	80.7	12.6	6.7	238	<b>9</b>	58.3	0.6	41.1	350
<b>2</b>	75.6	8.3	8.3	251	<b>10</b>	55.7	0.5	43.7	366
<b>3</b>	71.1	11.1	17.8	270	<b>11</b>	53.4	0.5	46.1	382
<b>4</b>	67.1	10.5	22.4	286	<b>12</b>	51.3	0.5	48.2	398
<b>5</b>	63.6	9.9	26.5	302	<b>13</b>	49.3	0.5	50.2	414
<b>6</b>	60.4	9.4	30.2	318	<b>14</b>	47.4	0.5	52.1	430
<b>7</b>	57.5	9.0	33.5	334	<b>15</b>	45.7	0.4	53.8	446
<b>8</b>	54.8	8.6	36.6	350	<b>16</b>	44.2	0.4	55.4	462
<b>9</b>	52.4	8.2	39.3	366	<b>17</b>	42.7	0.4	56.9	478
<b>10</b>	50.3	7.8	41.9	382	<b>18</b>	41.3	0.4	58.3	494
<b>11</b>	48.2	7.5	44.2	398	<b>19</b>	40.0	0.4	59.6	510
<b>12</b>	46.4	7.2	46.4	414	<b>17—4—1</b>	91.1	1.8	7.1	224
<b>13</b>	44.6	7.0	48.4	430	<b>2</b>	85.0	1.7	13.3	240
<b>14</b>	43.0	6.7	50.2	446	<b>3</b>	79.7	1.6	18.7	256
<b>15</b>	41.6	6.5	51.9	462	<b>4</b>	75.0	1.5	23.5	272
<b>16</b>	40.2	6.3	53.5	478	<b>5</b>	70.8	1.4	27.8	288
<b>17</b>	38.9	6.0	55.1	494	<b>6</b>	67.1	1.3	31.6	304
<b>18</b>	37.6	5.9	56.5	510	<b>7</b>	63.8	1.2	35.0	320
<b>16—32—1</b>	80.3	13.3	6.7	240	<b>8</b>	60.7	1.2	38.1	336
<b>2</b>	75.0	12.5	12.5	256	<b>9</b>	58.0	1.1	40.9	352
<b>3</b>	70.6	11.7	17.7	272	<b>10</b>	55.4	1.1	43.5	368
<b>4</b>	66.7	11.1	22.2	288	<b>11</b>	53.1	1.0	45.8	384
<b>5</b>	63.2	10.5	26.3	304	<b>12</b>	51.1	1.0	48.0	400
<b>6</b>	60.0	10.0	30.0	320	<b>13</b>	49.0	0.9	50.0	416
<b>7</b>	57.1	9.5	33.3	336	<b>14</b>	47.2	0.9	51.8	432
<b>8</b>	54.5	9.1	36.4	352	<b>15</b>	45.5	0.9	53.6	448
<b>9</b>	52.2	8.7	39.1	368	<b>16</b>	44.0	0.8	45.2	464
<b>10</b>	50.0	8.3	41.7	384	<b>17</b>	42.5	0.8	56.7	480
<b>11</b>	48.0	8.0	44.0	400	<b>18</b>	41.1	0.8	58.1	496
<b>12</b>	46.2	7.7	46.1	416	<b>19</b>	39.8	0.8	59.4	512
<b>13</b>	44.4	7.4	48.2	432	<b>20</b>	38.6	0.8	60.6	528
<b>14</b>	42.9	7.1	50.0	448	<b>17—6—1</b>	90.3	2.6	7.1	226
<b>15</b>	41.4	6.9	51.7	464	<b>2</b>	84.3	2.5	13.2	242
<b>16</b>	40.0	6.7	53.3	480	<b>3</b>	79.1	2.3	18.6	258
<b>17</b>	38.7	6.5	54.8	496	<b>4</b>	74.5	2.2	23.3	274
<b>16—34—1</b>	79.3	14.0	6.6	242	<b>5</b>	70.4	2.0	27.6	290
<b>2</b>	74.4	13.2	12.4	258	<b>6</b>	66.7	1.9	31.4	306

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>17—6—7</b>	63,3	1,8	34,8	322	<b>17—10—23</b>	35,1	1,7	63,2	582
<b>8</b>	60,3	1,8	37,9	338	<b>17—12—1</b>	88,0	5,1	6,9	232
<b>9</b>	57,6	1,7	40,7	354	<b>2</b>	82,2	4,8	12,9	248
<b>10</b>	55,1	1,6	43,2	370	<b>3</b>	77,3	4,5	18,2	264
<b>11</b>	52,8	1,5	45,6	366	<b>4</b>	72,9	4,3	22,8	280
<b>12</b>	50,7	1,5	47,7	402	<b>5</b>	68,9	4,0	27,0	296
<b>13</b>	48,8	1,4	49,8	418	<b>6</b>	65,4	3,8	30,8	312
<b>14</b>	47,0	1,4	51,6	434	<b>7</b>	62,2	3,6	34,2	328
<b>15</b>	45,3	1,3	53,3	450	<b>8</b>	59,3	3,5	37,2	344
<b>16</b>	43,8	1,3	54,9	466	<b>9</b>	56,7	3,3	40,0	360
<b>17</b>	42,3	1,2	56,4	482	<b>10</b>	54,3	3,2	42,5	376
<b>18</b>	41,0	1,2	57,8	498	<b>11</b>	52,0	3,1	44,9	392
<b>19</b>	39,7	1,1	59,1	514	<b>12</b>	50,0	2,9	47,1	408
<b>20</b>	38,5	1,1	60,4	530	<b>13</b>	48,1	2,8	49,1	424
<b>21</b>	37,4	1,1	61,5	546	<b>14</b>	46,4	2,7	50,9	440
<b>17—8—1</b>	89,5	3,5	7,0	228	<b>15</b>	44,7	2,6	52,6	456
<b>2</b>	83,6	3,2	13,1	244	<b>16</b>	43,2	2,5	54,2	472
<b>3</b>	78,5	3,0	18,5	260	<b>17</b>	41,8	2,4	55,7	488
<b>4</b>	73,9	2,9	23,2	276	<b>18</b>	40,5	2,4	57,1	504
<b>5</b>	69,8	2,7	27,4	292	<b>19</b>	39,2	2,3	58,5	520
<b>6</b>	66,2	2,5	31,2	308	<b>20</b>	38,1	2,2	59,7	536
<b>7</b>	63,0	2,5	34,5	324	<b>21</b>	37,0	2,1	60,9	552
<b>8</b>	60,0	2,3	37,6	340	<b>22</b>	35,9	2,1	62,0	568
<b>9</b>	57,3	2,2	40,5	356	<b>23</b>	34,9	2,0	63,0	584
<b>10</b>	54,8	2,1	43,0	372	<b>24</b>	34,0	2,0	64,0	600
<b>11</b>	52,6	2,0	42,4	388	<b>17—14—1</b>	87,2	6,0	6,8	234
<b>12</b>	50,5	2,0	47,5	404	<b>2</b>	81,6	5,6	12,8	250
<b>13</b>	48,6	1,9	49,5	420	<b>3</b>	76,7	5,2	18,1	266
<b>14</b>	46,8	1,8	51,4	436	<b>4</b>	72,3	4,9	22,7	282
<b>15</b>	45,1	1,7	53,1	452	<b>5</b>	68,4	4,7	26,8	298
<b>16</b>	43,6	1,7	54,7	468	<b>6</b>	65,0	4,4	30,6	314
<b>17</b>	42,1	1,6	56,2	484	<b>7</b>	61,8	4,2	33,9	330
<b>18</b>	40,8	1,6	57,6	500	<b>8</b>	59,0	4,0	37,0	346
<b>19</b>	39,5	1,5	58,9	516	<b>9</b>	56,3	3,8	39,8	362
<b>20</b>	38,3	1,5	60,1	532	<b>10</b>	54,0	3,7	42,3	378
<b>21</b>	37,2	1,5	61,3	548	<b>11</b>	51,8	3,5	44,7	394
<b>22</b>	36,2	1,4	62,4	564	<b>12</b>	49,7	3,4	46,8	410
<b>17—10—1</b>	88,7	4,3	6,9	230	<b>13</b>	47,9	3,3	48,8	426
<b>2</b>	82,9	4,0	13,0	246	<b>14</b>	46,1	3,2	50,7	442
<b>3</b>	77,9	3,8	18,3	262	<b>15</b>	44,5	3,1	52,4	458
<b>4</b>	73,4	3,6	23,0	278	<b>16</b>	43,0	3,0	54,0	474
<b>5</b>	69,4	3,4	27,2	294	<b>17</b>	41,6	2,8	55,5	490
<b>6</b>	65,8	3,2	31,0	310	<b>18</b>	40,3	2,7	56,9	506
<b>7</b>	62,6	3,0	34,3	326	<b>19</b>	39,1	2,7	58,2	522
<b>8</b>	59,6	2,9	37,4	342	<b>20</b>	37,9	2,6	59,5	538
<b>9</b>	57,0	2,8	40,2	358	<b>21</b>	36,8	2,5	60,6	554
<b>10</b>	54,5	2,7	42,8	374	<b>22</b>	35,8	2,4	61,7	570
<b>11</b>	52,3	2,6	45,1	390	<b>23</b>	34,8	2,4	62,8	586
<b>12</b>	50,3	2,4	47,3	406	<b>24</b>	33,9	2,3	63,8	602
<b>13</b>	48,3	2,3	49,3	422	<b>25</b>	33,0	2,3	64,7	618
<b>14</b>	46,6	2,3	51,1	438	<b>17—16—1</b>	86,4	6,8	6,8	236
<b>15</b>	44,9	2,2	52,9	454	<b>2</b>	81,0	6,3	12,7	252
<b>16</b>	43,4	2,1	54,5	470	<b>3</b>	76,1	6,0	17,9	268
<b>17</b>	42,0	2,0	56,0	486	<b>4</b>	71,8	5,6	22,5	284
<b>18</b>	40,6	2,0	57,4	502	<b>5</b>	68,0	5,3	26,7	300
<b>19</b>	39,4	1,9	58,7	518	<b>6</b>	64,5	5,0	30,4	316
<b>20</b>	38,2	1,9	59,9	534	<b>7</b>	61,4	4,8	33,7	332
<b>21</b>	37,1	1,8	61,1	550	<b>8</b>	58,6	4,6	36,8	348
<b>22</b>	36,0	1,8	62,2	566	<b>9</b>	56,0	4,4	39,6	364

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>17—16—10</b>	53,7	4,2	42,1	380	<b>17—20—17</b>	41,1	4,0	54,8	496
11	51,5	4,0	44,4	396	18	39,8	3,9	56,2	512
12	49,5	3,9	46,6	412	19	38,6	3,8	57,6	528
13	47,7	3,7	48,6	428	20	37,5	3,7	58,8	544
14	45,9	3,6	50,5	444	21	36,4	3,6	60,0	560
15	44,3	3,5	52,2	460	22	35,4	3,5	61,1	576
16	42,8	3,3	53,8	476	23	34,4	3,4	62,2	592
17	41,5	3,2	55,3	492	24	33,5	3,3	63,1	608
18	40,2	3,1	56,7	508	25	32,7	3,2	64,1	624
19	38,9	3,0	58,0	524	<b>17—22—1</b>	84,3	9,1	6,6	242
20	37,8	2,9	59,2	540	2	79,1	8,5	12,4	258
21	36,7	2,9	60,4	556	3	74,4	8,0	17,5	274
22	35,7	2,8	61,6	572	4	70,3	7,6	22,1	290
23	34,7	2,7	62,6	588	5	66,7	7,2	26,1	306
24	33,8	2,6	63,6	604	6	63,3	6,8	29,8	322
25	32,9	2,6	64,4	620	7	60,4	6,5	33,1	338
26	32,1	2,5	65,4	636	8	57,6	6,2	36,2	354
<b>17—18—1</b>	85,7	7,5	6,7	238	9	55,1	5,9	38,9	370
2	80,3	7,1	12,6	254	10	52,8	5,7	41,4	386
3	75,6	6,6	17,8	270	11	50,7	5,5	43,8	402
4	71,3	6,3	22,4	286	12	48,8	5,2	45,9	418
5	67,6	5,9	26,5	302	13	47,0	5,0	47,9	434
6	64,2	5,6	30,2	318	14	45,3	4,9	49,8	450
7	61,1	5,4	33,5	334	15	43,8	4,7	51,5	466
8	58,3	5,1	36,6	350	16	42,3	4,5	53,1	482
9	55,7	4,9	39,3	366	17	41,0	4,4	54,6	498
10	53,4	4,7	41,9	382	18	39,7	4,3	56,0	514
11	51,2	4,5	44,2	398	19	38,5	4,1	57,3	530
12	49,3	4,3	46,4	414	20	37,4	4,0	58,6	546
13	47,4	4,2	48,4	430	21	36,3	3,9	59,8	562
14	45,7	4,0	50,2	446	22	35,3	3,8	60,9	578
15	44,2	3,9	51,9	462	23	34,3	3,7	62,0	594
16	42,7	3,7	53,5	478	24	33,4	3,6	62,9	610
17	41,3	3,6	55,1	494	<b>17—24—1</b>	83,6	9,8	6,5	244
18	40,0	3,5	56,5	510	2	78,5	9,2	12,3	260
19	38,8	3,4	57,8	526	3	73,9	8,7	17,4	276
20	37,6	3,3	59,0	542	4	69,9	8,2	21,9	292
21	36,6	3,2	60,2	558	5	66,2	7,8	26,0	308
22	35,5	3,1	61,3	574	6	62,9	7,4	29,6	324
23	34,6	3,0	62,4	590	7	60,0	7,1	32,9	340
24	33,7	3,0	63,3	606	8	57,3	6,7	36,0	356
25	32,8	2,9	64,3	622	9	54,8	6,4	38,7	372
26	32,0	2,8	65,2	638	10	52,6	6,2	41,2	388
<b>17—20—1</b>	85,0	8,3	6,7	240	11	50,5	5,9	43,6	404
2	79,7	7,8	12,5	256	12	48,6	5,7	45,7	420
3	75,0	7,3	17,7	272	13	46,8	5,5	47,7	436
4	70,8	6,9	22,2	288	14	45,1	5,3	49,6	452
5	67,1	6,6	26,3	304	15	43,6	5,1	51,3	468
6	63,7	6,2	30,0	320	16	42,1	4,9	53,0	484
7	60,7	5,9	33,3	336	17	40,8	4,8	54,4	500
8	58,0	5,7	36,3	352	18	39,5	4,6	55,8	516
9	55,4	5,4	39,1	368	19	38,3	4,5	57,1	532
10	53,1	5,2	41,7	384	20	37,2	4,4	58,4	548
11	51,0	5,0	44,0	400	21	36,2	4,2	59,6	564
12	49,0	4,8	46,2	416	22	35,2	4,1	60,7	580
13	47,2	4,6	48,2	432	23	34,2	4,0	61,8	596
14	45,5	4,4	50,0	448	<b>17—26—1</b>	82,9	10,6	6,5	246
15	41,0	4,3	51,7	464	2	77,9	9,9	12,2	262
16	42,5	4,2	53,3	480	3	73,4	9,3	17,3	278

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>17—26—4</b>	69,4	8,8	21,8	294	<b>17—30—20</b>	36,8	5,4	57,8	554
5	65,8	8,4	25,8	310	<b>17—32—1</b>	81,0	12,7	6,3	252
6	62,6	8,0	29,4	326	2	76,1	11,9	11,9	268
7	59,6	7,6	32,8	342	3	71,8	11,6	16,9	284
8	57,0	7,2	35,8	358	4	68,0	10,7	21,3	300
9	54,6	6,9	38,5	374	5	64,6	10,1	25,3	316
10	52,3	6,7	41,0	390	6	61,4	9,6	28,9	332
11	50,2	6,4	43,3	406	7	58,6	9,2	32,2	348
12	48,3	6,2	45,5	422	8	56,0	8,8	35,2	364
13	46,6	5,9	47,5	438	9	53,7	8,4	37,9	380
14	44,9	5,7	49,3	454	10	51,5	8,1	40,4	396
15	43,4	5,5	51,0	470	11	49,5	7,7	42,7	412
16	42,0	5,3	52,7	486	12	47,7	7,5	44,8	428
17	40,6	5,2	54,2	502	13	45,9	7,2	46,9	444
18	39,4	5,0	55,6	518	14	44,3	6,9	48,7	460
19	38,2	4,9	56,9	534	15	42,8	6,7	50,4	476
20	37,1	4,7	58,2	550	16	41,4	6,5	52,0	492
21	36,0	4,6	59,4	566	17	40,2	6,3	53,5	508
22	35,0	4,5	60,5	582	18	39,0	6,1	54,9	524
<b>17—28—1</b>	82,2	11,3	6,4	248	19	37,8	5,9	56,3	540
2	77,3	10,6	12,1	264	<b>17—34—1</b>	80,3	13,4	6,3	254
3	72,8	10,0	17,2	280	2	75,6	12,6	11,8	270
4	68,9	9,5	21,6	296	3	71,3	11,9	16,8	286
5	65,4	9,0	25,6	312	4	67,6	11,2	21,2	302
6	62,2	8,5	29,3	328	5	64,2	10,7	25,1	318
7	59,3	8,1	32,6	344	6	61,1	10,2	28,7	334
8	56,7	7,8	35,5	360	7	58,3	9,7	32,0	350
9	54,2	7,4	38,3	376	8	55,7	9,3	35,0	366
10	52,0	7,1	40,8	392	9	53,4	8,9	37,7	382
11	50,0	6,9	43,1	408	10	51,3	8,5	40,2	398
12	48,1	6,6	45,3	424	11	49,3	8,2	42,5	414
13	46,4	6,3	47,3	440	12	47,4	7,9	44,7	430
14	44,7	6,1	49,1	456	13	45,7	7,6	46,6	446
15	43,2	5,9	50,9	472	14	44,2	7,3	48,5	462
16	41,8	5,7	52,4	488	15	42,7	7,1	50,2	478
17	40,5	5,6	53,9	504	16	41,3	6,9	51,8	494
18	39,2	5,4	55,4	520	17	40,0	6,7	53,3	510
19	38,1	5,2	56,7	536	18	38,8	6,5	54,7	526
20	37,0	5,0	58,0	552	<b>17—38—1</b>	79,7	14,1	6,2	256
21	35,9	4,9	59,2	568	2	75,0	13,2	11,8	272
<b>17—30—1</b>	81,6	12,0	6,4	250	3	70,8	12,5	16,7	288
2	76,7	11,3	12,0	266	4	67,2	11,8	21,0	304
3	72,3	10,6	17,0	282	5	63,8	11,2	25,0	320
4	68,5	10,0	21,5	298	6	60,7	10,7	28,6	336
5	65,0	9,5	25,5	314	7	58,0	10,2	31,8	352
6	61,8	9,1	29,1	330	8	55,4	9,8	34,8	368
7	59,0	8,7	32,3	346	9	53,1	9,4	37,5	384
8	56,4	8,3	35,3	362	10	51,0	9,0	40,0	400
9	54,0	7,9	38,1	378	11	49,0	8,6	42,3	416
10	51,8	7,6	40,6	394	12	47,2	8,3	44,5	432
11	49,8	7,3	42,9	410	13	45,5	8,0	46,4	448
12	47,9	7,0	45,1	426	14	44,0	7,8	48,2	464
13	46,1	6,8	47,1	442	15	42,5	7,5	50,0	480
14	44,5	6,5	48,9	458	16	41,1	7,2	51,6	496
15	43,0	6,3	50,6	474	17	39,8	7,0	53,2	512
16	41,6	6,1	52,2	490	2	86,4	0,8	12,8	250
17	40,3	5,9	53,8	506	3	81,2	0,7	18,1	266
18	39,1	5,7	55,2	522	4	76,6	0,7	22,7	282
19	37,9	5,6	56,5	538					

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
18—2—5	72,5	0,7	26,8	298	18—6—21	38,7	1,1	60,2	558
6	68,8	0,6	30,6	314	22	37,6	1,0	61,3	574
7	65,5	0,6	33,9	330	18—8—1	90,0	3,3	6,7	240
8	62,4	0,6	37,0	346	2	84,4	3,1	12,5	256
9	59,7	0,5	39,8	362	3	79,4	2,9	17,7	272
10	57,2	0,5	42,3	378	4	75,0	2,8	22,2	288
11	54,8	0,5	44,7	394	5	71,0	2,6	26,3	304
12	52,7	0,5	46,8	410	6	67,5	2,5	30,0	320
13	50,7	0,5	48,8	426	7	64,3	2,4	33,3	336
14	48,8	0,5	50,7	442	8	61,3	2,3	36,4	352
15	47,2	0,4	52,4	458	9	58,7	2,2	39,1	368
16	45,5	0,4	54,0	474	10	56,3	2,0	41,7	384
17	44,1	0,4	55,5	490	11	54,0	2,0	44,0	400
18	42,7	0,4	56,9	506	12	51,9	1,9	46,1	416
19	41,4	0,4	58,2	522	13	50,0	1,8	48,2	432
20	40,1	0,4	59,5	538	14	48,2	1,8	50,0	448
21	39,0	0,4	60,8	554	15	46,6	1,7	51,7	464
22	37,9	0,3	61,7	570	16	45,0	1,7	53,3	480
18—4—1	91,5	1,7	6,8	236	17	43,5	1,6	54,8	496
2	85,7	1,6	12,7	252	18	42,2	1,5	56,2	512
3	80,6	1,5	17,9	268	19	40,9	1,5	57,6	528
4	76,0	1,4	22,5	284	20	39,7	1,5	58,8	544
5	72,0	1,3	26,7	300	21	38,6	1,4	60,0	560
6	68,3	1,2	30,4	316	22	37,5	1,4	61,1	576
7	65,1	1,2	33,7	332	23	36,5	1,4	62,1	592
8	62,0	1,1	36,8	348	18—10—1	89,3	4,1	6,6	242
9	59,4	1,1	39,5	364	2	83,7	3,9	12,4	258
10	56,8	1,0	42,1	380	3	78,8	3,6	17,5	274
11	54,5	1,0	44,4	396	4	74,5	3,4	22,1	290
12	52,4	1,0	46,6	412	5	70,6	3,2	26,1	306
13	50,5	0,9	48,6	428	6	67,1	3,1	29,8	322
14	48,6	0,9	50,4	444	7	63,9	2,9	33,1	338
15	47,0	0,8	52,2	460	8	61,0	2,8	36,2	354
16	45,4	0,8	53,8	476	9	58,4	2,7	38,9	370
17	43,9	0,8	55,3	492	10	56,0	2,6	41,4	386
18	42,5	0,8	56,7	508	11	53,7	2,5	43,8	402
19	41,2	0,7	58,0	524	12	51,7	2,4	45,9	418
20	40,0	0,7	59,3	540	13	49,7	2,3	47,9	434
21	38,9	0,7	60,4	556	14	48,0	2,2	49,8	450
18—6—1	90,8	2,5	6,7	238	15	46,4	2,1	51,5	466
2	85,0	2,3	12,6	254	16	44,8	2,1	53,1	482
3	80,0	2,2	17,8	270	17	43,4	2,0	54,6	498
4	75,5	2,1	22,4	286	18	42,1	1,9	56,0	514
5	71,5	2,0	26,5	302	19	40,7	1,9	57,4	530
6	67,9	1,9	30,2	318	20	39,6	1,8	58,6	546
7	64,7	1,8	33,5	334	21	38,4	1,8	59,8	562
8	61,7	1,7	36,5	350	22	37,4	1,7	60,9	578
9	59,0	1,6	39,4	366	23	36,4	1,7	61,9	594
10	56,5	1,6	41,9	382	24	35,4	1,6	62,9	610
11	54,3	1,5	44,2	398	2	33,1	4,6	12,3	260
12	52,2	1,4	46,4	414	3	78,3	4,3	17,4	276
13	50,2	1,4	48,4	430	4	74,0	4,1	21,9	292
14	48,4	1,3	50,2	446	5	70,1	3,9	26,0	308
15	46,8	1,3	51,9	462	6	66,7	3,7	29,6	324
16	45,2	1,2	53,6	478	7	63,5	3,5	32,9	340
17	43,7	1,2	55,1	494	8	60,7	3,3	36,0	356
18	42,3	1,2	56,5	510	9	58,1	3,2	38,7	372
19	41,1	1,1	57,8	526	10	55,7	3,1	41,2	388
20	39,9	1,1	59,0	542					

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>18—12—11</b>	53,4	3,0	43,6	404	<b>18—16—19</b>	40,3	3,0	56,7	536
<b>12</b>	51,4	2,9	45,7	420	<b>20</b>	39,1	2,9	58,0	552
<b>13</b>	49,5	2,7	47,7	436	<b>21</b>	38,0	2,8	59,2	568
<b>14</b>	47,8	2,6	49,6	452	<b>22</b>	37,0	2,7	60,3	584
<b>15</b>	46,1	2,6	51,3	468	<b>23</b>	36,0	2,7	61,3	600
<b>16</b>	44,6	2,5	52,9	484	<b>24</b>	35,0	2,6	62,3	616
<b>17</b>	43,2	2,4	54,4	500	<b>25</b>	34,2	2,5	63,3	632
<b>18</b>	41,9	2,3	55,8	516	<b>26</b>	33,3	2,4	64,2	648
<b>19</b>	40,6	2,2	57,1	532	<b>27</b>	32,5	2,4	65,1	664
<b>20</b>	39,4	2,2	58,4	548	<b>18—18—1</b>	86,4	7,2	6,4	250
<b>21</b>	38,3	2,1	59,6	564	<b>2</b>	81,2	6,7	12,0	266
<b>22</b>	37,2	2,0	60,7	580	<b>3</b>	76,6	6,4	17,0	282
<b>23</b>	36,2	2,0	61,8	596	<b>4</b>	72,5	6,0	21,5	298
<b>24</b>	35,3	1,9	62,8	612	<b>5</b>	68,8	5,7	25,5	314
<b>25</b>	34,4	1,9	63,7	628	<b>6</b>	65,5	5,4	29,1	330
<b>18—14—1</b>	57,8	5,7	6,5	246	<b>7</b>	62,4	5,2	32,4	346
<b>2</b>	52,4	5,3	12,2	262	<b>8</b>	59,7	5,0	35,3	362
<b>3</b>	77,7	5,0	17,3	278	<b>9</b>	57,1	4,8	38,1	378
<b>4</b>	73,5	4,7	21,8	294	<b>10</b>	54,8	4,5	40,6	394
<b>5</b>	69,7	4,5	25,8	310	<b>11</b>	52,7	4,4	42,9	410
<b>6</b>	66,3	4,3	29,4	326	<b>12</b>	50,7	4,2	45,1	426
<b>7</b>	63,2	4,1	32,7	342	<b>13</b>	48,9	4,1	47,0	442
<b>8</b>	60,3	3,9	35,8	358	<b>14</b>	47,1	3,9	48,9	458
<b>9</b>	57,8	3,7	35,5	374	<b>15</b>	45,6	3,8	50,6	474
<b>10</b>	55,4	3,6	41,0	390	<b>16</b>	44,1	3,7	52,2	490
<b>11</b>	53,2	3,4	43,4	406	<b>17</b>	42,7	3,5	53,8	506
<b>12</b>	51,2	3,3	45,5	422	<b>18</b>	41,4	3,4	55,2	522
<b>13</b>	49,3	3,2	47,5	438	<b>19</b>	40,1	3,3	56,5	538
<b>14</b>	47,6	3,1	49,3	454	<b>20</b>	39,0	3,2	57,8	554
<b>15</b>	45,9	3,0	51,1	470	<b>21</b>	37,9	3,1	59,0	570
<b>16</b>	44,4	2,9	52,7	486	<b>22</b>	36,8	3,1	60,1	586
<b>17</b>	43,1	2,8	54,1	502	<b>23</b>	35,9	3,0	61,1	602
<b>18</b>	41,7	2,7	55,6	518	<b>24</b>	35,0	2,9	62,1	618
<b>19</b>	40,4	2,6	56,9	534	<b>25</b>	34,1	2,8	63,1	634
<b>20</b>	39,3	2,5	58,2	550	<b>26</b>	33,2	2,7	64,0	650
<b>21</b>	38,2	2,4	59,4	566	<b>27</b>	32,4	2,7	64,9	666
<b>22</b>	37,1	2,4	60,5	582	<b>28</b>	31,7	2,6	65,7	682
<b>23</b>	36,1	2,3	61,5	598	<b>18—20—1</b>	85,7	7,9	6,3	252
<b>24</b>	35,2	2,3	62,5	614	<b>2</b>	80,6	7,4	11,9	268
<b>25</b>	34,3	2,2	63,5	630	<b>3</b>	76,1	7,0	16,9	284
<b>26</b>	33,4	2,1	64,4	646	<b>4</b>	72,0	6,7	21,3	300
<b>18—16—1</b>	87,1	6,4	6,4	248	<b>5</b>	68,4	6,3	23,3	316
<b>2</b>	81,8	6,0	12,1	264	<b>6</b>	65,1	6,0	28,9	332
<b>3</b>	77,1	5,7	17,1	280	<b>7</b>	62,1	5,7	32,2	348
<b>4</b>	72,9	5,4	21,6	296	<b>8</b>	59,3	5,5	35,2	364
<b>5</b>	69,2	5,1	25,6	312	<b>9</b>	56,8	5,2	37,9	380
<b>6</b>	65,8	4,9	29,2	328	<b>10</b>	54,5	5,0	40,4	396
<b>7</b>	62,8	4,6	32,6	344	<b>11</b>	52,4	4,8	42,7	412
<b>8</b>	60,0	4,4	35,6	360	<b>12</b>	50,5	4,7	44,8	428
<b>9</b>	57,4	4,2	38,3	376	<b>13</b>	48,6	4,5	46,8	444
<b>10</b>	55,1	4,1	40,8	392	<b>14</b>	46,9	4,3	48,7	460
<b>11</b>	52,9	3,9	43,1	408	<b>15</b>	45,4	4,2	50,4	476
<b>12</b>	50,9	3,8	45,3	424	<b>16</b>	43,9	4,0	52,0	492
<b>13</b>	49,1	3,6	47,3	440	<b>17</b>	42,5	3,9	53,5	508
<b>14</b>	47,4	3,5	49,1	456	<b>18</b>	41,2	3,8	55,0	524
<b>15</b>	45,8	3,4	50,8	472	<b>19</b>	40,0	3,7	56,3	540
<b>16</b>	44,2	3,3	52,5	488	<b>20</b>	38,8	3,6	57,5	556
<b>17</b>	42,9	3,2	53,9	504	<b>21</b>	37,8	3,5	58,7	572
<b>18</b>	41,5	3,1	55,4	520	<b>22</b>	36,7	3,4	59,8	588

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>18—20—23</b>	35,8	3,3	60,9	604	<b>18—26—4</b>	70,6	8,5	20,9	306
24	34,8	3,2	61,9	620	5	67,1	8,0	24,8	322
25	34,0	3,1	62,9	636	6	63,9	7,7	28,4	338
26	33,1	3,0	63,8	652	7	61,0	7,3	31,6	354
27	32,3	3,0	64,7	668	8	58,4	7,0	34,6	370
<b>18—22—1</b>	85,0	8,6	6,3	254	9	56,0	6,7	37,3	386
2	80,0	8,1	11,9	270	10	53,7	6,5	39,8	402
3	75,5	7,7	16,8	286	11	51,7	6,2	42,1	418
4	71,5	7,3	21,2	302	12	49,8	6,0	44,2	434
5	67,9	6,9	25,2	318	13	48,0	5,8	40,2	450
6	64,7	6,6	28,7	334	14	46,4	5,6	48,0	466
7	61,7	6,3	32,0	350	15	44,8	5,4	49,8	482
8	59,0	6,0	35,0	366	16	43,4	5,2	51,4	498
9	56,5	5,7	37,7	382	17	42,0	5,0	52,9	514
10	54,3	5,5	40,2	398	18	40,8	4,9	54,3	530
11	52,2	5,3	42,5	414	19	39,6	4,7	55,7	546
12	50,2	5,1	44,7	430	20	38,4	4,6	56,9	562
13	48,4	4,9	46,6	446	21	37,4	4,5	58,1	578
14	46,8	4,7	48,5	462	22	36,4	4,4	59,2	594
15	45,2	4,6	50,2	478	23	35,4	4,2	60,3	610
16	43,7	4,4	51,8	494	24	34,5	4,1	61,4	626
17	42,3	4,3	53,3	510	<b>18—28—1</b>	83,1	10,8	6,1	280
18	41,1	4,2	54,7	526	2	78,2	10,1	11,6	276
19	39,8	4,0	56,1	542	3	74,0	9,6	16,4	292
20	38,7	3,9	57,3	558	4	70,1	9,1	20,8	308
21	37,6	3,8	58,5	574	5	66,7	8,6	24,7	324
22	36,6	3,7	59,7	590	6	63,5	8,2	28,2	340
23	35,6	3,6	60,8	606	7	60,7	7,8	31,4	356
24	34,7	3,5	61,7	622	8	58,0	7,5	35,4	372
25	33,9	3,4	62,7	638	9	55,7	7,2	37,1	388
26	33,0	3,3	63,6	654	10	53,5	6,9	39,6	404
<b>18—24—1</b>	64,4	9,4	6,2	256	11	51,4	6,7	41,9	420
2	79,4	8,8	11,8	272	12	49,5	6,4	44,0	436
3	75,0	8,3	16,7	288	13	47,8	6,2	46,0	452
4	71,1	7,9	21,0	304	14	46,1	6,0	47,9	468
5	67,5	7,5	25,0	320	15	44,6	5,8	49,6	484
6	64,3	7,1	28,6	336	16	43,2	5,6	51,2	500
7	61,4	6,8	31,8	352	17	41,9	5,4	52,7	516
8	58,7	6,5	34,8	368	18	40,6	5,2	54,1	532
9	56,3	6,2	37,5	384	19	39,4	5,1	55,5	548
10	54,0	6,0	40,0	400	20	38,3	4,9	56,7	564
11	51,9	5,8	42,3	416	21	37,2	4,8	57,9	580
12	50,0	5,6	44,4	432	22	36,2	4,7	59,1	596
13	48,2	5,3	46,4	448	23	35,3	4,6	60,1	612
14	46,5	5,2	48,3	464	<b>18—30—1</b>	82,4	11,4	6,2	262
15	45,0	5,0	50,0	480	2	77,7	10,8	11,5	278
16	43,5	4,8	51,6	496	3	73,5	10,2	16,3	294
17	42,2	4,7	53,1	512	4	69,7	9,7	20,6	310
18	40,9	4,5	54,6	528	5	66,3	9,2	24,5	326
19	39,7	4,4	55,9	544	6	63,2	8,8	28,0	342
20	38,6	4,3	57,1	560	7	60,3	8,4	31,3	358
21	37,5	4,2	58,3	576	8	57,8	8,0	34,2	374
22	36,5	4,0	59,5	592	9	55,4	7,7	36,9	390
23	35,5	3,9	60,5	608	10	53,2	7,4	39,4	406
24	34,6	3,8	61,6	624	11	51,2	7,1	41,7	422
25	33,7	3,7	62,5	640	12	49,3	6,9	43,8	438
<b>18—26—1</b>	83,7	10,1	6,2	258	13	47,6	6,6	45,8	454
2	75,8	9,5	11,7	274	14	45,9	6,4	47,6	470
3	74,5	8,9	16,6	290	15	44,4	6,2	49,4	486

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>18—30—16</b>	43,0	6,0	51,0	502	<b>18—36—12</b>	48,7	8,1	43,2	444
17	41,7	5,8	52,5	518	13	47,0	7,8	45,2	460
18	40,5	5,6	53,0	534	14	45,4	7,5	47,1	476
19	39,3	5,4	55,3	550	15	43,9	7,3	48,8	492
20	38,2	5,3	56,5	566	16	42,5	7,1	50,4	508
21	37,1	5,2	57,7	582	17	41,2	6,9	51,9	524
22	36,1	5,0	68,8	598	18	40,0	6,7	53,3	540
<b>18—32—1</b>	81,8	12,1	6,1	264	19	38,8	6,5	54,7	556
2	77,1	11,4	11,4	280	<b>18—38—1</b>	80,0	14,1	5,9	270
3	73,0	10,8	16,2	296	2	75,5	13,3	11,2	286
4	69,2	10,2	20,5	312	3	71,5	12,6	15,9	302
5	65,8	9,7	24,4	328	4	67,9	11,9	20,1	318
6	62,8	9,3	27,9	344	5	64,7	11,4	23,9	334
7	60,0	8,9	31,1	360	6	61,7	10,9	27,4	350
8	57,4	8,5	34,0	376	7	59,0	10,4	30,6	366
9	55,1	8,2	36,7	392	8	56,5	10,0	33,5	382
10	52,9	7,8	39,2	408	9	54,3	9,5	36,2	398
11	50,9	7,5	41,5	424	10	52,2	9,2	38,6	414
12	49,1	7,3	43,6	440	11	50,2	8,8	40,9	430
13	47,4	7,0	45,6	456	12	48,4	8,5	43,0	446
14	45,7	6,8	47,4	472	13	46,8	8,2	45,0	462
15	44,3	6,5	49,2	488	14	45,2	7,9	46,9	478
16	42,8	6,3	50,8	504	15	43,7	7,7	48,6	494
17	41,5	6,1	52,3	520	16	42,3	7,5	50,2	510
18	40,3	5,9	53,7	536	17	41,1	7,2	51,7	526
19	39,1	5,8	55,1	552	18	39,8	7,0	53,1	542
20	38,0	5,6	56,3	568	<b>19—2—1</b>	92,7	0,8	6,5	246
21	37,0	5,5	57,5	584	2	87,0	0,8	12,2	262
<b>18—34—1</b>	81,2	12,8	6,0	266	3	82,0	0,7	17,2	278
2	76,6	12,1	11,3	282	4	77,6	0,7	21,7	294
3	72,5	11,4	16,1	298	5	73,6	0,6	25,8	310
4	68,8	10,8	20,4	314	6	70,0	0,6	29,4	326
5	65,4	10,3	24,2	330	7	66,7	0,6	32,7	342
6	62,4	9,8	27,8	346	8	63,7	0,5	35,8	358
7	59,7	9,4	30,9	362	9	61,0	0,5	38,5	374
8	57,1	9,0	33,9	378	10	58,5	0,5	41,0	390
9	54,8	8,6	36,5	394	11	56,2	0,5	43,3	406
10	52,7	8,3	39,0	410	12	54,0	0,5	45,5	422
11	50,7	8,0	41,1	426	13	52,1	0,4	47,5	438
12	48,9	7,7	43,4	442	14	50,2	0,4	49,3	454
13	47,2	7,4	45,4	458	15	48,5	0,4	51,0	470
14	45,6	7,2	47,2	474	16	46,9	0,4	52,7	486
15	44,1	6,9	49,0	490	17	45,4	0,4	54,2	502
16	42,7	6,7	50,6	506	18	44,0	0,4	55,6	518
17	41,4	6,5	52,1	522	19	42,7	0,4	56,9	534
18	40,1	6,3	53,5	538	20	41,4	0,4	58,2	550
19	39,0	6,1	54,9	554	21	40,3	0,3	59,4	566
20	37,9	5,9	56,1	570	<b>19—4—1</b>	91,9	1,6	6,4	248
<b>18—36—1</b>	80,6	13,4	6,0	268	2	86,3	1,5	12,1	264
2	76,0	12,7	11,3	284	3	81,4	1,4	17,2	280
3	72,0	12,0	16,0	300	4	77,0	1,3	21,6	296
4	68,3	11,4	20,3	316	5	73,1	1,3	25,6	312
5	65,1	10,8	24,1	332	6	69,5	1,2	29,3	328
6	62,1	10,3	27,6	348	7	66,3	1,1	32,6	344
7	59,3	9,9	30,8	364	8	63,3	1,1	35,6	360
8	56,8	9,5	33,7	380	9	60,8	1,0	38,3	376
9	54,5	9,1	36,4	396	10	58,2	1,0	40,8	392
10	52,4	8,7	38,8	412	11	56,0	0,9	43,1	408
11	50,5	8,4	41,1	428	12	53,8	0,9	45,3	424

C—H—O	C%	H%	O%	M.G.	C—H—O	C%	H%	O%	M.G.
19—4—13	51,8	0,9	47,3	440	19—10—3	79,7	3,5	16,8	286
14	50,0	0,9	49,1	456	4	75,5	3,3	21,2	302
15	48,3	0,8	50,9	472	5	71,7	3,1	25,2	318
16	46,7	0,8	52,4	488	6	68,3	3,0	28,7	334
17	45,2	0,8	54,0	504	7	65,1	2,8	32,0	350
18	43,8	0,8	55,4	520	8	62,3	2,7	35,0	366
19	42,5	0,7	56,7	536	9	59,7	2,6	37,7	382
20	41,3	0,7	58,0	552	10	57,3	2,5	40,2	398
21	40,1	0,7	59,2	568	11	55,1	2,4	42,5	414
22	39,0	0,7	60,3	584	12	53,0	2,3	44,6	430
19—6—1	91,2	2,4	64,0	250	13	51,1	2,2	46,6	446
2	85,7	2,2	12,0	266	14	49,3	2,2	48,5	462
3	80,9	2,1	17,0	282	15	47,7	2,1	50,2	478
4	76,5	2,0	21,5	298	16	46,2	2,0	51,8	494
5	72,6	1,9	25,5	314	17	44,7	2,0	53,3	510
6	69,1	1,8	29,1	330	18	43,3	1,9	54,8	526
7	65,9	1,7	32,4	346	19	42,1	1,8	56,1	542
8	63,0	1,6	35,4	362	20	40,9	1,8	57,3	558
9	60,3	1,6	38,1	378	21	39,7	1,7	58,5	574
10	57,9	1,5	40,6	394	22	38,6	1,7	59,7	590
11	55,6	1,4	42,9	410	23	37,6	1,6	60,7	606
12	53,5	1,4	45,1	426	24	36,6	1,6	61,7	622
13	51,6	1,3	47,1	442	25	35,7	1,6	62,7	638
14	49,8	1,3	48,9	458	19—12—1	89,1	4,7	6,2	256
15	48,1	1,2	50,6	474	2	83,8	4,4	11,8	272
16	46,5	1,2	52,2	490	3	79,2	4,1	16,7	288
17	45,1	1,2	53,7	506	4	75,0	3,9	21,1	304
18	43,7	1,1	55,2	522	5	71,2	3,7	25,0	320
19	42,4	1,1	56,5	538	6	67,8	3,6	28,6	336
20	41,2	1,1	57,7	554	7	64,8	3,4	31,8	352
21	40,0	1,0	58,9	570	8	62,0	3,2	34,8	368
22	38,9	1,0	60,1	586	9	59,4	3,1	37,5	384
23	37,9	1,0	61,1	602	10	57,0	3,0	40,0	400
19—8—1	90,5	3,2	6,3	252	11	54,8	2,9	42,3	416
2	83,1	3,0	11,9	268	12	52,8	2,8	44,4	432
3	80,3	2,8	16,9	284	13	50,9	2,7	46,4	448
4	76,0	2,7	21,3	300	14	49,1	2,6	48,3	464
5	72,2	2,5	25,3	316	15	47,5	2,5	50,0	480
6	68,7	2,4	28,9	332	16	46,0	2,4	51,6	496
7	65,5	2,3	32,2	348	17	44,5	2,3	53,1	512
8	62,6	2,2	35,2	364	18	43,2	2,3	54,5	528
9	60,0	2,1	37,9	380	19	41,9	2,2	55,9	544
10	57,6	2,0	40,4	396	20	40,7	2,1	57,1	560
11	55,3	1,9	42,7	412	21	39,6	2,1	58,3	576
12	53,3	1,9	44,8	428	22	38,5	2,0	59,5	592
13	51,3	1,8	46,9	444	23	37,5	2,0	60,5	608
14	49,6	1,7	48,7	460	24	36,5	1,9	61,5	624
15	47,9	1,7	50,4	476	25	35,6	1,9	62,5	640
16	46,3	1,6	52,0	492	26	34,8	1,8	63,4	656
17	44,9	1,6	53,5	508	19—14—1	88,4	5,4	6,2	258
18	43,5	1,5	55,0	524	2	83,2	5,1	11,7	274
19	42,2	1,5	56,3	540	3	78,6	4,8	16,5	290
20	41,0	1,4	57,6	556	4	74,5	4,6	20,9	306
21	39,9	1,4	58,7	572	5	70,8	4,3	24,8	322
22	38,8	1,4	59,8	588	6	67,4	4,1	28,5	338
23	37,7	1,3	60,9	604	7	64,4	3,9	31,6	354
24	36,8	1,3	61,9	620	8	61,6	3,8	34,6	370
19—10—1	89,8	3,9	6,3	254	9	59,1	3,6	37,3	386
2	81,4	3,7	11,9	270	10	56,7	3,5	39,3	402

C - H - O	C %	H %	O %	M.G.	C - H - O	C %	H %	O %	M.G.
19-14-11	54,6	3,3	42,1	418	19-18-15	46,9	3,7	49,4	486
12	52,5	3,2	44,2	434	16	45,4	3,6	51,0	502
13	50,7	3,1	46,2	450	17	44,0	3,5	52,5	518
14	48,9	3,0	48,1	466	18	42,7	3,4	53,9	534
15	47,3	2,9	49,8	482	19	41,4	3,3	55,3	550
16	45,8	2,8	51,4	498	20	40,3	3,2	56,5	566
17	44,4	2,7	52,9	514	21	39,2	3,1	57,7	582
18	43,0	2,6	54,4	530	22	38,1	3,0	58,8	598
19	41,7	2,5	55,8	546	23	37,1	2,9	59,9	614
20	40,6	2,5	56,9	562	24	36,2	2,8	61,0	630
21	39,4	2,4	58,1	578	25	35,3	2,8	61,9	646
22	38,4	2,3	59,2	594	26	34,4	2,7	62,8	662
23	37,4	2,3	60,3	610	27	33,6	2,6	63,7	678
24	36,4	2,2	61,4	626	28	32,9	2,6	64,5	694
25	35,5	2,2	62,3	642	29	32,1	2,5	65,4	710
26	34,6	2,1	63,3	658	19-20-1	86,4	7,6	6,0	264
27	33,8	2,1	64,1	674	2	81,4	7,1	11,4	280
19-16-1	87,7	6,1	6,1	260	3	77,0	6,7	16,2	296
2	82,6	5,8	11,6	276	4	73,1	6,4	20,5	312
3	78,1	5,5	16,4	292	5	69,5	6,0	24,4	328
4	74,0	5,2	20,8	308	6	66,3	5,8	27,9	344
5	70,4	4,9	24,7	324	7	63,3	5,5	31,1	360
6	67,1	4,7	28,2	340	8	60,6	5,3	34,0	376
7	64,0	4,5	31,4	356	9	58,1	5,1	36,7	392
8	61,3	4,3	34,4	372	10	55,9	4,9	39,2	408
9	58,8	4,1	37,1	388	11	53,8	4,7	41,5	424
10	56,4	3,9	39,6	404	12	51,8	4,5	43,6	440
11	54,3	3,8	41,9	420	13	50,0	4,4	45,6	456
12	52,3	3,7	44,0	436	14	48,3	4,2	47,5	472
13	50,4	3,5	46,0	452	15	46,7	4,1	49,2	488
14	48,7	3,4	47,9	468	16	45,1	4,0	50,8	504
15	47,0	3,3	49,7	484	17	43,8	3,8	52,3	520
16	45,6	3,2	51,2	500	18	42,5	3,7	53,7	536
17	44,2	3,1	52,7	516	19	41,3	3,6	55,1	552
18	42,8	3,0	54,1	532	20	40,1	3,5	56,3	568
19	41,6	2,9	55,5	548	21	39,0	3,4	57,5	584
20	40,4	2,8	56,7	564	22	38,0	3,3	58,7	600
21	39,3	2,7	57,9	580	23	37,0	3,2	59,7	616
22	38,2	2,7	59,1	596	24	36,1	3,1	60,8	632
23	37,2	2,6	60,1	612	25	35,2	3,1	61,7	648
24	36,3	2,5	61,1	628	26	34,3	3,0	62,7	664
25	35,4	2,5	62,1	644	27	33,5	2,9	63,5	680
26	34,6	2,4	63,0	660	28	32,7	2,9	64,4	696
27	33,7	2,3	63,9	676	29	32,0	2,8	65,2	712
28	32,9	2,3	64,7	692	19-22-1	85,7	8,3	6,0	266
19-18-1	87,0	6,9	6,1	262	2	80,8	7,8	11,4	282
2	82,0	6,5	11,5	278	3	76,5	7,4	16,1	298
3	77,5	6,1	16,3	294	4	72,6	7,0	20,4	314
4	73,6	5,8	20,6	310	5	69,1	6,7	24,2	330
5	69,6	5,5	24,5	326	6	65,9	6,3	27,7	346
6	66,7	5,2	28,1	342	7	63,0	6,1	30,9	362
7	63,7	5,0	31,3	358	8	60,3	5,8	33,9	378
8	61,0	4,8	34,2	374	9	57,9	5,6	36,5	394
9	58,5	4,6	36,9	390	10	55,6	5,3	39,0	410
10	56,2	4,4	39,4	406	11	53,5	5,1	41,3	426
11	54,0	4,3	41,7	422	12	51,6	5,0	43,4	442
12	52,0	4,1	43,8	438	13	49,8	4,8	45,4	458
13	50,2	3,9	45,8	454	14	48,1	4,6	47,2	474
14	48,5	3,8	47,7	470	15	46,5	4,5	49,0	490

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>19—22—18</b>	45,1	4,3	50,6	506	<b>19—26—20</b>	39,7	4,5	55,7	574
17	43,7	4,2	52,1	522	21	38,6	4,4	57,0	590
18	42,4	4,1	53,5	538	22	37,6	4,3	58,1	606
19	41,1	4,0	54,9	554	23	36,7	4,2	59,1	622
20	40,0	3,9	56,1	570	24	35,7	4,1	60,2	638
21	38,9	3,7	57,3	586	25	34,8	4,0	61,2	654
22	37,9	3,6	58,5	602	26	34,0	3,9	62,1	670
23	36,9	3,5	59,5	618	<b>19—28—1</b>	83,8	10,3	5,9	272
24	36,0	3,5	60,5	634	2	79,1	9,7	11,1	288
25	35,1	3,4	61,5	650	3	75,0	9,2	15,8	304
26	34,2	3,3	62,5	666	4	71,2	8,7	20,0	320
27	33,4	3,2	63,4	682	5	67,8	8,3	23,8	336
28	32,7	3,1	64,2	698	6	64,8	7,9	27,3	352
<b>19—24—1</b>	85,1	8,9	6,0	268	7	61,9	7,6	30,4	368
2	80,3	8,4	11,3	284	8	59,4	7,3	33,3	384
3	76,0	8,0	16,0	300	9	57,0	7,0	36,0	400
4	72,2	7,6	20,2	316	10	54,8	6,7	38,5	416
5	68,7	7,2	24,1	332	11	52,8	6,5	40,7	432
6	65,5	6,9	27,6	348	12	50,9	6,3	42,8	448
7	62,6	6,6	30,8	364	13	49,1	6,0	44,8	464
8	60,0	6,3	33,7	380	14	47,5	5,8	46,7	480
9	57,6	6,0	36,4	396	15	46,0	5,6	48,4	496
10	55,3	5,8	38,8	412	16	44,5	5,5	50,0	512
11	53,3	5,6	41,1	428	17	43,2	5,3	51,5	528
12	51,3	5,4	43,2	444	18	41,9	5,1	52,9	544
13	49,5	5,2	45,2	460	19	40,7	5,0	54,3	560
14	47,9	5,0	47,1	476	20	39,6	4,8	55,5	576
15	46,3	4,9	48,8	492	21	38,5	4,7	56,8	592
16	44,9	4,7	50,4	508	22	37,5	4,6	57,9	608
17	43,5	4,6	51,9	524	23	36,5	4,5	59,0	624
18	42,2	4,4	53,3	540	24	35,6	4,4	60,0	640
19	41,0	4,3	54,7	556	25	34,7	4,3	61,0	656
20	39,9	4,2	55,9	572	<b>19—30—1</b>	83,2	10,9	5,8	274
21	38,8	4,1	57,1	588	2	78,6	10,3	11,0	290
22	37,7	4,0	58,3	604	3	74,5	9,8	15,7	306
23	36,8	3,9	59,3	620	4	70,8	9,3	19,9	322
24	35,9	3,7	60,4	636	5	67,4	8,9	23,7	338
25	35,0	3,7	61,3	652	6	64,4	8,5	27,1	354
26	34,1	3,6	62,3	668	7	61,6	8,1	30,3	370
27	33,3	3,5	63,2	684	8	59,1	7,8	33,1	386
<b>19—26—1</b>	84,4	9,6	5,9	270	9	56,7	7,4	35,8	402
2	79,7	9,1	11,2	286	10	54,5	7,2	38,3	418
3	75,5	8,6	15,9	302	11	52,5	6,9	40,5	434
4	71,7	8,2	20,1	318	12	50,7	6,7	42,6	450
5	68,3	7,8	23,9	334	13	48,9	6,4	44,6	466
6	65,1	7,4	27,4	350	14	47,3	6,2	46,4	482
7	62,3	7,1	30,6	366	15	45,8	6,0	48,2	498
8	59,7	6,8	33,5	382	16	44,3	5,8	49,8	514
9	57,3	6,5	36,2	398	17	43,0	5,6	51,3	530
10	55,1	6,3	38,6	414	18	41,7	5,5	52,7	546
11	53,0	6,0	40,9	430	19	40,6	5,3	54,1	562
12	51,1	5,8	43,1	446	20	39,4	5,2	55,3	578
13	49,4	5,6	45,0	462	21	38,4	5,0	56,6	594
14	47,7	5,4	46,9	478	22	37,4	4,9	57,7	610
15	46,2	5,2	48,6	494	23	36,4	4,8	58,8	626
16	44,7	5,1	50,2	510	24	35,5	4,7	59,8	642
17	43,3	4,9	51,7	526	<b>19—32—1</b>	82,6	11,6	5,8	276
18	42,1	4,8	53,1	542	2	78,1	10,9	10,9	292
19	40,9	4,6	54,5	558	3	74,0	10,4	15,6	308

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
19—32—4	70,4	9,9	19,7	324	19—36—18	41,3	6,5	52,2	552
5	67,1	9,4	23,5	340	19	40,1	6,3	53,5	568
6	64,0	9,0	27,0	356	20	39,0	6,1	54,8	584
7	61,3	8,6	30,1	372	21	38,0	6,0	56,0	600
8	58,8	8,2	33,0	388	19—38—1	80,8	13,5	5,7	282
9	56,4	7,9	35,6	404	2	76,5	12,7	10,7	298
10	54,3	7,6	38,1	420	3	72,6	12,1	15,3	314
11	52,4	7,3	40,3	436	4	69,1	11,5	19,4	330
12	50,4	7,1	42,5	452	5	65,9	11,0	23,1	346
13	48,7	6,8	44,4	468	6	63,0	10,5	26,5	362
14	47,1	6,6	46,3	484	7	60,3	10,0	29,6	378
15	45,6	6,4	48,0	500	8	57,9	9,6	32,5	394
16	44,2	6,2	49,6	516	9	55,6	9,3	35,1	410
17	42,8	6,0	51,1	532	10	53,5	8,9	37,6	426
18	41,6	5,8	52,6	548	11	51,6	8,6	39,8	442
19	40,4	5,7	53,9	564	12	49,8	8,3	41,9	458
20	39,3	5,5	55,2	580	13	48,1	8,0	43,9	474
21	38,2	5,4	56,4	596	14	46,5	7,7	45,7	490
22	37,2	5,2	57,5	612	15	45,0	7,5	47,4	506
23	36,3	5,1	58,6	628	16	43,7	7,3	49,0	522
19—34—1	82,0	12,2	5,7	278	17	42,4	7,1	50,5	538
2	77,5	11,5	10,9	294	18	41,2	6,8	52,0	554
3	73,5	11,0	15,5	310	19	40,0	6,7	53,3	570
4	69,9	10,4	19,6	326	20	38,9	6,5	54,6	586
5	66,7	9,9	23,4	342	19—40—1	80,3	14,1	5,6	284
6	63,7	9,5	26,8	358	2	76,0	13,3	10,7	300
7	60,9	9,1	29,9	374	3	72,2	12,6	15,2	316
8	58,5	8,7	32,8	390	4	68,7	12,0	19,3	332
9	56,1	8,4	35,5	406	5	65,5	11,5	23,0	348
10	54,0	8,0	37,9	422	6	62,6	11,0	26,4	364
11	52,1	7,7	40,2	438	7	60,0	10,5	29,5	380
12	50,2	7,5	42,3	454	8	57,6	10,1	32,3	396
13	48,5	7,2	44,3	470	9	55,3	9,7	34,9	412
14	46,9	7,0	46,1	486	10	53,3	9,3	37,4	428
15	45,4	6,8	47,8	502	11	51,3	9,0	39,6	444
16	44,0	6,6	49,4	518	12	49,6	8,7	41,7	460
17	42,7	6,4	50,9	534	13	47,9	8,4	43,7	476
18	41,5	6,2	52,3	550	14	46,3	8,1	45,5	492
19	40,3	6,0	53,7	566	15	44,9	7,9	47,2	508
20	39,2	5,8	55,0	582	16	43,5	7,6	48,8	524
21	38,1	5,7	56,2	598	17	42,2	7,4	50,4	540
22	37,1	5,5	57,3	614	18	41,0	7,2	51,8	556
19—36—1	81,4	12,8	5,7	280	19	39,8	7,0	53,1	572
2	77,0	12,2	10,8	296	20—2—1	93,0	0,8	6,2	258
3	73,1	11,5	15,4	312	2	87,6	0,7	11,7	274
4	69,5	11,0	19,5	328	3	82,7	0,7	16,5	290
5	66,3	10,5	23,2	344	4	78,4	0,6	20,9	306
6	63,3	10,0	26,7	360	5	74,5	0,6	24,8	322
7	60,6	9,6	29,8	376	6	71,0	0,6	28,4	338
8	58,2	9,2	32,6	392	7	67,8	0,6	31,6	354
9	55,9	8,8	35,3	408	8	64,9	0,5	34,6	370
10	53,8	8,5	37,7	424	9	62,2	0,5	37,3	386
11	51,8	8,2	40,0	440	10	59,7	0,5	39,8	402
12	50,0	7,9	42,1	456	11	57,4	0,5	42,1	418
13	48,3	7,6	44,0	472	12	55,3	0,5	44,2	434
14	46,7	7,4	45,9	488	13	53,3	0,4	46,2	450
15	45,2	7,1	47,6	504	14	51,5	0,4	48,1	466
16	43,8	6,9	50,2	520	15	49,8	0,4	49,8	482
17	42,5	6,7	50,7	536	16	48,2	0,4	51,4	498

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
20—2—17	46,7	0,4	52,9	514	20—8—7	66,7	2,2	31,1	360
18	45,3	0,4	54,3	530	8	63,8	2,1	34,1	376
19	43,9	0,4	55,7	546	9	61,2	2,0	36,7	392
20	42,7	0,4	56,9	562	10	58,8	1,9	34,2	408
21	41,5	0,3	58,1	578	11	56,6	1,9	41,5	424
22	40,4	0,3	59,3	594	12	54,6	1,8	43,6	440
20—4—1	92,3	1,5	6,1	260	13	52,6	1,7	45,6	456
2	86,9	1,4	11,6	276	14	50,8	1,7	47,4	472
3	82,2	1,4	16,4	292	15	49,2	1,6	49,2	488
4	77,9	1,3	20,8	308	16	47,6	1,6	50,8	504
5	74,1	1,2	24,7	324	17	46,1	1,5	52,3	520
6	70,5	1,2	28,2	340	18	44,7	1,5	53,7	536
7	67,4	1,1	31,5	356	19	43,5	1,5	55,0	552
8	64,5	1,1	34,4	372	20	42,3	1,4	56,3	568
9	61,8	1,0	37,1	388	21	41,1	1,4	57,5	584
10	59,4	1,0	39,6	404	22	40,0	1,3	58,6	600
11	57,1	0,9	41,9	420	23	38,9	1,3	59,8	616
12	55,0	0,9	44,0	436	24	38,0	1,2	60,8	632
13	53,1	0,9	46,0	452	25	37,0	1,2	61,7	648
14	51,3	0,8	47,9	468	20—10—1	90,2	3,7	6,0	266
15	49,6	0,8	49,6	484	2	85,1	3,5	11,4	282
16	48,0	0,8	51,2	500	3	80,5	3,3	16,1	298
17	46,5	0,8	52,7	516	4	76,4	3,2	20,4	314
18	45,1	0,7	54,1	532	5	72,7	3,0	24,3	330
19	43,8	0,7	55,5	548	6	69,3	2,9	27,7	346
20	42,5	0,7	56,7	564	7	66,3	2,8	30,9	362
21	41,4	0,7	57,9	580	8	63,5	2,6	33,9	378
22	40,2	0,7	59,1	596	9	60,9	2,5	36,5	394
23	39,2	0,6	60,1	612	10	58,6	2,4	39,0	410
20—6—1	91,6	2,3	6,1	262	11	56,3	2,3	41,3	426
2	86,3	2,1	11,5	278	12	54,3	2,3	43,4	442
3	81,6	2,0	16,3	294	13	52,4	2,2	45,4	458
4	77,4	1,9	20,6	310	14	50,6	2,1	47,2	474
5	73,6	1,8	24,5	326	15	49,0	2,0	49,0	490
6	70,2	1,7	28,1	342	16	47,4	2,0	50,6	506
7	67,0	1,7	31,3	358	17	46,0	1,9	52,0	522
8	64,2	1,6	34,2	374	18	44,6	1,8	53,5	538
9	61,5	1,5	36,9	390	19	43,3	1,8	54,9	554
10	59,1	1,5	39,4	406	20	42,1	1,7	56,2	570
11	56,9	1,4	41,7	422	21	41,0	1,7	57,3	586
12	54,8	1,4	43,8	438	22	39,9	1,7	58,4	602
13	52,9	1,3	45,8	454	23	38,8	1,6	59,5	618
14	51,1	1,3	47,6	470	24	37,8	1,6	60,6	634
15	49,4	1,2	49,4	486	25	36,9	1,5	61,6	650
16	47,8	1,2	51,0	502	26	36,0	1,5	62,4	666
17	46,3	1,1	52,5	518	20—12—1	89,5	4,5	6,0	268
18	44,9	1,1	53,9	534	2	84,5	4,2	11,3	284
19	43,6	1,1	55,3	550	3	80,0	4,0	16,0	300
20	42,4	1,1	56,5	566	4	75,9	3,8	20,2	316
21	41,2	1,0	57,7	582	5	72,3	3,6	24,1	332
22	40,1	1,0	58,8	598	6	68,9	3,4	27,6	348
23	39,1	1,0	59,9	614	7	65,9	3,3	30,8	364
24	38,1	0,9	60,9	630	8	63,2	3,1	33,7	380
20—8—1	90,9	3,0	6,1	264	9	60,6	3,0	36,4	396
2	85,7	2,8	11,4	280	10	58,2	2,9	38,8	412
3	81,1	2,7	16,2	296	11	56,1	2,8	41,1	428
4	76,9	2,6	20,5	312	12	54,0	2,7	43,2	444
5	73,2	2,4	24,4	328	13	52,2	2,6	45,2	460
6	69,8	2,3	27,9	344	14	50,4	2,5	47,0	476

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
20—12—15	48,8	2,4	48,8	492	20—16—19	42,0	2,8	54,3	560
16	47,2	2,3	50,4	508	20	41,7	2,8	55,5	576
17	45,8	2,3	51,9	524	21	40,5	2,7	56,8	592
18	44,4	2,2	53,3	540	22	39,5	2,6	57,9	608
19	43,1	2,2	54,7	556	23	38,5	2,5	59,0	624
20	41,9	2,1	55,9	572	24	37,6	2,5	60,0	640
21	40,8	2,0	57,1	588	25	36,6	2,4	61,0	656
22	39,7	2,0	58,3	604	26	35,7	2,4	61,9	672
23	38,7	1,9	69,4	620	27	34,9	2,3	62,8	688
24	37,7	1,9	60,4	636	28	34,0	2,3	63,6	704
25	36,8	1,8	61,4	652	29	33,3	2,2	64,4	720
26	35,9	1,8	62,3	668	20—18—1	87,6	6,6	5,8	274
27	35,1	1,7	63,2	684	2	82,8	6,2	11,0	290
20—14—1	88,9	5,2	5,9	270	3	78,4	5,9	15,7	306
2	83,9	4,9	11,2	286	4	74,5	5,6	19,9	322
3	79,5	4,6	15,9	302	5	71,0	5,3	23,7	338
4	75,4	4,4	20,1	318	6	67,8	5,1	27,1	354
5	71,8	4,2	23,9	334	7	64,9	4,8	30,3	370
6	68,6	4,0	27,4	350	8	62,2	4,7	33,1	386
7	65,6	3,8	30,6	366	9	59,7	4,5	35,8	402
8	62,8	3,7	33,5	382	10	57,4	4,3	38,3	418
9	60,3	3,5	36,2	398	11	55,3	4,1	40,5	434
10	58,0	3,4	38,6	414	12	53,3	4,0	42,7	450
11	55,8	3,2	40,9	430	13	51,5	3,8	44,6	466
12	53,8	3,1	43,1	446	14	49,8	3,7	46,5	482
13	52,0	3,0	45,0	462	15	48,2	3,6	48,2	498
14	50,2	2,9	46,9	478	16	46,7	3,5	49,8	514
15	48,6	2,8	48,6	494	17	45,3	3,4	51,3	530
16	47,1	2,7	50,2	510	18	43,9	3,3	52,7	546
17	45,6	2,7	51,7	526	19	42,7	3,2	54,1	562
18	44,3	2,6	53,1	542	20	41,5	3,1	55,4	578
19	43,0	2,5	54,5	558	21	40,4	3,0	56,5	594
20	41,8	2,4	55,7	574	22	39,3	2,9	57,7	610
21	40,7	2,4	56,9	590	23	38,3	2,9	58,8	626
22	36,9	2,3	58,1	606	24	37,4	2,8	59,8	642
23	38,6	2,2	59,2	622	25	36,5	2,7	60,8	658
24	37,6	2,2	60,2	638	26	35,6	2,7	61,7	674
25	36,7	2,1	61,1	654	27	34,8	2,6	62,6	690
26	35,8	2,1	62,1	670	28	34,0	2,5	63,5	706
27	35,0	2,0	63,0	686	29	33,2	2,5	64,3	722
28	34,2	2,0	63,8	702	30	32,5	2,4	65,0	738
20—16—1	88,2	5,9	5,9	272	20—20—1	86,9	7,2	5,8	276
2	83,3	5,5	11,1	288	2	82,2	6,8	10,9	292
3	78,9	5,2	15,8	304	3	77,9	6,4	15,6	308
4	75,0	5,0	20,0	320	4	74,1	6,2	19,7	324
5	71,4	4,8	23,8	336	5	70,6	5,9	23,5	340
6	68,1	4,5	27,3	352	6	67,4	5,6	27,0	356
7	65,2	4,3	30,4	368	7	64,5	5,3	30,1	372
8	62,5	4,2	33,3	384	8	61,8	5,1	33,0	388
9	60,0	4,0	36,0	400	9	59,4	4,9	35,6	404
10	57,7	3,8	38,5	416	10	57,1	4,8	38,1	420
11	55,6	3,7	40,7	432	11	55,0	4,6	40,4	436
12	53,6	3,6	42,8	448	12	53,1	4,4	42,5	452
13	51,7	3,4	44,8	464	13	51,3	4,3	44,4	468
14	50,0	3,3	46,7	480	14	49,6	4,1	46,3	484
15	48,4	3,2	48,4	496	15	48,0	4,0	48,0	500
16	46,9	3,1	50,0	512	16	46,5	3,9	49,6	516
17	45,4	3,0	51,5	528	17	45,1	3,8	51,1	532
18	44,1	2,9	52,9	544	18	43,8	3,6	52,5	548

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
20—20—19	42,6	3,5	53,9	564	20—24—17	44,8	4,5	50,7	536
20	41,4	3,4	55,2	580	18	43,5	4,3	52,2	552
21	40,3	3,3	56,4	596	19	42,3	4,2	53,5	568
22	39,2	3,2	57,5	612	20	41,1	4,1	54,8	584
23	38,2	3,2	58,6	628	21	40,0	4,0	56,0	600
24	37,3	3,1	59,6	644	22	38,9	3,9	57,1	616
25	36,4	3,0	60,6	660	23	38,0	3,8	58,2	632
26	35,5	2,9	61,5	676	24	37,0	3,7	59,3	648
27	34,7	2,9	62,4	692	25	36,1	3,6	60,2	664
28	33,9	2,8	63,3	708	26	35,3	3,5	61,2	680
29	33,1	2,7	64,1	724	27	34,5	3,4	62,1	696
30	32,4	2,7	64,9	740	28	33,7	3,4	62,9	712
31	31,7	2,6	65,6	756	29	33,0	3,3	63,7	728
20—22—1	86,3	7,9	5,7	278	20—26—1	85,1	9,2	5,7	282
2	81,6	7,5	10,9	294	2	80,5	8,7	10,7	298
3	77,4	7,1	15,5	310	3	76,4	8,3	15,3	314
4	73,6	6,7	19,6	326	4	72,7	7,9	19,4	330
5	70,2	6,4	23,4	342	5	69,3	7,5	23,1	346
6	67,0	6,1	26,8	358	6	66,3	7,2	26,5	362
7	64,2	5,9	29,9	374	7	63,5	6,9	29,6	378
8	61,5	5,6	32,8	390	8	60,9	6,6	32,5	394
9	59,1	5,4	35,5	406	9	58,5	6,3	35,1	410
10	56,9	5,2	37,9	422	10	56,3	6,1	37,6	426
11	54,8	5,0	40,2	438	11	54,3	5,8	39,8	442
12	52,9	4,8	42,3	454	12	52,4	5,7	41,9	458
13	51,1	4,7	44,2	470	13	50,6	5,5	43,9	474
14	49,4	4,5	46,1	486	14	49,0	5,3	45,7	490
15	47,8	4,4	47,8	502	15	47,4	5,1	47,4	506
16	46,3	4,2	49,4	518	16	46,0	5,0	49,0	522
17	44,9	4,1	50,9	534	17	44,6	4,8	50,6	538
18	43,6	4,0	52,4	550	18	43,3	4,7	52,0	554
19	42,4	3,9	53,7	566	19	42,1	4,6	53,3	570
20	41,2	3,8	55,0	582	20	41,0	4,4	54,6	586
21	40,1	3,7	56,2	598	21	39,9	4,3	55,8	602
22	39,1	3,6	57,3	614	22	38,8	4,2	67,0	618
23	38,1	3,5	58,4	630	23	37,9	4,1	58,0	634
24	37,1	3,4	59,4	646	24	36,9	4,0	59,1	650
25	36,2	3,3	60,4	662	25	36,0	3,9	60,1	666
26	35,4	3,2	61,4	678	26	35,2	3,8	61,0	682
27	34,5	3,2	62,2	694	27	34,3	3,7	62,0	698
28	33,8	3,1	63,1	710	28	33,6	3,6	62,7	714
29	33,1	3,0	63,9	726	20—28—1	84,5	9,9	5,6	284
30	32,3	3,0	64,7	742	2	80,0	9,3	10,7	300
20—24—1	85,7	8,6	5,7	280	3	76,0	8,8	15,2	316
2	81,0	8,1	10,8	296	4	72,3	8,4	19,3	332
3	76,9	7,7	15,4	312	5	69,0	8,0	23,0	348
4	73,2	7,3	19,5	328	6	65,9	7,7	26,4	364
5	69,8	7,0	23,2	344	7	63,2	7,3	29,5	380
6	66,7	6,7	26,6	360	8	60,6	7,1	32,3	396
7	63,8	6,4	29,8	376	9	58,2	6,8	35,0	412
8	61,2	6,1	32,7	392	10	56,1	6,5	37,4	428
9	58,8	5,9	35,3	408	11	54,1	6,3	39,6	444
10	56,6	5,6	37,7	424	12	52,2	6,1	41,7	460
11	54,5	5,4	40,0	440	13	50,4	5,8	43,7	476
12	52,6	5,3	42,1	456	14	48,8	5,7	55,5	492
13	50,9	5,1	44,0	472	15	47,2	5,4	47,2	508
14	49,2	4,9	45,9	488	16	45,8	5,3	48,9	524
15	47,6	4,8	47,6	504	17	44,4	5,2	50,4	540
16	46,2	4,6	49,2	520	18	43,2	5,0	51,8	556

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>20—28—19</b>	42,0	4,9	53,1	572	<b>20—32—25</b>	35,7	4,8	59,5	672
<b>20</b>	40,8	4,7	54,4	588	<b>20—34—1</b>	82,7	11,7	5,5	290
<b>21</b>	39,7	4,6	55,6	604	<b>2</b>	78,4	11,1	10,5	306
<b>22</b>	38,7	4,5	56,8	620	<b>3</b>	74,5	10,6	14,9	322
<b>23</b>	37,7	4,4	57,9	636	<b>4</b>	71,0	10,0	18,9	338
<b>24</b>	36,8	4,3	58,9	652	<b>5</b>	67,8	9,6	22,6	354
<b>25</b>	35,9	4,2	59,9	668	<b>6</b>	64,9	9,2	25,9	370
<b>26</b>	35,1	4,1	60,8	684	<b>7</b>	62,2	8,8	29,0	386
<b>27</b>	34,3	4,0	61,7	700	<b>8</b>	59,7	8,4	31,8	402
<b>20—30—1</b>	83,9	10,5	5,6	286	<b>9</b>	57,4	8,1	34,5	418
<b>2</b>	79,5	9,9	10,6	302	<b>10</b>	55,3	7,8	36,9	434
<b>3</b>	75,5	9,4	15,1	318	<b>11</b>	53,3	7,5	39,1	450
<b>4</b>	71,8	9,0	19,2	334	<b>12</b>	51,5	7,3	41,2	466
<b>5</b>	68,6	8,6	22,8	350	<b>13</b>	49,8	7,1	43,2	482
<b>6</b>	65,6	8,2	26,2	366	<b>14</b>	48,2	6,8	45,0	498
<b>7</b>	62,8	7,9	29,3	382	<b>15</b>	46,7	6,6	46,7	514
<b>8</b>	60,2	7,5	32,2	398	<b>16</b>	45,3	6,4	48,3	530
<b>9</b>	58,0	7,2	34,8	414	<b>17</b>	44,0	6,2	49,8	546
<b>10</b>	55,8	7,0	37,2	430	<b>18</b>	42,7	6,0	51,2	562
<b>11</b>	53,8	6,7	39,5	446	<b>19</b>	41,5	5,9	52,6	578
<b>12</b>	52,0	6,5	41,5	462	<b>20</b>	40,4	5,7	53,9	594
<b>13</b>	50,2	6,3	43,5	478	<b>21</b>	39,3	5,6	55,1	610
<b>14</b>	48,6	6,1	45,3	494	<b>22</b>	38,4	5,4	56,2	626
<b>15</b>	47,1	5,9	47,0	510	<b>23</b>	37,4	5,3	57,3	642
<b>16</b>	45,6	5,7	48,7	526	<b>24</b>	36,5	5,2	58,3	658
<b>17</b>	44,3	5,5	50,2	542	<b>20—36—1</b>	82,2	12,3	5,5	292
<b>18</b>	43,0	5,4	51,6	558	<b>2</b>	77,9	11,7	10,4	308
<b>19</b>	41,8	5,2	54,0	574	<b>3</b>	74,1	11,1	14,8	324
<b>20</b>	40,7	5,1	54,2	590	<b>4</b>	70,5	10,6	18,8	349
<b>21</b>	39,6	5,0	55,3	606	<b>5</b>	67,4	10,1	22,5	356
<b>22</b>	38,6	4,8	56,6	622	<b>6</b>	64,5	9,7	25,8	372
<b>23</b>	37,6	4,7	57,7	638	<b>7</b>	61,9	9,3	28,8	388
<b>24</b>	36,7	4,6	58,7	654	<b>8</b>	59,4	8,9	31,7	404
<b>25</b>	35,8	4,5	59,7	670	<b>9</b>	57,1	8,6	34,3	420
<b>26</b>	35,0	4,4	60,6	686	<b>10</b>	55,0	8,3	36,7	436
<b>20—32—1</b>	83,3	11,1	5,6	288	<b>11</b>	53,1	8,0	38,9	452
<b>2</b>	79,9	10,5	10,5	304	<b>12</b>	51,3	7,7	41,0	468
<b>3</b>	75,0	10,0	15,0	320	<b>13</b>	49,6	7,4	43,0	484
<b>4</b>	71,4	9,5	19,1	336	<b>14</b>	48,0	7,2	44,8	500
<b>5</b>	68,2	9,0	22,7	352	<b>15</b>	46,5	7,0	46,5	516
<b>6</b>	65,2	8,7	26,1	368	<b>16</b>	45,1	6,7	48,1	532
<b>7</b>	62,5	8,3	29,2	384	<b>17</b>	43,8	6,6	49,6	548
<b>8</b>	60,0	8,0	32,0	400	<b>18</b>	42,5	6,4	51,0	564
<b>9</b>	57,7	7,7	34,6	416	<b>19</b>	41,4	6,2	52,4	580
<b>10</b>	55,5	7,4	37,0	432	<b>20</b>	40,3	6,0	53,7	596
<b>11</b>	53,6	7,1	39,3	448	<b>21</b>	39,2	5,9	54,9	612
<b>12</b>	51,7	6,9	41,4	464	<b>22</b>	38,2	5,7	56,1	628
<b>13</b>	50,0	6,7	43,3	480	<b>23</b>	37,3	5,6	57,1	644
<b>14</b>	48,4	6,4	45,1	496	<b>20—38—1</b>	81,6	12,9	5,4	294
<b>15</b>	46,9	6,2	46,9	512	<b>2</b>	77,4	12,3	10,3	310
<b>16</b>	45,4	6,1	48,5	528	<b>3</b>	73,6	11,6	14,7	326
<b>17</b>	44,1	5,9	50,0	544	<b>4</b>	70,2	11,1	18,7	342
<b>18</b>	42,8	5,7	51,4	560	<b>5</b>	67,0	10,6	22,4	358
<b>19</b>	41,7	5,5	52,8	576	<b>6</b>	64,2	10,1	25,7	374
<b>20</b>	40,5	5,4	54,1	592	<b>7</b>	61,5	9,8	28,7	390
<b>21</b>	39,5	5,2	55,3	608	<b>8</b>	59,1	9,4	31,5	406
<b>22</b>	38,4	5,1	56,4	624	<b>9</b>	56,9	9,0	34,1	422
<b>23</b>	37,5	5,0	57,5	640	<b>10</b>	54,8	8,7	36,5	438
<b>24</b>	36,6	4,9	58,5	656	<b>11</b>	52,9	8,4	38,7	454

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.	
<b>20—38—12</b>	50,9	8,1	40,9	470	<b>21—10—3</b>	81,3	3,2	15,5	310	
13	49,4	7,8	42,8	486	4	77,3	3,0	19,7	326	
14	47,8	7,6	44,6	502	6	75,4	2,8	26,8	358	
15	46,3	7,3	46,3	518	<b>21—12—1</b>	90,0	4,3	5,7	280	
16	44,9	7,1	47,9	534	2	85,1	4,0	10,8	296	
17	43,6	6,9	49,5	550	3	80,8	3,8	15,4	312	
18	42,4	6,7	50,9	566	4	76,8	3,6	19,5	328	
19	41,2	6,5	53,2	582	5	73,3	3,5	23,2	344	
<b>20</b>	40,1	6,4	53,5	598	6	70,0	3,3	26,7	360	
21	39,1	6,2	54,7	614	7	67,0	3,2	29,8	376	
<b>22</b>	38,1	6,0	55,9	630	<b>21—14—1</b>	89,4	4,9	5,7	282	
<b>20—40</b>	1	81,1	13,5	5,4	206	<b>2</b>	84,6	4,7	10,7	298
2	76,9	12,8	10,3	312	3	80,3	4,4	15,3	314	
3	73,2	12,2	14,6	328	4	76,4	4,2	19,4	330	
4	69,8	11,6	18,6	344	5	72,8	4,0	23,1	346	
5	66,7	11,1	22,2	360	6	69,6	3,8	26,5	362	
6	63,8	10,6	25,5	376	7	66,7	3,7	29,6	378	
7	61,2	10,2	28,6	392	8	64,0	3,5	32,5	394	
8	58,8	9,8	31,4	408	9	61,4	3,4	35,1	410	
9	56,6	9,4	34,0	424	10	59,2	3,3	37,5	426	
10	54,5	9,1	36,4	440	11	57,0	3,2	39,8	442	
11	52,6	8,8	38,6	456	12	55,0	3,1	41,9	458	
12	50,8	8,5	40,7	472	13	53,2	2,9	43,9	474	
13	49,2	8,2	42,6	488	<b>21—16—1</b>	88,7	5,6	5,6	284	
14	47,6	7,9	44,5	504	<b>2</b>	84,0	5,3	10,7	300	
15	46,2	7,7	46,1	520	3	79,8	5,0	15,2	316	
16	44,8	7,4	47,8	536	4	75,9	4,8	19,3	332	
17	43,5	7,2	49,3	552	5	72,4	4,6	23,0	348	
18	42,2	7,0	50,7	568	6	69,1	4,4	26,4	364	
19	41,1	6,8	52,1	584	7	66,3	4,2	29,5	380	
20	40,0	6,7	53,3	600	8	63,6	4,0	32,3	396	
21	39,0	6,5	54,5	616	9	61,2	3,9	34,9	412	
<b>20—42—1</b>	80,5	14,1	5,4	298	<b>10</b>	58,9	3,7	37,4	428	
2	76,4	13,4	10,2	314	11	56,8	3,6	39,6	444	
3	72,7	12,8	14,5	330	<b>12</b>	54,8	3,4	41,8	460	
4	69,4	12,1	18,5	346	<b>21—18—1</b>	88,1	6,3	5,6	286	
5	66,3	11,6	22,1	362	<b>2</b>	83,5	5,9	10,6	302	
6	63,5	11,1	25,4	378	3	79,3	5,6	15,1	318	
7	60,9	10,7	28,4	394	4	75,4	5,4	19,2	334	
8	58,5	10,2	31,2	410	5	72,0	5,1	22,9	350	
9	56,4	9,7	33,8	426	6	68,8	4,9	26,2	366	
10	54,3	9,5	36,2	442	7	66,0	4,7	29,3	382	
11	52,4	9,2	38,4	458	8	63,3	4,5	32,2	398	
12	50,6	8,9	40,5	474	9	60,9	4,3	34,8	414	
13	49,0	8,6	42,4	490	<b>10</b>	58,6	4,2	37,2	430	
14	47,4	8,3	44,3	506	<b>11</b>	56,5	4,0	39,5	446	
15	46,0	8,0	46,0	522	<b>12</b>	54,5	3,9	41,6	462	
16	44,6	7,8	47,6	538	<b>13</b>	52,7	3,7	43,5	478	
17	43,3	7,6	49,1	554	<b>14</b>	51,0	3,6	45,4	494	
18	42,1	7,4	50,5	570	<b>15</b>	49,4	3,5	47,0	510	
19	41,0	7,1	51,9	586	<b>21—20—1</b>	87,4	6,9	5,6	288	
20	39,9	7,0	53,1	602	<b>2</b>	82,9	6,6	10,5	304	
<b>20—44—29</b>	32,1	5,9	62,0	748	3	78,8	6,2	15,0	320	
<b>21—6—1</b>	92,0	2,2	5,8	274	<b>4</b>	75,0	6,0	19,0	336	
2	86,9	2,0	11,0	290	<b>5</b>	71,6	5,7	22,7	352	
<b>21—8—1</b>	91,3	2,9	5,8	276	<b>6</b>	68,5	5,4	26,1	368	
2	86,3	2,7	11,0	292	<b>7</b>	65,6	5,2	29,2	384	
<b>21—10—1</b>	90,6	3,6	5,8	278	<b>8</b>	63,0	5,0	32,0	400	
2	85,7	3,4	10,9	294	<b>9</b>	60,6	4,8	34,6	416	

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.	
<b>21—20</b>	<b>10</b>	58.3	4.6	37.0	432	<b>21—30—4</b>	72.8	8.7	18.5	346
11	56.2	4.4	39.3	448	5	69.6	8.3	22.1	362	
12	54.3	4.3	41.4	464	6	66.7	7.9	25.4	378	
<b>21—22—1</b>	<b>86.9</b>	7.6	5.5	290	7	64.0	7.6	28.4	394	
2	82.4	7.2	10.4	306	9	59.1	7.0	33.8	426	
3	78.3	6.8	14.9	322	14	49.8	5.9	44.3	506	
4	74.6	6.5	18.9	338	<b>21—32—1</b>	84.0	10.7	5.3	300	
5	71.2	6.2	22.6	354	2	79.8	10.1	10.1	316	
6	68.1	5.9	26.0	370	3	75.9	9.6	14.5	332	
7	65.3	5.7	29.0	386	4	72.4	9.2	18.4	348	
8	62.7	5.5	31.8	402	5	69.2	8.8	22.0	364	
9	60.3	5.3	34.4	418	6	66.3	8.4	25.3	380	
10	58.1	5.0	36.9	434	7	63.6	8.1	28.3	396	
11	56.0	4.9	39.1	450	8	61.2	7.8	31.0	412	
12	54.1	4.7	41.2	466	12	52.9	6.7	41.3	476	
13	52.3	4.5	43.2	482	<b>21—34—1</b>	83.5	11.2	5.3	302	
14	50.6	4.4	45.0	498	2	79.2	10.7	10.1	318	
<b>21—24—1</b>	<b>86.3</b>	8.2	5.5	292	3	75.4	10.2	14.4	334	
2	81.7	7.8	10.4	308	4	72.0	9.7	18.3	350	
3	77.8	7.4	14.8	324	5	68.9	9.3	21.8	366	
4	74.1	7.1	18.8	340	6	66.0	8.9	25.1	382	
5	70.8	6.7	22.5	356	7	63.3	8.5	28.1	398	
6	67.8	6.4	25.8	372	<b>21—36—1</b>	82.9	11.8	5.3	304	
7	65.0	6.2	28.8	388	2	78.8	11.2	10.0	320	
8	62.4	5.9	31.7	404	3	75.0	10.7	14.3	336	
9	60.0	5.7	34.3	420	4	71.6	10.2	18.2	352	
10	57.8	5.5	36.7	436	5	68.5	9.8	21.7	368	
11	55.8	5.3	38.9	452	6	65.6	9.4	25.0	384	
12	53.8	5.1	41.0	468	8	60.6	8.6	30.8	416	
<b>21—26—1</b>	<b>85.7</b>	8.8	5.4	294	<b>21—38—1</b>	82.4	12.4	5.2	306	
2	81.3	8.4	10.3	310	2	78.3	11.8	9.9	322	
3	77.3	8.0	14.7	326	3	74.6	11.2	14.2	338	
4	73.7	7.6	18.7	342	4	71.2	10.7	18.1	354	
5	70.4	7.3	22.3	358	5	68.1	10.3	21.6	370	
6	67.4	6.9	25.7	374	6	65.3	9.8	24.9	386	
7	64.6	6.7	28.7	390	<b>21—40—1</b>	81.8	13.0	5.2	308	
8	62.1	6.4	31.5	406	2	77.8	12.3	9.9	324	
9	59.7	6.2	34.1	422	3	74.1	11.8	14.1	340	
10	57.5	5.9	36.5	438	4	70.8	11.2	18.0	356	
11	55.5	5.7	38.8	454	5	67.7	10.8	21.5	372	
12	53.6	5.5	40.9	470	6	65.0	10.3	24.7	388	
<b>21—28—1</b>	<b>85.1</b>	9.5	5.4	296	<b>21—42—1</b>	81.3	13.5	5.2	310	
2	80.8	9.0	10.2	312	2	77.3	12.9	9.8	326	
3	76.8	8.5	14.6	328	3	73.7	12.3	14.0	342	
4	73.3	8.1	18.6	344	4	70.4	11.7	17.9	358	
5	70.0	7.8	22.2	360	5	67.4	11.2	21.4	374	
6	67.0	7.4	25.5	376	6	64.6	10.8	24.6	390	
7	64.3	7.1	28.6	392	<b>21—44—1</b>	80.8	14.1	5.1	312	
8	61.8	6.8	31.4	408	2	76.8	13.4	9.8	328	
9	59.4	6.6	34.0	424	3	73.3	12.8	13.9	344	
10	57.3	6.3	36.4	440	<b>22—2—4</b>	80.0	0.6	19.4	330	
11	55.3	6.1	38.6	456	<b>22—10—1</b>	91.0	3.4	5.5	290	
12	53.2	5.9	40.9	472	2	86.3	3.3	10.4	306	
15	48.5	5.4	46.1	520	3	82.0	3.1	14.9	322	
20	42.0	4.7	53.3	600	4	78.1	2.9	18.9	338	
23	38.9	4.3	56.8	648	5	74.6	2.8	22.6	354	
<b>21—30—1</b>	<b>84.6</b>	10.1	5.3	296	6	71.3	2.7	25.9	370	
2	80.2	9.6	10.2	314	13	54.8	2.0	43.2	482	
3	76.4	9.1	14.5	330	<b>22—12—1</b>	90.4	4.1	5.5	292	

C—H—O	C %	H %	O %	M. G.	C—H—O	C %	H %	O %	M. G.
<b>22—12—2</b>	85,7	3,9	10,4	308	<b>22—24—4</b>	75,0	6,8	18,2	352
3	81,5	3,7	14,8	324	5	71,7	6,5	21,7	368
4	77,6	3,5	18,8	340	6	68,8	6,2	25,0	384
5	74,2	3,4	22,4	356	7	66,0	6,0	28,0	400
6	70,9	3,2	25,8	372	8	63,5	5,8	30,7	416
<b>22—14—1</b>	89,8	4,8	5,4	294	9	61,1	5,6	33,3	432
2	85,2	4,5	10,3	310	10	58,9	5,3	35,7	448
3	81,0	4,3	14,7	326	<b>22—26—1</b>	86,3	8,5	5,2	306
4	77,2	4,1	18,7	342	2	82,0	8,1	9,9	322
5	73,8	3,9	22,3	358	3	78,1	7,7	14,2	338
6	70,6	3,7	25,7	374	4	74,6	7,3	18,1	354
7	67,7	3,6	28,7	390	5	71,3	7,0	21,6	370
8	63,0	3,4	31,5	406	6	68,4	6,7	24,9	386
9	62,6	3,3	34,1	422	7	65,7	6,5	27,8	402
10	60,3	3,2	36,5	438	8	63,2	6,2	30,6	418
11	58,1	3,1	38,8	454	9	60,8	6,0	33,2	431
12	56,2	3,0	40,8	470	10	58,7	5,8	35,5	450
13	54,3	2,9	42,8	486	11	56,6	5,6	37,8	466
15	51,0	2,7	46,3	518	12	54,8	5,4	39,8	482
<b>22—16—1</b>	89,2	5,4	5,4	296	13	53,0	5,2	41,8	498
2	84,6	5,1	10,3	312	25	38,3	3,7	58,0	690
3	80,5	4,9	14,6	328	<b>22—28—1</b>	85,7	9,1	5,2	308
4	76,8	4,6	18,6	344	2	81,5	8,6	9,9	324
5	73,3	4,4	22,2	360	3	77,6	8,2	14,1	340
6	70,2	4,2	25,5	376	4	74,2	7,8	18,0	356
7	67,3	4,1	28,6	392	5	71,0	7,5	21,5	372
8	64,7	3,9	31,4	408	6	68,0	7,2	24,7	388
10	60,0	3,6	36,4	410	7	65,3	6,9	27,7	404
<b>22—18—1</b>	88,6	6,0	5,4	298	8	62,8	6,7	30,5	420
2	84,1	5,7	10,2	314	9	60,6	6,4	33,0	436
3	80,0	5,4	14,5	330	10	58,4	6,2	35,4	452
4	76,3	5,2	18,5	346	12	54,5	5,8	69,7	484
5	72,9	5,0	22,1	362	15	49,6	5,3	45,1	532
6	69,8	4,8	25,4	378	<b>22—30—1</b>	85,2	9,7	5,1	310
7	67,0	4,5	28,4	394	2	81,0	9,2	9,8	326
8	64,4	4,4	31,2	410	3	77,2	8,8	14,0	342
<b>22—20—1</b>	88,9	6,7	5,3	300	4	73,7	8,4	17,9	358
2	83,6	6,3	10,1	316	5	70,6	8,0	21,4	374
3	79,5	6,0	14,5	332	6	67,7	7,7	24,6	390
4	75,8	5,7	18,4	348	7	65,0	7,4	27,6	406
5	72,5	5,5	22,0	364	8	62,6	7,1	30,3	422
6	69,5	5,2	25,3	380	9	60,3	6,8	32,9	438
7	66,7	5,0	28,3	396	10	58,1	6,6	35,2	454
8	64,1	4,8	31,1	412	15	49,4	5,6	44,9	534
9	61,7	4,7	33,6	428	<b>22—32—1</b>	84,6	10,2	5,1	312
10	59,5	4,5	36,0	444	2	80,4	9,8	9,8	328
<b>22—22—1</b>	87,4	7,3	5,3	302	3	76,7	9,3	14,0	344
2	83,0	6,9	10,1	318	4	73,3	8,9	17,8	360
3	79,0	6,6	14,4	334	5	70,2	8,5	21,3	376
4	75,4	6,3	18,3	350	6	67,3	8,1	24,5	392
5	72,1	6,0	21,9	366	7	64,7	7,8	27,5	408
6	69,1	5,8	25,1	382	8	62,3	7,5	30,2	424
7	66,3	5,5	28,1	398	12	54,1	6,5	39,3	440
8	63,8	5,3	30,9	414	<b>22—34—1</b>	84,1	10,8	5,1	314
9	61,4	5,1	33,5	430	2	80,0	10,3	9,7	320
10	59,2	4,9	35,9	446	3	76,3	9,8	13,9	346
<b>22—24—1</b>	86,8	7,9	5,2	304	4	72,9	9,4	17,7	362
2	82,5	7,5	10,0	320	5	69,8	9,0	21,2	378
3	78,6	7,1	14,3	336	6	67,0	8,6	24,4	394

C—H—O	C%	H%	O%	M.G.	C—H—O	C%	H%	O%	M.G.
<b>22—34—7</b>	64,4	8,3	27,3	410	<b>23—12—4</b>	78,4	3,4	18,2	352
8	62,0	8,0	30,0	426	7	69,0	3,0	28,0	400
9	59,7	7,7	32,6	442	<b>23—14—1</b>	90,2	4,6	5,2	306
10	57,6	7,4	34,9	458	2	85,7	4,3	9,9	322
11	55,6	7,2	37,1	474	3	81,7	4,1	14,2	338
12	53,9	6,9	39,2	490	4	78,0	3,9	18,1	354
<b>22—36—1</b>	83,6	11,4	5,0	316	5	74,6	3,8	21,6	370
2	79,5	10,8	9,6	332	6	71,5	3,6	24,9	386
3	75,9	10,3	13,8	348	<b>23—16—1</b>	89,6	5,2	5,2	308
4	72,5	9,9	17,6	364	2	85,2	4,9	9,9	324
5	69,5	9,5	21,0	380	3	81,2	4,7	14,1	340
6	66,7	9,1	24,2	396	4	77,5	4,5	18,0	356
7	64,1	8,7	27,2	412	5	74,2	4,3	21,5	372
8	61,7	8,4	29,9	428	6	71,1	4,1	24,7	388
9	59,5	8,1	32,3	444	7	68,3	3,9	27,7	404
10	57,4	7,8	34,8	460	8	65,7	3,8	30,5	420
11	55,5	7,6	36,9	476	9	63,3	3,7	33,0	436
12	53,7	7,3	39,0	492	10	61,1	3,5	35,4	452
<b>22—38—1</b>	83,0	11,9	5,0	318	<b>23—18—1</b>	89,0	5,8	5,2	310
2	79,0	11,4	9,6	334	2	84,7	5,5	9,8	326
3	75,4	10,9	13,7	350	3	80,7	5,3	14,0	342
4	72,1	10,4	17,5	366	4	77,1	5,0	17,9	358
5	69,1	9,9	20,9	382	5	73,8	4,8	21,4	374
6	66,3	9,5	24,1	398	6	70,8	4,6	24,6	390
7	63,7	9,2	37,1	414	10	60,8	4,0	35,2	454
8	61,4	8,8	29,8	430	<b>23—20—1</b>	88,5	6,4	5,1	312
9	59,2	8,5	32,3	446	2	84,2	6,1	9,7	328
10	57,2	8,2	34,6	462	3	80,2	5,8	14,0	344
<b>22—40—1</b>	82,5	12,5	5,0	320	4	76,7	5,5	17,8	360
2	78,5	11,9	9,5	336	5	73,4	5,3	21,3	376
3	75,0	11,4	13,6	352	6	70,4	5,1	24,5	392
4	71,7	10,9	17,4	368	8	65,1	4,7	30,2	424
5	68,7	10,4	20,8	384	10	60,5	4,4	35,1	456
6	66,0	10,0	24,0	400	11	58,5	4,2	37,3	472
7	63,5	9,6	26,9	416	<b>23—22—1</b>	87,9	7,0	5,1	314
8	61,1	9,2	29,6	432	2	83,6	6,7	9,7	330
<b>22—42—1</b>	82,0	13,0	5,0	322	3	79,8	6,3	13,9	346
2	78,1	12,4	9,5	338	4	76,2	6,1	17,7	362
3	74,6	11,9	13,5	354	5	73,0	5,8	21,2	378
4	71,3	11,3	17,3	370	6	70,1	5,6	24,3	394
5	68,4	10,9	20,7	386	7	67,3	5,4	27,3	410
6	65,7	10,4	23,9	402	8	64,8	5,2	30,0	426
7	63,2	10,0	26,8	418	9	62,4	5,0	32,6	442
8	60,8	9,7	29,5	434	10	60,3	4,8	34,9	458
28	35,0	5,6	59,4	754	<b>23—24—1</b>	87,3	7,6	5,1	316
<b>23—44—1</b>	81,5	13,6	4,9	324	2	83,1	7,2	9,6	332
2	77,6	12,9	9,4	340	3	79,3	6,9	13,8	348
3	74,1	12,4	13,5	356	4	75,8	6,6	17,6	364
4	70,9	11,8	17,2	372	5	72,6	6,3	21,1	380
5	68,0	11,3	20,6	388	6	69,7	6,1	24,2	396
6	65,3	10,9	23,8	404	7	67,0	5,8	27,2	412
7	62,8	10,5	26,7	420	8	64,5	5,6	29,9	428
8	60,6	10,1	29,3	436	9	62,2	5,4	32,4	444
9	58,4	9,7	31,8	452	10	61,0	5,2	34,8	460
<b>22—46—1</b>	81,0	14,1	4,9	326	<b>23—26—1</b>	86,8	8,2	5,0	318
2	77,2	13,4	9,3	342	2	85,6	7,8	9,6	334
3	73,8	12,8	13,4	358	3	78,9	7,4	13,7	350
4	70,6	12,3	17,1	374	4	75,4	7,1	17,5	366
5	67,7	11,8	20,5	390	5	72,3	6,8	20,9	382

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>23—26—6</b>	69,3	6,5	24,1	398	<b>23—42—2</b>	78,9	12,0	9,1	350
7	66,7	6,3	27,0	414	3	75,4	11,5	13,1	366
8	64,2	6,0	29,8	430	4	72,3	11,0	16,7	382
9	61,9	5,8	32,3	446	5	69,3	10,5	20,1	398
10	59,8	5,6	34,6	462	6	66,7	10,1	23,2	414
11	57,7	5,4	36,8	478	<b>23—44—1</b>	82,1	13,1	4,8	336
12	55,9	5,2	38,9	494	2	78,4	12,5	9,1	352
<b>23—28—1</b>	86,2	8,8	5,0	320	3	75,0	12,0	13,0	368
2	82,1	8,3	9,5	336	4	71,9	11,5	16,6	384
3	78,4	8,0	18,6	352	5	69,0	11,0	20,0	400
4	75,0	7,6	17,4	368	6	66,3	10,6	23,1	416
5	71,9	7,3	20,8	384	12	53,9	8,6	37,5	512
6	69,0	7,0	24,0	400	<b>23—46—1</b>	81,7	13,6	4,7	338
8	63,9	6,5	29,6	432	2	78,0	13,0	9,0	354
<b>23—30—1</b>	85,7	9,3	5,0	322	3	74,6	12,4	13,0	370
2	81,6	8,9	9,5	338	4	71,5	11,9	16,6	386
3	78,0	8,5	13,5	354	5	68,7	11,4	19,9	402
4	74,6	8,1	17,3	370	6	66,0	11,0	23,0	418
5	71,5	7,8	20,7	386	<b>23—48—1</b>	81,2	14,1	4,7	340
6	68,7	7,4	23,9	402	2	77,5	13,5	9,0	356
7	66,0	7,2	26,8	418	3	74,2	12,9	12,9	372
12	55,4	6,0	38,6	498	4	71,1	12,4	16,5	388
<b>23—32—1</b>	85,2	9,9	4,9	324	5	68,3	11,9	19,8	404
2	81,2	9,4	9,4	340	<b>24—8—6</b>	73,4	2,0	24,5	392
3	77,5	9,0	13,5	356	<b>24—10—8</b>	67,6	2,3	30,1	426
4	74,2	8,6	17,1	372	9	65,2	2,2	32,6	442
5	71,1	8,2	20,6	388	10	62,9	2,2	34,9	458
6	68,3	7,9	23,8	404	<b>24—12—1</b>	91,1	3,8	5,1	316
7	65,7	7,6	26,7	420	2	86,7	3,6	9,6	332
<b>23—34—1</b>	84,7	10,4	4,9	326	3	82,7	3,4	13,8	348
2	80,7	9,9	9,4	342	4	79,1	3,3	17,6	364
3	77,1	9,5	13,4	358	<b>24—14—1</b>	90,6	4,4	5,0	318
4	73,8	9,1	17,1	374	2	86,2	4,2	9,6	334
5	70,8	8,7	20,5	390	3	82,3	4,0	13,7	350
6	68,0	8,4	23,6	406	4	78,7	3,8	17,5	366
9	60,8	7,5	31,7	454	5	75,4	3,7	20,9	382
<b>23—36—1</b>	84,1	11,0	4,9	328	6	72,4	3,5	24,1	398
2	80,2	10,4	9,3	344	7	69,6	3,4	27,0	414
3	76,7	10,0	13,3	360	<b>22</b>	44,0	2,1	53,8	654
4	73,4	9,6	17,0	376	<b>24—16—1</b>	90,0	5,0	5,0	320
5	70,4	9,2	20,4	392	2	85,7	4,7	9,5	330
6	67,7	8,8	23,5	408	3	81,8	4,5	13,6	352
7	65,1	8,5	26,4	424	4	78,3	4,3	17,4	368
8	62,7	8,2	29,1	440	5	75,0	4,2	20,8	384
10	58,5	7,6	33,9	472	6	72,0	4,0	24,0	400
<b>23—38—1</b>	83,6	11,5	4,8	330	7	69,2	3,8	26,9	416
2	79,8	11,0	9,2	346	8	66,7	3,7	29,6	432
3	76,2	10,5	13,3	362	9	64,3	3,6	32,1	448
4	73,0	10,1	16,9	378	10	62,1	3,4	34,5	464
5	70,1	9,6	20,3	394	11	60,0	3,3	36,7	480
6	67,3	9,3	23,4	410	12	58,1	3,2	38,7	496
22	41,4	5,7	52,8	666	13	56,2	3,1	40,6	512
<b>23—40—1</b>	83,1	12,1	4,8	332	<b>24—18—1</b>	89,4	5,6	5,0	322
2	79,3	11,5	9,2	348	2	85,2	5,3	9,5	338
3	75,8	11,0	13,2	364	3	81,4	5,1	13,5	354
4	72,6	10,5	16,8	380	4	77,8	4,8	17,3	370
5	69,7	10,1	20,2	396	5	74,6	4,7	20,7	386
8	62,2	9,0	28,8	444	6	71,6	4,5	23,9	402
<b>23—42—1</b>	82,6	12,6	4,8	334	7	68,9	4,3	26,8	418

C—H—O	C %	H %	O %	M. G.	C—H—O	C %	H %	O %	M. G.
<b>24—18—8</b>	66.4	4.1	29.5	434	<b>24—30—2</b>	82.3	8.6	9.1	350
9	64.0	4.0	32.0	450	3	78.7	8.2	13.1	366
10	61.8	3.9	34.3	466	4	75.4	7.8	16.8	382
11	59.8	3.7	36.5	482	5	72.4	7.5	20.1	398
12	57.8	3.6	38.6	498	6	69.5	7.2	23.2	414
<b>24—20—1</b>	88.9	6.2	4.9	321	7	67.0	7.0	26.0	430
2	84.7	5.9	9.4	340	8	64.6	6.7	28.7	446
3	80.9	5.6	13.5	356	12	56.4	5.9	37.6	510
4	77.4	5.4	17.2	372	15	51.6	5.4	43.0	558
5	74.2	5.1	20.6	388	17	48.8	5.1	46.0	590
6	71.3	4.9	23.8	404	<b>24—32—1</b>	85.7	9.5	4.8	336
7	68.6	4.7	26.7	420	2	81.8	9.1	9.1	352
8	66.1	4.6	29.3	436	3	78.3	8.7	13.0	368
9	63.7	4.4	31.9	452	4	75.0	8.3	16.7	384
10	61.5	4.3	34.2	468	5	72.0	8.0	20.0	400
11	59.5	4.1	36.4	484	6	69.2	7.7	23.1	416
12	57.6	4.0	38.4	500	12	56.3	6.2	37.5	512
13	55.8	3.9	40.3	516	16	50.0	5.6	44.4	576
14	54.1	3.7	42.1	532	<b>24—34—1</b>	85.2	10.1	4.7	338
15	52.6	3.6	43.8	548	2	81.4	9.6	9.0	354
<b>24—22—1</b>	88.3	6.8	4.9	326	3	77.8	9.2	13.0	370
2	84.2	6.4	9.4	342	4	74.6	8.8	16.6	386
3	80.4	6.1	13.4	358	5	71.6	8.5	19.9	402
4	77.0	5.9	17.1	374	6	68.9	8.1	23.0	418
5	73.8	5.6	20.5	390	7	66.4	7.8	25.8	434
6	70.9	5.4	23.6	406	8	64.0	7.5	28.4	450
7	68.3	5.2	26.5	422	17	48.5	5.7	45.8	594
8	65.7	5.0	29.2	438	23	41.8	4.9	53.3	600
9	63.4	4.8	31.7	454	<b>24—36—1</b>	84.7	10.6	4.7	340
10	61.3	4.7	34.0	470	2	80.9	10.1	9.0	356
11	59.3	4.5	36.2	486	3	77.4	9.7	12.9	372
12	57.4	4.4	38.2	502	4	74.2	9.3	16.5	388
<b>24—24—1</b>	87.8	7.3	4.9	328	5	71.3	8.9	19.8	404
2	83.7	6.9	9.3	344	6	68.6	8.6	22.8	420
3	80.0	6.7	13.3	360	7	66.0	8.3	25.7	436
4	76.6	6.4	17.0	376	8	63.7	7.9	28.3	452
5	73.5	6.1	20.4	392	12	55.8	7.0	37.2	516
6	70.6	5.9	23.5	408	16	49.7	6.2	44.1	580
9	63.2	5.2	31.6	456	<b>24—38—1</b>	84.2	11.1	4.7	342
<b>24—26—1</b>	87.3	7.9	4.8	330	2	80.5	10.6	8.9	358
2	83.2	7.5	9.3	346	3	77.0	10.2	12.8	374
3	79.6	7.2	13.2	362	4	73.8	9.7	16.4	390
4	76.2	6.9	16.9	378	5	70.9	9.4	19.7	406
5	73.1	6.6	20.3	394	6	68.3	9.0	22.7	422
6	70.2	6.3	23.4	410	7	65.7	8.7	25.6	438
8	65.1	5.9	28.9	442	8	63.4	8.4	28.2	454
10	60.8	5.5	33.7	474	19	45.7	6.0	48.3	630
12	56.9	5.1	37.9	506	21	43.5	5.7	50.8	662
13	55.2	5.0	39.8	522	<b>24—40—1</b>	83.7	11.6	4.6	344
<b>24—28—1</b>	86.8	8.4	4.8	332	2	80.0	11.1	8.9	360
2	82.7	8.0	9.2	348	3	76.6	10.6	12.8	376
3	79.1	7.7	13.2	364	4	73.5	10.2	16.3	392
4	75.8	7.4	16.8	380	5	70.6	9.8	19.6	408
5	72.7	7.1	20.2	396	6	67.9	9.4	22.6	424
6	69.9	6.8	23.3	412	9	61.0	8.5	30.5	472
7	67.3	6.5	26.2	428	10	59.0	8.2	32.8	488
8	64.8	6.3	28.8	444	12	55.4	7.7	36.9	520
12	56.7	5.5	37.8	508	20	44.4	6.2	49.4	648
<b>24—30—1</b>	86.2	9.0	4.8	334	<b>24—42—1</b>	83.2	12.1	4.6	346

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>24—42—2</b>	79,6	11,6	8,8	362	<b>25—24—5</b>	74,3	5,9	19,8	404
3	76,2	11,1	12,7	378	6	71,4	5,7	22,9	420
4	73,1	10,7	16,2	394	7	68,8	5,5	25,7	436
5	70,2	10,2	19,5	410	8	66,4	5,3	28,3	452
6	67,6	9,8	22,5	426	11	60,0	4,8	35,2	500
8	64,9	9,2	27,9	458	12	58,1	4,6	37,2	516
21	43,6	6,4	50,9	696	13	56,4	4,5	39,1	532
<b>24—44—1</b>	82,7	12,6	4,6	348	<b>25—26—1</b>	87,7	7,6	4,7	342
2	79,1	12,1	8,8	364	2	83,8	7,2	8,9	358
3	75,8	11,6	12,6	380	3	80,2	6,9	12,8	374
4	72,7	11,1	16,1	396	4	76,9	6,6	16,4	390
<b>24—46—1</b>	82,3	13,1	4,6	350	5	73,9	6,4	19,7	406
2	78,7	12,6	8,7	366	6	71,1	6,2	22,7	422
3	75,4	12,0	12,6	382	9	63,8	5,5	30,6	470
4	72,4	11,5	16,1	398	10	61,7	5,4	32,9	486
5	69,6	11,1	19,3	414	14	54,5	4,7	40,7	550
6	67,0	10,7	22,3	430	<b>25—28—1</b>	87,2	8,1	4,6	341
19	45,1	7,2	47,6	638	2	83,3	7,8	8,9	360
<b>24—48—1</b>	81,8	13,6	4,5	352	3	79,8	7,4	12,8	376
2	78,3	13,0	8,7	368	4	76,5	7,1	16,3	392
3	75,0	12,5	12,5	384	5	73,5	6,9	19,6	408
4	72,0	12,0	16,0	400	6	70,8	6,6	22,6	424
5	69,2	11,5	19,2	416	8	65,8	6,1	28,1	456
6	66,7	11,1	22,2	432	11	59,5	5,5	34,9	504
<b>24—50—1</b>	81,4	14,1	4,5	354	13	56,0	5,2	38,8	536
2	77,8	13,5	8,6	370	15	52,8	4,9	42,2	568
<b>25—14—5</b>	76,1	3,6	20,3	394	<b>25—30—1</b>	86,7	8,7	4,6	346
<b>25—16—6</b>	72,8	3,9	23,3	412	2	82,9	8,3	8,8	362
9	65,2	3,5	31,3	460	3	79,4	7,9	12,7	378
14	53,6	2,9	41,5	540	4	76,1	7,6	16,2	394
<b>25—18—1</b>	89,8	5,4	4,8	334	12	57,5	5,7	36,8	522
2	85,7	5,1	9,1	350	16	51,2	5,1	43,7	586
3	82,0	4,9	13,1	366	<b>25—32—1</b>	86,2	9,2	4,6	348
5	75,4	4,5	20,1	398	2	82,4	8,8	8,8	364
7	69,8	4,2	26,0	430	3	78,9	8,4	12,6	380
8	67,3	4,0	28,7	446	4	75,7	8,1	16,2	396
<b>25—20—1</b>	89,3	5,9	4,8	336	10	61,0	6,5	32,5	492
2	85,2	5,7	9,1	352	14	54,0	5,7	40,3	556
3	81,5	5,4	13,0	368	<b>25—34—1</b>	85,7	9,7	4,6	350
4	78,1	5,2	16,6	384	2	82,0	9,3	8,7	366
5	75,0	5,0	20,0	400	3	78,5	8,9	13,6	382
6	72,1	4,8	23,1	416	4	75,4	8,5	16,1	398
7	69,4	4,6	25,9	432	14	53,8	6,1	40,1	558
9	64,6	4,3	31,0	464	<b>25—36—1</b>	85,2	10,2	4,5	352
12	58,6	3,9	37,5	512	2	81,5	9,8	8,7	368
<b>25—22—1</b>	88,8	6,5	4,7	338	3	78,1	9,4	12,5	384
2	84,8	6,2	9,0	354	4	75,0	9,0	16,0	400
3	81,1	5,9	13,0	370	5	72,1	8,6	19,2	416
4	77,7	5,7	16,6	386	8	64,6	7,8	27,6	464
5	74,6	5,5	19,9	402	9	62,5	7,5	30,0	489
6	71,8	5,3	22,9	418	10	60,5	7,3	32,2	496
7	69,1	5,1	25,8	434	<b>25—38—1</b>	84,7	10,7	4,5	354
3	66,7	4,9	28,4	450	2	81,1	10,3	8,6	370
10	62,2	4,6	33,2	482	3	77,7	9,8	12,4	386
14	54,9	4,0	41,0	546	4	74,6	9,4	15,9	402
<b>25—24—1</b>	88,2	7,0	4,7	340	5	71,8	9,1	19,1	418
2	84,3	6,7	9,0	356	6	69,1	8,8	22,1	434
3	80,6	6,4	12,9	372	7	66,7	8,4	24,9	450
4	77,3	6,2	16,5	388	14	53,4	6,8	39,8	562

C-H-O	C %	H %	O %	M.G.	C-H-O	C %	H %	O %	M.G.
25-40-1	84.3	11.2	4.5	356	26-20-4	78.8	5.1	16.1	396
2	80.6	10.7	8.6	372	5	75.7	4.8	19.4	412
3	77.3	10.3	12.4	388	6	72.9	4.6	22.5	428
4	74.3	9.9	15.8	404	7	70.3	4.5	25.2	444
5	71.4	9.5	19.1	420	8	67.8	4.3	27.8	460
6	68.8	9.2	22.0	436	9	65.6	4.2	30.2	476
7	66.4	8.8	24.8	452	12	59.5	3.8	36.6	524
8	64.1	8.5	27.3	468	14	56.1	3.6	40.3	556
10	60.0	8.0	32.0	500	26-22-1	89.1	6.3	4.6	350
25-42-1	83.8	11.7	4.5	358	2	85.2	6.0	8.7	366
2	80.2	11.2	8.6	374	3	81.7	5.7	12.6	382
3	76.9	10.8	12.3	390	4	78.4	5.5	16.1	398
4	73.9	10.3	15.8	406	5	75.4	5.3	19.3	414
5	71.1	9.9	19.0	422	6	72.6	5.1	22.3	430
6	68.5	9.6	21.9	438	7	70.0	4.9	25.1	446
25-44-1	83.3	12.2	4.4	360	8	67.6	4.7	27.7	462
2	79.8	11.7	8.5	376	9	65.3	4.6	30.1	478
3	76.5	11.2	12.2	392	10	63.1	4.5	32.4	494
4	73.5	10.8	15.7	408	11	61.2	4.3	34.5	510
8	63.6	9.3	27.1	472	13	57.6	4.0	38.4	542
25-46-1	82.9	12.7	4.4	362	26-24-1	88.6	6.8	4.5	332
2	79.3	12.2	8.5	378	2	84.7	6.5	8.7	368
3	76.1	11.7	12.2	394	3	81.2	6.2	12.5	384
4	73.2	11.2	15.6	410	4	78.0	6.0	16.0	400
12	53.8	8.5	35.7	538	5	75.0	5.8	19.2	416
25-48-1	82.4	13.2	4.4	364	6	72.2	5.5	22.2	432
2	78.9	12.6	8.4	380	8	67.2	5.2	27.6	464
3	75.7	12.1	12.1	396	10	62.9	4.8	32.2	496
4	72.8	11.7	15.5	412	11	60.9	4.7	34.4	512
25-50-1	82.0	13.6	4.4	366	12	59.1	4.5	36.4	528
2	78.5	13.1	8.4	382	13	57.3	4.4	38.2	544
3	75.4	12.6	12.0	398	16	52.7	4.0	43.2	592
4	72.5	12.1	15.4	414	26-26-1	88.1	7.4	4.5	354
25-52-1	81.5	14.1	4.3	368	2	84.3	7.0	8.6	370
2	78.1	13.5	8.3	384	3	80.8	6.7	12.4	386
23-14-15	55.1	2.5	42.4	566	4	77.6	6.4	15.9	402
26-16-1	90.7	4.6	4.6	344	5	74.6	6.2	19.1	418
2	86.7	4.4	8.9	360	6	71.9	6.0	22.1	434
3	83.0	4.2	12.8	376	8	67.0	5.6	27.4	466
6	73.6	3.8	22.6	414	14	55.5	4.6	49.9	562
7	70.9	3.6	25.4	440	26-28-1	87.6	7.9	4.5	356
9	66.1	3.4	30.5	472	2	83.8	7.5	8.6	372
11	61.9	3.2	34.9	504	3	80.4	7.2	12.4	388
20-18-1	90.2	5.2	4.6	346	4	77.2	6.9	15.8	404
2	86.2	5.0	8.8	362	6	71.5	6.4	22.0	436
3	82.5	4.8	12.7	378	14	55.3	4.9	39.7	504
4	79.1	4.6	16.2	394	16	52.3	4.7	42.9	596
5	76.0	4.4	19.5	410	26-30-1	87.1	8.4	4.5	358
6	73.3	4.2	32.5	426	2	83.4	8.0	8.6	374
7	70.6	4.1	25.3	442	3	80.0	7.7	12.3	390
8	68.1	3.9	27.9	458	4	76.8	7.4	15.8	406
9	65.8	3.8	30.4	474	7	68.7	6.6	24.7	454
10	63.7	3.7	32.6	490	8	66.4	6.4	27.2	470
11	61.7	3.5	34.8	506	9	64.2	6.2	29.6	486
12	59.8	3.4	36.8	522	12	58.4	5.6	36.0	534
14	56.3	3.2	40.5	554	13	56.7	5.4	37.8	550
26-20-1	89.7	5.7	4.6	348	15	53.6	5.1	41.2	582
2	85.7	5.5	8.8	364	26-32-1	86.7	8.9	4.4	360
3	82.1	5.3	12.6	380	2	83.0	8.5	8.5	376

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
<b>26—32—3</b>	79,6	8,2	12,2	392	<b>26—50—1</b>	82,5	13,2	4,2	378
4	76,5	7,8	15,7	408	<b>2</b>	79,2	12,7	8,1	394
<b>8</b>	66,1	6,8	27,1	472	<b>3</b>	76,1	12,2	11,7	410
9	63,9	6,6	29,5	488	<b>4</b>	73,2	11,7	15,0	426
11	60,0	6,2	33,8	520	<b>7</b>	65,8	10,5	23,6	474
14	54,9	5,6	39,4	568	<b>26—52—1</b>	82,1	13,7	4,2	380
16	52,0	5,3	42,7	600	<b>2</b>	78,8	13,1	8,1	396
<b>26—34—1</b>	86,2	9,4	4,4	362	<b>3</b>	75,7	12,6	11,7	412
2	82,5	9,0	8,5	378	<b>4</b>	72,9	12,2	14,9	428
3	79,2	8,6	12,2	394	<b>2</b>	78,4	13,6	8,0	398
4	76,1	8,3	15,6	410	<b>3</b>	75,4	13,0	11,6	414
5	73,2	8,0	18,8	426	<b>27—12—3</b>	84,4	3,1	12,5	384
10	61,6	6,7	31,6	506	<b>27—14—5</b>	77,5	3,3	19,1	418
14	54,7	5,9	39,3	570	<b>27—16—6</b>	74,3	3,7	12,0	436
16	51,8	5,6	42,5	602	<b>8</b>	69,2	3,4	27,4	468
17	50,5	5,5	34,0	618	<b>27—18—1</b>	90,5	5,0	4,5	358
<b>26—36—1</b>	85,7	9,9	4,4	364	<b>2</b>	86,6	4,8	8,6	374
2	82,1	9,5	8,4	380	<b>3</b>	83,1	4,6	12,3	390
3	78,8	9,1	12,1	396	<b>4</b>	79,8	4,4	15,8	406
4	75,7	8,7	15,5	412	<b>5</b>	76,8	4,3	18,9	422
18	49,1	5,6	45,3	636	<b>6</b>	74,0	4,1	21,9	438
<b>26—38—1</b>	85,2	10,4	4,4	366	<b>27—20—1</b>	90,0	5,5	4,4	360
2	81,7	9,9	8,4	382	<b>2</b>	86,2	5,3	8,5	376
3	78,4	9,5	12,1	398	<b>3</b>	82,7	5,1	12,2	392
4	75,4	9,2	15,4	414	<b>4</b>	79,4	4,9	15,7	408
5	72,6	8,8	18,6	430	<b>27—22—1</b>	89,5	6,1	4,4	362
6	70,0	8,5	21,5	446	<b>2</b>	85,7	5,8	8,5	378
7	67,5	8,2	24,2	462	<b>3</b>	82,2	5,6	12,2	394
<b>26—40—1</b>	84,8	10,9	4,3	368	<b>8</b>	68,4	4,6	27,0	474
2	81,3	10,4	8,3	384	<b>13</b>	58,5	4,0	37,5	554
3	78,0	10,0	12,0	400	<b>14</b>	56,9	3,8	39,3	570
4	75,0	9,6	15,4	416	<b>17</b>	52,4	3,6	44,0	620
7	67,2	8,6	24,1	464	<b>27—24—1</b>	89,0	6,6	4,4	364
<b>26—42—1</b>	84,3	11,3	4,3	370	<b>2</b>	85,3	6,3	8,4	380
2	80,8	10,9	8,3	386	<b>3</b>	81,8	6,0	12,1	396
3	77,6	10,4	11,9	402	<b>4</b>	78,6	5,8	15,5	412
4	74,6	10,0	15,3	418	<b>5</b>	75,7	5,6	18,7	428
5	71,9	9,7	18,4	434	<b>6</b>	72,0	5,4	21,6	444
7	67,0	9,0	24,0	466	<b>7</b>	70,4	5,2	24,4	460
10	60,7	8,2	31,1	514	<b>8</b>	68,1	5,0	26,9	476
<b>26—44—1</b>	83,8	11,8	4,3	372	<b>9</b>	65,8	4,9	29,2	492
2	80,4	11,3	8,2	388	<b>10</b>	63,8	4,7	31,5	508
3	77,2	10,9	11,9	404	<b>27—26—1</b>	88,5	7,1	4,4	366
4	74,3	10,5	15,2	420	<b>3</b>	81,4	6,5	12,1	398
5	71,5	10,1	8,3	436	<b>4</b>	78,2	6,3	15,5	414
6	69,0	9,7	21,2	452	<b>6</b>	72,6	5,8	21,5	446
10	60,5	8,5	31,0	516	<b>7</b>	70,1	5,6	24,3	462
15	52,3	7,4	40,3	596	<b>8</b>	67,8	5,4	26,8	478
<b>26—46—1</b>	83,4	12,3	4,3	374	<b>9</b>	65,6	5,3	29,1	494
2	80,0	11,8	8,2	390	<b>10</b>	63,5	5,1	31,4	510
3	76,8	11,3	11,8	406	<b>11</b>	61,6	4,9	33,5	526
4	73,9	10,9	15,2	422	<b>12</b>	59,8	4,8	35,4	542
5	71,2	10,5	18,3	438	<b>15</b>	54,9	4,4	40,7	590
9	62,2	9,1	28,7	502	<b>27—28—4</b>	77,9	6,7	15,4	416
<b>26—48—1</b>	83,0	12,8	4,2	376	<b>5</b>	74,0	6,5	18,5	432
2	79,6	12,2	8,2	392	<b>8</b>	67,5	5,8	26,7	480
3	76,5	11,7	11,7	408	<b>9</b>	65,3	5,6	29,0	496
4	73,6	11,3	15,1	424	<b>10</b>	63,3	5,4	31,2	512
15	52,0	8,0	40,0	600					

C-H-O	C %	H %	O %	M.G.	C-H-O	C %	H %	O %	M.G.
27-28-11	61.4	5.3	33.3	528	28-18-6	74.7	4.0	21.3	450
16	53.3	4.6	42.1	608	7	72.1	3.8	24.0	466
27-30-9	65.1	6.0	28.9	498	8	69.7	3.7	26.6	482
13	57.6	5.3	37.0	562	9	67.5	3.6	28.9	498
14	56.1	5.2	38.7	578	13	59.8	3.2	37.0	562
17	51.7	4.8	43.5	626	28-20-1	90.3	5.4	4.3	372
27-32-2	83.5	8.2	8.2	388	2	86.8	5.1	8.2	388
16	52.9	5.2	41.8	610	3	83.2	4.9	11.9	404
27-34-11	60.7	6.3	33.0	534	4	80.0	4.8	15.2	420
27-36-10	62.3	6.9	30.8	520	5	77.1	4.6	18.3	436
27-38-5	73.3	8.6	18.1	442	6	74.3	4.4	21.2	452
7	68.4	8.0	23.6	474	7	71.7	4.3	23.9	468
10	62.0	7.3	30.7	522	10	65.1	3.9	31.0	516
13	56.9	6.6	36.5	570	11	63.2	3.7	33.1	532
27-40-1	85.3	10.5	4.2	380	13	59.6	3.5	36.9	564
2	81.8	10.1	8.1	396	28-22-1	90.8	5.9	4.3	374
5	73.0	9.0	18.0	444	2	86.1	5.6	38.2	390
8	65.9	8.1	26.0	492	3	82.7	5.4	11.8	406
10	61.8	7.6	30.5	524	4	79.6	5.2	15.2	422
27-42-2	81.4	10.5	8.0	308	5	76.7	5.0	18.3	438
3	78.2	10.1	11.6	414	6	74.0	4.8	21.1	454
5	72.6	9.4	17.9	446	7	71.5	4.7	23.8	470
7	67.8	8.8	23.4	478	8	69.1	4.5	26.3	486
10	61.6	8.0	30.4	526	9	66.9	4.4	28.7	502
12	58.0	7.5	35.4	558	11	62.9	4.1	33.0	534
27-44-1	84.4	11.4	4.2	384	13	59.4	3.9	36.7	566
2	81.0	11.0	8.0	400	14	57.7	3.8	38.5	582
3	77.9	10.6	11.5	416	28-24-1	89.4	6.4	4.2	376
4	75.0	10.2	14.8	432	2	85.7	6.1	8.2	392
15	53.3	7.2	39.5	608	8	68.8	4.9	26.2	488
27-46-1	83.9	11.9	4.1	386	9	66.7	4.7	28.6	504
2	80.6	11.4	8.0	402	12	60.9	4.3	34.8	552
3	77.5	11.0	11.5	418	13	59.2	4.2	36.6	568
5	72.0	10.2	17.8	450	19	50.6	3.6	45.8	664
14	54.5	7.7	37.7	594	28-26-1	88.9	6.9	4.2	378
27-48-1	83.5	12.4	4.1	388	2	85.3	6.6	8.1	394
2	80.2	11.9	7.9	404	3	82.0	6.3	11.7	419
27-50-1	83.1	12.8	4.1	390	4	78.9	6.1	15.0	426
2	79.8	12.3	7.9	406	5	76.0	5.9	18.1	442
27-52-1	82.6	13.3	4.1	392	7	70.9	5.5	23.6	474
2	79.4	12.7	7.8	408	12	60.7	4.7	34.6	554
27-54-1	82.2	13.7	4.1	394	28-28-1	88.4	7.3	4.2	380
2	79.0	13.2	7.8	410	2	84.8	7.1	8.1	396
3	76.0	12.7	11.3	426	6	73.1	6.1	20.8	460
27-56-1	81.8	14.1	4.0	396	13	58.7	4.9	36.4	572
2	78.6	13.6	7.8	412	14	57.1	4.8	38.1	588
28-10-15	57.3	1.7	40.9	586	28-30-2	84.4	7.6	8.0	398
28-14-5	78.2	3.2	18.6	430	4	78.1	7.0	14.9	430
6	75.3	3.1	21.5	446	5	75.3	6.7	17.9	446
7	72.7	3.0	24.3	462	7	70.3	6.3	23.4	478
28-16-1	91.3	4.3	4.3	368	9	65.9	5.9	28.2	510
3	84.0	4.0	12.0	400	15	55.4	4.9	39.6	606
6	75.0	3.6	21.4	448	28-32-8	67.8	6.4	25.8	496
7	72.4	3.4	24.1	464	10	63.6	6.1	30.3	528
8	70.0	3.3	26.7	480	28-34-1	87.1	8.8	4.1	386
28-18-1	90.8	4.9	4.3	370	5	72.1	7.3	20.6	450
3	83.6	4.5	11.9	402	17	52.3	5.3	42.4	612
4	80.4	4.3	15.3	418	28-36-4	77.1	8.2	14.7	436
5	77.4	4.1	18.4	434	7	69.4	7.4	23.1	484

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
28—36—17	52,2	5,6	42,2	644	29—44—3	79,1	10,0	10,9	440
28—38—4	76,7	8,7	14,6	438	8	66,9	8,5	24,6	520
19	49,6	5,6	44,8	678	10	63,0	8,0	29,0	552
28—40—1	85,7	10,2	4,1	392	11	61,3	7,7	31,0	568
2	82,4	9,8	7,8	408	16	53,7	6,8	39,5	618
4	76,4	9,1	14,5	440	29—46—2	81,7	10,8	7,5	426
7	68,9	8,2	22,9	488	4	76,0	10,0	14,0	458
28—42—2	81,9	10,3	7,8	410	5	73,4	9,7	16,9	474
4	76,0	9,5	14,5	442	7	68,8	9,1	22,1	506
8	66,4	8,3	25,3	506	29—48—4	75,7	10,4	13,9	460
24	44,1	5,5	50,4	762	27	42,0	5,8	52,2	828
28—44—2	81,6	10,7	7,7	412	29—50—2	80,9	11,6	7,4	430
4	75,6	10,0	14,4	444	5	72,7	10,5	16,7	478
7	68,3	8,9	22,8	492	29—52—20	48,3	7,2	44,5	720
28—46—1	84,4	11,6	4,0	398	29—56—4	74,4	11,9	13,7	468
2	81,2	11,1	7,7	414	29—58—1	82,5	13,7	3,8	422
10	62,0	8,5	29,5	542	2	79,4	13,2	7,3	438
28—48—1	84,0	12,0	4,0	400	4	74,0	12,3	13,6	470
2	80,7	11,5	7,7	416	29—60—1	82,1	14,1	3,8	421
3	77,8	11,1	11,1	432	2	79,1	13,6	7,3	440
4	75,0	10,7	14,3	448	30—18—4	81,4	4,1	14,5	442
28—50—1	83,6	12,4	4,0	402	8	71,1	3,6	25,3	506
2	80,4	12,0	7,6	418	18	54,0	2,7	43,2	666
13	56,6	8,4	35,0	504	30—20—3	84,1	4,7	11,2	428
28—52—1	83,2	12,9	3,9	404	6	75,6	4,2	20,2	476
2	80,0	12,4	7,6	420	7	73,2	4,1	22,7	492
28—54—1	82,8	13,3	3,9	406	8	70,9	3,9	25,2	508
2	79,6	12,8	7,6	422	30—22—1	90,5	5,5	4,0	368
3	76,7	12,3	11,0	438	2	87,0	5,3	7,7	414
28—56—1	82,4	13,7	3,9	408	4	80,7	4,9	14,3	446
2	79,2	13,2	7,5	424	6	75,3	4,6	20,1	478
4	73,7	12,3	14,0	456	15	57,9	3,5	38,6	622
28—58—1	82,0	14,1	3,9	410	19	52,5	3,2	44,3	686
2	79,6	13,7	7,6	426	30—24—2	86,5	5,7	7,7	416
20—18—6	75,3	3,9	20,8	462	3	83,3	5,6	11,1	432
20—20—4	70,6	4,6	14,8	432	4	80,3	5,3	14,3	448
8	70,2	4,0	25,8	496	6	75,0	5,0	20,0	480
18	53,0	3,0	43,9	656	8	70,3	4,7	25,0	512
29—24—1	89,7	6,2	4,1	388	9	68,1	4,5	27,3	528
2	86,1	5,9	7,9	404	30—26—1	89,5	6,5	4,0	402
4	79,8	5,5	14,7	436	2	86,1	6,2	7,6	418
6	74,4	5,1	20,5	468	3	82,9	6,0	11,1	434
8	69,6	4,8	25,6	500	4	80,0	5,8	14,2	450
29—26—2	85,7	6,4	7,9	406	5	77,2	5,6	17,2	466
6	74,1	5,5	20,4	470	6	74,7	5,4	19,9	482
9	67,2	5,0	27,8	518	7	72,3	5,2	22,5	498
12	61,5	4,6	33,9	566	8	70,0	5,1	24,9	514
29—28—6	73,7	5,9	20,3	472	9	67,9	4,9	27,2	530
14	58,0	4,7	37,3	600	11	64,0	4,6	31,3	562
29—30—4	78,7	6,8	14,5	442	30—28—1	89,1	6,9	4,0	404
6	73,4	6,3	20,3	474	2	85,7	6,6	7,6	420
10	64,7	5,6	29,7	538	4	79,6	6,2	14,2	452
11	62,8	5,4	31,8	554	5	76,9	6,0	17,1	468
29—32—16	54,7	5,0	40,3	636	6	74,4	5,8	19,8	484
29—34—9	66,2	6,4	27,4	526	14	58,8	4,6	36,6	612
12	60,6	5,9	33,4	574	30—30—1	88,7	7,4	3,9	406
13	59,0	5,8	35,2	590	2	85,3	7,1	7,6	422
29—36—8	68,0	7,0	25,0	512	5	76,6	6,4	17,0	470
29—42—2	82,4	9,9	7,6	422	30—32—4	78,9	7,0	14,0	456

C-H-O	C %	H %	O %	M.G.	C-H-O	C %	H %	O %	M.G.
30-34-4	78,6	7,4	14,0	458	31-38-9	67,1	6,8	26,0	554
10	65,0	6,1	28,9	554	10	65,3	6,6	28,1	570
12	61,4	5,8	32,8	586	31-40-8	68,9	7,4	23,7	540
13	59,8	5,6	34,5	602	31-42-9	66,7	7,5	25,8	558
15	56,8	5,3	37,9	634	31-44-6	72,7	8,6	18,7	512
30-36-10	64,7	6,5	28,8	556	31-48-4	76,9	9,9	13,2	484
35	37,6	3,8	58,6	956	8	67,9	8,7	23,4	548
30-38-2	83,7	8,8	7,4	430	12	60,8	7,8	31,4	612
3	80,7	8,5	10,8	446	31-50-7	69,7	9,4	20,9	534
4	77,9	8,2	13,9	462	10	63,9	8,6	27,5	582
6	72,9	7,7	19,4	494	31-52-17	53,4	7,5	39,1	696
8	68,4	7,2	24,3	526	31-62-1	82,7	13,8	3,5	450
10	64,5	6,8	28,7	558	2	79,8	13,3	6,9	466
30-44-1	85,7	10,5	3,8	420	3	77,2	12,9	9,9	482
14	57,3	7,0	35,7	628	4	74,7	12,4	12,9	498
30-48-1	85,3	10,9	3,8	422	31-64-1	82,3	14,1	3,5	452
2	82,2	10,5	7,3	438	2	79,5	13,7	6,8	468
3	79,3	10,1	10,6	451	32-14-5	80,3	2,9	16,7	478
4	76,6	9,8	13,6	470	32-18-6	77,1	3,6	19,3	498
12	60,2	7,7	32,1	598	32-18-13	62,9	2,9	34,1	610
14	57,2	7,3	35,5	630	32-20-13	62,7	3,2	34,0	612
21	48,5	6,2	45,3	742	14	61,1	3,2	35,7	628
30-48-1	84,9	11,3	3,8	421	32-22-2	87,7	5,0	7,3	438
2	81,8	10,9	7,3	440	3	84,6	4,8	10,6	451
3	78,9	10,5	10,5	456	4	81,7	4,7	13,6	470
4	76,3	10,2	13,5	472	5	79,0	4,5	16,4	486
8	67,1	8,9	23,9	536	10	67,8	3,9	28,3	566
12	60,0	8,0	32,0	600	32-24-1	90,5	5,7	3,8	424
13	58,4	7,8	33,8	616	2	87,4	5,4	7,2	440
14	56,9	7,6	35,4	632	3	84,2	5,3	10,5	456
38	35,4	4,7	59,8	1016	4	81,4	5,1	13,5	472
30-50-1	84,5	11,7	3,8	426	8	71,6	4,5	23,9	536
2	81,5	11,3	7,2	442	10	67,6	4,2	28,2	568
30-52-2	81,1	11,7	7,2	441	16	57,8	3,6	38,6	664
8	66,7	9,6	23,7	540	32-26-1	90,1	6,1	3,8	426
10	62,9	9,1	28,0	572	2	86,9	5,9	7,2	442
14	56,6	8,2	35,2	636	3	83,8	5,7	10,5	458
30-58-3	77,3	12,4	10,3	466	4	81,0	5,5	13,5	474
6	70,0	11,3	18,7	514	5	78,4	5,3	16,3	490
30-60-1	82,6	13,7	3,7	436	6	75,9	5,1	19,0	506
2	79,6	13,2	7,1	452	7	73,5	5,0	21,5	522
3	76,9	12,8	10,3	468	8	71,4	4,8	23,8	538
4	74,4	12,4	13,2	484	32-28-1	89,7	6,5	3,7	428
30-62-1	82,2	14,1	3,6	438	2	86,5	6,3	7,2	441
2	79,3	13,6	7,0	454	5	78,0	5,7	16,3	492
31-20-6	76,2	4,1	19,7	488	8	71,1	5,2	23,7	540
31-22-1	90,7	5,4	3,9	410	12	63,6	4,6	31,8	604
2	87,4	5,1	7,5	426	32-30-4	89,3	6,3	13,4	478
5	78,5	4,6	16,9	474	2	63,4	4,9	31,7	606
31-24-4	80,9	5,2	13,9	460	32-32-8	70,6	5,9	23,5	544
31-28-4	80,2	6,0	13,8	464	12	63,2	5,2	31,6	608
8	70,5	5,3	24,2	528	16	57,1	4,5	38,1	672
31-30-2	85,7	6,9	7,4	431	32-34-1	88,5	7,8	3,7	434
9	68,1	5,5	26,4	516	13	85,3	7,6	7,1	450
14	59,4	4,8	35,8	626	13	64,0	5,7	30,3	600
31-32-16	56,3	4,8	38,8	660	19	53,2	4,7	42,1	722
31-34-12	62,2	5,7	32,1	598	32-36-8	70,1	6,5	33,4	548
15	57,6	5,2	37,2	616	32-38-8	69,8	6,9	23,3	550
31-36-4	78,8	7,6	13,6	472	13	61,0	6,0	33,0	630

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
32—38—15	58,0	5,7	36,2	662	34—22—3	85,4	4,6	10,0	478
32—40—2	81,2	8,8	7,0	456	4	82,6	4,4	13,0	494
9	67,6	7,0	25,4	508	5	80,0	4,3	15,7	510
32—42—10	65,5	7,2	27,3	586	6	77,6	4,2	18,2	526
31	41,6	4,5	53,8	922	34—24—1	91,1	5,3	3,6	448
32—44—32	40,9	4,7	54,4	940	2	88,0	5,1	6,9	464
32—46—23	48,1	5,8	46,1	798	34—26—2	87,6	5,6	6,8	466
31	41,5	5,0	53,5	926	3	84,6	5,4	10,4	482
32—48—6	72,7	9,1	18,2	528	4	81,9	5,2	12,9	498
16	55,8	7,0	37,2	688	8	74,7	4,8	20,5	546
32	40,7	5,1	54,2	944	15	60,5	3,8	35,6	674
32—50—3	79,7	10,4	9,9	482	34—28—4	81,6	5,6	12,8	500
4	77,1	10,0	12,9	498	5	79,1	5,4	15,5	516
33	39,9	5,2	54,9	962	6	76,7	5,2	18,1	532
32—52—2	82,1	11,1	6,8	468	8	72,3	4,9	22,7	564
4	76,8	10,4	12,8	500	9	70,3	4,8	24,8	580
5	74,4	10,1	15,5	516	10	68,4	4,7	26,8	596
17	54,2	7,3	38,4	708	13	59,0	4,0	37,0	692
32—54—1	84,9	11,9	3,5	454	22	51,8	3,5	44,7	788
4	76,5	10,8	12,7	502	34—30—4	81,3	6,0	12,7	502
11	62,5	8,8	28,7	614	8	72,1	5,3	22,6	566
18	52,9	7,4	39,7	726	17	57,5	4,2	38,3	710
32—62—3	77,7	12,5	9,7	494	34—32—6	76,1	6,0	17,9	536
5	73,0	11,8	15,2	526	7	73,9	5,8	20,3	552
7	68,8	11,1	20,1	558	10	68,0	5,3	26,7	600
9	65,1	10,5	24,4	590	12	64,5	5,0	30,4	632
16	54,7	8,8	36,5	702	14	61,4	4,8	33,7	664
32—64—1	82,8	13,8	3,4	464	34—34—4	80,6	6,7	12,7	506
2	80,3	13,3	6,7	480	6	75,8	6,3	17,8	538
3	77,4	12,9	9,7	496	34—36—4	80,3	7,1	12,6	505
32—66—1	82,4	14,2	3,4	466	34—38—2	85,4	7,9	6,7	478
2	79,7	13,7	6,6	482	4	80,0	7,4	12,6	510
33—22—4	83,6	4,6	11,8	474	9	69,2	6,4	24,4	590
7	76,7	4,3	19,0	516	15	59,5	5,5	35,0	686
33—24—1	91,2	5,6	3,2	431	34—40—8	70,8	6,9	22,2	576
4	83,2	5,1	11,1	476	18	55,4	5,4	39,1	736
8	73,9	5,2	20,9	536	34—42—5	77,0	7,9	15,1	530
33—30—5	79,8	6,0	14,1	496	20	53,0	5,4	41,6	770
9	69,5	5,2	25,3	570	34—46—6	74,2	8,4	17,4	550
33—32—4	81,8	6,6	11,6	484	9	68,2	7,7	24,1	598
14	60,7	4,9	34,4	652	11	64,8	7,3	27,9	630
33—34—13	64,7	5,6	29,7	612	23	49,6	5,6	44,8	822
20	52,8	4,5	42,7	750	34—48—2	83,6	9,8	6,5	488
33—36—9	68,8	6,2	25,0	576	9	68,0	8,0	24,0	600
12	63,5	5,8	30,7	624	34—50—8	69,6	8,5	21,8	586
33—46—2	83,6	9,7	6,7	474	16	57,1	7,0	35,9	714
33—48—2	83,2	10,1	6,7	476	34—52—1	85,7	10,9	3,4	476
6	73,3	8,9	17,8	540	2	82,9	10,6	6,5	492
33—62—1	83,5	13,1	3,4	474	9	67,5	8,6	23,8	604
33—66—1	82,9	13,8	3,3	478	34—54—9	67,3	8,9	23,8	606
2	80,2	13,3	6,5	494	11	63,9	8,5	27,6	628
3	77,6	12,9	9,4	510	14	59,5	7,9	32,6	686
4	75,3	12,5	12,2	526	34—56—2	82,2	11,3	6,4	496
33—68—1	82,5	14,2	3,3	480	11	63,8	8,7	27,5	640
2	79,8	13,7	6,5	496	18	56,7	7,8	35,5	720
3	77,3	13,3	9,4	512	21	51,0	7,0	42,0	800
34—20—4	82,9	4,0	13,0	492	34—60—17	55,1	8,1	36,8	740
7	75,6	3,7	20,7	540	18	54,0	7,9	38,1	756
10	69,4	3,4	27,2	588	34—62—9	66,4	10,1	23,5	614

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
34—62—11	63,2	9,6	27,2	646	36—38—4	80,9	7,1	12,0	521
34—66—4	75,8	12,2	11,9	538	19	55,8	4,9	39,3	774
34—69—1	82,9	13,8	3,2	492	20	54,7	4,8	40,5	790
2	80,3	13,4	6,3	508	36—40—16	59,3	5,5	35,2	728
34—70—1	82,6	14,2	3,2	494	36—42—6	75,8	7,4	16,8	570
2	80,0	13,7	6,3	510	36—48—14	61,4	6,8	31,8	704
35—20—8	73,9	3,5	22,5	568	36—50—25	49,0	5,6	45,4	882
35—22—8	73,7	3,9	22,4	570	36—52—2	83,7	10,1	6,2	516
9	71,7	3,7	24,6	586	16	58,4	7,0	34,6	740
35—24—1	91,3	5,2	3,5	460	36—54—2	83,4	10,4	6,2	518
4	82,6	4,7	12,6	508	6	74,2	9,3	16,5	582
9	71,4	4,1	24,5	588	20	53,6	6,7	39,6	806
35—28—2	87,5	5,8	6,7	480	36—56—6	74,0	9,6	16,4	584
4	82,0	5,5	12,5	512	18	55,7	7,2	37,1	776
11	67,3	4,5	28,2	621	19	54,5	7,1	38,4	792
35—30—17	58,2	4,1	37,7	722	36—58—2	82,8	11,1	6,1	522
35—32—11	66,9	5,1	28,0	628	3	80,3	10,8	8,9	538
35—34—11	66,7	5,4	27,9	630	15	59,2	7,9	32,9	730
13	63,4	5,1	31,4	662	29	45,3	6,1	48,6	954
17	57,9	4,7	37,4	726	36—60—2	82,4	11,4	6,2	524
35—52—2	83,3	10,3	6,3	504	3	80,0	11,1	8,9	540
8	73,9	9,2	16,9	568	5	75,5	10,5	14,0	572
35—58—2	82,7	11,0	6,3	508	30	44,4	6,2	49,4	972
3	80,2	10,7	9,1	524	31	43,7	6,1	50,2	988
4	77,8	10,4	11,8	540	36—62—4	77,4	11,1	11,5	558
14	60,0	8,0	32,0	700	7	71,3	10,2	18,5	606
35—58—11	64,2	8,9	26,9	654	31	43,6	6,3	50,1	970
14	59,9	8,2	31,9	702	36—64—8	69,2	10,2	20,5	624
32	42,4	5,9	51,7	990	36—66—5	74,7	11,4	13,8	578
35—68—4	76,1	12,3	11,6	552	31	43,5	6,6	49,9	994
5	73,9	12,0	14,1	568	36—68—5	74,5	11,7	13,8	580
35—70—1	80,3	13,8	3,2	506	7	70,6	11,1	18,3	612
2	80,5	13,4	6,1	522	36—70—4	76,3	12,4	11,3	566
35—72—1	82,7	14,2	3,1	508	5	74,2	12,0	13,7	582
2	80,2	13,7	6,1	524	7	70,4	11,4	18,2	614
36—16—4	84,4	3,1	12,5	512	36—72—1	83,1	13,8	3,1	520
36—22—7	76,3	3,9	19,8	566	2	76,0	12,7	11,3	536
8	74,2	3,8	22,0	582	36—74—1	82,7	14,2	3,1	522
9	72,2	3,7	24,1	598	2	80,3	13,7	5,9	538
36—24—7	76,1	4,2	19,7	568	37—26—8	74,2	4,3	21,4	598
36—26—6	78,0	4,7	17,3	551	37—34—10	69,6	5,3	25,1	638
8	73,7	4,4	21,8	586	37—36—11	67,9	5,2	26,9	654
16	60,5	3,6	35,9	714	37—36—11	89,5	7,3	3,2	496
36—28—3	85,0	5,5	9,4	508	37—40—17	58,7	5,3	36,0	756
6	77,7	5,0	17,3	556	37—50—25	49,7	5,6	44,7	891
36—30—3	84,7	5,9	9,4	510	37—52—4	79,3	9,3	11,4	560
8	73,2	5,1	21,7	590	37—54—2	83,8	10,2	6,0	530
13	64,5	4,5	31,0	670	37—56—18	56,3	7,1	36,5	788
18	60,2	4,2	35,6	718	37—66—2	81,9	12,2	5,9	542
36—32—6	77,1	5,7	17,1	560	4	77,3	11,5	11,1	574
10	69,2	5,1	25,6	624	18	55,5	8,5	36,0	800
14	62,8	4,6	32,6	688	37—74—1	83,1	13,9	3,0	534
36—34—3	72,7	5,7	21,5	594	2	80,7	13,5	5,8	550
15	61,2	4,8	34,0	706	37—76—1	82,8	14,2	3,0	536
17	58,5	4,6	36,9	738	2	80,4	13,8	5,8	552
20	55,0	4,3	40,7	786	38—24—11	69,5	3,6	26,8	656
36—36—6	76,6	6,4	17,0	564	38—26—7	76,8	4,4	18,8	594
15	61,0	5,1	33,9	708	9	72,8	4,1	23,0	626
21	53,7	4,4	41,8	804	10	71,0	4,0	24,9	642

C-H-O	C %	H %	O %	M.G.	C-H-O	C %	H %	O %	M.G.
38-26-15	63.2	3.6	33.2	722	40-52-4	80.5	8.7	10.7	596
17	60.5	3.4	36.1	754	40-54-27	49.7	5.6	44.7	966
38-30-6	78.3	5.2	16.5	582	40-56-5	77.9	9.1	13.0	616
9	72.4	4.7	22.9	630	40-58-3	81.9	9.9	8.2	586
38-32-3	85.1	6.0	8.9	536	5	77.7	9.4	12.9	618
12	67.1	4.7	28.2	680	9	70.4	8.5	21.1	682
38-34-11	68.5	5.1	26.4	666	40-60-2	83.9	10.5	5.6	572
12	66.9	5.0	28.1	682	4	79.5	9.9	10.6	604
38-36-6	77.5	6.1	16.3	588	6	75.5	9.4	15.1	636
38-40-17	59.4	5.2	35.4	768	40-62-2	83.6	10.8	5.6	574
38-42-4	81.1	7.5	11.4	562	3	81.4	10.5	8.1	560
38-44-4	80.8	7.8	11.4	564	4	79.2	10.2	10.9	606
38-82-3	80.6	11.0	8.4	566	5	77.2	10.0	12.8	622
11	65.7	8.9	25.4	694	6	75.2	9.7	15.1	638
38-64-3	80.3	11.3	8.4	568	7	73.4	9.5	17.1	654
18	56.4	7.9	35.6	808	40-64-4	79.0	10.5	10.5	608
38-66-4	77.8	11.3	10.9	586	5	76.9	10.3	12.8	624
17	57.4	8.3	34.2	794	18	57.7	7.7	34.6	832
38-72-7	71.3	11.2	17.5	610	40-66-7	58.7	8.1	33.2	658
38-74-4	76.8	12.4	16.8	594	40-68-17	58.5	8.3	33.2	820
38-76-1	83.2	13.9	2.9	548	40-70-1	84.8	12.4	2.8	566
2	80.8	13.5	5.7	561	4	78.2	11.4	10.4	614
38-78-1	82.9	14.2	2.9	550	18	57.3	8.3	34.4	838
2	80.6	13.8	5.6	565	28	48.1	7.0	44.9	966
39-26-2	89.0	4.9	6.1	526	40-74-8	70.4	10.8	18.8	682
39-30-24	53.1	3.4	43.5	882	40-80-1	83.3	13.9	2.8	576
39-34-11	69.0	5.0	26.0	678	2	81.1	13.5	5.4	592
39-38-14	64.1	5.2	30.7	730	40-82-1	83.0	14.2	5.4	578
39-56-16	69.0	7.2	32.8	780	2	80.8	13.8	5.4	594
39-64-2	82.9	11.3	5.7	564	41-32-4	83.7	5.4	10.9	588
39-72-5	75.5	11.6	12.9	620	11	70.3	4.6	25.1	700
7	71.8	11.0	17.2	652	41-34-3	85.7	5.9	8.4	574
39-74-6	73.4	11.6	15.0	638	11	70.1	4.8	25.1	702
39-78-4	67.2	12.2	10.6	698	15	64.2	4.4	31.3	706
5	75.2	11.9	12.9	621	41-38-3	85.1	6.6	8.3	578
39-78-1	83.3	13.9	2.8	562	41-68-2	83.1	11.5	5.4	592
2	81.0	13.5	5.5	578	4	78.8	10.9	10.3	624
39-80-1	83.0	14.2	2.8	564	37	42.7	5.9	51.4	1152
2	80.7	13.8	5.5	580	41-74-2	82.3	12.4	5.3	598
40-22-7	78.2	3.6	18.2	611	41-78-6	73.9	11.7	14.4	666
40-24-8	75.9	3.8	20.2	632	41-82-1	83.4	13.9	2.7	599
40-26-7	77.7	4.2	18.1	618	2	81.2	13.5	5.3	666
8	75.7	4.1	20.2	634	41-84-1	83.1	14.2	2.7	592
40-28-6	79.5	4.6	15.9	604	2	80.9	13.8	5.3	606
40-30-14	65.4	4.1	30.5	734	42-22-12	70.2	3.1	26.7	718
17	61.4	3.8	34.8	782	42-30-13	67.9	4.0	28.0	742
40-32-7	76.9	5.1	18.0	621	42-32-6	79.8	5.0	15.2	632
14	65.2	4.3	30.4	736	42-34-10	72.2	4.9	22.9	698
40-34-15	63.7	4.5	31.8	751	15	64.8	4.4	30.8	778
40-36-12	67.8	5.1	27.1	708	16	63.5	4.3	32.2	794
16	62.2	4.7	33.1	772	17	62.2	4.2	33.6	819
21	56.3	4.2	39.4	852	42-36-10	72.0	5.1	22.9	700
40-38-16	62.0	4.9	33.1	774	13	67.4	4.8	27.8	748
17	60.8	4.8	34.4	799	16	63.3	4.5	32.2	796
18	59.6	4.7	35.7	806	42-38-13	67.2	5.1	27.7	750
19	58.4	4.6	37.0	822	16	63.2	4.7	32.1	798
40-40-2	86.9	7.2	5.8	552	42-40-5	80.8	6.4	12.8	624
10	70.6	5.9	23.5	680	42-44-22	56.0	4.9	39.1	900
40-50-14	63.7	6.6	29.7	754	42-46-23	54.9	5.0	40.1	918

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
42—48—16	62,4	5,9	31,7	808	45—28—2	90,0	4,7	5,3	600
27	51,2	4,9	43,9	984	45—32—2	80,4	5,3	5,3	604
42—50—22	55,6	5,5	38,9	906	45—66—1	86,8	10,6	2,6	622
42—56—15	63,0	7,0	30,0	800	45—72—3	75,2	9,2	15,6	718
42—64—10	69,2	8,8	22,0	728	45—72—3	81,8	10,9	7,3	660
42—68—12	66,1	8,6	25,2	762	45—74—4	63,4	8,4	28,2	852
42—68—4	79,2	10,7	10,1	636	45—80—28	50,6	7,5	41,9	1068
12	66,0	8,9	25,1	764	45—86—6	74,8	11,9	13,3	722
42—70—2	83,1	11,6	5,3	606	45—90—1	83,6	13,9	2,5	646
42—74—2	82,6	12,1	5,2	610	45—92—1	81,6	13,6	4,8	662
42—76—7	72,8	11,0	16,2	692	45—92—1	83,3	14,2	2,5	648
8	71,2	10,7	18,1	808	45—92—1	81,3	13,9	4,8	664
42—78—6	74,3	11,5	14,2	678	46—6—5	86,5	0,9	12,5	638
7	72,6	11,2	16,1	694	46—32—15	67,0	3,9	29,1	824
42—80—7	72,4	11,5	16,1	696	46—38—4	65,7	3,8	30,5	840
42—84—1	83,4	13,9	2,6	604	46—38—4	79,5	11,2	9,2	654
2	81,3	13,5	5,2	620	46—42—6	75,6	11,2	13,2	690
42—86—1	83,1	14,2	2,6	606	46—46—7	77,7	6,5	15,8	710
2	81,0	13,8	5,1	622	46—48—15	65,7	5,7	28,6	840
43—26—10	73,5	3,7	22,8	702	46—58—15	64,9	6,8	28,2	850
43—38—10	72,3	5,3	22,4	714	46—66—24	55,1	6,6	38,3	1002
43—46—10	71,5	6,4	22,1	722	46—68—10	70,8	8,7	20,5	780
43—50—16	62,8	6,1	31,1	822	46—72—12	67,7	8,8	23,5	816
43—76—4	78,7	11,6	9,6	656	46—76—1	85,7	11,8	2,5	644
13	64,5	9,5	26,0	800	46—80—2	83,1	12,1	4,8	664
43—84—5	75,9	12,3	11,8	680	46—84—25	53,3	8,1	38,6	1036
43—86—1	83,5	13,9	2,6	618	46—92—1	83,6	13,9	2,4	660
2	81,4	13,6	5,0	634	46—94—1	83,4	14,2	2,4	662
43—88—1	83,2	14,2	2,6	620	47—30—11	73,2	3,9	22,9	770
2	81,1	13,8	5,0	636	47—36—12	71,2	4,5	24,2	792
44—28—9	75,4	4,0	20,6	700	47—42—16	65,4	4,9	29,7	862
44—30—9	75,2	4,3	20,5	702	47—68—8	74,2	8,9	16,8	760
15	66,1	3,8	30,1	798	47—78—1	85,7	11,9	2,4	658
44—34—8	76,5	4,9	18,5	690	47—88—5	77,0	11,6	4,7	674
9	74,8	4,8	20,4	706	47—94—1	83,7	13,9	2,4	674
11	71,5	4,6	23,8	738	48—30—10	75,2	3,9	20,9	766
44—38—3	86,0	6,2	7,8	614	48—36—12	71,6	4,5	23,9	804
15	65,5	4,7	29,8	806	48—38—12	71,4	4,7	23,8	806
44—40—15	65,3	4,9	29,7	808	48—42—18	63,6	4,6	2,6	610
44—42—1	90,1	7,2	2,7	586	48—48—5	81,1	7,6	11,3	710
44—54—4	81,7	8,4	9,9	646	48—54—5	82,3	6,5	31,2	924
44—58—18	60,4	6,6	33,0	874	48—60—18	62,3	6,5	31,2	924
44—60—19	59,2	6,7	34,1	892	48—64—10	72,0	8,0	20,0	800
44—62—4	80,7	9,5	9,8	654	48—68—3	83,5	9,6	6,9	690
44—64—4	80,4	9,8	9,8	656	48—72—5	82,1	7,7	23,1	832
5	78,6	9,5	11,9	672	48—76—1	83,4	14,2	2,4	676
13	66,0	8,0	26,0	800	48—80—25	55,2	6,5	38,3	1044
44—68—5	78,1	10,1	11,8	676	48—84—10	62,8	7,6	29,6	918
14	64,4	8,3	27,3	820	48—88—5	79,1	9,9	11,0	728
16	62,0	8,0	30,0	852	48—92—5	81,1	7,6	11,3	710
44—70—4	79,8	10,6	9,6	662	48—94—1	82,3	6,5	31,2	924
44—76—2	83,0	11,9	5,0	636	48—98—1	83,6	4,6	31,8	906
44—78—2	82,8	12,2	5,0	638	48—98—1	83,6	4,6	31,8	906
44—82—3	80,2	12,5	7,3	658	48—98—3	83,5	9,6	6,9	690
44—88—1	83,6	13,9	2,5	632	48—98—5	52,1	5,9	41,9	1106
2	81,5	13,6	4,9	648	48—98—25	55,2	6,5	38,3	1044
44—90—1	83,3	14,2	2,5	634	48—98—17	62,8	7,6	29,6	918
2	81,2	13,8	4,9	650	48—72—5	79,1	9,9	11,0	728

C—H—O	C %	H %	O %	M.G.	C—H—O	C %	H %	O %	M.G.
48—72—12	68,6	8,6	22,8	840	53—106—1	83,9	14,0	2,1	758
48—74—37	46,4	5,9	47,7	1242	53—108—2	82,2	13,7	4,1	774
48—78—3	82,0	11,1	6,8	702	53—108—1	83,7	14,2	2,1	769
9	72,2	9,8	18,0	798	54—38—5	82,0	13,9	4,1	776
48—80—19	60,0	8,3	31,7	960	54—38—5	84,6	5,0	10,4	766
48—82—41	43,8	6,2	49,9	1314	54—44—22	62,1	4,2	33,7	1044
48—90—8	72,5	11,3	16,1	794	54—34	60,2	4,1	35,7	1076
48—94—2	82,0	13,4	4,6	702	54—46—17	67,1	4,8	28,1	966
48—96—1	83,7	14,0	2,3	688	54—48—18	65,8	4,9	29,2	984
2	81,8	13,6	4,5	704	54—50—21	62,7	4,8	32,5	1034
48—98—1	83,5	14,2	26,5	690	54—84—24	58,1	7,5	34,4	1116
2	81,6	13,9	20,1	706	54—86—1	86,4	11,5	2,1	750
49—34—14	69,5	4,0	4,6	846	54—90—4	80,8	11,2	8,0	846
49—48—10	73,9	6,0	20,1	796	54—90—6	77,7	10,8	11,5	834
49—68—2	85,5	9,9	4,6	688	54—96—27	55,1	8,2	36,7	1176
49—98—1	83,8	13,9	2,3	702	54—98—2	83,3	12,6	4,1	778
2	81,9	13,6	4,5	718	54—108—1	83,9	14,0	2,1	772
49—100—1	83,5	14,2	13,3	704	54—108—2	82,2	13,7	4,1	788
2	81,7	13,9	4,4	729	54—110—1	83,7	14,2	2,1	774
50—26—6	83,1	3,6	13,3	722	54—110—2	82,0	13,9	4,1	790
50—28—7	81,1	3,8	15,1	740	55—110—1	84,0	14,0	2,0	786
50—36—14	69,5	4,2	26,0	860	55—112—1	82,3	13,7	4,0	862
50—46—4	84,5	6,5	9,0	710	55—52—38	83,8	14,2	2,0	788
25	57,4	4,4	38,2	1046	55—52—37	82,1	13,9	4,0	804
50—50—6	80,4	6,7	12,9	746	56—34—17	68,7	3,5	27,8	978
11	72,6	6,0	21,3	826	56—48—24	60,9	4,3	34,8	1104
50—68—4	82,0	9,3	8,7	732	56—58—38	51,8	3,7	44,4	1296
50—70—8	75,2	8,8	16,0	795	56—50—35	52,4	3,9	43,7	1282
17	63,7	7,4	28,9	942	56—52—38	51,7	4,0	44,3	1300
50—74—28	53,5	6,6	30,9	1122	56—58—37	50,9	4,2	44,9	1320
50—82—7	75,6	10,3	14,1	794	56—58—40	49,1	4,1	46,8	1398
9	72,6	9,9	17,4	826	56—58—38	50,2	4,3	45,4	1338
50—84—3	82,0	11,5	6,5	732	56—76—29	55,4	6,3	38,3	1212
50—100—1	90,1	7,5	2,4	716	56—80—8	76,4	9,1	14,5	880
2	88,0	7,3	4,7	732	56—84—23	59,8	7,5	32,7	1124
50—102—1	89,8	7,8	2,4	718	56—88—8	75,6	10,0	14,4	888
2	87,7	7,6	4,7	734	56—96—1	85,7	12,2	2,0	784
51—82—3	82,5	11,0	6,5	742	56—112—1	84,0	14,0	2,0	800
51—98—6	75,9	12,2	11,9	804	56—114—1	83,8	14,2	2,0	802
51—102—1	83,8	14,0	2,2	730	57—34—14	72,6	3,6	23,8	942
2	82,0	13,7	4,3	746	57—72—33	53,3	5,6	41,1	1284
51—104—1	83,6	14,2	2,2	732	57—98—6	77,9	11,2	10,9	878
2	81,8	13,9	4,3	748	57—104—6	77,3	11,7	10,9	884
52—40—24	59,5	3,8	36,6	1048	57—108—6	77,0	12,1	10,8	888
52—42—1	91,5	6,2	2,3	682	57—110—6	76,8	12,4	10,8	870
52—46—23	60,1	4,4	35,5	1038	57—114—1	84,0	14,0	2,0	814
52—60—26	56,7	5,4	37,8	1100	57—114—2	82,4	13,7	3,9	830
52—70—8	75,9	8,5	15,6	822	57—116—1	83,8	14,2	2,0	816
52—82—23	58,1	7,6	34,3	1074	57—116—2	82,2	13,9	3,8	832
52—84—2	84,3	11,3	4,3	740	58—46—23	62,7	4,1	33,2	1110
52—104—1	83,9	14,0	2,1	744	58—54—14	71,5	5,5	23,9	974
2	82,1	13,7	4,2	760	58—58—13	72,3	6,0	21,6	962
52—106—1	83,7	14,2	2,1	746	58—86—31	54,5	6,7	38,8	1278
2	81,9	13,9	4,2	762	58—88—5	80,6	10,2	9,2	864
53—48—11	74,0	5,6	20,4	860	58—116—1	84,0	14,0	1,9	828
53—50—19	64,2	5,0	30,7	990	58—2	82,5	13,7	3,8	844
53—76—8	75,7	9,0	15,2	840					
53—84—19	62,1	8,2	20,7	1024					
53—104—5	77,5	12,7	9,8	820					

C—H—O	C%	H%	O%	M.G.	C—H—O	C%	H%	O%	M.G.
58—118—1	83,9	14,2	1,9	830	70—56—4	87,5	5,8	6,7	960
2	82,2	13,9	3,8	846	70—140—2	83,0	13,8	3,2	1012
59—118—1	84,1	14,0	1,9	842	71—112—59	44,6	5,9	49,4	1908
2	82,5	13,8	3,7	858	72—62—31	60,8	4,3	34,9	1422
59—120—1	83,9	14,2	1,9	844	72—66—33	50,3	4,5	36,2	1458
2	82,3	14,0	3,7	860	72—90—41	53,7	5,6	40,7	1610
60—54—27	59,7	4,5	35,8	1206	72—112—40	53,5	6,9	39,6	1616
60—98—9	75,0	10,0	15,0	960	72—114—36	55,6	7,3	37,1	1554
22	61,6	8,2	30,1	1168	72—120—6	80,0	11,1	8,9	1080
60—98—1	86,3	11,8	1,9	834	72—126—63	43,2	6,3	50,5	1968
60—104—52	43,5	6,3	50,2	1656	73—100—32	58,9	6,7	34,4	1488
60—120—1	84,1	14,0	1,9	836	75—54—15	75,4	4,5	20,1	1194
2	82,6	13,7	3,7	872	75—56—21	68,7	4,3	27,0	1202
60—122—1	83,9	14,2	1,9	858	75—102—9	78,5	8,9	13,6	1146
2	82,4	14,0	3,6	874	75—108—30	60,5	7,3	32,2	1488
61—50—18	68,4	4,7	26,9	1070	78—148—9	76,2	12,1	11,7	1238
61—96—36	52,1	6,8	41,0	1404	78—152—6	79,0	12,8	8,1	1184
62—44—16	71,3	4,2	24,5	1044	80—46—9	83,5	4,0	12,5	1150
2	82,5	10,4	7,1	902	10	82,3	3,9	13,7	1166
63—72—27	60,0	5,7	34,3	1260	80—54—2	91,8	5,1	3,1	1046
63—122—6	79,6	12,8	7,6	974	80—104—8	80,5	8,7	10,7	1192
63—124—5	78,8	12,9	8,3	960	80—120—5	82,8	10,3	6,9	1160
64—128—2	82,8	13,8	3,4	928	80—124—29	62,0	8,0	30,0	1548
65—42—17	71,3	3,8	24,9	1094	82—100—46	54,1	5,5	40,4	1820
65—48—22	66,1	4,0	29,8	1180	84—64—32	63,6	4,0	32,3	1581
65—84—8	78,6	8,5	12,9	992	86—46—25	69,8	3,1	27,1	1478
66—4—11	81,5	0,4	18,1	972	89—142—74	44,6	6,0	49,4	2394
66—40—15	73,9	3,7	22,4	1072	92—182—6	79,9	13,2	6,9	1282
66—132—2	82,9	13,8	3,3	936	93—182—6	80,1	13,0	6,9	1304
67—60—23	65,3	4,9	29,8	1232	96—102—51	55,7	4,9	39,4	2070
67—68—9	79,1	6,7	14,2	1016	96—162—81	50,3	7,1	42,6	2290
68—52—20	68,7	4,4	26,9	1188	105—96—33	66,9	5,1	28,0	1884
68—118—35	64,6	7,9	37,5	1494	114—216—11	77,7	12,3	10,0	1760
68—126—4	81,1	12,5	6,4	1006	156—160—52	65,4	5,6	29,0	2861
69—128—6	78,7	12,2	9,1	1032	216—360—180	45,1	6,1	48,8	5806

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
<b>1—1—1</b>	44,4	3,7	51,9	27	<b>2—5—3</b>	33,8	7,0	59,1	71
3	21,8	1,8	76,4	55	5	24,2	5,0	70,7	99
5	14,5	1,2	84,3	83	7	18,9	3,9	77,2	127
7	10,8	9,0	88,2	111	<b>2—6—2</b>	41,4	10,3	48,3	58
<b>1—2—2</b>	28,5	4,8	66,7	42	4	27,9	7,0	65,1	86
4	17,1	2,9	80,0	70	6	21,1	5,2	73,7	114
6	12,2	2,0	85,7	98	8	16,9	4,2	78,8	142
8	9,6	1,6	88,8	126	<b>2—7—1</b>	53,3	15,6	31,1	45
<b>1—3—1</b>	41,4	10,3	48,3	29	3	32,9	9,6	57,5	73
3	21,1	5,2	73,7	57	5	23,8	6,9	69,3	101
5	14,1	3,5	82,3	85	7	18,6	5,4	76,0	129
7	10,6	2,7	86,7	113	<b>2—8—2</b>	40,0	13,3	46,7	60
<b>1—4—2</b>	27,3	9,1	63,6	44	4	27,3	9,1	63,6	88
4	16,7	5,5	77,8	72	6	20,7	6,9	72,4	116
6	12,0	4,0	84,0	100	8	16,7	5,5	77,8	144
8	9,4	3,1	87,5	128	<b>3—1—1</b>	70,6	2,0	27,4	51
<b>1—5—1</b>	38,7	16,1	45,2	31	3	45,5	1,3	53,2	79
3	20,3	8,5	71,2	59	5	33,6	0,9	65,4	107
5	13,8	5,7	80,4	87	7	26,7	0,7	72,6	135
7	10,4	4,3	85,2	115	<b>3—2—2</b>	54,5	3,0	42,4	66
<b>1—6—2</b>	26,1	13,0	60,9	46	4	38,3	2,1	59,6	94
4	16,2	8,1	75,7	74	6	29,5	1,6	68,8	122
6	11,8	5,9	82,3	102	8	24,0	1,3	74,7	150
8	9,2	4,6	86,2	130	<b>3—3—1</b>	67,9	5,7	26,4	53
<b>2—1—1</b>	61,5	2,6	35,9	39	3	44,4	3,7	51,9	81
3	35,8	1,5	62,7	67	5	33,0	2,8	64,2	109
5	25,3	1,0	73,7	95	7	26,3	2,2	71,5	137
7	19,5	0,8	79,6	123	<b>3—4—2</b>	52,9	5,9	41,2	68
<b>2—2—2</b>	44,4	3,7	51,9	54	4	37,5	4,2	58,3	96
4	29,3	2,4	68,3	82	6	29,0	3,2	67,7	124
6	21,8	1,8	76,4	110	8	23,7	2,6	73,7	152
8	17,4	1,4	81,1	138	<b>3—5—1</b>	65,5	9,1	25,4	55
10	14,5	1,2	84,3	166	3	43,4	6,0	50,6	83
<b>2—3—1</b>	58,5	7,3	34,2	41	5	32,4	4,5	63,1	111
3	34,8	4,3	60,8	69	7	25,9	3,6	70,5	139
5	24,7	3,1	72,2	97	<b>3—6—2</b>	51,4	8,6	40,0	70
7	19,2	2,4	78,4	125	4	36,7	6,1	57,1	98
<b>2—4—2</b>	42,5	7,1	50,0	56	6	28,5	4,8	66,7	126
4	28,6	4,8	66,8	84	8	23,4	3,9	72,7	154
6	21,4	3,6	75,0	112	<b>3—7—1</b>	63,2	12,3	24,5	57
8	17,1	2,9	80,0	140	3	42,3	8,2	49,4	85
10	14,3	2,4	83,3	168	5	31,9	6,2	61,9	113
<b>2—5—1</b>	55,8	11,6	32,6	43	7	25,5	5,0	69,5	141

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
3—8—2	50,0	11,1	38,9	72	4—12—6	33,3	8,3	58,3	144
4	36,0	8,0	56,0	100	8	21,1	5,2	73,7	172
6	28,1	6,2	65,6	128	4—13—1	64,0	17,3	18,7	75
8	23,1	5,1	71,8	156	3	46,6	12,6	40,8	103
3—9—1	61,0	15,2	23,7	59	5	36,7	9,9	53,4	131
3	41,4	10,3	48,3	87	7	30,2	8,2	61,6	159
5	31,3	7,8	60,9	115	5—1—1	80,0	1,3	18,7	75
7	25,2	6,3	68,5	143	3	58,2	1,0	40,8	103
3—10—2	48,6	13,5	37,8	74	5	45,8	0,8	53,4	131
4	35,3	9,8	54,9	102	7	37,7	0,6	61,6	159
6	27,7	7,7	64,6	130	5—2—2	66,7	2,2	31,1	90
8	22,8	6,3	70,9	158	4	50,8	1,7	47,5	118
4—1—1	76,2	1,6	22,2	63	6	41,1	1,4	57,5	146
3	52,7	1,1	46,2	91	8	34,5	1,1	64,3	174
5	40,3	0,8	58,8	119	5—3—1	77,9	3,9	18,2	77
7	32,6	0,7	66,7	147	3	57,1	2,9	40,0	105
4—2—2	61,5	2,6	35,9	78	5	45,1	2,3	52,6	133
4	45,3	1,9	52,8	106	7	37,3	1,8	60,9	161
6	35,8	1,5	62,7	134	5—4—2	65,2	4,3	30,4	92
8	29,6	1,2	69,2	102	4	50,0	3,3	46,7	120
4—3—1	73,9	4,6	21,5	65	6	40,5	2,7	56,7	148
3	51,6	3,2	45,2	93	8	34,1	2,3	63,6	176
5	39,7	2,5	57,8	121	5—5—1	76,0	6,3	17,7	79
7	32,2	2,0	65,8	149	3	56,1	4,7	39,2	107
4—4—2	60,0	5,0	35,0	80	5	44,4	3,7	51,9	135
4	44,4	3,7	51,9	108	7	36,8	3,1	60,1	163
6	35,3	2,9	61,8	136	5—6—2	63,8	6,4	29,8	94
8	29,3	2,4	68,3	164	4	49,2	4,9	45,9	122
4—5—1	71,7	7,4	20,9	67	6	40,0	4,0	56,0	150
3	50,5	5,2	44,2	95	8	33,7	3,4	62,9	178
5	39,0	4,1	56,9	123	5—7—1	74,1	8,6	17,3	81
7	31,8	3,3	64,9	151	3	55,0	6,4	38,5	109
4—6—2	58,5	7,3	34,2	82	5	43,8	5,1	51,1	137
4	43,6	5,4	50,9	110	7	36,4	4,2	59,4	165
6	34,8	4,3	60,8	138	5—8—2	62,5	8,3	29,2	96
8	28,9	3,6	67,5	166	4	48,4	6,4	45,2	124
4—7—1	69,6	10,1	20,3	69	6	39,5	5,2	55,3	152
3	49,5	7,2	43,3	97	8	33,3	4,4	62,2	180
5	38,4	5,6	56,0	125	5—9—1	72,3	10,8	16,9	83
7	31,4	4,6	64,0	153	3	54,0	8,1	37,8	111
4—8—2	57,1	9,5	33,3	84	5	43,2	6,5	50,0	139
4	42,8	7,1	50,0	112	7	35,9	5,4	68,7	167
6	34,3	5,7	60,0	140	5—10—2	61,2	10,2	28,6	98
8	28,6	4,8	66,8	168	4	47,6	7,9	44,4	126
20	14,3	2,4	83,3	336	6	39,0	6,5	54,5	154
4—9—1	67,6	12,7	19,7	71	8	33,0	5,5	61,5	182
3	48,5	9,1	42,4	99	5—11—1	70,6	12,9	16,4	85
5	37,8	7,1	55,1	127	3	53,1	9,7	37,2	113
7	31,0	5,8	63,2	155	5	42,6	7,8	49,6	141
4—10—2	55,8	11,6	32,6	86	7	35,5	6,5	58,0	169
4	42,1	8,8	49,1	114	5—12—2	60,0	12,0	28,0	100
6	33,8	7,0	59,1	142	4	46,9	9,4	43,7	128
8	28,2	5,9	65,9	170	6	38,5	7,7	53,8	156
4—11—1	65,7	15,1	19,2	73	8	32,6	6,5	60,9	184
3	47,5	10,9	41,6	101	5—13—1	68,9	14,9	16,1	87
5	37,2	8,5	54,3	129	3	52,2	11,3	36,5	115
7	30,5	7,0	62,4	157	5	42,0	9,1	48,9	143
4—12—2	54,6	13,6	31,8	88	7	35,1	7,6	57,3	171
4	41,4	10,3	48,3	116	5—14—2	58,8	13,7	27,5	102

C—H—N	C %	H %	N %	M. G.	C—H—N	C %	H %	N %	M. G.
<b>5—14—4</b>	46,1	10,8	43,1	130	<b>6—16—4</b>	50,0	11,1	38,9	144
<b>6</b>	38,0	8,8	53,2	158	<b>6</b>	41,9	9,3	48,8	172
<b>8</b>	32,2	7,5	60,2	186	<b>8</b>	36,0	8,0	56,0	200
<b>6—3—1</b>	80,9	3,4	15,7	89	<b>6—17—1</b>	69,9	16,5	13,6	103
<b>3</b>	61,5	2,6	35,9	117	<b>3</b>	55,0	12,8	32,1	131
<b>5</b>	49,6	2,1	48,3	145	<b>5</b>	45,3	10,7	44,0	159
<b>7</b>	41,6	1,7	56,6	173	<b>7</b>	28,5	9,1	52,4	187
<b>9</b>	35,8	1,5	62,7	201	<b>6—18—2</b>	61,0	15,2	23,7	118
<b>6—4—2</b>	69,2	3,8	26,9	104	<b>4</b>	49,3	12,3	38,4	146
<b>4</b>	54,5	3,0	42,4	132	<b>6</b>	41,4	10,3	48,3	174
<b>6</b>	45,0	2,5	52,5	160	<b>8</b>	35,6	8,9	55,4	202
<b>8</b>	38,3	2,1	59,6	188	<b>7—4—2</b>	72,4	3,4	24,1	116
<b>6—5—1</b>	79,1	5,5	15,4	91	<b>4</b>	58,3	2,8	38,9	144
<b>3</b>	60,5	4,2	35,3	119	<b>6</b>	48,8	2,3	48,8	172
<b>5</b>	49,0	3,4	47,6	147	<b>8</b>	42,0	2,0	56,0	200
<b>7</b>	41,1	2,9	56,0	175	<b>7—5—1</b>	81,6	4,8	13,6	103
<b>6—6—2</b>	67,9	5,7	26,4	106	<b>3</b>	64,1	3,8	32,1	131
<b>4</b>	53,7	4,5	41,8	134	<b>5</b>	52,8	3,1	44,0	159
<b>6</b>	44,4	3,7	51,9	162	<b>7</b>	44,9	2,7	52,4	187
<b>8</b>	37,9	3,1	59,0	190	<b>7—6—2</b>	71,2	5,1	23,7	118
<b>10</b>	33,0	2,8	64,2	218	<b>4</b>	57,5	4,1	38,4	146
<b>6—7—1</b>	77,4	7,5	15,0	93	<b>6</b>	48,3	3,4	48,3	174
<b>3</b>	59,5	5,8	34,7	121	<b>8</b>	41,6	3,0	55,4	202
<b>5</b>	48,3	4,7	47,0	149	<b>7—7—1</b>	80,0	6,7	13,3	105
<b>7</b>	40,7	3,9	45,4	177	<b>3</b>	63,1	5,3	31,6	133
<b>6—8—2</b>	66,7	7,4	25,9	108	<b>5</b>	52,2	4,3	43,5	161
<b>4</b>	52,9	5,9	41,2	136	<b>7</b>	44,4	3,7	51,9	189
<b>6</b>	43,9	4,9	51,2	164	<b>7—8—2</b>	70,0	6,7	23,3	120
<b>8</b>	37,5	4,2	58,3	192	<b>4</b>	56,7	5,4	37,8	148
<b>6—9—1</b>	75,8	9,5	14,7	95	<b>6</b>	47,7	4,5	47,7	176
<b>3</b>	58,5	7,3	34,2	123	<b>8</b>	41,2	3,9	54,9	204
<b>5</b>	47,7	6,0	46,3	151	<b>7—9—1</b>	78,5	8,4	13,1	107
<b>7</b>	40,2	5,0	54,8	179	<b>3</b>	62,2	6,7	31,1	135
<b>11</b>	30,6	3,8	65,5	235	<b>5</b>	51,5	5,5	42,9	163
<b>6—10—2</b>	65,5	9,1	25,4	110	<b>7</b>	44,0	4,7	51,3	191
<b>4</b>	52,2	7,2	40,6	138	<b>7—10—2</b>	68,8	8,2	23,0	122
<b>6</b>	43,4	6,0	50,6	166	<b>4</b>	56,0	6,7	37,3	150
<b>8</b>	37,1	5,2	57,7	194	<b>6</b>	47,2	5,6	47,2	178
<b>6—11—1</b>	74,2	11,3	14,4	97	<b>8</b>	40,8	4,8	54,4	206
<b>3</b>	57,6	8,8	33,6	125	<b>7—11—1</b>	77,1	10,1	12,8	109
<b>5</b>	47,1	7,2	45,7	153	<b>3</b>	61,3	8,0	30,7	137
<b>7</b>	39,8	6,1	54,1	181	<b>5</b>	72,7	6,7	42,4	165
<b>6—12—2</b>	64,3	10,7	25,0	112	<b>7</b>	43,5	5,7	50,8	193
<b>4</b>	51,4	8,6	40,0	140	<b>7—12—2</b>	67,7	9,7	22,6	124
<b>6</b>	42,8	7,1	50,0	168	<b>4</b>	55,3	7,9	36,8	152
<b>8</b>	36,7	6,1	57,1	196	<b>6</b>	46,7	6,6	46,7	180
<b>6—13—1</b>	72,7	13,1	14,1	99	<b>8</b>	40,4	5,8	53,8	208
<b>3</b>	56,7	10,2	33,1	127	<b>7—13—1</b>	75,7	11,7	12,6	111
<b>5</b>	46,4	8,4	45,2	155	<b>3</b>	60,4	9,4	30,2	139
<b>7</b>	39,3	7,1	53,5	183	<b>5</b>	50,3	7,8	41,9	167
<b>6—14—2</b>	63,2	12,3	24,5	114	<b>7</b>	43,1	6,7	50,2	195
<b>4</b>	50,7	9,8	39,4	142	<b>7—14—2</b>	66,7	11,1	22,2	126
<b>6</b>	42,3	8,2	49,4	170	<b>4</b>	54,5	9,1	36,4	154
<b>8</b>	36,4	7,1	56,5	198	<b>6</b>	46,1	7,7	46,1	182
<b>6—15—1</b>	71,3	14,8	13,9	101	<b>8</b>	40,0	6,7	53,3	210
<b>3</b>	55,8	11,6	32,6	129	<b>7—15—1</b>	74,3	13,3	12,4	113
<b>5</b>	45,9	9,5	44,6	157	<b>3</b>	59,6	10,6	29,8	141
<b>7</b>	38,9	8,1	53,0	185	<b>5</b>	49,7	8,9	41,4	169
<b>6—16—2</b>	62,1	13,8	24,1	116	<b>7</b>	42,6	7,6	49,7	197

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
7—16—2	65,5	12,5	21,9	128	8—15—7	45,9	7,2	46,9	209
4	53,8	10,3	35,9	156	8—16—2	68,6	11,4	20,0	140
6	45,6	8,7	45,6	184	4	57,1	9,5	33,3	168
8	39,6	7,5	52,8	212	6	49,0	8,2	42,8	196
7—17—1	73,0	14,8	12,2	115	8	42,8	7,1	50,0	224
3	58,7	11,9	29,4	143	8—17—1	75,6	13,4	11,0	127
5	49,1	9,9	40,9	171	3	61,9	11,0	27,1	155
7	42,2	8,5	49,2	199	5	52,5	9,3	38,2	183
7—18—2	64,6	13,8	21,5	130	7	45,5	8,0	45,5	211
4	53,2	11,4	35,4	158	8—18—2	67,6	12,7	19,7	142
6	45,1	9,7	45,1	186	4	56,4	10,6	32,9	170
8	39,2	8,4	52,3	214	6	48,5	9,1	42,4	198
8—4—2	75,0	3,1	21,9	128	8	42,5	8,0	49,5	226
4	61,5	2,6	35,9	156	8—19—1	74,4	14,7	10,9	129
6	52,2	2,2	45,6	184	3	61,2	12,1	26,7	157
8	45,3	1,9	52,8	212	5	51,9	10,3	37,8	185
8—5—1	S3,5	4,3	12,2	115	7	45,0	8,9	46,0	213
3	67,1	3,5	29,4	143	8—20—2	66,7	13,9	19,4	144
5	56,1	2,9	40,9	171	4	55,8	11,6	32,6	172
7	48,2	2,5	49,2	199	6	48,0	10,0	42,0	200
8—6—2	73,9	4,6	21,5	130	8	42,1	8,8	49,1	228
4	60,8	3,8	35,4	158	8—21—1	73,3	16,0	10,7	131
6	51,6	3,2	45,2	186	3	60,4	13,2	26,4	159
8	44,9	2,8	52,3	214	5	51,3	11,2	37,4	187
8—7—1	82,0	6,0	12,0	117	7	44,6	9,8	45,6	215
3	66,2	4,8	29,0	145	9—3—1	86,4	2,4	11,2	125
5	55,5	4,0	40,5	173	3	70,6	2,0	27,4	153
7	47,7	3,5	48,7	201	5	79,7	1,6	38,7	181
8—8—2	72,7	6,1	21,2	132	7	51,7	1,4	46,9	209
4	60,0	5,0	35,0	160	13	45,6	1,3	53,1	237
6	51,1	4,2	44,7	188	9—4—2	77,1	2,9	20,0	140
8	44,4	3,7	51,9	216	4	64,3	2,4	33,3	168
8—9—1	80,6	7,6	11,8	119	6	55,1	2,0	42,8	196
3	65,3	6,1	28,6	147	8	48,2	1,8	50,0	224
5	54,9	5,1	40,0	175	9—5—1	85,0	3,9	11,0	127
7	47,3	4,4	48,3	203	3	69,7	3,2	27,1	155
8—10—2	71,7	7,4	20,9	134	5	59,0	2,7	38,2	183
4	59,3	6,2	34,5	162	7	51,2	2,4	46,4	211
6	50,5	5,2	44,2	190	9—6—2	76,0	4,2	19,7	142
8	44,0	4,6	51,4	218	4	63,5	3,5	32,9	170
8—11—1	79,3	9,1	11,6	121	6	54,5	3,0	42,4	198
3	64,4	7,4	28,2	149	8	47,8	2,6	49,6	226
5	54,2	6,2	39,6	177	9—7—1	83,7	5,4	10,8	129
7	46,8	5,4	47,8	205	3	68,8	4,4	26,7	157
8—12—2	70,6	8,8	20,6	136	5	58,4	3,8	37,8	185
4	58,5	7,3	34,2	164	7	50,7	3,3	46,0	213
6	50,0	6,2	43,8	192	9—8—2	75,0	5,6	19,4	144
8	43,6	5,4	50,9	229	4	62,8	4,6	32,6	172
8—13—1	78,0	10,6	11,4	123	6	54,0	4,0	42,0	200
3	63,6	8,6	27,8	151	8	47,4	3,5	49,1	225
5	53,6	7,2	39,1	179	9—9—1	82,4	6,9	10,7	131
7	46,4	6,3	47,3	207	3	67,9	5,7	26,4	159
8—14—2	69,6	10,1	20,3	138	5	57,8	4,8	37,4	187
4	57,8	8,4	33,7	166	7	50,2	4,2	45,6	215
6	49,5	7,2	43,3	194	9—10—2	74,0	6,8	19,2	146
8	43,2	6,3	50,4	222	4	62,1	5,7	32,2	174
8—15—1	76,8	12,0	11,2	125	6	53,5	4,9	41,6	202
3	62,7	9,8	27,4	153	8	47,0	4,3	48,7	230
5	53,0	8,3	38,7	181	9—11—1	81,2	8,3	10,5	133

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
9—11—3	67.1	6.8	26.1	161	10—8—2	76.9	5.1	17.9	156
5	57.1	5.8	37.0	189	4	65.2	4.3	30.4	184
7	49.8	5.1	45.1	219	6	56.6	3.8	39.6	212
9—12—2	73.0	8.1	18.9	148	8	50.0	3.3	46.7	240
4	61.4	6.8	31.8	176	10—9—1	83.9	6.3	9.8	143
6	52.9	5.9	41.2	204	3	70.2	5.3	24.5	171
8	46.5	5.2	48.3	232	5	60.3	4.5	35.2	199
9—13—1	80.0	9.6	10.4	135	7	52.9	4.0	43.1	227
3	66.2	8.0	25.8	163	10—10—2	76.0	6.3	17.7	158
5	56.6	6.8	36.6	191	4	64.5	5.4	30.1	186
7	49.3	5.9	44.7	219	6	56.1	4.7	39.2	214
9—14—2	72.0	9.3	18.7	150	8	49.6	4.1	46.3	242
4	60.7	7.8	31.5	178	10—11—1	82.8	7.6	9.6	145
6	52.4	6.8	40.8	206	3	69.4	6.3	24.3	173
8	46.1	6.0	47.9	234	5	59.7	5.5	34.8	201
9—15—1	78.8	10.9	10.2	137	7	52.4	4.8	42.8	229
3	65.5	9.1	25.4	165	10—12—2	75.0	7.5	17.5	160
5	56.0	7.7	36.3	193	4	63.8	6.4	29.8	188
7	48.9	6.8	44.3	221	6	55.5	5.5	38.9	216
9—16—2	71.1	10.5	18.4	152	8	49.2	4.9	45.9	244
4	60.0	8.9	31.1	180	10—13—1	81.6	8.8	9.5	147
6	51.9	7.7	40.4	208	3	68.6	7.4	34.0	175
8	45.8	6.8	47.4	236	5	59.1	6.4	34.5	203
9—17—1	77.7	12.2	10.1	139	7	52.0	5.6	42.4	231
3	64.7	10.2	25.1	167	10—14—2	74.1	8.6	17.3	162
5	55.4	8.7	35.9	195	4	63.2	7.3	29.5	190
7	48.4	7.6	43.9	223	6	55.0	6.4	38.5	218
9—18—2	70.1	11.7	18.2	154	8	48.8	5.7	45.5	246
4	59.3	9.9	30.8	182	10—15—1	80.5	10.1	9.4	149
6	51.4	8.6	40.0	210	3	67.8	8.5	23.7	177
8	45.4	7.6	47.0	238	5	58.5	7.3	34.2	205
9—19—1	76.6	13.5	9.9	141	7	51.5	6.4	42.1	233
3	63.9	11.2	24.8	169	10—16—2	73.1	9.7	17.1	164
5	54.8	9.6	35.5	197	4	62.5	8.3	29.2	192
7	48.0	8.4	43.5	225	6	54.5	7.3	38.2	220
9—20—2	69.2	12.8	17.9	156	8	48.4	6.4	45.2	248
4	58.7	10.9	30.4	184	10—17—1	79.5	11.2	9.3	151
6	50.9	9.4	39.6	212	3	67.0	9.5	23.5	179
8	45.0	8.3	46.7	240	5	58.0	8.2	33.8	207
9—21—1	75.5	14.7	9.8	143	7	51.1	7.2	41.7	235
3	63.2	12.3	24.5	171	10—18—2	72.3	10.8	16.9	166
5	54.3	10.5	35.2	199	4	61.9	9.3	28.8	194
7	47.6	9.2	43.2	227	6	54.0	8.1	37.8	222
9—22—2	68.4	13.9	17.7	158	8	48.0	7.2	44.8	250
4	58.1	11.8	30.1	186	10—19—1	78.4	12.4	9.1	153
6	50.5	10.3	39.2	214	3	66.3	10.5	23.2	181
8	44.6	9.1	46.3	242	5	57.4	9.1	33.5	209
10—5—1	86.3	3.6	10.1	139	7	50.6	8.0	41.3	237
3	71.9	3.0	25.1	167	10—20—2	71.4	11.9	16.7	168
5	61.5	2.6	35.9	195	4	61.2	10.2	28.6	196
7	53.8	2.2	44.0	223	6	53.0	8.9	37.5	224
10—6—2	77.9	3.9	18.2	154	8	47.6	7.9	44.4	252
4	65.9	3.3	30.8	182	10—21—1	77.4	13.5	9.0	155
6	57.1	2.9	40.0	210	3	65.6	11.5	22.9	183
8	50.4	2.5	47.0	238	5	56.9	9.9	33.2	211
10—7—1	85.1	5.0	9.9	141	7	50.2	8.8	41.0	239
3	71.0	4.1	24.8	169	10—22—2	70.6	12.9	16.4	170
5	60.9	3.5	35.5	197	4	60.6	11.1	28.3	198
7	53.3	3.1	43.6	225	6	53.1	9.7	37.2	226

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
10—22—8	47,2	8,7	44,1	254	11—16—4	64,7	7,8	27,4	204
10—23—1	76,4	14,6	8,9	157	8	56,9	6,9	36,2	232
3	64,9	12,4	22,7	185	8	50,8	6,1	43,1	260
5	56,3	10,8	32,9	213	11—17—1	81,0	10,4	8,8	163
7	49,8	9,5	40,7	241	3	60,1	8,9	22,0	191
10—24—2	69,8	13,9	16,3	172	5	60,3	7,8	31,9	219
4	60,0	12,0	28,0	200	7	53,4	6,9	39,7	247
6	52,6	10,5	36,8	228	11—18—2	74,2	10,1	15,7	178
8	46,9	9,4	43,7	256	4	64,1	8,7	27,2	206
10—25—1	75,5	15,7	8,8	159	6	56,4	7,7	35,9	234
3	64,2	13,4	22,4	187	8	50,4	6,9	42,7	202
5	55,8	11,6	32,6	215	11—19—1	80,0	11,5	8,5	165
7	49,4	10,3	40,3	243	3	68,4	9,8	21,7	193
10—26—2	68,9	14,9	16,1	174	5	59,7	8,6	31,7	221
4	59,4	12,9	27,7	202	7	53,0	7,6	39,3	249
6	52,2	11,3	36,5	230	11—20—2	73,3	11,1	15,6	180
8	46,5	10,1	43,4	258	4	63,5	9,6	26,9	208
11—5—3	73,7	2,8	23,5	179	6	55,9	8,5	35,6	236
11—6—2	79,5	3,6	16,9	166	8	50,0	7,6	42,4	264
4	68,0	3,1	28,9	194	11—21—1	79,0	12,6	8,4	167
6	59,4	2,7	37,8	222	3	67,7	10,7	21,5	195
8	52,8	2,4	44,8	250	5	59,2	9,4	31,4	223
11—7—1	86,3	4,6	9,1	153	7	52,6	8,4	39,0	251
3	72,9	3,9	23,2	181	11—22—2	72,5	12,1	15,4	182
5	63,2	3,3	33,5	209	4	62,8	10,5	26,7	210
7	55,7	2,9	41,3	237	6	55,5	9,2	35,3	238
11—8—2	78,5	4,8	16,7	168	8	49,6	8,3	42,1	266
4	67,3	4,1	28,6	196	11—23—1	78,1	13,6	8,3	169
6	58,9	3,6	37,5	224	3	67,0	11,7	21,3	197
8	52,4	3,2	44,4	252	5	58,6	10,2	31,1	225
11—9—1	85,2	5,8	9,0	155	7	52,2	9,1	38,7	233
3	72,1	4,9	22,9	183	11—24—2	71,7	13,0	15,2	184
5	62,6	4,2	33,2	211	4	62,3	11,3	26,4	212
7	55,2	3,8	41,0	239	6	55,0	10,0	45,0	240
11—10—2	77,6	5,9	16,5	170	8	49,3	8,9	41,8	268
4	66,7	5,0	28,3	198	11—25—1	77,2	24,6	8,2	171
6	58,4	4,4	37,2	226	3	66,3	12,6	21,1	199
8	52,0	3,9	44,1	254	5	58,1	11,0	30,8	227
11—11—1	84,1	7,0	8,9	157	7	51,8	9,8	38,4	255
3	71,3	5,9	22,7	185	11—26—2	70,9	14,0	15,0	186
5	62,0	5,1	32,9	213	4	61,7	12,1	26,2	214
7	54,8	4,5	40,7	241	6	54,5	10,7	34,7	242
11—12—2	76,7	7,0	16,3	172	8	48,9	9,6	41,5	270
4	66,0	6,0	28,0	200	12—6—2	80,9	3,4	15,7	178
6	57,9	5,3	36,8	228	4	69,9	2,9	27,2	206
8	51,6	4,7	43,7	256	6	61,5	2,6	35,9	234
11—13—1	83,0	8,2	8,8	159	8	55,0	2,3	42,7	262
3	70,6	6,9	22,5	187	12—7—1	87,3	4,2	8,5	165
5	61,4	6,0	32,6	215	3	74,6	3,6	21,8	193
7	54,3	5,3	40,3	243	5	65,1	3,2	31,7	221
11—14—2	75,8	8,0	16,1	174	7	57,5	2,8	39,3	249
4	65,3	6,9	27,7	202	12—8—2	80,0	4,4	15,6	180
6	57,4	6,1	36,5	230	4	69,2	3,8	26,9	208
8	51,2	5,4	43,4	258	6	61,0	3,4	35,6	236
11—15—1	82,0	9,3	8,7	161	8	54,5	3,0	42,4	264
3	69,8	7,9	22,2	189	12—9—1	86,2	5,4	8,4	167
5	60,8	6,9	32,3	217	3	73,9	4,6	21,5	195
7	53,9	6,1	40,0	245	5	64,6	4,0	31,4	223
11—16—2	75,0	9,1	15,9	176	7	57,4	3,6	39,0	251

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
12—9—9	51,6	3,2	43,2	279	12—24—8	57,1	9,5	33,3	252
12—10—2	79,1	5,5	15,4	182	6	51,4	8,6	40,0	280
4	68,6	4,7	26,7	210	12—25—1	78,7	13,7	7,6	183
6	60,5	4,2	33,3	238	3	68,2	11,8	19,9	211
8	54,1	3,7	42,1	266	5	60,2	10,5	29,3	239
12—11—1	85,2	6,5	8,3	169	7	53,9	9,4	36,7	267
3	73,1	5,6	21,3	197	12—26—2	72,7	13,1	14,1	198
5	64,0	4,9	31,1	225	4	63,7	11,5	24,8	226
7	56,9	4,3	38,7	253	6	56,7	10,2	33,1	254
12—12—2	78,3	6,5	15,2	184	8	51,1	9,2	39,7	282
4	67,9	5,7	26,4	212	12—27—1	77,8	14,6	7,6	185
6	60,0	5,0	35,0	240	3	67,6	12,7	19,7	213
8	53,7	4,5	41,8	268	5	59,7	11,2	29,0	241
12—13—1	84,2	7,6	8,2	171	7	53,5	10,0	36,4	260
3	72,4	6,5	21,1	199	12—28—2	72,0	14,0	14,0	200
5	63,4	5,7	30,8	227	4	63,2	12,3	24,5	228
7	56,5	5,1	38,4	255	6	56,2	10,9	32,8	256
12—14—2	77,4	7,5	15,0	186	8	50,7	9,8	39,4	284
4	67,3	6,5	26,2	214	12—29—1	77,0	15,5	7,5	187
6	59,5	5,8	34,7	242	3	67,0	13,5	19,5	215
8	53,3	5,2	41,4	270	5	59,2	11,9	28,8	243
12—15—1	83,2	8,7	8,1	173	7	53,1	10,7	36,2	271
3	71,7	7,4	20,9	201	12—30—2	71,3	14,8	13,9	202
5	62,9	6,5	30,6	220	4	62,6	13,0	24,3	230
7	56,0	5,8	38,1	257	6	55,8	11,6	32,6	258
12—16—2	76,6	8,5	14,9	188	8	50,3	10,5	39,2	286
4	66,7	7,4	25,9	216	12—31—1	70,2	16,4	7,4	189
6	59,0	6,6	34,4	244	3	66,3	14,3	19,4	217
8	52,9	5,9	41,2	272	5	58,8	12,6	28,6	245
12—17—1	82,3	9,7	8,0	175	7	52,7	11,3	35,9	273
3	70,9	8,4	20,7	203	13—7—1	88,1	4,0	7,9	177
5	62,3	7,4	30,3	231	3	76,1	3,4	20,5	205
7	55,6	6,6	37,8	259	5	67,0	3,0	30,0	233
12—18—2	75,8	9,5	14,7	190	7	59,8	2,7	37,5	261
4	66,1	8,2	25,7	218	13—8—2	81,3	4,1	14,6	192
6	58,5	7,3	34,2	246	4	70,9	3,6	25,4	220
8	52,5	6,6	40,9	274	6	62,9	3,2	33,9	248
12—19—1	81,4	10,7	7,9	177	8	56,5	2,9	40,6	276
3	70,2	9,3	20,5	205	13—9—1	87,1	5,0	7,8	179
5	61,8	8,2	30,0	233	3	75,3	4,3	20,3	207
7	55,2	7,3	37,5	261	5	66,4	3,8	29,8	235
12—20—2	75,9	10,4	14,6	192	7	59,3	3,4	37,3	263
4	65,5	9,1	25,4	220	13—10—2	80,4	5,2	14,4	194
6	58,1	8,1	33,8	248	4	70,3	4,5	25,2	222
8	52,2	7,2	40,6	276	6	62,4	4,0	33,6	250
12—21—1	80,4	11,7	7,8	179	8	56,1	3,6	40,3	278
3	69,6	10,1	20,3	207	13—11—1	86,2	6,1	7,7	181
5	61,2	8,9	29,8	235	3	74,6	5,3	20,1	209
7	54,7	8,0	37,3	263	5	65,8	4,6	29,5	237
12—22—2	74,2	11,3	14,4	194	7	58,9	4,1	37,0	265
4	64,9	9,9	25,2	222	13—12—2	79,6	6,1	14,3	196
6	57,6	8,8	33,6	250	4	69,6	5,4	25,0	224
8	51,8	7,9	40,3	278	6	61,9	4,8	33,3	252
12—23—1	79,6	12,7	7,7	181	8	55,7	4,3	40,0	280
3	68,9	11,0	20,1	209	13—13—1	85,2	7,1	7,6	183
5	60,8	9,7	29,5	237	3	73,9	6,2	19,9	211
7	54,3	8,7	37,0	265	5	65,3	5,4	29,3	239
12—24—2	73,4	12,2	14,3	196	7	58,4	4,9	36,7	267
4	64,3	10,7	25,0	224	13—14—2	78,8	7,2	14,1	198

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
13—14—4	69,0	6,2	24,8	226	13—29—1	78,4	14,6	7,0	199
6	61,4	5,5	33,1	254	3	68,7	12,8	18,5	227
8	55,3	5,0	39,7	282	5	61,2	11,4	27,4	255
13—15—1	84,3	8,1	7,6	185	7	55,1	10,3	34,6	283
3	73,3	7,0	19,7	213	13—30—2	72,9	14,0	13,1	214
5	64,7	6,2	29,0	241	4	64,5	12,4	23,1	242
7	58,0	5,6	36,4	269	6	57,8	11,1	31,1	270
13—16—2	78,0	8,0	14,0	200	8	52,4	10,0	37,6	298
4	68,4	7,0	24,6	228	13—31—1	77,6	15,4	7,0	201
6	60,9	6,2	32,8	256	3	68,1	13,5	18,3	229
8	54,9	5,6	39,4	284	5	60,7	12,1	27,2	257
13—17—1	83,4	9,1	7,5	187	7	54,7	10,9	34,4	285
3	72,6	7,9	19,5	215	13—32—2	72,2	14,8	13,0	216
5	64,2	7,0	28,8	243	4	63,9	13,1	23,0	244
7	57,6	6,3	36,1	271	6	57,3	11,8	30,9	272
13—18—2	77,2	8,9	13,9	202	8	52,0	10,7	37,3	300
4	67,8	7,8	24,3	230	14—8—2	82,3	3,9	13,7	201
6	60,5	7,0	32,5	258	4	72,4	3,4	24,1	232
8	54,5	6,3	39,2	286	6	64,6	3,1	32,3	260
13—19—1	82,5	10,1	7,4	189	8	58,3	2,8	38,9	288
3	71,9	8,7	19,3	217	14—9—1	88,0	4,7	7,3	191
5	63,7	7,7	28,6	245	3	76,7	4,1	19,2	219
7	57,1	7,0	35,9	273	5	68,0	3,6	28,3	247
13—20—2	76,5	9,8	13,7	204	7	61,1	3,3	35,6	275
4	67,2	8,6	24,1	232	14—10—2	81,6	4,8	13,6	206
6	60,0	7,7	32,3	260	4	71,8	4,3	23,9	234
8	54,2	6,9	38,9	288	6	64,1	3,8	32,1	262
13—21—1	81,7	11,0	7,3	191	8	57,9	3,4	38,6	290
3	71,2	9,6	19,2	219	14—11—1	87,0	5,7	7,2	193
5	63,2	8,5	28,3	247	3	76,0	5,0	19,0	221
7	56,7	7,6	35,6	275	5	67,5	4,4	28,1	249
13—22—2	75,7	10,7	13,6	206	7	60,6	4,0	35,4	277
4	66,7	9,4	23,9	234	14—12—2	80,8	5,8	13,4	208
6	59,4	8,4	32,1	262	4	71,2	5,1	23,7	236
8	53,8	7,6	38,6	290	6	63,6	4,5	31,8	264
13—23—1	80,8	11,9	7,2	193	8	57,5	4,1	38,4	292
3	70,6	10,4	19,0	221	14—13—1	86,1	6,7	7,2	195
5	62,6	9,2	28,1	249	3	75,3	5,8	18,8	223
7	56,3	8,3	35,4	277	5	66,9	5,2	27,9	251
13—24—2	75,0	11,5	13,5	208	7	60,2	4,6	35,1	279
4	66,1	10,2	23,7	236	14—14—2	80,0	6,7	13,3	210
6	59,1	9,1	31,8	264	4	70,6	5,9	23,5	238
8	53,4	8,2	38,3	292	6	63,1	5,3	31,6	266
13—25—1	80,0	12,8	7,2	195	8	57,1	4,8	38,1	294
3	70,0	11,2	18,8	223	14—15—1	85,3	7,6	7,1	197
5	62,1	10,0	27,9	251	3	74,6	6,7	18,7	225
7	55,9	9,0	35,1	279	5	66,4	5,9	27,7	253
13—26—2	74,3	12,4	13,3	210	7	59,8	5,3	34,9	281
4	65,5	10,9	23,5	238	14—16—2	79,2	7,5	13,2	212
6	58,6	9,8	31,6	266	4	70,0	6,7	23,3	240
8	53,1	8,8	38,1	294	6	62,7	6,0	31,3	268
13—27—1	79,2	13,7	7,1	197	8	56,7	5,4	37,8	296
3	69,3	12,0	18,7	225	14—17—1	84,4	8,5	7,0	199
5	61,6	10,7	27,7	253	3	74,0	7,5	18,5	227
7	55,5	9,6	34,9	281	5	65,9	6,7	27,4	255
13—28—2	73,6	13,2	13,2	212	7	59,4	6,0	34,6	283
4	65,0	11,7	23,3	240	4	69,4	7,4	23,1	214
6	58,2	10,4	31,3	268	6	62,2	6,7	31,1	270
8	52,7	9,5	37,8	296					

C—H—N	C %	H %	N %	M. G.	C—H—N	C %	H %	N %	M. G.
14—18—8	56,4	6,0	37,6	298	14—33—5	62,0	12,2	25,8	271
14—19—1	83,6	9,4	7,0	201	7	56,2	11,0	32,7	299
3	73,4	8,3	18,3	229	15—8—2	83,3	3,7	13,0	216
5	65,4	7,3	27,2	257	4	73,8	3,3	22,9	244
7	58,9	6,7	34,4	285	6	66,2	2,9	30,9	272
14—20—2	77,8	9,2	13,0	216	8	60,0	2,7	37,3	300
4	68,8	8,2	23,0	244	15—9—1	88,7	4,4	6,9	203
6	61,8	7,3	30,9	272	3	77,9	3,9	18,2	231
8	56,0	6,7	37,3	300	5	69,5	3,5	27,0	259
14—21—1	82,8	10,3	6,9	203	7	62,7	3,1	34,1	287
3	72,7	9,1	18,2	231	15—10—2	82,6	4,6	12,8	218
5	64,9	8,1	27,0	259	4	73,2	4,1	22,7	246
7	58,5	7,3	34,2	287	6	65,7	3,6	30,7	274
14—22—2	77,1	10,1	12,8	218	8	59,6	3,3	37,1	302
4	68,3	8,9	22,7	246	15—11—1	87,8	5,4	6,8	205
6	61,3	8,0	30,7	274	3	77,3	4,7	18,0	233
8	55,6	7,3	37,1	302	5	69,0	4,2	26,8	261
14—23—1	82,0	11,2	6,8	205	7	62,3	3,8	33,9	289
3	72,1	9,9	18,0	233	15—12—2	81,8	5,4	12,7	220
5	64,4	8,8	26,8	261	4	72,6	4,8	22,6	248
7	58,1	8,0	33,9	289	6	65,2	4,3	30,4	276
14—24—2	76,4	10,9	12,7	220	8	59,2	3,9	36,8	304
4	67,7	9,7	22,6	248	15—13—1	87,0	6,3	6,6	207
6	60,9	8,7	30,4	276	3	76,6	5,5	17,9	235
8	55,3	7,9	36,8	304	5	68,4	4,9	26,6	263
14—25—1	81,2	12,1	6,7	207	7	61,8	4,5	33,7	291
3	71,5	10,6	17,9	235	15—14—2	81,1	6,3	12,6	222
5	63,9	9,5	26,6	263	4	72,0	5,6	22,4	250
7	57,7	8,6	33,7	291	6	64,7	5,0	30,2	278
14—26—2	75,7	11,7	12,6	222	8	58,8	4,6	36,6	306
4	67,2	10,4	22,4	250	15—15—1	86,1	7,2	6,7	209
6	60,4	9,4	30,2	278	3	76,0	6,3	17,7	237
8	54,9	8,5	36,6	306	5	67,9	5,7	26,4	265
14—27—1	80,4	12,9	6,7	209	7	61,4	5,1	33,4	293
3	70,9	11,4	17,7	237	15—16—2	80,4	7,1	12,5	224
5	63,4	10,2	26,4	265	4	71,4	6,3	22,2	252
7	57,3	9,2	33,5	293	6	64,3	5,7	30,0	280
14—28—2	75,0	12,5	12,5	224	8	58,4	5,2	36,4	308
4	66,7	11,1	22,2	252	15—17—1	85,3	8,1	6,6	211
6	60,0	10,0	30,0	280	3	75,3	7,1	17,6	239
8	54,5	9,1	36,4	308	5	67,4	6,4	26,2	267
14—29—1	79,6	13,7	6,6	211	7	61,0	5,8	33,2	295
3	70,3	12,1	17,6	239	15—18—2	79,6	8,0	12,4	226
5	62,9	10,9	26,2	267	4	70,9	7,1	22,0	254
7	56,9	9,8	33,2	295	6	63,8	6,4	20,8	282
14—30—2	74,3	13,3	12,4	226	8	58,1	5,8	36,1	310
4	66,1	11,8	22,1	254	15—19—1	84,5	8,9	6,6	213
6	59,6	10,6	29,8	282	3	74,7	7,9	17,4	241
8	54,2	9,7	36,1	310	5	66,9	7,1	26,0	269
14—31—1	78,9	14,4	6,6	213	7	60,6	6,4	33,0	297
3	69,7	12,9	17,4	241	15—20—2	78,9	8,8	12,3	223
5	62,4	11,5	26,0	269	4	70,3	7,8	21,9	256
7	56,6	10,4	33,0	297	6	63,4	7,0	29,6	284
14—32—2	73,7	14,0	12,3	228	8	57,7	6,4	35,9	312
4	65,5	12,5	21,9	256	15—21—1	83,7	9,8	6,5	215
6	59,1	11,3	29,6	284	3	74,1	8,6	17,3	243
8	53,8	10,3	35,9	312	5	66,4	7,7	25,8	271
14—33—1	78,1	15,3	6,5	215	7	60,2	7,0	32,8	299
3	69,1	13,6	17,3	243	15—22—2	78,3	9,6	12,1	230

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
15—22—4	69,8	8,5	21,7	258	16—11—1	88,5	5,1	6,4	217
6	62,9	7,7	29,4	286	3	78,4	4,5	17,1	245
8	57,3	7,0	35,7	314	5	70,3	4,0	25,6	273
15—23—1	82,9	10,6	6,4	217	7	63,8	3,6	32,6	301
3	73,5	9,4	17,1	245	16—12—2	82,8	5,2	12,0	232
5	65,9	8,4	25,6	273	4	73,9	4,6	21,5	260
7	59,8	7,6	32,6	301	6	66,6	4,2	29,2	288
15—24—2	77,6	10,3	12,1	232	8	60,8	3,8	35,4	316
4	69,2	9,2	21,5	260	16—13—1	87,7	5,9	6,4	219
6	62,5	8,3	29,2	288	3	77,7	5,3	17,0	247
8	57,0	7,6	35,4	316	5	69,8	4,7	25,4	275
15—25—1	82,2	11,4	6,4	219	7	63,4	4,3	32,3	303
3	72,9	10,1	17,0	247	16—14—2	82,0	6,0	12,0	234
5	65,5	9,1	26,4	275	4	73,3	5,3	21,4	262
7	59,4	8,3	32,3	303	8	66,2	4,8	20,0	290
15—26—2	70,9	11,1	12,0	234	8	60,4	4,4	35,2	318
4	68,7	9,9	21,4	262	10	55,5	4,0	40,5	346
6	62,1	8,9	29,0	290	16—15—1	86,9	6,8	6,3	221
8	56,6	8,2	35,2	318	3	77,1	6,0	16,9	249
15—27—1	81,4	12,2	6,3	221	5	69,3	5,4	25,3	277
3	72,3	10,8	16,9	249	7	62,9	4,9	32,1	305
5	65,0	9,7	25,3	277	16—16—2	81,3	6,8	11,9	236
7	59,0	8,8	32,1	305	4	72,7	6,1	21,2	264
15—28—2	76,3	11,8	11,8	236	6	65,7	5,5	28,8	292
4	68,2	10,6	21,2	264	8	60,0	5,0	35,0	320
6	61,6	9,6	28,8	292	16—17—1	86,1	7,6	6,3	223
8	56,2	8,7	35,0	320	3	76,5	6,8	16,7	251
15—29—1	80,7	13,0	6,3	223	5	68,8	6,1	25,1	279
3	71,7	11,6	16,7	251	7	62,5	5,5	31,9	307
5	64,5	10,4	25,1	279	16—18—2	80,6	7,6	11,8	238
7	58,6	9,4	31,9	307	4	72,2	6,8	21,0	266
15—30—2	75,6	12,6	11,8	238	6	65,3	6,1	28,6	294
4	67,7	11,3	21,0	266	8	59,6	5,6	34,8	322
6	61,2	10,2	23,6	294	16—19—1	85,3	8,4	6,2	225
8	55,9	9,3	34,8	322	3	75,9	7,5	16,6	253
15—31—1	80,0	13,8	6,2	225	5	68,3	6,8	24,9	281
3	71,2	12,2	16,6	253	7	62,1	6,1	31,7	309
5	64,0	11,0	24,9	281	16—20—2	80,0	8,3	11,7	240
7	58,2	10,0	31,7	309	4	71,7	7,4	20,9	268
15—32—2	75,0	13,3	11,7	240	6	64,9	6,7	28,4	296
4	67,2	11,9	20,9	268	8	59,3	6,2	34,5	324
6	60,8	10,8	28,4	296	16—21—1	84,6	9,2	6,2	227
8	55,6	9,9	34,5	324	3	75,3	8,2	16,5	255
15—33—1	70,3	14,5	6,2	227	5	67,8	7,4	24,7	283
3	70,6	12,9	16,4	255	7	61,7	6,7	31,5	311
5	63,6	11,7	24,7	283	16—22—2	79,3	9,1	11,6	242
7	57,9	10,6	31,5	311	4	71,1	8,1	20,7	270
15—34—2	74,4	14,0	11,6	242	6	64,4	7,4	28,2	298
4	66,7	12,6	20,7	270	8	58,9	6,7	34,3	326
6	60,4	11,4	28,2	298	16—23—1	83,8	10,0	6,1	229
8	55,2	10,4	34,4	326	3	74,7	8,9	16,3	257
16—9—1	89,3	4,2	6,5	215	5	67,4	8,1	24,5	285
3	79,0	3,7	17,3	243	7	61,4	7,3	31,3	313
5	70,8	3,3	25,8	271	16—24—2	78,7	9,8	11,5	244
7	64,2	3,0	32,8	299	4	70,6	8,8	20,6	272
16—10—2	83,5	4,3	12,2	230	6	64,0	8,0	28,0	300
4	74,4	3,9	21,7	258	8	58,5	7,3	34,2	328
6	67,1	3,5	29,4	286	16—25—1	83,1	10,8	6,1	231
8	61,1	3,2	35,7	314	3	74,1	9,6	16,2	259

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
16—25—5	66,9	8,7	24,4	287	17—13—3	78,8	5,0	16,2	259
7	61,0	7,9	31,1	315	5	71,1	4,5	24,4	287
16—26—2	78,0	10,6	11,4	246	7	64,8	4,1	31,1	315
4	70,1	9,5	20,4	274	17—14—2	82,9	5,7	11,4	246
6	63,6	8,6	27,8	302	4	74,4	5,1	20,5	274
8	58,2	7,9	33,9	330	6	67,6	4,6	27,5	302
16—27—1	82,4	11,6	6,0	233	8	61,8	4,2	33,9	330
3	73,6	10,3	16,1	261	17—15—1	87,6	6,4	6,0	233
5	66,4	9,3	24,2	289	3	78,1	5,7	16,1	261
7	60,6	8,5	30,9	317	5	70,6	5,2	24,2	289
16—28—2	77,4	11,3	11,3	248	7	64,4	4,7	30,9	317
4	69,6	10,1	20,3	276	17—16—2	82,2	6,4	11,3	248
6	63,2	9,2	27,6	304	4	73,9	5,8	20,3	276
8	57,8	8,4	33,7	332	6	67,1	5,3	27,6	304
16—29—1	81,7	12,3	6,0	235	8	61,4	4,8	33,7	332
3	73,0	11,0	16,0	265	17—17—1	86,8	7,2	6,0	235
5	66,0	10,0	24,0	291	5	70,1	5,8	24,0	291
7	60,2	9,1	30,7	319	3	77,6	6,5	15,9	263
16—30—2	76,8	12,0	11,2	250	17—18—2	81,6	7,2	11,2	250
4	69,1	10,8	20,1	278	4	73,4	6,5	20,1	278
6	62,7	9,8	27,4	306	6	66,7	5,9	27,4	306
8	57,5	9,0	33,5	334	8	61,1	5,4	33,5	334
16—31—1	81,0	13,1	5,9	237	17—19—1	86,1	8,0	5,9	237
3	72,5	11,7	15,8	265	5	77,0	7,2	15,8	265
5	65,5	10,6	23,9	293	3	69,6	6,5	23,9	293
7	59,8	9,6	30,5	321	5	63,5	5,9	30,5	321
16—32—2	76,2	12,7	11,1	252	17—20—2	80,9	7,9	11,1	252
4	68,6	11,4	20,9	280	4	72,9	7,1	20,0	280
6	62,3	10,4	27,3	308	6	66,2	6,5	27,3	308
8	57,1	9,5	33,3	336	8	60,7	5,9	33,3	336
16—33—1	80,3	13,8	5,9	239	17—21—1	85,3	8,8	5,8	239
3	71,9	12,3	15,7	267	3	76,4	7,9	15,7	267
5	65,1	11,2	23,7	295	5	69,2	7,1	23,7	265
7	59,4	10,2	30,3	323	7	63,2	6,5	30,3	323
16—34—2	75,6	13,4	11,0	254	17—22—2	80,3	8,7	11,0	254
4	68,1	12,1	19,8	282	4	72,3	7,8	19,9	282
6	61,9	11,0	27,1	310	6	65,8	7,1	27,1	310
8	56,8	10,1	33,1	338	8	60,3	6,5	33,1	338
16—35—1	79,6	14,5	5,8	241	17—23—1	84,6	9,5	5,8	241
3	71,4	13,0	15,6	269	3	75,8	8,5	15,6	269
5	64,6	11,8	23,6	297	5	68,7	7,7	23,6	297
7	59,1	10,8	30,1	325	7	62,8	7,1	30,1	325
17—9—1	89,9	3,9	6,2	227	17—24—2	79,7	9,4	10,9	256
3	80,0	3,5	16,5	255	4	71,8	8,4	19,7	284
5	72,1	3,2	24,7	283	6	65,4	7,7	26,9	312
7	65,6	2,9	31,5	311	8	60,0	7,0	32,9	340
17—10—2	84,3	4,1	11,6	242	17—25—1	83,9	10,3	5,8	243
4	75,6	3,7	20,7	270	3	75,3	9,2	15,5	271
6	68,4	3,4	28,2	298	5	68,2	8,3	23,4	299
8	62,6	3,1	34,3	326	7	62,4	7,6	30,0	327
17—11—1	89,1	4,8	6,1	229	17—26—2	79,1	10,1	10,8	258
3	79,4	4,3	16,3	257	4	71,3	9,1	19,6	286
5	71,6	3,8	24,6	285	6	65,0	8,3	26,7	314
7	65,2	3,5	31,3	313	8	59,6	7,6	32,7	342
17—12—2	83,6	4,9	11,5	244	17—27—1	83,3	11,0	5,7	245
4	75,0	4,4	20,6	272	3	74,7	9,9	15,4	273
6	68,0	4,0	28,0	300	5	67,8	9,0	23,2	301
8	62,2	3,7	24,1	328	7	62,0	8,2	29,8	329
17—13—1	88,3	5,6	6,1	231					

C-H-N	C %	H %	N %	M.G.	C-H-N	C %	H %	N %	M.G.
17-23-2	78,5	10,8	10,8	260	18-11-7	66,4	3,4	30,2	325
4	70,8	9,7	19,4	288	18-12-2	84,4	4,7	10,9	256
6	64,6	8,8	26,6	316	4	76,0	4,2	19,7	284
8	59,3	8,1	32,6	344	6	69,2	3,8	26,9	312
17-29-1	82,6	11,7	5,7	247	8	63,5	3,5	32,9	340
3	74,2	10,5	15,3	275	18-13-1	88,9	5,3	5,8	243
5	67,3	9,6	23,1	303	3	79,7	4,8	15,5	271
7	61,6	8,7	29,6	331	5	72,2	4,3	23,4	299
17-30-2	77,9	11,4	10,7	262	7	66,1	4,0	29,9	327
4	70,4	10,3	19,3	290	18-14-2	83,7	5,4	10,8	258
6	64,1	9,4	26,4	318	4	75,5	4,9	19,6	286
8	58,9	8,7	32,4	346	6	68,8	4,4	26,7	314
17-31-1	81,9	12,4	5,6	249	8	63,2	4,1	32,7	342
3	73,6	11,2	15,2	277	18-15-1	88,2	6,1	5,7	245
5	66,9	10,2	22,9	305	3	79,1	5,5	15,4	273
7	61,3	9,3	29,4	333	5	71,8	5,0	23,2	301
17-32-2	77,3	12,1	10,6	264	7	65,7	4,5	29,8	329
4	69,9	10,9	19,2	292	18-16-2	83,1	6,1	10,8	260
6	63,7	10,0	26,2	320	4	75,0	5,6	19,4	288
8	58,6	9,2	32,2	348	6	68,3	5,1	26,6	316
17-33-1	81,3	13,1	5,6	251	8	62,8	4,6	32,6	341
3	73,1	11,8	15,1	279	18-17-1	87,5	6,9	5,6	247
5	66,4	10,7	22,8	307	3	78,5	6,2	15,3	275
7	60,9	9,8	29,2	335	5	71,3	5,6	23,1	303
17-34-2	76,7	12,8	10,5	266	7	65,2	5,1	29,6	331
4	69,4	11,6	19,0	294	18-18-2	82,4	6,9	10,7	262
6	63,3	10,6	26,1	322	4	74,5	6,2	19,3	290
8	58,3	9,7	32,0	350	6	67,9	5,7	26,4	318
17-35-1	80,6	13,8	5,5	253	8	62,4	5,2	32,4	346
3	72,6	12,4	14,9	281	18-19-1	86,7	7,6	5,6	249
5	66,0	11,3	22,6	309	3	78,0	6,9	15,1	277
7	60,5	10,4	29,1	337	5	70,8	6,2	22,9	305
17-36-2	76,1	13,4	10,4	268	7	64,9	5,7	29,4	333
4	68,9	12,2	18,9	296	18-20-2	81,8	7,6	10,6	264
6	63,0	11,1	25,9	324	4	74,0	6,8	19,2	292
8	58,0	10,2	31,8	352	6	67,5	6,2	26,2	320
17-37-1	80,0	14,5	5,5	255	8	62,1	5,7	32,2	348
3	72,1	13,1	14,8	283	18-21-1	86,0	8,4	5,6	251
5	65,6	11,9	22,5	311	3	77,4	7,5	15,0	279
7	60,2	10,9	28,9	339	5	70,3	6,8	22,9	307
17-38-2	75,5	14,1	10,4	270	7	64,5	6,3	29,2	335
4	68,4	12,7	18,8	298	18-22-2	81,2	8,3	10,5	266
6	62,6	11,6	25,8	326	4	73,5	7,5	19,0	294
8	57,6	10,7	31,6	354	6	67,1	6,8	26,1	322
18-8-2	85,7	3,2	11,1	252	8	61,7	6,3	32,0	350
4	77,1	2,9	20,0	280	18-23-1	85,4	9,1	5,5	253
6	70,1	2,6	27,3	308	3	76,9	8,2	14,9	281
8	64,3	2,4	33,3	336	5	69,9	7,4	22,6	309
18-9-1	90,4	3,8	5,8	239	7	64,1	6,8	29,1	337
3	80,9	3,4	15,7	267	18-24-2	80,6	9,0	10,4	268
5	73,2	3,0	23,7	295	4	73,0	8,1	18,9	296
7	66,9	2,8	30,3	323	6	66,7	7,4	25,9	324
18-10-2	85,0	3,9	11,0	254	8	61,3	6,8	31,8	352
4	76,6	3,5	19,8	282	18-25-1	84,7	9,8	5,5	255
6	69,7	3,2	27,1	310	3	76,3	8,8	14,8	283
8	63,9	2,9	33,1	338	5	69,4	8,0	22,5	311
18-11-1	89,6	4,6	5,7	241	7	63,7	7,4	28,9	339
3	80,3	4,1	15,6	269	18-26-2	80,0	9,6	10,4	270
5	72,7	3,7	23,6	297	4	72,4	8,7	18,8	298

C-H-N	C %	H %	N %	M.G.	C-H-N	C %	H %	N %	M.G.
18-26-6	66,2	8,0	25,8	326	18-41-3	72,2	13,7	14,0	299
8	61,0	7,3	31,6	354	5	66,1	12,5	21,4	327
18-27-1	84,0	10,5	5,4	257	7	60,8	11,6	27,6	355
3	75,8	9,5	14,7	285	18-42-2	75,5	14,7	9,8	286
5	69,0	8,6	22,4	313	4	68,8	13,4	17,8	314
7	63,3	7,9	28,7	341	6	63,2	12,3	24,5	342
18-28-2	79,4	10,3	10,3	272	8	58,4	11,3	30,3	370
4	72,0	9,3	18,7	300	18-43-1	79,1	15,7	5,1	273
6	65,9	8,5	25,6	325	3	71,7	14,3	13,9	301
8	60,7	7,8	31,5	356	5	65,6	13,1	21,3	329
18-29-1	83,4	11,2	5,4	259	7	60,5	12,0	27,5	357
3	75,2	10,1	14,6	287	18-44-2	75,0	15,3	9,7	288
5	68,6	9,2	22,2	315	4	68,4	13,9	17,7	316
7	83,0	8,4	28,6	343	6	62,8	12,8	24,4	344
18-30-2	78,8	10,9	10,2	274	8	58,1	11,8	30,1	372
4	71,5	9,9	18,6	302	18-45-1	78,5	16,4	5,1	275
6	65,5	9,1	25,4	330	3	71,3	14,8	13,9	303
8	60,3	8,4	31,3	358	5	65,2	13,6	21,1	331
18-31-1	82,7	11,9	5,4	261	7	60,2	12,5	27,3	359
3	74,7	10,7	14,5	289	18-46-2	74,5	15,9	9,6	290
5	68,1	9,8	22,1	317	4	67,9	14,5	17,6	318
7	62,6	9,0	28,4	345	6	62,4	13,3	24,3	346
18-32-2	78,3	11,6	10,1	276	8	57,8	12,3	29,9	374
4	71,1	10,5	18,4	304	19-11-1	90,1	4,3	5,5	253
6	65,1	9,6	25,3	332	19-12-2	85,1	4,5	10,4	268
8	60,0	8,9	31,1	360	4	77,0	4,0	18,9	396
18-33-1	82,1	12,6	5,3	263	6	70,4	3,7	25,9	324
3	74,2	11,3	14,4	291	8	64,8	3,4	31,8	352
5	67,7	10,3	21,9	319	19-13-1	89,4	5,1	5,5	255
7	62,3	9,5	28,2	347	3	80,6	4,6	14,8	283
18-34-2	77,7	12,2	10,1	278	5	73,3	4,2	22,5	311
4	70,6	11,1	18,3	306	7	67,3	3,8	28,9	339
6	64,7	10,2	25,1	334	19-14-2	84,4	5,2	10,4	270
8	59,7	9,4	30,9	362	4	76,5	4,7	18,8	298
18-35-1	81,5	13,2	5,3	265	6	69,9	4,3	25,8	326
3	73,7	11,9	14,3	293	8	64,4	4,0	31,6	354
5	67,3	10,9	21,8	321	19-15-1	88,7	5,8	5,4	257
7	61,9	10,0	28,1	349	3	80,0	5,3	14,7	285
18-36-2	77,1	12,9	10,0	280	5	72,8	4,8	22,4	313
4	70,1	11,7	18,2	308	7	66,9	4,4	28,7	341
6	64,3	10,7	25,0	336	19-16-2	83,8	5,9	10,3	272
8	59,3	9,9	30,8	364	4	76,0	5,3	18,7	300
18-37-1	80,9	13,8	5,2	267	6	69,5	4,9	25,6	328
3	73,2	12,5	14,2	295	8	64,0	4,5	31,5	356
5	66,9	11,4	21,7	323	19-17-1	88,0	6,6	5,4	259
7	61,6	10,5	27,9	351	3	79,4	5,9	14,6	287
18-38-2	76,6	13,5	9,9	282	5	72,4	5,4	22,2	315
4	69,7	12,3	18,0	310	7	66,5	4,9	28,6	343
6	63,9	11,2	24,8	338	19-18-2	83,2	6,6	10,2	274
8	59,0	10,4	30,6	366	4	75,5	6,0	18,5	302
18-39-1	80,3	14,5	5,2	269	6	69,1	5,4	25,4	330
3	72,7	13,1	14,1	297	8	63,7	5,0	31,3	358
5	66,5	12,0	21,5	325	19-19-1	87,4	7,3	5,3	261
7	61,2	11,0	27,8	353	3	78,9	6,6	14,5	289
18-40-2	76,0	14,1	9,9	284	5	71,9	6,0	22,1	317
4	69,2	12,8	17,9	312	7	66,1	5,5	28,4	345
6	63,5	11,8	24,7	340	19-20-2	82,6	7,2	10,1	276
8	58,7	10,9	30,4	368	4	75,0	6,6	18,4	304
18-41-1	79,7	15,1	5,2	271	6	68,7	6,0	25,3	332

C-H-N	C %	H %	N %	M.G.	C-H-N	C %	H %	N %	M.G.
19-20-8	63,3	5,5	31,1	360	19-35-5	68,5	10,5	21,0	333
19-21-1	86,7	8,0	5,3	263	7	63,1	9,7	27,1	361
3	78,3	7,2	14,4	291	19-36-2	78,1	12,3	9,6	292
5	71,5	6,6	21,9	319	4	71,2	11,2	17,5	320
7	65,7	6,1	28,2	347	6	65,5	10,3	24,1	348
19-22-2	82,0	7,9	10,1	278	8	60,6	9,6	29,8	376
4	74,5	7,2	18,3	306	19-37-1	81,7	13,3	5,0	279
6	68,3	6,6	25,1	334	3	74,3	12,0	13,7	307
8	63,0	6,1	30,9	362	5	68,1	11,0	20,9	335
19-23-1	86,0	8,7	5,3	265	7	62,8	10,2	27,0	365
3	77,8	7,8	14,3	293	19-38-2	77,6	12,9	9,5	294
5	71,0	7,2	21,8	321	4	70,8	11,8	17,4	322
7	65,3	6,6	28,1	349	6	65,1	10,8	24,0	350
19-24-2	81,4	8,6	10,0	280	8	60,3	10,1	29,6	378
4	74,0	7,8	18,2	308	19-39-1	81,1	13,9	5,0	281
6	67,8	7,1	25,0	336	3	73,8	12,6	13,6	309
8	62,6	6,6	30,8	364	5	67,6	11,6	20,8	337
19-25-1	85,4	9,3	5,3	267	7	62,5	10,7	26,8	365
3	77,3	8,5	14,2	295	19-40-2	77,0	13,5	9,4	296
5	70,6	7,7	21,7	323	4	70,4	12,3	17,3	324
7	65,0	7,1	27,9	351	6	64,8	11,4	23,8	352
19-26-2	80,8	9,2	9,9	282	8	60,0	10,5	29,5	380
4	73,5	8,4	18,1	310	19-41-1	80,6	14,5	4,9	283
6	67,4	7,7	24,8	338	3	73,3	13,2	13,5	311
8	62,3	7,1	30,6	366	5	67,3	12,1	20,6	339
19-27-1	84,7	10,0	5,2	260	7	62,1	11,2	26,7	367
3	76,8	9,1	14,1	297	19-42-2	76,5	14,1	9,4	298
5	70,2	8,3	21,5	325	4	69,9	12,9	17,2	326
7	64,6	7,6	27,7	353	6	64,4	11,9	23,7	354
19-28-2	80,3	9,8	9,8	284	8	59,7	11,0	29,3	382
4	73,1	9,0	17,9	312	20-12-2	85,7	4,3	10,0	280
6	67,1	8,2	24,7	340	4	77,9	3,9	18,2	308
8	61,9	7,6	30,4	368	6	71,4	3,6	25,0	336
10-29-1	84,1	10,7	5,2	271	8	65,9	3,3	30,8	364
3	76,2	9,7	14,0	299	20-13-1	89,8	4,9	5,2	267
5	69,7	8,9	21,4	327	3	81,4	4,4	14,2	295
7	64,2	8,2	27,6	355	5	74,3	4,0	21,7	323
19-30-2	79,7	10,5	9,8	286	7	68,4	3,7	27,9	351
4	72,6	9,6	17,8	314	20-14-2	85,1	5,0	9,9	282
6	66,7	8,8	24,5	342	4	77,4	4,5	18,1	310
8	61,6	8,1	30,2	370	6	71,0	4,1	24,8	338
19-31-1	83,5	11,4	5,1	273	8	65,6	3,8	30,6	366
3	75,7	10,3	14,0	301	20-15-1	89,2	5,6	5,2	269
5	69,3	9,4	21,3	329	3	80,8	5,0	14,1	297
7	63,9	8,7	27,4	357	5	73,9	4,6	21,5	325
19-32-2	79,2	11,1	9,7	288	7	68,0	4,2	27,8	353
4	72,1	10,1	17,7	316	20-16-2	84,5	5,6	9,9	284
6	66,3	9,3	24,4	341	4	76,9	5,1	17,9	312
8	61,3	8,6	30,1	372	6	70,6	4,7	24,7	340
19-33-1	82,9	12,0	5,1	275	8	65,2	4,3	30,4	368
3	75,2	10,9	13,8	303	20-17-1	88,6	6,3	5,1	271
5	68,9	10,0	21,1	331	3	80,3	5,7	14,0	299
7	63,5	9,2	27,3	359	5	73,4	5,2	21,4	327
19-34-2	78,6	11,7	9,7	290	7	67,6	4,8	27,6	355
4	71,7	10,7	17,6	318	20-18-2	83,9	6,3	9,8	286
6	65,9	9,8	24,3	346	4	76,4	5,7	17,8	314
8	61,0	9,1	29,9	374	6	70,2	5,3	24,5	342
19-35-1	82,3	12,6	5,0	277	8	64,8	4,9	30,3	370
3	74,7	11,5	13,8	305	20-19-1	87,9	6,9	5,1	273

C-H-S	C	H	S	M.G.
20-19-2				
20-20				
20-21-1				
20-22-2	2	4	3	
20-23	3	5	3	
20-24-2	2	4	3	
20-25-1	3	5	3	
20-26	2	4	3	
20-27-1	3	5	3	
20-28-2	2	4	3	
20-29	2	4	3	
20-29-1	3	5	3	
20-30-2	2	4	3	
20-31-1	3	5	3	
20-32-2	2	4	3	
20-33-1	3	5	3	
20-34	2	4	3	
20-35	3	5	3	
20-36-1	2	4	3	
20-37	3	5	3	
20-38-1	2	4	3	
20-39	3	5	3	
20-40-2	2	4	3	
20-41	3	5	3	
20-42-2	2	4	3	
20-43-1	3	5	3	
20-44	2	4	3	
21-10	2	4	3	
21-11-1	3	5	3	
21-12-2	4	6	4	
21-13	1	3	3	
	3	5	3	
	5	7	5	
	7	9	7	
	9	11	9	
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	13	15	13	
	15	17	15	
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	143	145	143	
	145	147	145	
	147	149	147	
	149	151	149	
	151	153	151	
	153	155	153	
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	161	163	161	
	163	165	163	
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C-H-N	C %	H %	N %	M.G.	C-H-N	C %	H %	N %	M.G.
21-13-7	69,4	3,6	27,0	363	21-28-4	75,0	8,3	16,7	336
21-14-2	85,7	4,8	9,5	294	6	69,2	7,7	23,1	364
4	78,3	4,3	17,4	322	8	64,3	7,1	28,6	392
6	72,0	4,0	24,0	350	21-29-1	85,4	9,8	4,7	295
8	66,6	3,7	29,6	378	3	78,0	9,0	13,0	323
21-15-1	89,7	5,3	5,0	281	5	71,8	8,3	19,9	351
3	81,6	4,8	13,6	309	7	66,5	7,6	25,8	379
5	74,8	4,4	20,8	337	21-30-2	81,3	9,7	9,0	310
7	69,1	4,1	26,8	365	4	74,6	8,9	16,5	338
21-16-2	85,1	5,4	9,5	296	6	68,8	8,2	23,0	366
4	77,8	4,9	17,3	324	8	64,0	7,6	28,4	394
6	71,7	4,5	23,8	352	21-31-1	84,8	10,4	4,7	297
8	66,3	4,2	29,5	380	3	77,5	9,5	12,9	325
21-17-1	89,1	6,0	4,9	283	5	71,4	8,8	19,8	353
3	81,0	5,4	13,5	311	7	66,1	8,1	25,7	381
5	74,3	5,0	20,6	339	21-32-2	80,8	10,3	8,9	312
7	68,7	4,6	26,7	367	4	74,1	9,4	16,5	340
21-18-2	84,6	6,0	9,4	298	6	68,5	8,7	22,8	368
4	77,3	5,5	17,2	326	8	63,6	8,1	28,3	396
6	71,2	5,1	23,7	354	21-33-1	84,3	11,0	4,7	299
8	66,0	4,7	29,3	382	3	77,1	10,1	12,8	327
21-19-1	88,4	6,7	4,9	285	5	71,0	9,3	19,7	355
3	80,5	6,1	13,4	313	7	65,8	8,6	25,6	383
5	73,9	5,6	20,5	341	21-34-2	80,3	10,8	8,9	314
7	68,3	5,1	26,6	369	4	73,7	9,9	16,4	342
21-20-2	84,0	6,7	9,3	300	6	68,1	9,2	22,7	370
4	76,8	6,1	17,1	328	8	63,3	8,5	28,1	398
6	70,8	5,6	23,6	356	21-35-1	83,7	11,6	4,6	301
8	65,6	5,2	29,2	384	3	76,6	10,6	12,8	329
21-21-1	87,8	7,3	4,9	287	5	69,6	9,8	19,6	357
3	80,0	6,7	13,3	315	7	65,4	9,1	25,5	385
5	73,4	6,1	20,4	343	21-36-2	79,8	11,4	8,8	316
7	67,9	5,7	26,4	371	4	73,2	10,5	16,3	344
9	63,1	5,3	31,6	399	6	67,7	9,7	22,6	372
21-22-2	83,4	7,3	9,3	302	8	63,0	9,0	28,0	400
4	76,4	6,6	17,0	330	21-37-1	83,2	12,2	4,6	303
6	70,4	6,1	23,4	358	3	76,1	11,2	12,7	331
8	65,3	5,7	28,9	386	5	70,2	10,3	19,5	359
21-23-1	87,2	8,0	4,8	289	7	65,1	9,6	25,3	387
3	79,5	7,3	13,2	317	21-38-2	79,2	12,0	8,8	318
5	73,1	6,6	20,3	345	4	72,8	11,0	16,2	346
7	67,6	6,2	26,2	373	6	67,4	10,2	22,4	374
21-24-2	82,9	7,9	9,2	304	8	62,7	9,4	27,9	402
4	75,9	7,2	16,9	332	21-39-1	82,6	12,8	4,6	305
6	70,0	6,7	23,3	360	3	75,7	11,7	12,6	333
8	64,9	6,2	28,9	388	5	69,8	10,8	19,4	361
21-25-1	86,6	8,6	4,8	291	7	64,8	10,0	25,2	389
3	78,9	7,8	13,2	319	21-40-2	78,7	12,5	8,7	320
5	72,6	7,2	20,2	347	4	72,4	11,5	16,1	348
7	67,2	6,7	26,1	375	6	67,0	10,6	22,3	376
21-26-2	82,4	8,5	9,1	306	8	63,4	9,9	27,7	404
4	75,4	7,8	16,8	334	21-41-1	82,1	13,3	4,6	307
6	69,6	7,2	23,2	362	3	75,2	12,2	12,5	335
8	64,6	6,7	28,7	390	5	69,4	11,3	19,3	363
21-27-1	86,0	9,2	4,8	293	7	64,5	10,5	25,0	391
3	78,5	8,4	13,1	321	21-42-2	78,3	13,0	8,7	322
5	72,2	7,7	20,1	349	4	72,0	12,0	16,0	350
7	66,8	7,2	26,0	377	6	66,7	11,1	22,2	378
21-28-2	81,8	9,1	9,1	308	8	62,1	10,3	27,6	406

C-H-N	C%	H%	N%	M.G.	C-H-N	C%	H%	N%	M.G.
<b>21-43-1</b>	81.6	13.9	4.5	309	<b>22-20-8</b>	66.7	5.0	28.3	396
3	74.8	12.8	12.4	337	<b>22-21-1</b>	88.3	7.0	4.7	269
5	69.0	11.8	19.2	365	3	80.7	6.4	12.5	327
7	64.1	10.9	24.9	393	5	74.4	5.9	19.7	355
<b>21-44-2</b>	77.8	13.6	8.6	324	7	68.9	5.5	25.6	383
4	71.6	12.5	15.9	352	<b>22-22-2</b>	84.1	7.0	8.9	314
6	69.3	11.6	22.1	380	4	77.2	6.4	16.4	342
8	61.8	10.8	27.4	408	6	71.3	5.9	22.7	370
<b>21-45-1</b>	81.0	14.5	4.5	311	8	66.3	5.5	28.1	356
3	74.3	13.3	12.4	339	<b>22-23-1</b>	87.7	7.6	4.6	361
5	68.7	12.2	19.1	367	3	80.2	7.0	12.8	329
7	63.8	11.2	24.8	395	5	73.9	6.4	19.6	351
<b>21-46-2</b>	77.3	14.1	8.6	326	7	68.6	5.9	25.4	385
4	71.2	13.0	15.8	354	<b>22-24-2</b>	83.6	7.6	8.8	316
6	66.0	12.0	22.0	382	4	76.7	7.0	16.3	344
8	61.5	11.2	27.3	410	6	71.0	6.4	22.6	372
<b>22-10-2</b>	87.4	3.3	9.3	362	8	66.0	6.0	28.0	400
4	80.0	3.0	17.0	339	<b>22-25-1</b>	87.1	8.2	4.6	303
6	73.7	2.8	23.5	358	3	79.7	7.6	12.7	331
8	68.4	2.6	29.0	386	5	73.5	7.0	19.5	359
<b>22-11-1</b>	91.3	3.8	4.8	289	7	68.2	6.5	25.3	387
3	83.3	3.5	13.2	317	<b>22-26-2</b>	83.0	8.2	8.8	318
5	76.5	3.2	20.3	345	4	76.3	7.5	16.2	346
7	70.8	2.9	26.3	373	6	70.6	6.9	22.5	374
<b>22-12-2</b>	86.8	3.9	9.2	304	8	65.6	6.5	27.8	402
4	79.5	3.6	16.9	332	<b>22-27-1</b>	86.5	8.8	4.6	305
6	73.3	3.3	23.3	360	3	79.3	8.1	12.6	333
8	68.0	3.1	28.9	388	5	73.1	7.5	19.4	361
<b>22-13-1</b>	90.7	4.5	4.8	291	7	67.8	6.9	25.2	389
3	82.7	4.1	13.2	319	<b>22-28-2</b>	82.5	8.7	8.7	320
5	76.1	3.7	20.2	347	4	75.8	8.0	16.1	348
7	70.4	3.5	26.1	375	6	70.2	7.4	22.3	376
<b>22-14-2</b>	86.3	4.6	9.1	306	8	65.3	6.9	27.7	404
4	79.0	4.2	16.8	334	<b>22-29-1</b>	85.9	9.4	4.6	307
6	72.9	3.9	23.2	362	3	78.8	8.7	12.5	335
8	67.7	3.6	28.7	390	5	72.7	8.0	19.3	363
<b>22-15-1</b>	90.1	5.1	4.8	293	7	67.5	7.4	25.1	391
3	82.2	4.7	13.1	321	<b>22-30-2</b>	82.0	9.3	8.7	322
5	75.6	4.3	20.9	349	4	75.4	8.6	16.0	350
7	70.0	4.0	26.0	377	6	69.8	7.9	22.2	378
<b>22-16-2</b>	85.7	5.2	9.1	308	8	65.0	7.4	27.6	406
4	78.5	4.8	16.7	336	<b>22-31-1</b>	85.4	10.0	4.5	309
6	72.5	4.4	23.1	364	3	78.3	9.2	12.5	337
8	67.3	4.1	28.6	392	5	72.3	8.5	19.2	365
<b>22-17-1</b>	89.5	5.8	4.7	295	7	67.2	7.9	24.9	393
3	81.7	5.3	13.0	323	<b>22-32-2</b>	81.5	9.9	8.6	324
5	75.2	4.8	19.9	351	4	75.0	9.1	15.9	352
7	69.6	4.5	25.8	379	6	69.5	8.4	22.1	380
<b>22-18-2</b>	85.2	5.8	9.0	310	8	64.7	7.8	27.4	405
4	78.1	5.3	16.6	338	<b>22-33-1</b>	84.9	10.6	4.5	311
6	72.1	4.9	22.9	366	3	77.9	9.7	12.4	339
8	66.9	4.6	28.4	394	5	71.9	9.0	19.1	367
<b>22-19-1</b>	88.9	6.4	4.7	297	7	66.8	8.3	24.8	395
3	81.2	5.9	12.9	325	<b>22-34-2</b>	81.0	10.4	8.6	326
5	74.8	5.4	19.8	353	4	74.6	9.6	15.8	354
7	69.3	5.0	25.7	381	6	69.1	8.9	22.0	382
<b>22-20-2</b>	84.6	6.4	9.0	312	8	64.4	8.3	27.3	410
4	77.6	5.9	16.5	340	<b>22-35-1</b>	84.3	11.2	4.5	313
6	71.7	5.4	22.8	368	3	77.4	10.3	12.3	341

C-H-N	C %	H %	N %	M.G.	C-H-N	C %	H %	N %	M.G.
22-35-5	71,5	9,5	19,0	369	23-13-3	83,4	3,9	12,7	331
7	66,5	8,8	24,7	397	5	76,9	3,6	19,5	359
22-36-2	80,5	11,0	8,5	328	7	71,3	3,4	25,3	387
4	74,2	10,1	15,7	356	23-14-2	86,8	4,4	8,8	318
6	68,7	9,4	21,9	384	4	79,8	4,0	16,2	346
8	64,1	8,7	27,2	412	6	73,8	3,7	22,5	374
22-37-1	83,8	11,7	4,4	315	8	68,6	3,5	27,9	402
3	76,9	10,8	12,2	343	23-15-1	90,4	4,9	4,6	305
5	71,1	10,0	18,9	371	3	82,9	4,5	12,6	333
7	66,2	9,3	24,5	389	5	76,5	4,1	19,4	361
22-38-2	80,0	11,5	8,5	330	7	70,9	3,9	25,2	389
4	73,8	10,6	15,6	358	23-16-2	86,2	5,0	8,7	320
6	68,4	9,8	21,7	386	4	79,3	4,6	16,1	348
8	63,7	9,2	27,0	414	6	73,4	4,3	22,3	376
22-39-1	83,3	12,3	4,4	317	8	68,3	4,0	27,7	404
3	76,5	11,3	12,2	345	23-17-1	89,9	5,5	4,6	307
5	70,8	10,4	18,8	373	3	82,4	5,1	12,5	335
7	65,8	24,4	9,7	401	5	76,0	4,7	19,3	363
22-40-2	79,5	12,0	8,4	332	7	70,6	4,3	25,1	391
4	73,3	11,1	15,6	360	23-18-2	85,7	5,6	8,7	322
6	68,0	10,3	21,6	388	4	78,8	5,1	16,0	350
8	63,5	9,6	26,9	416	6	73,0	4,8	22,2	378
22-41-1	82,7	12,8	4,4	319	8	68,0	4,4	27,6	406
3	76,1	11,8	12,1	347	23-19-1	89,3	6,1	4,5	309
5	70,4	10,9	18,7	375	3	81,9	5,6	12,5	337
7	65,5	10,2	24,3	403	5	75,6	5,2	19,2	365
22-42-2	79,0	12,6	8,4	334	7	70,2	4,8	24,9	393
4	72,9	11,6	15,5	362	23-20-2	85,2	6,2	8,6	324
6	67,7	10,7	21,5	390	4	78,4	5,7	15,9	352
8	63,1	10,0	26,8	418	6	72,6	5,3	22,1	380
22-43-1	82,2	13,4	4,4	321	8	67,6	4,9	27,4	408
3	75,6	12,3	12,0	349	23-21-1	88,7	6,8	4,5	311
5	70,0	11,4	18,6	377	3	81,4	6,2	12,4	339
7	65,2	10,6	24,2	405	5	75,2	5,7	19,1	367
22-44-2	78,6	13,1	8,3	336	7	69,9	5,3	24,8	395
4	72,5	12,1	15,4	364	23-22-2	84,7	6,7	8,6	326
6	67,3	11,2	21,4	392	4	78,0	6,2	15,8	354
8	62,8	10,5	26,7	420	6	72,2	5,7	22,0	382
22-45-1	81,7	13,9	4,3	323	8	67,3	5,4	27,3	410
3	75,2	12,8	12,0	351	23-23-1	88,2	7,3	4,5	313
5	69,6	11,9	18,5	379	3	80,9	6,7	12,3	341
7	64,9	11,0	24,1	407	5	74,8	6,2	19,0	369
22-46-2	78,1	13,6	8,3	338	7	69,5	5,8	24,7	397
4	72,1	12,6	15,3	366	23-24-2	87,9	7,6	4,5	314
6	67,0	11,7	21,3	394	4	80,7	7,0	12,3	342
8	62,5	10,9	26,5	422	6	74,6	6,5	18,9	370
22-47-1	81,2	14,5	4,3	325	8	69,4	6,0	24,6	398
3	74,8	13,3	11,9	353	23-25-1	87,6	7,9	4,4	315
5	69,3	12,3	18,4	381	3	80,4	7,3	12,2	343
7	64,6	11,5	23,9	409	5	74,4	6,7	18,9	371
22-48-2	77,6	14,1	8,2	340	7	69,2	6,3	24,5	399
4	71,7	13,0	15,2	368	23-26-2	83,6	7,8	8,5	330
6	66,7	12,1	21,2	396	4	77,1	7,3	15,6	358
8	62,3	11,3	26,4	424	6	71,5	6,7	21,8	386
23-12-2	87,3	3,8	8,9	316	8	66,7	6,3	27,0	414
4	80,2	3,5	16,2	344	23-27-1	87,1	8,5	4,4	317
6	74,2	3,2	22,6	372	3	80,0	7,8	12,2	345
8	69,0	3,0	28,0	400	5	74,0	7,2	18,8	373
23-13-1	91,1	4,3	4,6	303	7	68,8	6,7	24,4	401

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
<b>23—28—2</b>	83,1	8,4	8,4	332	<b>23—42—8</b>	64,2	9,8	26,0	430
4	76,7	7,8	15,5	360	<b>23—43—1</b>	82,9	12,9	4,2	333
6	71,1	7,2	21,7	388	3	76,4	11,9	11,6	361
8	66,3	6,7	26,9	416	5	70,9	11,0	18,0	389
<b>23—29—1</b>	86,5	9,1	4,4	319	7	66,2	10,3	23,5	417
3	79,5	8,3	12,1	347	<b>23—44—2</b>	79,3	12,6	8,1	348
5	73,6	7,7	18,7	375	4	73,4	11,7	14,9	376
7	68,5	7,2	24,3	403	6	68,3	10,9	20,8	404
<b>23—30—2</b>	82,6	9,0	8,4	334	8	63,9	10,2	25,9	432
4	76,2	8,3	15,5	362	<b>23—45—1</b>	82,4	13,4	4,2	335
6	70,8	7,7	21,5	390	3	76,0	12,4	11,6	363
8	66,0	7,2	26,8	418	5	70,6	11,5	17,9	391
<b>23—31—1</b>	86,0	9,7	4,3	321	7	65,9	10,7	23,4	419
3	79,1	8,9	12,0	349	<b>23—46—2</b>	78,8	13,1	8,0	350
5	73,2	8,2	18,6	377	4	73,0	12,2	14,8	378
7	68,1	7,6	24,2	405	6	65,0	11,3	20,7	406
<b>23—32—2</b>	82,1	9,5	8,3	336	8	63,6	10,6	25,8	434
4	75,8	8,8	15,4	364	<b>23—47—1</b>	81,9	14,0	4,1	337
6	70,4	8,2	21,4	392	3	75,6	12,9	11,5	365
8	65,7	7,6	26,7	420	5	70,2	12,0	17,8	393
<b>23—33—1</b>	85,4	10,2	4,3	323	7	65,5	11,2	23,3	421
3	78,7	9,4	11,9	351	<b>23—48—2</b>	78,4	13,6	8,0	352
5	72,8	8,7	18,5	379	4	72,6	12,6	14,7	380
7	67,8	8,1	24,1	407	6	67,6	11,8	20,6	408
<b>23—34—2</b>	81,7	10,0	8,3	338	8	63,3	11,0	25,7	436
4	75,4	9,3	15,3	366	<b>23—49—1</b>	81,4	14,4	4,1	339
6	70,0	8,6	21,3	394	3	75,2	13,3	11,4	367
8	65,4	8,1	26,5	422	5	69,9	12,4	17,7	395
<b>23—35—1</b>	84,9	10,8	4,3	325	7	65,2	11,6	23,2	423
3	78,2	9,9	11,9	353	<b>23—50—2</b>	78,0	14,1	7,9	354
5	72,4	9,2	18,4	381	4	72,2	13,1	14,7	382
7	67,5	8,6	23,9	409	6	67,3	12,2	20,5	410
<b>23—36—2</b>	81,2	10,6	8,2	340	8	63,0	11,4	25,6	438
4	75,0	9,8	15,2	368	<b>24—10—2</b>	88,3	3,1	8,6	326
6	69,7	9,1	21,2	396	4	81,3	2,8	15,8	354
8	65,1	8,5	26,4	424	6	75,4	2,6	22,0	382
<b>23—37—1</b>	84,4	11,3	4,3	327	8	70,2	2,4	27,3	410
3	77,7	10,4	11,8	355	<b>24—11—1</b>	92,0	3,5	4,5	313
5	72,1	9,6	18,3	383	3	84,5	3,2	12,3	341
7	67,1	9,0	23,8	411	5	78,0	3,0	19,0	369
<b>23—38—2</b>	80,7	11,1	8,2	342	7	70,1	2,7	27,2	411
4	74,6	10,3	15,1	370	<b>24—12—2</b>	87,8	3,6	8,6	328
6	69,4	9,5	21,1	398	4	80,9	3,4	15,7	356
8	64,8	8,9	26,3	426	6	75,0	3,1	21,9	384
<b>23—39—1</b>	83,9	11,9	4,2	329	8	69,9	2,9	27,2	412
3	77,3	10,9	11,8	357	<b>24—13—1</b>	91,4	4,1	4,4	315
5	71,7	10,1	18,2	385	3	83,9	3,8	12,2	343
7	66,8	9,4	23,7	413	5	77,6	3,5	18,9	371
<b>23—40—2</b>	80,2	11,6	8,1	344	7	72,2	3,3	24,5	359
4	74,2	10,8	15,0	372	<b>24—14—2</b>	87,3	4,2	8,5	330
6	69,0	10,0	21,0	400	4	80,5	3,9	15,6	358
8	64,5	9,3	26,2	428	6	74,6	3,6	21,8	386
<b>23—41—1</b>	83,4	12,4	4,2	331	8	69,5	3,4	27,0	414
3	76,9	11,4	11,7	359	<b>24—15—1</b>	90,9	4,7	4,4	317
5	71,3	10,6	18,1	387	3	83,5	4,3	12,2	345
7	64,3	9,6	26,1	429	5	77,2	4,0	18,8	373
<b>23—42—2</b>	79,8	12,1	8,1	346	7	71,8	3,7	24,4	401
4	73,8	11,2	15,0	374	<b>24—16—2</b>	86,7	4,8	8,4	332
6	68,6	10,4	20,9	402	4	80,0	4,4	15,6	360

C-H-N	C %	H %	N %	M.G.	C-H-N	C %	H %	N %	M.G.
24-16-6	74,2	4,1	21,6	388	24-31-1	86,5	9,3	4,2	333
8	69,2	3,8	26,9	416	3	79,8	8,6	11,6	361
24-17-1	90,3	5,3	4,4	319	5	74,0	8,0	18,0	389
3	83,0	4,9	12,1	347	7	69,0	7,4	23,5	417
5	76,8	4,5	18,7	375	24-32-2	82,8	9,2	8,0	348
7	71,4	4,2	24,3	403	4	76,6	8,5	14,9	376
24-18-2	86,2	5,4	8,4	334	6	71,3	7,9	20,8	404
4	79,5	5,0	15,5	362	8	66,7	7,4	25,9	432
6	73,9	4,6	21,5	390	24-33-1	86,0	9,8	4,2	335
8	68,9	4,3	26,8	418	3	79,3	9,1	11,6	363
24-19-1	89,7	5,9	4,4	321	5	73,7	8,4	17,9	391
3	82,5	5,4	12,0	349	7	68,8	7,8	23,4	419
5	76,4	5,0	18,6	377	24-34-2	82,3	9,7	8,0	350
7	71,1	4,7	24,2	405	4	76,2	9,0	14,8	378
24-20-2	85,7	5,9	8,3	336	6	70,9	8,4	20,7	406
4	79,1	5,5	15,4	364	8	66,3	7,8	25,8	434
6	73,5	5,1	21,4	392	24-35-1	85,4	10,4	4,2	337
8	68,6	4,7	26,7	420	3	78,9	9,6	11,5	365
24-21-1	89,2	6,5	4,3	323	5	73,3	8,9	17,8	393
3	82,0	6,0	12,0	351	7	68,4	8,3	23,3	421
5	76,0	5,5	18,5	379	24-36-2	81,8	10,2	7,9	352
7	70,7	5,2	24,1	407	4	75,8	9,5	14,7	380
24-22-2	85,2	6,5	8,3	338	6	70,6	8,8	20,6	408
4	78,7	6,0	15,3	366	8	66,1	8,2	25,7	436
6	73,1	5,6	21,3	394	24-37-1	85,0	10,9	4,1	339
8	68,2	5,2	26,5	422	3	78,5	10,1	11,4	367
24-23-1	88,6	7,1	4,3	325	5	72,9	9,4	17,7	365
3	81,6	6,5	11,9	353	7	68,1	8,7	23,2	423
5	75,6	6,0	18,4	381	24-38-2	81,4	10,7	7,9	354
7	70,4	5,6	24,0	409	4	75,4	9,9	14,7	382
24-24-2	84,7	7,1	8,2	340	6	70,2	9,3	20,5	410
4	78,3	6,5	15,2	368	8	65,7	8,7	25,6	438
6	72,7	6,1	21,2	396	24-39-1	84,5	11,4	4,1	341
8	67,9	5,7	26,4	424	3	78,0	10,6	11,4	369
24-25-1	88,1	7,6	4,3	327	5	72,6	9,8	17,6	397
3	81,1	7,0	11,8	355	7	67,8	9,2	23,0	425
5	75,2	6,5	18,3	383	24-40-2	80,9	11,2	7,9	356
7	70,1	6,1	23,8	411	4	75,0	10,4	14,6	384
24-26-2	84,2	7,6	8,2	342	6	69,9	9,7	20,4	412
4	77,8	7,0	15,1	370	8	65,5	9,1	25,4	440
6	72,4	6,5	21,1	398	24-41-1	83,9	12,0	4,1	343
8	67,6	6,1	26,3	426	3	77,6	11,0	11,3	371
24-27-1	87,6	8,2	4,2	329	5	72,2	10,3	17,5	399
3	80,6	7,6	11,8	357	7	67,4	9,6	22,9	427
5	74,8	7,0	18,2	385	24-42-2	80,4	11,7	7,8	358
7	69,7	6,5	23,7	413	4	74,6	10,9	14,5	386
9	65,3	6,1	28,6	441	6	69,6	10,1	20,3	414
24-28-2	83,7	8,1	8,1	344	8	65,1	9,5	25,3	442
4	77,4	7,5	15,0	372	24-43-1	83,5	12,5	4,0	345
6	72,0	7,0	21,0	400	3	77,2	11,5	11,2	373
8	67,3	6,5	26,2	428	5	71,8	10,7	17,5	401
24-29-1	87,0	8,8	4,2	331	7	67,1	10,0	22,8	429
3	80,2	8,1	11,7	359	24-44-2	80,0	22,2	7,8	360
5	74,4	7,5	18,1	387	4	74,2	11,3	14,4	388
7	69,4	7,0	23,6	415	6	69,2	10,6	20,2	416
24-30-2	83,2	8,7	8,1	346	8	64,9	9,9	25,2	444
4	77,0	8,0	15,0	374	24-45-1	83,0	13,0	4,0	347
6	71,7	7,4	20,9	402	3	76,8	12,0	11,2	375
8	67,0	7,0	26,0	430	5	71,4	11,2	17,4	403

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
<b>24—45—7</b>	66,8	10,4	22,7	431	<b>25—17—5</b>	77,5	4,4	18,1	387
<b>24—46—2</b>	79,6	12,7	7,7	362	<b>25—18—2</b>	7	72,3	4,1	23,6
<b>4</b>	73,8	11,8	14,4	390	<b>25—19—1</b>	86,7	5,2	8,1	346
<b>6</b>	68,9	11,0	20,1	418	<b>25—20—2</b>	4	80,2	4,8	15,0
<b>8</b>	64,6	10,3	25,1	446	<b>25—21—1</b>	8	74,6	4,5	20,9
<b>24—47—1</b>	82,5	13,5	4,0	349	<b>25—22—2</b>	8	69,8	4,2	26,1
<b>3</b>	76,4	12,5	11,1	377	<b>25—23—1</b>	90,1	5,7	4,2	333
<b>5</b>	71,1	11,6	17,3	405	<b>25—24—2</b>	3	83,1	5,3	11,6
<b>7</b>	66,5	10,9	22,6	433	<b>25—25—1</b>	5	77,1	4,9	18,0
<b>24—48—2</b>	79,1	13,2	7,7	364	<b>25—26—2</b>	7	71,9	4,6	23,5
<b>4</b>	73,4	12,2	14,3	392	<b>25—27—1</b>	8	69,4	4,6	25,9
<b>6</b>	68,6	11,4	20,0	420	<b>25—28—2</b>	8	62,2	5,7	8,0
<b>8</b>	64,3	10,7	25,0	448	<b>25—29—1</b>	3	82,6	5,8	11,6
<b>24—49—1</b>	82,1	13,9	4,0	351	<b>25—30—2</b>	6	74,2	4,9	20,8
<b>3</b>	76,0	12,9	11,1	379	<b>25—31—1</b>	8	69,4	4,6	404
<b>5</b>	70,8	12,0	17,2	407	<b>25—32—2</b>	8	69,6	4,2	335
<b>7</b>	66,2	11,3	22,5	435	<b>25—33—1</b>	3	82,2	6,2	4,2
<b>24—50—2</b>	78,7	13,7	7,6	366	<b>25—34—2</b>	7	71,6	5,0	23,4
<b>4</b>	73,1	12,7	14,2	394	<b>25—35—1</b>	8	85,7	6,3	419
<b>6</b>	68,2	11,8	19,9	422	<b>25—36—2</b>	4	79,3	5,8	350
<b>8</b>	64,0	11,1	24,9	450	<b>25—37—1</b>	6	73,9	5,4	378
<b>24—51—1</b>	81,6	14,4	4,0	353	<b>25—38—2</b>	5	76,7	5,4	406
<b>3</b>	75,6	13,4	11,0	381	<b>25—39—1</b>	8	69,1	5,1	391
<b>5</b>	70,4	12,5	17,1	409	<b>25—40—2</b>	3	82,2	6,3	23,3
<b>7</b>	65,9	11,7	22,4	437	<b>25—41—1</b>	5	76,3	5,8	365
<b>24—52—2</b>	78,2	14,1	7,6	368	<b>25—42—2</b>	7	71,2	5,5	421
<b>4</b>	72,7	13,1	14,1	396	<b>25—43—1</b>	8	68,8	5,5	352
<b>6</b>	67,9	12,3	19,8	424	<b>25—44—2</b>	4	79,0	6,3	14,7
<b>8</b>	63,7	11,5	24,8	452	<b>25—45—1</b>	6	73,5	5,9	380
<b>25—10—2</b>	88,8	2,9	8,3	338	<b>25—46—2</b>	8	88,8	5,5	20,6
<b>4</b>	82,0	2,7	15,3	366	<b>25—47—1</b>	3	88,5	7,4	339
<b>6</b>	76,1	2,6	21,3	394	<b>25—48—2</b>	3	81,7	6,8	367
<b>8</b>	71,1	2,4	26,5	422	<b>25—49—1</b>	5	76,0	6,3	17,7
<b>25—11—1</b>	92,3	3,4	4,3	325	<b>25—50—2</b>	7	70,9	5,9	408
<b>3</b>	85,0	3,1	11,9	353	<b>25—51—1</b>	8	84,7	7,3	23,2
<b>5</b>	78,7	2,9	18,4	381	<b>25—52—2</b>	4	78,5	6,8	354
<b>7</b>	73,3	2,7	24,0	409	<b>25—53—1</b>	6	73,2	6,3	20,5
<b>25—12—2</b>	88,2	3,5	8,2	340	<b>25—54—2</b>	8	68,5	5,9	410
<b>4</b>	81,5	3,3	15,2	368	<b>25—55—1</b>	3	88,0	7,9	348
<b>6</b>	75,7	3,0	21,3	396	<b>25—56—2</b>	3	81,3	7,3	411
<b>8</b>	70,7	2,8	26,4	424	<b>25—57—1</b>	5	75,6	6,8	369
<b>25—13—1</b>	91,7	4,0	4,3	327	<b>25—58—2</b>	7	70,6	6,3	14,7
<b>3</b>	84,5	3,7	11,8	355	<b>25—59—1</b>	8	80,8	7,8	425
<b>5</b>	78,3	3,4	18,3	383	<b>25—60—2</b>	4	78,1	7,3	356
<b>7</b>	73,0	3,2	23,8	411	<b>25—61—1</b>	6	72,8	6,8	384
<b>25—14—2</b>	87,7	4,1	8,2	342	<b>25—62—2</b>	8	68,2	6,4	412
<b>4</b>	81,1	3,8	15,1	370	<b>25—63—1</b>	7	70,3	6,8	25,4
<b>6</b>	75,4	3,5	21,1	398	<b>25—64—2</b>	3	80,8	7,8	440
<b>8</b>	70,4	3,3	26,3	426	<b>25—65—1</b>	5	75,2	7,3	371
<b>25—15—1</b>	91,2	4,6	4,2	329	<b>25—66—2</b>	7	70,3	6,8	22,9
<b>3</b>	81,0	4,2	11,8	357	<b>25—67—1</b>	8	83,8	8,3	427
<b>5</b>	77,9	3,9	18,2	385	<b>25—68—2</b>	4	77,7	7,8	358
<b>7</b>	72,6	3,6	23,7	413	<b>25—69—1</b>	6	72,4	7,2	14,5
<b>25—16—2</b>	87,2	4,6	8,1	344	<b>25—70—2</b>	8	67,9	6,8	386
<b>4</b>	80,6	4,3	15,1	372	<b>25—71—1</b>	3	80,4	8,3	401
<b>6</b>	75,0	4,0	21,0	400	<b>25—72—2</b>	5	74,8	7,7	22,8
<b>8</b>	70,1	3,7	26,2	428	<b>25—73—1</b>	7	69,9	7,2	429
<b>25—17—1</b>	90,6	5,1	4,2	331	<b>25—74—2</b>	8	63,3	8,9	360
<b>3</b>	83,6	4,7	11,7	359	<b>25—75—1</b>	8	78	7,8	

C-H-N	C%	H%	N%	M.G.	C-H-N	C%	H%	N%	M.G.
25-32-4	77,3	8,2	14,4	388	25-47-1	83,1	13,0	3,9	361
6	72,1	7,7	20,2	416	3	77,1	12,1	10,8	389
8	67,6	7,2	25,2	444	5	71,9	11,3	16,8	417
25-33-1	86,5	9,5	4,0	347	7	67,4	10,6	22,0	445
3	80,0	8,8	11,2	375	25-48-2	79,8	12,8	7,4	376
5	74,4	8,2	17,4	403	4	74,2	11,9	13,9	404
7	69,6	7,6	22,7	431	6	69,4	11,1	19,5	432
25-34-2	82,9	9,4	7,7	362	8	65,2	10,4	24,3	460
4	76,9	8,7	14,4	399	25-49-1	82,6	13,5	3,9	363
6	71,8	8,1	20,1	418	3	76,7	12,5	10,7	391
8	67,3	7,6	25,1	446	5	71,6	11,7	16,7	419
25-35-1	86,0	10,0	4,0	349	7	67,1	11,0	21,9	447
3	79,6	9,3	11,1	377	25-50-2	79,3	13,2	7,4	378
5	74,1	8,6	17,3	405	4	73,9	12,3	13,8	406
7	69,3	8,1	22,6	433	6	69,1	11,5	19,4	434
25-36-2	82,4	9,9	7,7	364	8	64,9	10,8	24,2	462
4	76,5	9,2	14,3	392	25-51-1	82,2	14,0	3,8	365
6	71,4	8,6	20,0	420	3	76,3	13,0	10,7	393
8	67,0	8,0	25,0	448	5	71,2	12,1	16,6	421
25-37-1	85,5	10,5	4,0	351	7	66,8	11,3	21,8	449
3	79,1	9,8	11,1	379	25-52-2	79,0	13,7	7,3	380
5	73,7	9,1	17,2	407	4	73,5	12,7	13,7	408
7	69,0	8,5	22,5	435	6	68,8	11,9	19,3	436
25-38-2	82,0	10,4	7,6	366	8	64,6	11,2	24,1	464
4	76,1	9,6	14,2	394	25-53-1	81,7	14,4	3,8	367
6	71,1	9,0	19,9	422	3	75,9	13,4	10,6	395
8	66,7	8,2	25,0	450	5	70,9	12,5	16,5	423
25-39-1	85,0	11,0	4,0	353	7	66,5	11,7	21,7	451
3	78,7	10,2	11,0	381	25-54-2	78,5	14,1	7,3	382
5	73,3	9,6	17,1	409	4	73,2	13,2	13,6	410
7	68,6	8,9	22,4	437	6	68,5	12,3	19,2	438
25-40-2	81,5	10,9	7,6	368	8	64,4	11,6	24,0	466
4	75,7	10,1	14,1	396	26-12-2	88,6	3,4	8,0	352
6	70,7	9,4	19,8	424	4	82,1	3,2	14,7	380
8	66,4	8,8	24,8	452	6	76,5	2,9	20,6	408
25-41-1	84,5	11,6	3,9	355	8	71,6	2,7	25,7	436
3	78,3	10,7	11,0	383	26-13-1	92,0	3,8	4,1	339
5	73,0	10,0	17,0	411	3	85,0	3,5	11,4	367
7	68,3	9,3	22,3	439	5	79,0	3,3	17,7	395
25-42-2	81,1	11,3	7,6	370	7	73,7	3,1	23,2	423
4	75,4	10,6	14,0	398	26-14-2	88,1	4,0	7,9	354
6	70,4	9,9	19,7	426	4	81,7	3,7	14,6	382
8	66,1	9,2	24,7	454	6	76,1	3,4	20,5	410
25-43-1	84,0	12,0	3,9	357	8	71,2	3,2	25,6	438
3	77,9	11,2	10,9	385	26-15-1	91,5	4,4	4,1	341
5	72,3	10,8	16,9	415	3	84,5	4,1	11,4	369
7	68,0	9,7	22,2	441	5	78,6	3,8	17,6	397
25-44-2	80,6	11,8	7,5	372	7	73,4	3,5	23,1	425
4	75,0	11,0	14,0	400	26-16-2	87,6	4,5	7,9	356
6	70,1	10,3	19,6	428	4	81,3	4,1	14,6	384
8	65,8	9,6	24,6	456	6	75,7	3,9	20,4	412
25-45-1	83,6	12,5	3,9	359	8	70,9	3,6	25,4	440
3	77,5	11,6	10,9	387	26-17-1	90,9	4,9	4,1	343
5	72,3	10,8	16,9	415	3	84,1	4,6	11,3	371
7	67,7	10,2	22,1	443	5	78,2	4,3	17,5	399
25-46-2	80,2	12,3	7,5	374	7	73,1	4,0	22,9	427
4	74,6	11,4	13,9	402	26-18-2	87,1	5,0	7,8	358
6	69,8	10,7	19,5	430	4	80,8	4,7	14,5	386
8	65,5	10,0	24,4	458	6	75,3	4,3	20,3	414

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
26—18—8	70,6	4,1	25,3	442	26—33—5	75,2	7,9	16,9	415
26—19—1	90,5	5,5	4,0	345	7	70,5	7,4	22,1	443
3	83,6	5,1	11,2	373	26—34—2	83,4	9,1	7,5	374
5	77,8	4,7	17,5	401	4	77,6	8,4	13,9	402
7	72,7	4,4	22,8	420	6	72,6	7,9	19,5	430
26—20—2	86,7	5,5	7,8	360	8	68,1	7,4	21,5	458
4	80,4	5,2	14,4	388	26—35—1	86,4	9,7	3,9	361
6	75,0	4,8	20,2	416	3	80,2	9,0	10,8	389
8	70,3	4,5	25,2	444	5	74,8	8,4	16,8	417
26—21—1	89,9	6,1	4,0	347	7	70,1	7,9	22,0	445
3	83,2	5,6	11,2	375	26—36—2	83,0	9,6	7,4	376
5	77,4	5,2	17,4	403	4	77,2	8,9	13,9	404
7	72,4	4,9	22,7	431	6	72,2	8,3	19,4	432
26—22—2	86,2	6,1	7,7	362	8	67,8	7,8	24,3	460
4	80,0	5,6	14,3	390	26—37—1	86,0	10,2	3,8	363
6	74,6	5,3	20,1	418	3	79,8	9,4	10,7	391
8	70,0	4,9	25,1	446	5	74,4	8,8	16,7	419
26—23—1	89,4	6,6	4,0	349	7	69,8	8,3	21,9	447
3	82,8	6,1	11,1	377	26—38—2	82,5	10,1	7,4	378
5	77,0	5,7	17,3	405	4	76,8	9,4	13,8	406
7	72,1	5,3	22,6	433	6	71,9	8,7	19,3	434
26—24—2	85,7	6,6	7,7	364	8	67,5	8,3	24,2	462
4	79,6	6,1	14,3	392	26—39—1	85,5	10,7	3,8	365
6	74,3	5,7	20,0	420	3	79,4	9,9	10,7	393
8	69,6	5,4	25,0	448	5	74,1	9,3	16,6	421
26—25—1	88,9	7,1	4,0	351	7	69,5	8,7	21,8	449
3	82,3	6,6	11,1	379	26—40—2	82,1	10,5	7,4	380
5	76,7	6,1	17,2	407	4	76,5	9,8	13,7	408
7	71,7	5,7	22,5	435	6	71,6	9,2	19,2	436
26—26—2	85,2	7,1	7,6	366	8	67,2	8,6	24,1	464
4	79,2	6,6	14,2	394	26—41—1	85,0	11,2	3,8	367
6	73,9	6,2	19,9	422	3	79,0	10,4	10,6	395
8	69,3	5,8	24,9	450	5	73,7	9,7	16,5	423
26—27—1	88,4	7,6	4,0	353	7	69,2	9,1	21,7	451
3	81,9	7,1	11,0	381	26—42—2	81,7	11,0	7,3	382
5	76,3	6,6	17,1	409	4	76,1	10,2	13,6	410
7	71,4	6,2	22,4	437	6	71,2	9,6	19,2	438
26—28—2	84,8	7,6	7,6	368	8	67,0	9,0	24,0	466
4	78,8	7,1	14,1	396	26—43—1	84,5	11,6	3,8	369
6	73,6	6,6	19,8	424	3	78,6	10,8	10,6	397
8	69,0	6,2	24,8	452	5	73,4	10,1	16,5	425
26—29—1	87,9	8,2	3,9	355	7	68,9	9,5	21,6	453
3	81,5	7,6	10,9	383	26—44—2	81,2	11,4	7,3	384
5	75,9	7,1	17,0	411	4	75,7	10,7	13,6	412
7	71,1	6,6	22,3	439	6	70,9	10,0	19,1	440
26—30—2	84,3	8,1	7,6	370	8	66,7	9,4	23,9	468
4	78,4	7,5	14,1	398	26—45—1	84,1	12,1	3,8	371
6	73,3	7,0	19,7	426	3	78,2	11,3	10,5	399
8	68,7	6,6	24,7	454	5	73,1	10,5	16,4	427
26—31—1	87,4	8,7	3,9	357	7	68,6	9,9	21,5	455
3	81,0	8,0	10,9	385	26—46—2	80,8	11,9	7,2	386
5	75,5	7,5	17,0	413	4	75,3	11,1	13,5	414
7	70,8	7,0	22,2	441	6	70,6	10,4	19,0	442
26—32—2	83,9	8,6	7,4	372	8	66,4	9,8	23,8	470
4	78,0	8,0	14,0	400	26—47—1	83,6	12,6	3,7	373
6	72,9	7,5	19,6	428	3	77,8	11,7	10,5	401
8	68,4	7,0	24,6	456	5	72,7	11,0	16,3	429
26—33—1	86,9	9,2	3,9	359	7	68,3	10,3	21,4	457
3	80,6	8,5	10,9	387	26—48—2	80,4	12,4	7,2	388

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
<b>26—48—4</b>	75,0	11,5	13,5	416	<b>27—20—2</b>	87,1	5,4	7,5	372
6	70,3	10,8	18,9	444	4	81,0	5,0	14,0	400
8	66,1	10,2	23,7	472	6	75,7	4,7	19,6	428
<b>26—49—1</b>	83,2	13,1	3,7	375	8	71,1	4,4	24,5	456
3	77,4	12,2	10,4	403	<b>27—21—1</b>	90,3	5,8	3,9	359
5	72,4	11,4	16,2	431	3	83,7	5,4	10,8	387
7	68,0	10,7	21,3	459	5	78,1	5,0	16,9	415
<b>26—50—2</b>	80,0	12,8	7,2	390	7	73,2	4,7	22,1	443
4	74,6	12,0	13,4	418	<b>27—22—2</b>	86,6	5,9	7,5	374
6	70,0	11,2	18,8	446	4	80,6	5,5	13,9	402
8	65,8	10,6	23,6	474	6	75,4	5,1	19,5	430
<b>26—51—1</b>	82,8	13,5	3,7	377	8	70,7	4,8	24,4	458
3	77,0	12,6	10,4	405	<b>27—23—1</b>	89,7	6,4	3,9	361
5	72,0	11,8	16,2	433	3	83,3	5,9	10,8	389
7	67,7	11,1	21,2	461	5	77,7	5,5	16,8	417
<b>26—52—2</b>	82,5	13,7	3,7	378	7	72,8	5,2	22,0	445
4	74,3	12,4	13,3	420	<b>27—24—2</b>	86,2	6,4	7,4	376
6	69,6	11,6	18,8	445	4	80,2	5,9	13,8	404
8	58,6	9,8	31,6	532	6	75,0	5,6	19,4	432
<b>26—53—1</b>	82,3	14,0	3,7	379	8	70,4	5,2	24,3	460
3	76,6	13,0	10,3	407	<b>27—25—1</b>	89,3	6,9	3,8	363
5	71,7	12,2	16,1	435	3	82,9	6,4	10,7	391
7	67,4	11,4	21,2	463	5	77,4	5,9	16,7	419
<b>26—54—2</b>	79,2	13,7	7,1	394	7	72,5	5,6	21,9	447
4	73,9	12,8	13,3	422	<b>27—26—2</b>	85,7	6,9	7,4	378
6	69,3	12,0	18,7	450	4	79,8	6,4	13,8	406
8	65,3	11,3	23,4	478	6	74,6	6,0	19,4	434
<b>26—55—1</b>	81,9	14,4	3,7	381	8	70,1	5,6	24,2	462
3	76,3	13,4	10,3	409	<b>27—27—1</b>	88,8	7,4	3,8	365
5	71,4	12,6	16,0	437	3	82,4	6,9	10,7	393
7	67,1	11,8	21,1	465	5	77,0	6,4	16,6	421
<b>27—13—1</b>	92,3	3,7	4,0	351	7	72,1	6,0	21,8	449
3	85,5	3,4	11,1	379	<b>27—28—2</b>	85,3	7,3	7,3	380
5	79,6	3,2	17,2	407	4	79,4	6,9	13,7	408
7	74,5	3,0	22,5	435	6	74,3	6,4	19,3	436
<b>27—14—2</b>	88,5	3,8	7,7	306	8	69,8	6,0	24,1	464
4	82,2	3,6	14,2	394	<b>27—29—1</b>	88,3	7,9	3,8	367
6	76,8	3,3	19,9	422	3	82,0	7,3	10,8	395
8	72,0	3,1	24,9	450	5	76,6	6,9	16,5	423
<b>27—15—1</b>	91,8	4,2	4,0	353	7	71,8	6,4	21,7	451
3	85,0	3,9	11,0	381	<b>27—30—2</b>	84,8	7,9	7,3	382
5	79,2	3,7	17,1	409	4	79,0	7,3	13,7	410
7	74,1	3,4	22,4	437	6	74,0	6,8	19,2	438
<b>27—16—2</b>	88,0	4,3	7,6	368	8	69,5	6,4	24,0	466
4	81,8	4,0	14,1	396	<b>27—31—1</b>	87,8	8,4	3,8	369
6	76,4	3,8	19,8	424	3	81,6	7,8	10,8	397
8	71,7	3,5	24,8	452	5	76,2	7,3	16,5	425
<b>27—17—1</b>	91,3	4,8	3,9	355	7	71,5	6,8	21,6	453
3	84,6	4,4	11,0	383	<b>27—32—2</b>	84,4	8,3	7,3	384
5	78,8	4,1	17,0	411	4	78,6	7,8	13,6	412
7	73,8	3,9	22,3	439	6	73,6	7,3	19,1	440
<b>27—18—2</b>	87,6	4,8	7,6	370	8	69,2	6,8	23,9	468
4	81,4	4,5	14,1	398	<b>27—33—1</b>	87,3	8,9	3,8	371
6	76,0	4,2	19,7	426	3	81,2	8,3	10,5	399
8	71,4	3,9	24,7	454	5	75,9	7,7	16,4	427
<b>27—19—1</b>	90,8	5,3	3,9	357	7	71,2	7,2	21,5	455
3	84,1	4,9	10,9	385	<b>27—34—2</b>	83,9	8,8	7,3	386
5	78,4	4,6	16,9	413	4	78,2	8,2	13,5	414
7	73,5	4,3	22,2	441	6	73,3	7,7	19,0	442

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
27—34—8	68,9	7,2	23,8	470	27—49—5	73,2	11,0	15,8	443
27—35—1	86,9	9,4	3,7	373	27—50—2	68,7	10,5	20,8	471
3	80,8	8,7	10,5	401	4	75,4	11,6	13,0	430
5	75,5	8,2	16,3	429	6	70,7	10,9	18,3	458
7	70,9	7,7	21,4	457	8	66,6	10,3	23,0	486
27—36—2	83,5	9,3	7,2	388	27—51—1	83,3	13,1	3,6	389
4	77,9	8,6	13,4	416	3	77,7	12,2	10,1	417
6	73,0	8,1	18,9	444	5	72,8	11,5	15,7	445
8	68,7	7,6	23,7	472	7	68,5	10,8	20,7	473
27—37—1	86,4	9,9	3,7	375	27—52—2	80,2	12,9	6,9	404
3	80,4	9,2	10,4	403	4	75,0	12,0	13,0	432
5	75,2	8,6	16,2	431	6	70,4	11,3	18,3	460
7	70,6	8,1	21,3	459	8	66,4	10,6	22,9	488
27—38—2	83,1	9,7	7,2	390	27—53—1	82,9	13,5	3,6	391
4	77,5	9,1	13,4	418	3	77,3	12,6	10,0	419
6	72,6	8,5	18,8	446	5	72,5	11,8	15,7	447
8	68,4	8,0	23,6	474	7	68,2	11,2	20,6	475
27—39—1	86,0	10,3	3,7	377	27—54—2	79,8	13,3	6,9	406
3	80,0	9,6	10,4	405	4	74,6	12,4	12,9	434
5	74,8	9,0	16,2	433	6	70,1	11,7	18,2	462
7	70,3	8,4	21,2	461	8	66,1	11,0	22,8	490
27—40—2	82,7	10,2	7,1	392	27—55—1	82,4	14,0	3,6	393
4	77,1	9,5	13,3	420	3	76,9	13,1	10,0	421
6	72,3	8,9	18,8	448	5	72,1	12,2	15,6	449
8	68,1	8,4	23,5	476	7	67,9	11,5	20,5	477
27—41—1	85,5	10,8	3,7	379	27—56—2	79,4	13,7	6,9	408
3	79,6	10,1	10,2	407	4	74,3	12,8	12,8	436
5	74,5	9,4	16,1	435	6	69,8	12,1	18,1	464
7	70,0	8,8	21,2	463	8	65,9	11,4	22,7	492
27—42—2	82,2	10,7	7,1	394	28—14—2	88,9	3,7	7,4	378
4	76,8	9,9	13,3	422	4	82,8	3,4	13,8	406
6	72,0	9,3	18,7	450	6	77,4	3,2	19,4	434
8	67,8	8,8	23,4	478	8	72,7	3,0	24,2	462
27—43—1	85,0	11,3	3,7	381	28—15—1	92,1	4,1	3,8	395
3	79,2	10,5	10,3	409	3	85,5	3,8	10,7	393
5	74,1	9,8	16,0	437	5	79,8	3,6	16,6	421
7	69,7	9,2	21,1	465	7	74,8	3,3	21,8	449
27—44—2	81,8	11,1	7,1	396	28—16—2	88,4	4,2	7,4	380
4	76,4	10,4	13,2	424	4	82,3	3,9	13,7	408
6	71,7	9,7	18,6	452	6	77,1	3,7	19,2	436
8	67,5	9,2	23,3	480	8	72,4	3,4	24,1	464
27—45—1	84,6	11,7	3,7	383	28—17—1	91,6	4,6	3,8	367
3	78,8	10,9	10,2	411	3	85,0	4,3	10,6	395
5	73,8	10,2	15,9	439	5	79,4	4,0	16,5	423
7	69,4	9,6	21,0	467	7	74,5	3,8	21,7	451
27—46—2	81,4	11,6	7,0	398	28—18—2	88,0	4,7	7,3	382
4	76,0	10,8	13,1	426	4	81,9	4,4	13,6	410
6	71,4	10,1	18,5	454	6	76,7	4,1	19,2	438
8	67,2	9,5	23,2	482	8	72,1	3,9	24,0	466
27—47—1	84,1	12,2	3,6	385	28—19—1	91,0	5,1	3,8	369
3	78,4	11,4	10,2	413	3	84,6	4,8	10,6	397
5	73,5	10,6	15,9	441	5	79,1	4,4	16,5	425
7	69,1	10,0	20,9	469	7	74,2	4,2	21,6	453
27—48—2	81,0	12,0	7,0	400	28—20—2	87,5	5,2	7,3	384
4	75,7	11,2	13,1	428	4	81,6	4,8	13,6	412
6	71,1	10,5	18,4	456	6	76,4	4,5	19,1	440
8	66,9	9,9	23,1	484	8	71,8	4,3	23,9	468
27—49—1	83,7	12,7	3,6	387	28—21—1	90,6	5,6	3,8	371
3	78,1	11,8	10,1	415					

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
<b>28—21—3</b>	84,2	5,3	10,5	399	<b>28—36—2</b>	84,0	9,0	7,0	400
5	78,7	4,9	16,4	427	4	78,5	8,4	13,1	428
7	73,0	4,6	21,5	455	6	73,7	7,9	18,4	456
<b>28—22—2</b>	87,0	5,7	7,2	386	8	69,4	7,4	23,1	484
4	81,1	5,3	13,5	414	<b>28—37—1</b>	86,9	9,5	3,6	387
6	76,0	5,0	19,0	442	3	81,0	8,9	10,1	415
8	71,5	4,7	23,8	470	5	75,9	8,3	15,8	443
<b>28—23—1</b>	90,1	6,2	3,7	373	7	71,3	7,8	20,8	471
3	83,8	5,7	10,5	401	<b>28—38—2</b>	83,6	9,4	7,0	402
5	78,3	5,4	16,3	429	4	78,2	8,8	13,0	430
7	73,5	5,0	21,4	457	6	73,4	8,3	18,3	458
<b>28—24—2</b>	86,6	6,2	7,2	388	8	69,1	7,8	23,0	486
4	80,8	5,8	13,4	416	<b>28—39—1</b>	86,3	10,0	3,6	389
6	75,7	5,4	18,9	444	3	80,6	9,3	10,1	417
8	71,2	5,1	23,7	472	5	75,5	8,8	15,7	445
<b>28—25—1</b>	89,6	6,7	3,7	375	7	71,0	8,2	20,7	473
3	83,4	6,2	10,4	403	<b>28—40—2</b>	83,2	9,9	6,9	404
5	78,0	5,8	16,2	431	4	77,8	9,2	13,0	432
7	73,2	5,4	21,4	459	6	73,0	8,7	18,3	460
<b>28—26—2</b>	86,1	6,7	7,2	390	8	68,8	8,2	23,0	488
4	80,4	6,2	13,4	418	<b>28—41—1</b>	86,0	10,5	3,5	391
6	75,3	5,8	18,8	446	3	80,2	9,8	10,0	419
8	70,9	5,5	23,6	474	5	75,1	9,2	15,7	447
<b>28—27—1</b>	89,1	7,2	3,7	377	7	70,7	8,6	20,6	475
3	83,0	6,7	10,3	405	<b>28—42—2</b>	82,8	10,3	6,9	406
5	77,6	6,2	16,2	433	4	77,4	9,7	12,9	434
7	72,9	5,9	21,2	461	6	72,7	9,1	18,2	462
<b>28—28—2</b>	85,7	7,1	7,1	392	8	68,6	8,6	22,8	490
4	80,0	6,7	13,3	420	<b>28—43—1</b>	85,5	10,9	3,5	393
6	75,0	6,2	18,8	448	3	79,9	10,2	9,9	421
8	70,6	5,9	23,5	476	5	74,8	9,6	15,6	449
<b>28—29—1</b>	88,6	7,6	3,7	379	7	70,4	9,0	20,5	477
3	82,6	7,1	10,3	407	<b>28—44—2</b>	82,3	10,8	6,9	408
5	77,2	6,7	16,1	435	4	77,1	10,1	12,8	436
7	72,6	6,3	21,1	463	6	72,4	9,5	18,1	464
<b>28—30—2</b>	85,3	7,6	7,1	394	8	68,3	8,9	22,7	492
4	79,6	7,1	13,2	422	<b>28—45—1</b>	85,0	11,4	3,5	395
6	74,6	6,7	18,7	450	3	79,4	10,6	9,9	423
8	70,3	6,3	23,4	478	5	74,5	10,0	15,5	451
<b>28—31—1</b>	88,2	8,1	3,7	381	7	70,1	9,4	20,5	479
3	82,1	7,6	10,3	409	<b>28—46—2</b>	82,0	11,2	6,8	410
5	76,9	7,1	16,0	437	4	76,7	10,5	12,8	438
7	72,2	6,7	21,1	465	6	72,1	9,9	18,0	466
<b>28—32—2</b>	84,8	8,1	7,1	396	8	68,0	9,3	22,7	494
4	79,2	7,5	13,2	424	<b>28—47—1</b>	84,6	11,8	3,5	397
6	74,3	7,1	18,6	452	3	79,1	11,0	9,9	425
8	70,0	6,7	23,3	480	5	74,2	10,4	15,4	453
<b>28—33—1</b>	87,7	8,6	3,6	383	7	69,8	9,8	20,4	481
3	81,7	8,0	10,2	411	<b>28—48—2</b>	81,5	11,6	6,8	412
5	76,5	7,5	15,9	439	4	76,4	10,9	12,7	440
7	72,2	7,1	20,6	467	6	71,8	10,3	17,9	468
<b>28—34—2</b>	84,4	8,5	7,0	398	8	67,7	9,7	22,6	496
4	78,9	8,0	13,1	426	<b>28—49—1</b>	81,2	12,3	3,5	399
6	74,0	7,5	18,5	454	3	78,7	11,5	9,8	427
8	69,7	7,0	23,2	482	5	73,8	10,8	15,4	455
<b>28—35—1</b>	87,3	9,1	3,6	385	7	69,6	10,1	20,3	483
3	81,3	8,5	10,2	413	<b>28—50—2</b>	81,2	12,1	6,7	414
5	76,2	7,9	15,9	441	4	76,0	11,3	12,7	442
7	71,6	7,5	20,9	469	6	71,5	10,6	17,9	470

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
<b>28—50—8</b>	67,5	10,0	22,5	498	<b>29—19—5</b>	79,6	4,3	16,0	437
<b>28—51—1</b>	83,8	12,7	3,5	401	<b>29—20—2</b>	74,8	4,1	21,1	405
3	78,3	11,9	9,8	429	<b>29—21—1</b>	87,8	5,0	7,1	396
5	73,5	11,1	15,3	457		82,1	4,7	13,2	424
7	69,3	10,5	20,2	485		77,0	4,4	18,6	452
<b>28—52—2</b>	80,8	12,5	6,7	416		72,5	4,2	23,3	480
4	75,7	11,7	12,6	444	<b>29—22—2</b>	90,9	5,5	3,6	383
6	71,2	11,0	17,8	472		84,7	5,1	10,2	411
8	67,2	10,4	22,4	500		79,3	4,8	15,9	439
<b>28—53—1</b>	83,4	13,1	3,5	403		74,5	4,5	21,0	467
3	78,0	12,3	9,7	431	<b>29—23—1</b>	87,4	5,5	7,0	398
5	73,2	11,5	15,2	459		81,7	5,2	13,1	426
7	68,9	10,9	20,1	487		76,7	4,8	18,5	454
<b>28—54—2</b>	80,4	12,9	6,7	418		72,2	4,6	23,2	482
4	75,3	12,1	12,5	446	<b>29—24—2</b>	90,4	6,0	3,6	385
6	70,9	11,4	17,7	474		84,2	5,6	10,2	413
8	66,9	10,7	22,3	502		78,9	5,2	15,9	441
<b>28—55—1</b>	82,9	13,6	3,5	405		74,2	4,9	20,9	469
3	77,6	12,7	9,7	433	<b>29—25—2</b>	87,0	6,0	7,0	400
5	72,9	11,9	15,2	461		81,3	5,6	13,1	428
7	68,7	11,2	20,0	489		76,3	5,3	18,4	456
<b>28—56—2</b>	80,0	13,3	6,7	420		71,9	5,0	23,1	484
4	77,0	12,5	12,5	448	<b>29—25—1</b>	89,9	6,5	3,6	387
6	70,6	11,8	17,6	476		83,9	6,0	10,1	415
8	66,7	11,1	22,2	504		78,6	5,6	15,8	443
<b>28—57—1</b>	82,6	14,0	3,4	407		73,9	5,3	20,8	471
3	77,2	13,1	9,7	435	<b>29—26—2</b>	86,5	6,5	7,0	402
5	72,6	12,3	15,1	463		80,9	6,0	13,0	430
7	68,4	11,6	20,0	491		76,0	5,7	18,3	458
<b>28—58—2</b>	79,6	13,7	6,6	422		71,6	5,3	23,0	486
4	74,6	12,9	12,4	450	<b>29—27—1</b>	89,4	6,9	3,6	389
6	70,3	12,1	17,6	478		83,4	6,5	10,1	417
8	66,4	11,5	22,1	506		78,2	6,1	15,7	445
<b>28—59—1</b>	82,2	14,4	3,4	409		73,6	5,7	20,7	473
3	76,9	13,5	9,6	437	<b>29—28—2</b>	86,1	6,9	6,9	404
5	72,2	12,7	15,0	465		80,6	6,5	12,9	432
7	68,2	11,9	19,9	493		75,7	6,1	18,2	460
<b>28—60—2</b>	79,2	14,1	6,6	424		71,3	5,7	22,9	488
4	74,3	13,3	12,4	452	<b>29—29—1</b>	89,0	7,4	3,6	391
6	70,0	12,5	17,5	480		83,0	6,9	10,0	419
8	66,1	11,8	22,1	508		77,8	6,5	15,7	447
<b>29—15—1</b>	92,3	4,0	3,7	377		73,2	6,1	20,6	475
3	85,9	3,7	10,4	405	<b>29—30—2</b>	85,7	7,4	6,9	406
5	80,4	3,4	16,2	433		80,2	6,9	12,9	434
7	75,5	3,2	21,2	461		75,3	6,5	18,2	462
<b>29—16—2</b>	88,8	4,1	7,1	392		71,0	6,1	22,8	490
4	82,9	3,8	13,3	420	<b>29—31—1</b>	88,5	7,9	3,5	393
6	77,7	3,6	18,7	448		82,6	7,4	9,9	421
8	73,1	3,4	23,5	476		77,5	6,9	15,6	449
<b>29—17—1</b>	91,8	4,5	3,7	379		72,9	6,5	20,5	477
3	85,5	4,1	10,3	407	<b>29—32—2</b>	85,3	7,8	6,9	408
5	80,0	3,9	16,1	435		79,8	7,3	12,8	436
7	75,2	3,7	21,1	463		75,0	6,9	18,1	464
<b>29—18—2</b>	88,3	4,6	7,1	394		70,7	6,5	22,8	492
4	82,4	4,3	13,3	422	<b>29—33—1</b>	88,1	8,4	3,5	395
6	77,3	4,0	18,7	450		82,3	7,8	9,9	423
8	72,8	3,8	23,1	478		77,2	7,3	15,5	451
<b>29—19—1</b>	91,3	5,0	3,7	381		72,6	6,9	20,5	479
3	85,1	4,6	10,3	409	<b>29—34—2</b>	84,9	8,3	6,8	410

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
29—34—4	79,4	7,8	12,8	438	29—49—1	84,7	11,9	3,4	411
6	74,7	7,3	18,0	466	3	79,3	11,1	9,6	439
8	70,4	6,9	22,7	491	5	74,5	10,5	15,0	467
29—35—1	87,7	8,8	3,5	397	7	70,3	9,9	19,8	495
3	81,9	8,2	9,9	425	29—50—2	81,7	11,7	6,6	426
5	76,8	7,7	15,4	453	4	76,7	11,0	12,3	454
7	72,3	7,3	20,4	481	6	72,2	10,4	17,4	482
29—36—2	84,5	8,7	6,8	412	8	68,2	9,8	22,0	510
4	79,1	8,2	12,7	440	29—51—1	84,2	12,3	3,4	413
6	74,4	7,7	17,9	468	3	78,9	11,6	9,5	441
8	70,1	7,3	22,6	496	5	74,2	10,9	14,9	469
29—37—1	87,2	9,3	3,5	399	7	70,0	10,3	19,7	497
3	81,5	8,7	9,8	427	29—52—2	81,3	12,1	6,5	428
5	76,5	8,1	15,4	455	4	76,3	11,4	12,3	456
7	72,0	7,7	20,3	483	6	71,9	10,7	17,3	484
29—38—2	84,0	9,2	6,8	414	8	68,0	10,1	21,9	512
4	78,7	8,6	12,7	442	29—53—1	83,8	12,8	3,4	415
6	74,0	8,1	17,9	470	3	78,6	11,9	9,5	443
8	69,9	7,6	22,5	498	5	74,0	11,2	14,8	471
29—39—1	86,8	9,7	3,5	401	7	69,7	10,6	19,6	499
3	81,1	9,1	9,8	429	29—54—2	80,9	12,6	6,5	430
5	76,1	8,5	15,3	457	4	76,0	11,8	12,2	458
7	71,7	8,0	20,2	485	6	71,6	11,1	17,3	486
29—40—2	83,7	9,6	6,7	416	8	67,7	10,5	21,8	514
4	78,4	9,0	12,6	444	29—55—1	83,4	13,2	3,4	417
6	73,7	8,5	17,8	472	3	78,2	12,3	9,4	445
8	69,6	8,0	22,4	500	5	73,6	11,6	14,8	473
29—41—1	86,3	10,2	3,5	403	7	69,4	11,0	19,6	501
3	80,7	9,5	9,7	431	29—56—2	80,5	13,0	6,5	432
5	75,8	8,9	15,2	459	4	75,6	12,2	12,2	460
7	71,4	8,4	20,1	487	6	71,3	11,5	17,2	488
29—42—2	83,2	10,0	6,7	418	8	67,4	10,8	21,7	516
4	78,0	9,4	12,5	446	29—57—1	83,0	13,6	3,3	419
6	73,4	8,9	17,7	474	3	77,8	12,7	9,4	447
8	69,3	8,4	22,3	502	5	73,2	12,0	14,7	475
29—43—1	85,9	10,6	3,5	405	7	69,2	11,3	19,5	503
3	80,4	9,9	9,7	433	29—58—2	80,2	13,4	6,4	434
5	75,5	9,3	15,2	461	4	75,3	12,5	12,1	462
7	71,2	8,8	20,0	489	6	71,1	11,8	17,1	490
29—44—2	82,8	10,5	6,7	420	8	67,2	11,2	21,6	518
4	77,7	9,8	12,5	448	29—59—1	82,6	14,0	3,3	421
6	73,1	9,2	17,6	476	3	77,5	13,1	9,4	449
8	69,0	8,7	22,2	504	5	72,9	12,4	14,7	477
29—45—1	85,5	11,1	3,4	407	7	68,9	11,7	19,4	505
3	80,0	10,3	9,7	435	29—60—2	79,8	13,8	6,4	436
5	75,2	9,7	15,1	463	4	75,0	12,9	12,1	464
7	70,9	9,1	20,0	491	6	70,6	12,2	17,1	492
29—46—2	82,4	10,9	6,6	422	8	66,9	11,5	21,5	520
4	77,3	10,2	12,4	450	29—61—1	82,3	14,4	3,3	423
6	72,8	9,6	17,6	478	3	77,1	13,5	9,3	451
8	68,8	9,1	22,1	506	5	72,7	12,7	14,6	479
29—47—1	85,1	11,5	3,4	409	7	68,6	12,0	19,3	507
3	79,6	10,8	9,6	437	29—62—2	79,4	14,1	6,4	438
5	74,8	10,1	15,0	465	4	74,7	13,3	12,0	466
7	70,6	9,5	19,9	493	6	70,4	12,5	17,0	494
29—48—2	82,1	11,3	6,6	424	8	66,7	11,9	21,4	522
4	77,0	10,6	12,4	452	30—18—2	89,1	4,0	6,9	404
6	72,5	10,0	17,5	480	4	83,3	3,7	13,0	432
8	68,5	9,4	22,0	508	6	78,3	3,5	18,2	460

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
30—16—8	73.8	3.3	22.9	488	30—31—5	78.1	6.7	15.2	461
30—17—1	92.1	4.3	3.6	391	30—32—2	73.6	6.3	20.0	489
3	85.9	4.0	10.0	419	30—33—1	85.7	7.0	6.7	420
5	80.5	3.8	15.7	447	30—34—2	80.4	7.1	12.5	448
7	75.8	3.6	20.6	475	30—35—1	75.6	6.7	17.6	476
30—18—2	88.7	4.4	6.9	406	30—36—2	71.4	6.3	22.2	504
4	82.9	4.1	12.9	434	30—37—1	88.4	8.1	3.4	497
6	77.9	3.9	18.2	462	30—38—2	82.7	7.6	9.7	435
8	73.5	3.7	22.8	490	30—39—1	77.8	7.1	15.1	463
30—19—1	91.6	4.8	3.6	303	30—40—2	73.3	6.7	20.0	491
3	85.5	4.5	10.0	421	30—41—1	75.3	7.1	17.6	478
5	80.2	4.2	15.6	449	30—42—2	71.1	6.7	22.1	506
7	75.5	4.0	20.5	477	30—43—1	80.0	7.6	12.4	450
30—20—2	88.2	4.9	6.9	408	30—44—2	75.3	7.1	17.6	478
4	82.6	4.6	12.8	436	30—45—1	77.4	7.5	15.0	465
6	77.6	4.3	18.1	464	30—46—2	73.0	7.1	19.9	493
8	73.2	4.1	22.7	492	30—47—1	84.9	8.5	6.6	424
30—21—1	91.1	5.3	3.5	305	30—48—2	79.6	8.0	12.4	452
3	85.1	5.0	9.9	423	30—49—1	75.0	7.5	17.5	480
5	79.8	4.7	15.5	451	30—50—2	70.9	7.1	22.0	508
7	75.2	4.4	20.4	479	30—51—1	87.6	9.0	3.4	411
30—22—2	87.8	5.4	6.8	410	30—52—2	82.0	8.4	9.6	439
4	82.2	5.0	12.8	438	30—53—2	77.1	7.9	15.0	467
6	77.3	4.7	18.0	466	30—54—2	72.7	7.5	19.8	495
8	72.8	4.4	22.7	494	30—55—2	84.5	8.9	6.6	426
30—23—1	90.7	5.8	3.5	307	30—56—2	79.3	8.4	12.3	454
3	84.7	5.4	9.9	425	30—57—2	74.7	7.9	17.4	482
5	79.4	5.1	15.4	453	30—58—2	70.6	7.4	22.0	510
7	74.8	4.8	20.4	481	30—59—1	87.2	9.4	3.4	413
30—24—2	87.4	5.8	6.8	412	30—60—2	81.7	8.8	9.5	441
4	81.8	5.4	12.7	440	30—61—2	76.7	8.3	14.9	469
6	76.9	5.1	17.9	468	30—62—2	76.4	8.8	14.8	471
8	72.6	4.8	22.6	496	30—63—2	72.4	7.8	19.7	497
30—25—1	90.2	6.3	3.5	309	30—64—2	84.1	9.3	6.5	428
3	84.3	5.8	9.8	427	30—65—2	78.9	8.8	12.3	456
5	79.1	5.5	15.4	455	30—66—2	74.4	8.3	17.3	484
7	74.5	5.2	20.3	483	30—67—2	70.3	7.2	21.9	512
30—26—2	87.0	6.3	6.6	414	30—68—2	86.7	9.9	3.4	415
4	81.4	5.9	12.7	442	30—69—2	81.3	9.2	9.5	443
6	76.6	5.5	17.9	470	30—70—2	76.4	8.8	14.8	471
8	72.3	5.2	22.5	498	30—71—2	72.1	8.2	19.6	499
30—27—1	89.8	6.7	3.5	401	30—72—2	83.7	9.8	6.5	430
3	83.9	6.3	9.8	429	30—73—2	78.6	9.2	12.2	458
5	78.8	5.9	15.3	457	30—74—2	74.1	8.6	17.3	486
7	74.2	5.6	20.2	485	30—75—2	70.0	8.2	21.8	514
30—28—2	86.5	6.7	6.7	416	30—76—2	86.3	10.3	3.4	417
4	81.1	6.3	12.6	444	30—77—2	80.9	9.7	9.4	445
6	76.3	5.9	17.8	472	30—78—2	76.1	9.1	14.8	473
8	72.0	5.6	22.4	500	30—79—2	71.8	8.6	19.6	501
30—29—1	89.3	7.2	3.5	403	30—80—2	83.3	10.2	6.5	432
3	83.5	6.7	9.7	431	30—81—2	78.3	9.6	12.1	469
5	78.4	6.3	15.2	459	30—82—2	73.8	9.0	17.2	488
7	73.9	6.0	20.1	487	30—83—2	69.8	8.5	21.7	516
30—30—2	86.1	7.2	6.7	418	30—84—2	85.9	10.7	3.3	419
4	80.7	6.7	12.5	446	30—85—2	80.5	10.1	9.4	447
6	76.0	6.3	17.7	474	30—86—2	75.8	9.5	14.7	475
8	71.7	6.0	22.3	502	30—87—2	71.6	8.9	19.5	503
30—31—1	88.9	7.6	3.5	405	30—88—2	82.9	10.6	6.4	434
3	83.2	7.1	9.7	433					

C—H—N	C %	H %	N %	M.G.	C—H—N	C %	H %	N %	M.G.
30—46—4	77,9	10,0	12,1	462	30—61—1	82,8	14,0	3,2	435
6	73,5	9,4	17,1	490	3	77,7	13,2	9,1	463
8	69,5	8,9	21,6	518	5	73,3	12,4	14,3	491
30—47—1	85,5	11,2	3,3	421	7	69,4	11,7	18,9	519
3	80,2	10,4	9,4	449	30—62—2	80,0	13,8	6,2	450
5	75,5	9,8	14,7	477	4	75,3	13,0	11,7	478
7	71,3	9,3	19,4	505	6	71,2	12,2	16,6	506
30—48—2	82,6	11,0	6,4	436	8	67,4	11,6	21,0	534
4	77,6	10,3	12,1	464	30—63—1	82,4	14,4	3,2	437
6	73,2	9,7	17,1	492	3	77,4	13,5	9,0	465
8	69,2	9,2	21,5	520	5	73,0	12,8	14,2	493
30—49—1	85,1	11,6	3,3	423	7	69,1	12,1	18,8	521
3	79,8	10,9	9,3	451	31—22—4	82,6	4,9	12,4	450
5	75,2	10,2	14,6	479	31—23—3	85,1	5,3	9,6	437
7	71,0	9,7	19,3	507	31—24—2	87,7	5,7	6,6	424
30—50—2	82,2	11,4	6,4	438	31—25—3	84,7	5,7	9,6	439
4	77,3	10,7	12,0	466	31—26—2	86,4	7,6	5,9	472
6	72,9	10,1	17,0	494	4	82,0	5,7	12,3	454
8	69,0	9,6	21,4	522	31—27—3	84,4	6,1	9,5	441
30—51—1	84,7	12,0	3,3	425	7	74,8	5,4	19,7	497
3	79,5	11,2	9,3	453	31—29—3	84,0	6,5	9,5	443
5	74,8	10,6	14,6	481	31—30—2	86,5	7,0	6,5	430
7	70,7	10,0	19,2	509	31—34—2	85,7	7,8	6,4	434
30—52—2	81,8	11,8	6,4	440	31—37—3	82,5	8,2	9,3	451
4	76,9	11,1	12,0	468	31—41—3	81,8	9,0	9,2	455
6	72,6	10,5	16,9	496	31—43—3	81,4	9,4	9,2	457
8	68,7	9,9	21,4	524	31—61—1	83,2	13,6	3,1	447
30—53—1	84,3	12,4	3,3	427	32—20—4	83,5	4,3	12,2	460
3	79,1	11,6	9,2	455	32—21—3	85,9	4,7	9,4	447
5	74,5	11,0	14,5	483	32—22—4	83,1	4,8	12,1	462
7	70,4	10,4	19,2	511	32—23—5	80,5	4,8	14,7	477
30—54—2	81,4	12,2	6,3	442	32—24—6	78,1	4,9	17,0	492
4	76,6	11,5	11,9	470	32—25—3	85,1	5,5	9,3	451
6	72,3	10,8	16,9	498	32—26—4	82,4	5,6	12,0	466
8	68,4	10,3	21,3	526	32—27—5	79,8	5,6	14,6	481
30—55—1	83,9	12,8	3,3	429	7	75,4	5,3	19,3	509
3	78,8	12,0	9,2	457	32—28—2	87,3	6,3	6,3	440
5	74,2	11,3	14,4	485	6	77,4	5,6	16,9	496
7	70,2	10,7	19,1	513	32—29—5	79,5	6,0	14,5	483
30—56—2	81,1	12,6	6,3	444	32—34—4	81,0	7,2	11,8	474
4	76,3	11,8	11,8	472	32—36—6	76,2	7,1	16,7	504
6	72,0	11,2	16,8	500	32—40—4	80,0	8,3	11,7	480
8	68,2	10,6	21,2	528	32—42—4	79,7	8,7	11,6	482
30—57—1	83,5	13,2	3,2	431	32—49—1	85,9	11,0	3,1	447
3	78,4	12,4	9,2	459	32—52—4	78,0	10,6	11,4	492
5	73,9	11,7	14,4	487	33—22—2	88,8	4,9	6,3	446
7	69,9	11,1	19,0	515	33—23—5	81,0	4,7	14,3	489
30—58—2	80,7	13,0	6,3	446	33—24—2	88,4	5,4	6,2	448
4	76,0	12,2	11,8	474	6	78,5	4,8	16,7	504
6	71,7	11,6	16,7	502	33—28—4	82,5	5,8	11,7	480
8	67,9	10,9	21,1	530	33—29—5	80,0	5,8	14,1	495
30—59—1	83,2	13,6	3,2	433	33—30—6	77,6	5,9	16,5	510
3	78,1	12,8	9,1	461	8	73,6	5,6	20,8	538
5	73,6	12,1	14,3	489	33—33—3	84,1	7,0	8,9	471
7	69,6	11,4	19,0	517	33—35—3	83,7	7,4	8,9	473
30—60—2	80,4	13,4	6,2	448	33—39—3	83,0	8,2	8,8	477
4	75,6	12,6	11,8	476	33—51—1	85,8	11,1	3,0	461
6	71,4	11,9	16,7	504	34—22—4	83,9	4,5	11,5	486
8	67,7	11,3	21,0	532	34—24—2	88,7	5,2	6,1	460

C-H-N	C %	H %	N %	M.G.	C-H-N	C %	H %	N %	M.G.
34-24-4	83,6	4,9	11,5	488	36-51-1	86,9	10,3	2,8	497
34-26-2	88,3	5,6	6,1	462	37-27-5	82,1	5,0	12,9	541
4	83,3	5,3	11,4	490	37-29-3	86,2	5,6	8,2	515
6	78,8	5,0	16,2	518	37-30-2	88,4	6,0	5,6	502
34-28-2	87,9	6,0	6,0	464	37-38-2	87,1	7,4	5,5	510
4	82,9	5,7	11,4	492	38-24-2	89,7	4,7	5,5	508
6	78,5	5,4	16,1	520	38-26-4	84,8	4,8	10,4	538
34-32-2	87,2	6,8	6,0	468	38-30-8	76,2	5,0	18,7	598
4	82,2	6,4	11,3	496	38-33-3	85,9	6,2	7,9	531
6	77,8	6,1	16,0	524	38-41-3	84,6	7,6	7,8	539
34-34-2	86,8	7,2	6,0	470	38-52-4	80,8	9,2	9,9	564
34-35-3	84,1	7,2	8,7	485	38-71-1	84,3	13,1	2,6	541
34-36-2	86,4	7,6	5,9	472	39-30-2	69,0	5,7	5,3	526
34-40-4	80,9	7,9	11,1	504	39-34-6	80,4	5,2	14,4	582
34-42-4	80,6	8,3	11,1	506	39-35-11	71,2	5,3	23,4	657
34-43-5	78,3	8,3	13,4	521	40-44-6	79,0	7,2	13,8	608
34-52-2	83,6	10,6	5,7	488	41-30-2	89,4	5,4	5,1	550
35-24-4	84,0	4,8	11,2	500	42-32-6	81,3	5,2	13,5	620
35-25-1	91,5	5,4	3,0	459	42-33-5	83,0	5,4	11,5	607
35-26-2	88,6	5,5	5,9	474	42-36-4	84,6	6,0	9,4	596
35-30-2	87,9	6,3	5,8	478	42-51-5	80,6	8,2	11,2	625
35-34-4	82,3	6,7	11,0	510	43-30-2	89,9	5,2	4,9	574
35-35-5	80,0	6,7	13,3	525	46-34-6	82,4	5,1	12,5	670
35-41-1	88,4	8,6	2,9	475	37-38-4	86,0	5,5	8,5	656
35-42-2	85,7	8,6	5,7	490	48-38-6	82,5	5,4	12,0	698
36-27-3	86,2	5,4	8,4	501	48-99-1	83,6	14,4	2,0	689
5	81,7	5,1	13,2	529	54-51-5	84,3	6,6	9,1	769
36-28-6	79,4	5,2	15,4	544	60-123-1	84,0	14,3	1,6	857
36-29-5	81,3	5,5	13,2	531	61-74-6	82,3	8,3	9,4	890
36-35-5	80,4	6,5	13,0	537					
36-36-6	78,3	6,5	15,2	552					

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
1—1—1—1	27.9	2.3	37.2	32.6	43	1—5—3—3	11.2	4.7	44.8	39.3	107
2—1	20.3	1.7	54.2	23.7	59	4—3	9.7	4.1	52.0	34.1	123
3	13.8	1.1	36.8	48.3	87	1—6—1—2	19.4	9.7	25.8	45.1	62
3—1	16.0	1.3	64.0	18.7	75	4	13.3	6.6	17.8	62.3	90
3	11.6	1.0	46.6	40.8	103	2—2	15.4	7.7	41.0	35.9	78
4—1	13.2	1.1	70.3	15.4	91	4	11.3	5.6	30.2	52.8	106
3	10.1	0.8	53.8	35.3	119	1—7—1—3	15.6	9.1	20.8	54.5	77
5—3	8.9	0.7	59.3	31.1	135	2—1—1—1	43.6	1.8	29.1	25.5	55
6—3	7.9	0.7	63.6	27.8	151	3	28.9	1.2	19.3	50.6	83
7—3	7.2	0.6	67.1	25.1	167	2—1	33.8	1.4	45.1	19.7	71
1—2—1—2	20.7	3.4	27.6	48.3	58	3	24.2	1.0	32.3	42.4	99
4	14.0	2.3	18.6	65.1	86	3—1	27.6	1.1	55.1	16.1	87
6	10.5	1.8	14.0	73.7	114	4—1	23.3	1.0	62.1	13.6	103
2—2	16.2	2.7	43.2	37.8	74	3	18.3	0.8	48.8	32.1	131
3—2	13.3	2.2	53.3	31.1	90	5—3	16.3	0.7	54.4	28.6	147
4	10.2	1.7	40.7	47.4	118	6—3	14.7	0.6	58.9	25.8	163
4—2	11.3	1.9	60.4	26.4	106	7—3	13.4	0.6	62.6	23.4	179
4	8.9	1.5	47.8	41.8	134	2—2—1—2	34.3	2.8	22.9	40.0	70
5—2	9.8	1.6	65.6	23.0	122	10	13.2	1.1	8.8	76.9	182
4	8.0	1.3	53.3	37.3	150	2—2	27.9	2.3	37.2	32.6	86
6—4	7.2	1.2	57.8	33.7	166	6	16.9	1.4	22.5	59.1	142
1—3—1—1	26.7	6.7	35.5	31.1	45	3—2	23.5	2.0	47.1	27.4	102
3	16.4	4.1	21.9	57.5	73	4	18.5	1.5	36.9	43.1	130
2—1	19.7	4.9	52.4	23.0	61	4—2	20.3	1.7	54.2	23.7	118
3	13.5	3.4	35.9	47.2	89	4	16.4	1.4	43.8	38.4	146
3—1	15.6	3.9	62.3	18.2	77	5—2	17.9	1.5	59.7	20.9	134
3	11.4	2.8	45.7	40.0	105	4	14.8	1.2	49.4	34.6	162
4—3	9.9	2.5	52.9	34.7	121	6—4	13.5	1.1	53.9	31.5	178
5	8.1	2.0	42.9	47.0	149	8—4	11.4	0.9	60.9	26.7	210
5—3	8.7	2.2	58.4	30.7	137	2—3—1—1	42.1	5.2	28.1	24.6	57
1—4—1—2	20.0	6.7	26.7	46.6	60	3	28.2	3.5	18.8	49.4	85
4	13.6	4.5	18.2	63.6	88	7	17.0	2.1	11.3	60.5	141
2—2	15.8	5.2	32.1	36.8	76	2—1	32.9	4.4	43.8	19.2	73
4	11.5	3.8	30.8	53.8	104	3	23.8	3.0	31.7	41.5	101
3—2	13.0	4.3	52.2	30.4	92	5	18.6	2.3	24.8	54.3	129
4	10.0	3.3	40.0	46.7	120	3—1	27.0	3.3	54.0	15.7	89
4—4	8.8	2.9	47.1	41.2	136	3	20.5	2.5	41.0	35.9	117
5—4	7.9	2.6	52.6	36.9	152	4—1	22.9	2.8	61.0	13.3	105
6—4	7.1	2.4	57.1	33.3	168	3	18.0	2.2	48.1	31.6	133
1—5—1—1	25.5	10.6	34.0	29.8	47	5—1	19.8	2.5	66.1	11.6	121
3	16.0	6.6	21.3	66.0	75	3	16.1	2.0	53.7	28.2	149
2—1	19.0	7.9	50.8	22.2	63	6—3	14.5	1.8	58.2	25.5	165
3	13.2	5.5	35.2	46.1	91						

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>2-3-6-5</b>	12,4	1,6	49,7	36,3	193	<b>3-2-4-4</b>	22,8	1,2	40,5	35,5	158
<b>2-4-1-2</b>	33,3	5,5	22,2	38,9	72	<b>5-2</b>	24,6	1,4	54,8	19,2	146
4	24,0	4,0	16,0	56,0	100	4	20,7	1,1	46,0	32,2	174
6	18,7	3,1	12,5	65,6	128	<b>6-2</b>	22,2	1,2	59,3	17,3	162
<b>2-2</b>	27,3	4,5	36,4	31,8	88	4	19,0	1,0	50,5	29,5	190
4	20,7	3,4	27,6	48,3	116	<b>3-3-1-1</b>	52,2	4,3	23,2	20,3	69
<b>3-2</b>	23,1	3,8	46,2	26,9	104	3	37,1	3,1	16,5	43,3	97
4	18,2	3,0	36,4	42,4	132	<b>2-1</b>	42,3	3,5	37,6	16,5	85
<b>4-2</b>	20,6	3,3	53,3	23,3	120	3	31,9	2,6	28,3	47,2	113
4	16,2	2,7	43,2	37,8	148	<b>3-1</b>	35,6	3,0	47,5	13,9	101
<b>5-2</b>	17,7	2,9	58,8	20,6	136	3	27,9	2,3	37,2	32,6	129
4	14,6	2,4	48,8	34,1	164	<b>4-1</b>	30,8	2,5	54,7	12,0	117
<b>6-2</b>	15,8	2,6	63,2	18,4	152	3	24,8	2,1	44,1	29,0	145
4	13,3	2,2	53,3	31,1	180	<b>5-1</b>	27,1	2,2	60,1	10,5	133
<b>2-5-1-1</b>	40,7	8,5	27,1	23,7	59	3	22,4	1,8	49,7	26,1	161
3	27,6	5,7	18,4	48,3	87	<b>6-1</b>	24,2	2,0	64,4	9,4	149
5	20,9	4,3	13,9	60,9	115	3	20,3	1,7	54,2	23,7	177
7	16,8	3,5	11,2	68,5	143	<b>7-3</b>	18,6	1,5	58,0	21,8	193
<b>2-1</b>	32,0	6,7	42,7	18,6	75	<b>3-4-1-2</b>	42,9	4,8	19,0	33,3	84
3	23,3	4,8	31,1	40,8	103	4	32,1	3,6	14,3	50,0	112
<b>3-1</b>	26,3	5,5	52,7	15,4	91	<b>2-2</b>	36,0	4,0	32,0	28,0	100
3	20,2	4,2	40,3	35,3	119	4	28,1	3,1	25,0	43,7	128
5	16,3	3,4	32,7	47,6	147	<b>3-2</b>	31,0	3,4	41,4	24,1	116
<b>4-1</b>	22,5	4,6	59,8	13,1	107	4	25,0	2,8	33,3	38,9	144
3	17,8	3,7	47,4	31,1	135	<b>4-2</b>	27,3	3,0	48,5	21,2	132
<b>2-6-1-2</b>	32,4	8,1	21,6	37,8	74	4	22,5	2,5	40,0	35,0	160
4	23,5	5,9	15,7	54,9	102	<b>5-4</b>	10,5	2,3	45,4	31,8	676
6	18,5	4,6	12,3	64,6	130	<b>6-2</b>	22,0	2,4	58,5	17,1	164
<b>2-2</b>	26,7	6,7	35,5	31,1	90	4	18,7	2,1	50,0	29,2	192
4	20,3	5,1	27,1	47,5	118	<b>3-5-1-1</b>	50,7	7,0	22,5	19,7	71
<b>3-2</b>	22,6	5,6	45,3	26,4	106	3	36,4	5,0	16,2	42,4	99
4	17,9	4,5	35,8	41,8	134	5	28,3	3,9	12,6	55,1	127
<b>4-2</b>	19,7	4,9	52,4	23,0	122	<b>2-1</b>	41,4	5,7	36,8	16,1	87
4	16,0	4,0	42,7	37,3	150	3	31,3	4,3	27,8	36,5	115
<b>2-7-1-1</b>	39,3	11,5	26,2	23,0	61	5	25,2	3,5	22,4	48,9	143
3	27,0	7,8	18,0	47,2	89	<b>3-1</b>	34,9	4,8	46,6	13,6	103
5	20,5	6,0	13,7	59,8	117	3	27,5	3,8	36,6	32,1	131
7	16,6	4,8	11,0	67,6	145	<b>4-1</b>	30,2	4,2	53,8	11,8	119
<b>2-1</b>	31,2	9,1	41,5	18,2	77	3	24,5	3,4	43,5	28,6	147
3	22,8	6,6	30,5	40,0	105	<b>5-1</b>	26,6	3,7	59,3	10,4	135
<b>2-8-1-2</b>	31,6	10,5	21,1	36,8	76	3	22,1	3,0	49,1	25,8	163
10	12,7	4,2	8,5	74,5	188	<b>6-3</b>	20,1	2,8	53,6	23,5	179
<b>2-2</b>	26,1	8,7	34,8	30,4	92	<b>7-3</b>	18,5	2,6	57,4	21,3	195
3-2	22,2	7,4	44,4	25,9	108	<b>8-3</b>	17,0	2,4	60,7	19,9	211
<b>3-1-1-1</b>	53,7	1,5	23,9	20,9	67	<b>9-3</b>	15,8	2,2	63,4	18,5	227
3	37,9	1,0	16,8	44,2	95	<b>3-6-1-2</b>	41,9	7,0	18,6	32,5	86
<b>2-1</b>	43,4	1,2	38,6	16,8	83	4	31,6	5,2	14,0	49,1	114
3	32,4	0,9	28,8	37,8	111	<b>2-2</b>	35,3	5,9	31,4	27,4	102
5	25,9	0,7	23,0	50,4	139	4	27,7	4,6	24,6	43,1	130
<b>3-1</b>	36,3	1,0	48,5	14,1	99	<b>3-2</b>	30,5	5,1	40,7	23,7	118
3	28,3	0,8	37,8	33,1	127	4	24,7	4,1	32,9	38,3	146
<b>3-2-1-2</b>	43,9	2,4	19,5	34,2	82	6	20,7	3,4	27,6	48,3	174
4	32,7	1,8	14,5	50,9	110	<b>4-2</b>	26,8	4,5	47,8	20,9	134
<b>2-2</b>	36,7	2,0	32,7	28,6	98	4	22,2	3,7	39,5	34,6	162
4	28,6	1,6	25,4	44,4	126	<b>5-2</b>	24,0	4,0	53,3	18,7	150
6	23,4	1,3	20,8	54,5	154	4	20,2	3,4	44,9	31,5	178
<b>3-2</b>	31,6	1,7	42,1	24,6	114	<b>6-2</b>	21,7	3,6	57,8	16,9	166
4	25,3	1,4	33,8	39,4	142	4	18,5	3,1	49,5	28,9	194
<b>4-2</b>	27,7	1,5	49,2	21,6	130	<b>3-7-1-1</b>	49,3	9,6	21,9	19,2	73

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
3—7—1—3	35.6	6.9	15.8	41.6	101	4—3—5—1	33.1	2.1	55.2	9.6	145
2—1	40.4	7.8	36.0	15.7	89	3	27.7	1.7	46.2	24.3	173
3	30.8	6.0	27.3	35.9	117	4—4—1—2	50.0	4.2	16.6	20.2	96
3—1	34.3	6.7	45.7	13.3	105	4	38.7	3.2	12.9	45.2	124
3	27.1	5.2	36.1	31.6	133	2—2	42.9	3.5	28.6	25.0	112
4—1	29.7	5.8	52.9	11.6	121	4	34.3	2.8	22.9	40.0	140
3	24.2	4.7	42.9	28.2	149	6	28.6	2.4	19.0	50.0	168
5—1	26.3	5.1	58.4	10.2	137	3—2	37.5	3.1	37.5	21.9	128
3	21.8	4.2	48.5	25.4	165	4	30.8	2.5	30.8	35.9	156
3—8—1—2	40.9	9.1	18.2	31.8	88	4—2	33.3	2.8	44.4	19.4	144
4	31.0	6.9	13.8	48.3	116	4	27.9	2.3	37.2	32.6	172
2—2	34.6	7.7	30.8	26.9	104	6	24.0	2.0	32.0	42.0	200
4	27.3	6.1	24.2	42.4	132	5—2	30.0	2.5	50.0	17.5	160
6	22.5	5.0	20.0	52.5	160	4	25.5	2.1	42.5	29.8	188
3—2	30.0	6.7	40.0	23.3	120	6—2	27.3	2.3	54.5	15.9	176
4	24.3	5.4	32.4	37.8	148	4	23.5	2.0	47.1	27.4	204
4—2	26.5	5.9	47.0	20.6	136	6	20.7	1.7	41.4	36.2	232
4	21.9	4.9	39.1	34.1	164	7—2	25.0	2.1	58.3	14.6	192
3—9—1—1	48.0	12.0	21.3	18.7	75	4	21.8	1.8	50.9	25.5	220
3	35.0	8.7	15.5	40.8	103	8—2	23.1	1.9	61.5	13.5	208
2—1	39.5	9.9	35.2	15.4	91	4	20.3	1.7	54.2	23.7	236
3	30.2	7.5	26.9	35.3	119	9—2	21.4	1.8	64.3	12.5	224
3—1	33.6	8.4	44.8	13.1	107	4	19.0	1.6	57.2	22.2	252
3	26.7	6.7	35.5	31.1	135	10—2	20.0	1.7	66.7	11.6	240
3—10—1—2	40.0	11.1	17.8	31.1	90	4—5—1—1	57.8	6.0	19.3	16.9	83
4	30.5	8.5	13.5	47.5	118	3	43.2	4.5	14.4	37.8	111
3—11—2—1	38.7	11.8	34.4	15.1	93	5	34.5	3.6	11.5	50.4	139
3—12—1—2	69.1	13.0	17.4	30.4	92	2—1	48.5	5.0	32.3	14.1	99
4—1—1—1	60.8	1.2	20.3	17.7	79	3	37.8	3.9	25.2	33.1	127
3	44.9	0.9	14.9	39.3	107	5	31.0	3.2	20.6	45.2	155
2—1	50.5	1.0	33.7	14.7	95	3—1	41.7	4.3	41.7	12.2	115
3	39.0	0.8	26.0	34.1	123	3	33.5	3.5	33.6	29.4	143
3—1	43.2	0.9	43.2	12.6	111	5	28.1	2.9	28.1	40.9	171
3	34.5	0.7	34.5	30.2	139	4—1	36.6	3.8	48.8	10.7	131
4—1	37.8	0.8	50.4	11.0	127	3	30.2	3.1	40.2	26.4	159
3	31.0	0.6	41.3	27.1	155	5	25.7	2.7	34.2	37.4	187
5—3	28.1	0.6	46.8	24.5	171	5—1	32.6	3.4	54.4	9.5	147
6—3	25.7	0.5	51.3	22.5	187	3	27.4	2.8	45.7	24.0	175
7—3	23.6	0.5	55.2	20.7	203	5—5	23.6	2.5	39.4	34.5	203
4—2—1—2	51.1	2.1	17.0	29.8	94	6—3	25.1	2.6	50.3	22.0	191
2—2	43.6	1.8	29.1	25.5	110	5	21.9	2.3	43.8	32.0	219
4	34.8	1.4	23.2	40.6	138	7—3	23.2	2.4	54.1	20.3	207
6	28.9	1.2	19.3	50.6	166	8—5	19.1	2.0	51.0	27.9	251
3—2	38.1	1.6	38.1	22.2	126	4—6—1—2	49.0	6.1	16.3	28.6	98
4	31.2	1.3	31.2	36.3	154	4	38.1	4.7	12.7	44.4	126
4—2	33.8	1.4	45.0	16.9	142	6	31.2	3.9	10.4	54.5	154
4	28.2	1.2	37.6	32.9	170	2—2	42.1	5.2	28.1	24.6	114
5—2	30.4	1.2	50.6	17.7	158	4	33.8	4.2	22.5	39.4	142
4	25.8	1.1	43.0	30.1	186	6	28.2	3.5	18.8	49.4	170
6—4	23.7	1.0	47.5	27.7	202	3—2	36.9	4.6	36.9	21.6	130
4—3—1—1	59.3	3.7	19.7	17.3	81	4	30.4	3.8	30.4	35.4	158
3	52.7	3.3	17.6	26.4	109	6	25.8	3.2	25.8	45.2	186
2—1	49.5	3.1	33.0	14.4	97	4—2	32.9	4.1	43.8	19.2	146
3	38.4	2.4	25.6	33.6	125	4	27.6	3.4	36.8	32.2	174
5	31.4	1.9	20.9	45.8	153	5—2	29.6	3.7	49.4	17.3	162
3—1	42.5	2.6	42.5	12.4	113	4	25.3	3.1	42.1	29.5	190
3	34.0	2.1	34.0	29.8	141	6—2	27.0	3.4	53.9	15.7	178
4—1	37.2	2.3	49.6	10.9	129	4	23.3	2.9	46.6	27.2	206
3	30.6	1.9	40.8	26.7	157	7—2	24.7	3.1	57.7	14.5	194

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
4-6-7-4	21,6	2,7	50,4	25,2	222	4-9-5-1	31,8	5,9	53,0	9,3	151
8-2	22,9	2,8	61,0	13,3	210	3	26,8	5,0	44,7	23,5	179
4	20,2	2,5	53,8	23,5	238	5	23,2	4,3	38,6	33,8	207
9-2	21,2	2,6	63,7	12,4	226	6-1	28,7	5,4	57,5	8,4	167
4	18,9	2,4	56,7	22,0	254	3	24,6	4,6	49,2	21,5	195
10-2	19,8	2,5	66,1	11,6	242	5	21,5	4,0	43,1	31,4	223
4	17,8	2,2	59,3	20,7	270	7-3	22,7	4,3	53,1	19,9	211
11-2	18,6	2,3	68,2	10,9	258	5	20,1	3,8	46,8	20,3	239
12-4	15,9	2,0	63,6	18,5	302	8-3	21,1	3,9	56,4	18,5	227
4-7-1-1	56,4	8,2	18,8	16,5	85	5	18,8	3,5	50,2	27,5	205
3	42,5	6,2	14,1	37,2	113	4-10-1-2	47,1	9,8	15,7	27,4	102
5	34,1	4,9	11,3	49,6	141	4	36,9	7,7	12,3	43,1	130
2-1	47,5	6,9	31,7	13,8	101	6	30,4	6,3	10,1	53,2	158
3	37,2	5,4	24,8	32,6	129	2-2	40,7	8,5	27,1	23,7	118
3-1	41,0	6,0	41,0	12,0	117	4	32,9	6,8	21,9	38,4	146
3	33,1	4,8	33,1	29,0	145	8	23,8	5,0	15,8	55,4	202
5	27,7	4,0	27,7	40,5	173	3-2	35,8	7,4	35,8	20,9	134
4-1	36,1	5,2	48,1	10,5	133	4	29,6	6,2	29,6	34,6	162
3	29,8	4,3	39,5	26,1	161	4-2	32,0	6,7	42,7	18,6	150
5	25,4	3,7	33,9	37,0	189	4	27,0	5,6	36,0	31,4	178
5-1	32,2	4,7	53,7	9,4	149	5-2	28,9	6,0	48,2	16,9	166
3	27,1	3,9	45,2	23,7	177	4	24,7	5,1	41,2	28,9	194
6-1	29,1	4,2	58,2	8,5	165	6-2	26,3	5,5	52,7	15,4	182
3	24,9	3,6	49,7	21,8	193	4	22,9	4,7	45,7	26,7	210
7-3	23,0	3,3	53,6	20,1	209	4-11-1-1	54,0	12,3	18,0	15,7	89
8-1	24,4	3,5	65,0	7,1	197	3	41,0	9,4	13,7	35,9	117
3	21,3	3,1	56,9	18,7	225	5	33,1	7,6	11,0	48,3	145
4-8-1-2	48,0	8,0	16,0	28,0	100	2-1	45,7	10,5	30,5	13,3	105
4	37,5	6,2	12,5	43,7	128	3	36,1	8,3	24,0	31,6	133
2-2	41,4	6,9	27,6	24,1	116	5	29,8	6,8	19,9	43,5	161
4	33,3	5,5	22,2	38,9	144	3-1	39,7	9,1	39,7	11,5	121
6	27,9	4,6	18,6	48,9	172	3	32,2	7,4	32,2	28,2	149
3-2	36,4	6,0	36,4	21,2	132	4-1	35,0	8,0	46,7	10,2	137
4	30,0	5,0	30,0	35,0	160	3	29,1	6,6	38,8	25,4	165
4-2	32,4	5,4	43,2	18,9	148	5-3	26,5	6,1	44,2	23,2	181
4	27,3	4,5	36,4	31,8	176	6-3	24,4	5,6	48,7	21,3	197
6	23,5	3,9	31,4	41,2	204	4-12-1-2	46,2	11,5	15,4	26,9	104
8	20,7	3,4	27,6	48,3	232	4	36,4	9,1	12,1	42,4	132
5-2	29,3	4,9	48,8	17,0	164	2-2	40,0	10,0	26,7	23,3	120
4	25,0	4,1	41,7	29,2	192	4	32,4	8,1	21,6	37,8	148
6-2	26,7	4,4	53,3	15,6	180	3-2	35,3	8,8	35,3	20,6	136
4	23,1	3,8	46,2	26,9	206	4	29,3	7,3	29,3	34,1	164
7-2	24,5	4,1	57,1	14,3	196	4-2	31,5	7,9	42,1	18,4	152
4	21,4	3,6	50,0	15,0	224	4	26,7	6,7	35,5	31,1	180
6	19,0	3,2	44,4	33,3	252	6	23,1	5,8	30,7	40,4	208
8-2	22,6	3,8	60,4	13,2	212	4-13-1-1	52,7	14,3	17,6	15,4	91
4	20,0	3,3	53,3	23,3	240	3	40,3	10,9	13,4	35,3	119
6	17,9	3,9	57,7	31,3	268	2-1	44,9	12,1	29,9	13,1	107
4-9-1-1	55,2	10,3	18,4	16,1	87	3	35,5	9,6	23,7	31,1	135
3	41,7	7,8	13,9	36,5	115	5-1-1-1	65,9	1,1	17,6	15,4	91
2-1	46,6	8,7	31,1	13,6	103	6-5	26,4	0,4	42,3	30,8	227
3	36,7	6,9	24,4	32,0	131	5-2-1-2	56,6	1,9	15,1	26,4	106
5	30,2	5,7	20,1	44,0	159	2-2	49,2	1,6	26,2	23,0	122
7	25,7	4,8	17,1	52,4	187	4	40,0	1,3	21,3	37,3	150
3-1	40,3	7,5	40,3	11,8	119	3-2	43,5	1,4	34,8	20,3	138
3	32,6	6,1	32,6	28,6	147	4	36,1	1,2	28,9	33,7	166
5	27,4	5,1	27,4	40,0	175	4-2	39,0	1,3	41,6	18,1	154
4-1	35,6	6,6	47,4	10,4	135	4	33,0	1,1	35,1	30,8	182
3	29,4	5,5	39,3	25,8	163	5-2	35,3	1,2	47,0	16,5	170

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>5-2-5-4</b>	30,3	1,0	40,4	28,3	198	<b>5-6-2-6</b>	33,0	3,3	17,6	46,1	182
<b>6-2</b>	32,3	1,1	51,6	15,0	186	<b>3-2</b>	42,2	4,2	33,8	19,7	142
<b>5-3-1-1</b>	64,5	3,2	17,2	15,0	93	<b>4</b>	35,3	3,5	28,2	32,9	170
<b>3</b>	49,6	2,5	13,2	34,7	121	<b>6</b>	30,3	3,0	24,2	42,4	198
<b>2-1</b>	55,1	2,7	29,3	12,8	109	<b>4-2</b>	38,0	3,8	40,5	17,7	158
<b>3</b>	43,8	2,2	23,4	30,6	137	<b>4</b>	32,2	3,2	34,4	30,1	186
<b>3-1</b>	48,0	2,4	38,3	11,2	125	<b>6</b>	28,0	2,8	29,9	39,3	214
<b>3</b>	39,2	1,9	31,4	27,5	153	<b>5-2</b>	34,5	3,4	46,0	16,1	174
<b>4-1</b>	42,6	2,1	45,4	9,9	141	<b>4</b>	29,7	3,0	39,6	27,7	202
<b>3</b>	35,5	1,8	37,9	24,8	169	<b>6</b>	26,1	2,6	34,8	36,5	230
<b>5</b>	30,5	1,5	32,5	35,5	197	<b>8-2</b>	27,0	2,7	57,7	12,6	222
<b>5-1</b>	38,2	1,9	51,0	8,9	157	<b>13-4</b>	18,2	1,8	63,0	17,0	330
<b>3</b>	32,4	1,6	43,2	22,7	185	<b>5-7-1-1</b>	61,9	7,2	16,5	14,4	97
<b>5</b>	28,2	1,4	37,6	32,8	213	<b>3</b>	48,0	5,6	12,8	33,6	125
<b>6-1</b>	34,7	1,7	55,5	8,1	173	<b>5</b>	39,2	4,6	10,4	45,8	153
<b>3</b>	29,9	1,5	47,7	20,9	201	<b>2-1</b>	53,1	6,2	28,3	12,4	113
<b>5</b>	26,2	1,3	41,9	30,6	229	<b>3</b>	42,5	4,9	22,7	29,8	141
<b>7-1</b>	31,8	1,6	59,2	7,4	189	<b>5</b>	35,5	4,1	18,9	41,4	169
<b>3</b>	27,6	1,4	51,6	19,4	217	<b>3-1</b>	46,5	5,4	37,2	10,9	129
<b>5</b>	24,5	1,2	45,7	28,6	245	<b>3</b>	38,2	4,5	30,6	26,7	157
<b>5-4-1-2</b>	55,6	3,7	14,8	25,9	108	<b>5</b>	32,4	3,8	25,9	37,8	185
<b>4</b>	44,1	2,9	11,8	41,2	136	<b>4-1</b>	41,4	4,8	44,1	9,7	145
<b>2-2</b>	48,4	3,2	25,2	22,6	124	<b>3</b>	34,7	4,0	37,0	24,3	173
<b>4</b>	39,5	2,6	21,1	36,8	152	<b>5</b>	29,9	3,5	31,3	34,8	201
<b>3-2</b>	42,8	2,9	34,3	20,0	140	<b>5-1</b>	37,3	4,3	49,7	8,7	161
<b>4</b>	35,7	2,4	28,6	33,3	168	<b>3</b>	31,8	3,7	42,3	22,2	189
<b>6</b>	30,6	2,0	24,5	42,8	196	<b>5</b>	27,7	3,2	36,8	32,2	217
<b>4-2</b>	38,5	2,5	41,0	17,9	156	<b>6-1</b>	33,9	4,0	54,2	7,9	177
<b>4</b>	32,6	2,2	34,8	30,4	184	<b>3</b>	29,3	3,4	46,3	20,5	205
<b>6</b>	28,3	1,9	30,2	39,6	212	<b>5</b>	25,8	3,0	41,2	30,0	233
<b>5-2</b>	34,9	2,3	46,5	16,3	172	<b>7-1</b>	31,1	3,6	58,0	7,3	193
<b>4</b>	30,0	2,0	40,0	28,0	200	<b>3</b>	27,1	3,2	50,7	19,0	221
<b>6</b>	26,3	1,7	35,1	36,8	228	<b>5</b>	24,1	2,8	45,0	28,1	249
<b>6-2</b>	31,9	2,1	51,1	14,9	188	<b>8-1</b>	28,7	3,3	61,2	6,7	209
<b>4</b>	27,8	1,8	44,4	25,9	216	<b>3</b>	25,3	2,9	54,9	17,7	237
<b>6</b>	24,6	1,6	39,4	34,4	244	<b>15-5</b>	15,9	1,9	63,6	18,3	377
<b>5-5-1-1</b>	63,2	5,2	16,8	14,7	95	<b>5-8-1-2</b>	53,6	7,1	14,3	25,0	112
<b>3</b>	48,8	4,1	13,0	34,1	123	<b>4</b>	42,8	5,7	11,4	40,0	140
<b>5</b>	39,7	3,3	10,6	46,4	151	<b>6</b>	35,7	4,8	9,5	50,0	168
<b>2-1</b>	54,0	4,5	28,8	12,6	111	<b>2-2</b>	46,9	6,2	25,0	21,9	128
<b>3</b>	43,2	3,6	23,0	30,2	139	<b>4</b>	38,5	5,1	20,5	35,9	156
<b>5</b>	35,9	3,0	19,2	41,9	167	<b>6</b>	32,6	4,3	17,1	45,7	184
<b>3-1</b>	47,2	3,9	37,8	11,0	127	<b>3-2</b>	41,7	5,5	33,3	19,5	144
<b>3</b>	38,7	3,2	31,0	27,1	155	<b>4</b>	34,9	4,6	27,9	32,6	172
<b>5</b>	32,8	2,7	26,2	38,2	183	<b>6</b>	30,0	4,0	24,0	42,0	200
<b>4-1</b>	42,0	3,5	44,7	9,8	143	<b>4-2</b>	37,5	5,0	40,0	17,5	160
<b>3</b>	35,1	2,9	37,4	24,6	171	<b>4</b>	31,9	4,2	34,1	29,8	188
<b>5</b>	30,1	2,5	32,2	35,2	199	<b>6</b>	27,8	3,7	29,6	38,9	216
<b>5-1</b>	37,7	3,1	50,3	8,8	159	<b>5-2</b>	34,1	4,5	45,4	15,9	176
<b>3</b>	32,1	2,7	42,8	22,4	187	<b>4</b>	29,4	3,9	39,2	27,5	204
<b>5</b>	27,9	2,3	37,2	32,6	215	<b>6</b>	25,9	3,4	34,5	36,2	232
<b>6-1</b>	34,3	2,8	54,9	8,0	175	<b>6-2</b>	31,3	4,1	50,0	14,6	192
<b>3</b>	29,6	2,4	47,3	20,7	203	<b>4</b>	27,3	3,6	43,6	25,4	220
<b>5</b>	26,0	2,1	41,6	30,3	231	<b>6</b>	24,2	3,2	38,7	33,9	248
<b>5-6-1-2</b>	54,5	5,4	14,5	25,5	110	<b>7-2</b>	28,8	3,8	53,8	13,5	208
<b>4</b>	43,5	4,3	11,6	40,6	138	<b>4</b>	25,4	3,4	47,4	23,7	236
<b>6</b>	36,1	3,6	9,6	50,6	166	<b>6</b>	22,7	3,0	42,4	31,8	264
<b>2-2</b>	47,6	4,8	25,4	22,1	126	<b>8-2</b>	23,4	3,1	62,5	10,9	224
<b>4</b>	39,0	3,9	20,8	36,3	154	<b>4</b>	21,1	2,8	56,3	19,7	252

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>5—8—8—6</b>	19.2	2.6	51.3	26.9	280	<b>5—11—4—3</b>	33.9	6.2	36.2	23.7	177
<b>5—9—1—1</b>	60.6	9.1	16.2	14.1	99	<b>5</b>	29.3	5.4	31.2	34.1	205
3	47.2	7.1	12.6	33.1	127	<b>5—1</b>	36.4	6.6	48.5	8.5	165
5	38.7	5.8	10.3	45.2	155	<b>3</b>	31.1	5.7	41.4	21.8	193
<b>2—1</b>	52.2	7.8	27.8	12.2	115	<b>5</b>	27.1	5.0	32.6	31.7	221
3	41.9	6.3	22.4	29.4	143	<b>5—12—1—2</b>	51.7	10.3	13.8	24.1	116
5	35.1	5.2	18.7	40.9	171	<b>4</b>	41.7	8.3	11.1	38.9	144
<b>3—1</b>	45.8	6.9	36.6	10.7	131	<b>6</b>	34.9	7.0	9.3	48.8	172
3	37.7	5.6	30.2	26.4	159	<b>2—2</b>	45.4	9.1	24.2	21.2	132
5	32.1	4.8	25.7	37.4	187	<b>4</b>	37.5	7.5	20.0	35.0	160
<b>4—1</b>	40.8	6.1	43.5	9.5	147	<b>6</b>	31.9	6.4	17.0	44.7	188
3	34.3	5.1	36.6	24.0	175	<b>3—2</b>	40.5	8.1	32.4	18.9	148
5	29.6	4.4	31.5	34.5	203	<b>4</b>	34.1	6.8	27.3	31.8	176
<b>5—1</b>	36.8	5.5	49.1	8.6	163	<b>6</b>	29.4	5.9	23.5	41.2	204
3	31.4	4.7	41.9	22.0	191	<b>4—2</b>	36.6	7.3	39.0	17.1	164
5	27.4	4.1	36.5	32.0	219	<b>4</b>	31.3	6.2	33.3	29.2	192
<b>6—1</b>	33.5	5.0	53.6	7.8	179	<b>6</b>	27.3	5.4	29.1	38.2	220
3	29.0	4.3	46.4	20.3	207	<b>5—2</b>	33.3	6.7	44.4	15.6	180
5	25.5	3.8	40.9	29.8	235	<b>5—13—1—1</b>	58.2	12.6	15.5	13.6	103
<b>7—1</b>	30.8	4.6	57.4	7.2	195	<b>3</b>	45.8	9.9	12.2	32.1	131
3	26.9	4.0	50.2	18.8	223	<b>5</b>	37.7	8.2	10.1	44.0	159
5	23.9	3.6	44.6	27.9	251	<b>2—1</b>	50.4	10.9	26.9	11.8	119
<b>8—1</b>	28.4	4.3	60.7	6.6	211	<b>3</b>	40.8	8.8	21.8	28.6	147
3	25.1	3.8	53.5	17.6	239	<b>5</b>	34.3	7.4	18.3	40.0	175
5	22.5	3.4	47.9	26.2	267	<b>3—1</b>	44.4	9.6	35.6	10.4	135
<b>5—10—1—2</b>	52.6	5.8	14.0	24.6	114	<b>3</b>	36.8	8.0	29.4	25.8	163
4	42.2	7.0	11.3	39.4	142	<b>5</b>	31.4	6.8	25.1	36.6	191
6	35.3	5.9	9.4	49.4	170	<b>5—14—1—2</b>	50.8	11.9	13.6	23.7	118
<b>2—2</b>	46.2	7.7	24.6	21.5	130	<b>4</b>	41.1	9.6	10.9	38.4	146
4	38.0	6.3	20.3	35.1	158	<b>6</b>	34.5	8.0	9.2	48.3	174
6	32.2	5.4	17.2	45.1	186	<b>2—2</b>	44.8	10.4	23.9	20.9	134
<b>3—2</b>	41.1	6.8	32.9	19.2	146	<b>4</b>	37.0	8.6	19.8	34.6	162
4	34.5	5.7	27.6	32.2	174	<b>6</b>	31.6	7.4	16.8	44.2	190
6	29.7	4.9	23.7	41.6	202	<b>3—4</b>	33.7	7.9	27.0	31.4	178
<b>4—2</b>	37.0	6.2	39.5	17.3	162	<b>6</b>	29.1	6.8	23.3	40.8	206
4	31.6	5.2	33.7	29.5	190	<b>6—4</b>	26.5	6.2	42.5	24.8	226
6	27.5	4.6	29.4	38.5	218	<b>5—15—1—1</b>	57.1	14.3	15.2	13.3	105
<b>5—2</b>	33.7	5.6	45.0	15.7	178	<b>3</b>	45.1	11.3	12.0	31.6	133
4	29.1	4.8	38.5	27.2	206	<b>5</b>	37.3	9.3	9.9	43.5	161
6	25.6	4.3	34.2	35.9	234	<b>2—1</b>	49.6	12.4	26.4	11.6	121
<b>6—2</b>	30.9	5.2	49.5	14.4	194	<b>3</b>	40.3	10.1	21.5	28.2	149
4	27.0	4.5	43.2	25.3	222	<b>5</b>	33.9	8.5	18.1	39.5	177
6	24.0	4.0	38.4	33.6	250	<b>3—1</b>	43.8	10.9	35.0	10.2	137
<b>7—2</b>	28.6	4.8	53.3	13.3	210	<b>3</b>	36.4	9.1	29.1	25.4	165
4	25.2	4.2	47.1	23.5	238	<b>5</b>	31.1	7.8	24.8	36.3	193
6	22.5	3.8	42.1	31.6	266	<b>4—1</b>	39.2	9.8	41.8	9.2	153
<b>8—2</b>	26.5	4.4	56.6	12.4	226	<b>3</b>	33.1	8.3	35.4	23.2	181
4	23.6	3.9	50.4	22.1	254	<b>5</b>	28.7	7.2	30.6	33.5	209
6	21.3	3.5	45.4	29.8	282	<b>5—1</b>	35.5	8.9	47.3	8.3	169
<b>5—11—1—1</b>	59.4	10.9	15.8	13.9	101	<b>3</b>	30.5	7.6	40.6	21.3	197
3	46.5	8.5	12.4	32.6	129	<b>5</b>	26.7	6.7	35.5	31.1	225
5	38.2	7.0	10.2	44.6	157	<b>5—17—5—7</b>	23.7	5.9	31.6	38.7	255
<b>2—1</b>	51.3	9.4	27.3	12.0	117	<b>5—19—2—1</b>	48.0	15.2	25.6	11.2	125
3	41.4	7.6	22.1	28.9	145	<b>6—1—1—1</b>	69.6	1.0	15.5	13.6	103
5	34.7	6.3	18.5	40.5	173	<b>3</b>	55.0	0.7	12.2	32.1	131
<b>3—1</b>	45.1	8.3	36.1	10.5	133	<b>5</b>	45.3	0.6	10.1	44.0	159
3	37.3	6.8	29.8	26.1	161	<b>5—5</b>	32.3	0.4	35.9	31.4	223
5	31.7	5.8	25.4	37.0	189	<b>6—5</b>	30.1	0.4	40.2	29.3	239
<b>4—1</b>	40.3	7.4	42.9	9.4	149	<b>7—5</b>	28.2	0.4	43.9	27.4	255

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>6—1—8—5</b>	26.6	0.4	47.2	25.8	271	<b>6—3—9—1</b>	30.9	1.3	61.8	6.0	233
<b>9—5</b>	25.1	0.3	50.2	24.4	287	<b>3</b>	27.6	1.1	55.2	16.1	261
<b>10—5</b>	23.8	0.3	52.8	23.1	303	<b>5</b>	24.9	1.0	49.8	24.2	289
<b>11—7</b>	20.7	0.3	50.7	28.2	347	<b>6—4—1—2</b>	60.0	3.3	13.3	23.3	120
<b>6—2—1—2</b>	61.0	1.7	13.6	23.7	118	<b>4</b>	48.6	2.7	10.8	37.8	148
<b>4</b>	49.3	1.4	11.0	38.3	146	<b>6</b>	40.9	2.3	9.1	47.7	176
<b>6</b>	41.4	1.1	9.2	48.3	172	<b>2—2</b>	53.0	2.9	23.5	20.6	136
<b>2—2</b>	53.7	1.5	23.9	20.9	134	<b>4</b>	43.9	2.4	19.5	34.2	164
<b>4</b>	44.4	1.2	19.8	34.6	162	<b>6</b>	37.5	2.1	16.7	43.7	192
<b>6</b>	37.9	1.0	16.0	44.2	190	<b>3—2</b>	47.4	2.6	31.6	18.4	152
<b>3—2</b>	48.0	1.3	32.0	18.7	150	<b>4</b>	40.0	2.2	26.7	31.1	180
<b>4</b>	40.4	1.1	27.0	31.5	178	<b>6</b>	34.6	1.9	23.1	40.4	208
<b>6</b>	34.9	1.0	23.3	40.8	206	<b>4—2</b>	42.8	2.4	38.1	16.7	168
<b>4—2</b>	43.4	1.2	38.6	16.8	166	<b>4</b>	36.7	2.0	32.7	28.6	196
<b>4</b>	37.1	1.0	33.0	28.8	194	<b>6</b>	32.1	1.8	28.6	37.5	224
<b>6</b>	32.4	0.9	28.8	37.8	222	<b>5—2</b>	39.1	2.2	43.5	15.2	184
<b>5—2</b>	39.0	1.1	44.0	15.3	182	<b>4</b>	34.0	1.9	37.7	26.4	212
<b>4</b>	34.3	0.9	38.1	26.7	210	<b>6</b>	30.0	1.7	33.3	35.0	240
<b>6</b>	30.2	0.8	33.6	35.3	238	<b>6—2</b>	36.0	2.0	48.0	14.0	200
<b>6—2</b>	36.3	1.0	48.5	14.1	198	<b>4</b>	31.6	1.7	42.1	24.6	228
<b>4</b>	31.8	0.9	42.5	24.8	226	<b>6</b>	28.1	1.6	37.5	32.8	256
<b>6</b>	28.3	0.8	37.8	33.1	254	<b>7—2</b>	33.3	1.8	51.8	13.0	216
<b>7—2</b>	33.7	0.9	52.3	13.1	214	<b>4</b>	29.5	1.6	55.9	12.9	244
<b>4</b>	29.7	0.8	46.3	23.1	242	<b>6</b>	26.5	1.5	41.1	30.9	272
<b>6</b>	26.7	0.7	41.5	31.1	270	<b>6—5—1—1</b>	67.3	4.7	14.9	13.1	107
<b>8—2</b>	31.3	0.9	55.6	12.2	230	<b>3</b>	53.3	3.7	11.8	31.1	135
<b>4</b>	27.9	0.8	49.6	21.7	258	<b>5</b>	44.2	3.1	9.8	42.9	163
<b>6</b>	25.2	0.7	44.7	29.4	286	<b>2—1</b>	58.5	4.1	26.0	11.4	123
<b>9—2</b>	29.3	0.8	58.5	11.4	246	<b>3</b>	47.6	3.3	21.2	27.8	151
<b>4</b>	26.3	0.7	52.6	20.4	274	<b>5</b>	40.2	2.8	17.9	39.1	179
<b>6</b>	23.8	0.6	47.7	27.8	302	<b>3—1</b>	51.8	3.6	34.5	10.1	139
<b>10—2</b>	27.5	0.7	61.1	10.7	262	<b>3</b>	43.1	3.0	28.7	25.2	167
<b>4</b>	24.8	0.7	55.2	19.3	290	<b>5</b>	36.9	2.6	24.6	35.9	195
<b>6</b>	22.6	0.6	50.3	26.4	318	<b>4—1</b>	46.5	3.2	41.3	9.0	155
<b>6—3—1—1</b>	68.6	2.8	15.2	13.3	105	<b>3</b>	39.3	2.7	35.0	23.0	183
<b>3</b>	54.1	2.2	12.0	31.6	133	<b>5</b>	34.1	2.4	30.3	33.2	211
<b>5</b>	44.7	1.9	9.9	43.5	161	<b>5—1</b>	42.1	2.9	46.8	8.2	171
<b>2—1</b>	59.5	2.5	26.4	11.6	121	<b>3</b>	36.2	2.5	40.2	21.1	199
<b>3</b>	48.3	2.0	21.5	28.2	149	<b>5</b>	31.7	2.2	35.2	30.8	227
<b>5</b>	40.7	1.7	18.1	39.5	177	<b>6—1</b>	38.5	2.7	51.3	7.5	187
<b>3—1</b>	52.6	2.2	35.0	10.2	137	<b>3</b>	33.5	2.3	44.7	19.5	215
<b>3</b>	43.6	1.8	29.1	25.5	165	<b>5</b>	29.6	2.1	39.5	28.8	243
<b>5</b>	37.3	1.5	24.9	36.3	193	<b>7—1</b>	35.5	2.4	55.2	6.9	203
<b>7</b>	32.6	1.4	21.7	44.3	221	<b>3</b>	31.2	2.1	48.5	18.2	231
<b>4—1</b>	47.1	2.0	41.8	9.1	153	<b>5</b>	27.8	1.9	43.2	27.0	259
<b>3</b>	39.8	1.6	35.4	23.2	181	<b>8—1</b>	32.9	2.3	58.4	6.4	219
<b>5</b>	34.4	1.4	30.6	33.5	209	<b>3</b>	29.1	2.0	51.8	17.0	247
<b>5—1</b>	42.6	1.8	47.3	8.3	169	<b>5</b>	26.2	1.8	46.5	25.4	275
<b>3</b>	36.5	1.5	40.6	21.3	197	<b>6—6—1—2</b>	59.0	4.9	13.1	22.9	122
<b>5</b>	32.0	1.3	35.5	31.1	225	<b>4</b>	48.0	4.0	10.7	37.3	150
<b>6—1</b>	38.9	1.6	51.9	7.6	185	<b>6</b>	40.4	3.4	9.0	47.2	178
<b>3</b>	33.8	1.4	45.1	19.7	213	<b>2—2</b>	52.2	4.3	23.2	20.3	138
<b>5</b>	29.9	1.2	39.8	29.0	241	<b>4</b>	43.4	3.6	19.3	33.7	166
<b>7—1</b>	35.8	1.5	55.7	7.0	201	<b>6</b>	37.1	3.1	16.5	43.3	194
<b>3</b>	31.4	1.3	48.9	18.3	229	<b>3—2</b>	46.7	3.9	31.2	18.2	154
<b>5</b>	28.0	1.2	43.6	27.2	257	<b>4</b>	39.6	3.3	26.4	30.8	182
<b>8—1</b>	33.2	1.4	59.0	6.4	217	<b>6</b>	34.3	2.8	22.9	40.0	210
<b>3</b>	29.4	1.2	52.2	17.1	245	<b>4—2</b>	42.3	3.5	37.6	16.5	170
<b>5</b>	26.4	1.1	46.9	25.6	273	<b>4</b>	36.4	3.0	32.3	28.3	198

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>6—6—4—6</b>	31,9	2,6	28,3	47,2	226	<b>6—8—1—2</b>	58,1	6,4	12,9	22,6	124
<b>5—2</b>	38,7	3,2	43,0	15,1	186	<b>4</b>	47,4	5,3	10,5	36,8	152
<b>4</b>	33,6	2,8	37,4	26,2	214	<b>6</b>	40,0	4,4	8,9	46,7	180
<b>6</b>	29,7	2,5	33,1	34,7	242	<b>2—2</b>	51,4	5,0	22,8	20,0	140
<b>6—2</b>	35,6	3,0	47,5	13,9	202	<b>4</b>	42,9	4,8	19,0	33,3	165
<b>4</b>	31,3	2,6	41,7	24,4	230	<b>6</b>	36,7	4,1	16,3	42,8	196
<b>6</b>	27,9	2,3	37,2	32,6	258	<b>3—2</b>	46,2	5,1	30,7	18,0	156
<b>7—2</b>	33,0	2,7	51,4	12,8	218	<b>4</b>	39,1	4,3	26,1	30,4	184
<b>4</b>	29,3	2,4	45,5	22,8	246	<b>6</b>	34,0	3,8	22,6	39,6	212
<b>6</b>	26,3	2,2	40,9	30,6	274	<b>4—2</b>	41,9	4,6	37,2	16,3	172
<b>8—2</b>	30,8	2,5	54,7	12,0	234	<b>4</b>	36,0	4,0	32,0	28,0	200
<b>4</b>	27,5	2,3	48,8	21,4	292	<b>6</b>	31,6	3,5	28,1	36,8	228
<b>6</b>	24,8	2,1	44,1	29,0	290	<b>5—2</b>	38,3	4,2	42,6	14,9	188
<b>9—2</b>	28,8	2,4	57,6	11,2	230	<b>4</b>	33,3	3,7	37,0	25,9	216
<b>4</b>	25,9	2,1	51,8	20,1	278	<b>6</b>	29,5	3,3	32,8	34,4	244
<b>6</b>	23,5	1,9	47,1	27,4	306	<b>6—2</b>	35,3	3,9	47,1	13,7	204
<b>10—2</b>	27,1	2,2	60,1	10,5	266	<b>4</b>	31,0	3,4	41,4	24,1	232
<b>4</b>	24,5	2,0	54,4	19,1	294	<b>6</b>	27,7	3,1	36,9	32,3	269
<b>6</b>	22,4	1,8	49,7	26,1	322	<b>7—2</b>	32,7	3,6	50,9	12,7	220
<b>11—2</b>	25,5	2,1	62,4	9,9	282	<b>4</b>	29,0	3,2	45,1	22,6	248
<b>4</b>	23,2	1,9	56,8	18,1	310	<b>6</b>	26,1	2,9	40,6	30,4	276
<b>6</b>	21,3	1,8	52,1	24,8	338	<b>8—2</b>	30,5	3,4	54,2	11,9	236
<b>12—2</b>	24,2	2,0	64,4	9,4	298	<b>4</b>	27,3	3,0	48,5	21,2	264
<b>4</b>	22,1	1,8	58,9	17,2	326	<b>6</b>	24,7	2,7	43,8	28,8	292
<b>6</b>	20,3	1,7	54,2	23,7	354	<b>9—2</b>	28,6	3,2	57,1	11,1	252
<b>18—6</b>	16,0	1,3	64,0	18,7	450	<b>4</b>	25,7	2,8	51,4	20,0	290
<b>6—7—1—1</b>	66,1	6,4	47,8	12,8	109	<b>6</b>	23,4	2,6	46,7	27,3	308
<b>3</b>	52,5	5,1	11,7	30,7	137	<b>10—2</b>	26,9	3,0	59,7	10,4	268
<b>5</b>	43,6	4,2	9,	42,4	165	<b>4</b>	24,3	2,7	54,0	18,9	290
<b>2—1</b>	57,6	5,6	25,6	11,2	125	<b>6</b>	22,2	2,5	49,4	25,9	324
<b>3</b>	47,1	4,6	20,9	27,4	153	<b>13—4</b>	20,9	2,3	60,5	16,3	344
<b>5</b>	39,7	3,9	17,7	38,7	181	<b>14—2</b>	21,7	2,4	67,5	8,4	332
<b>3—1</b>	51,1	4,9	34,0	9,9	141	<b>18—6</b>	15,9	1,8	63,7	18,6	452
<b>3</b>	42,6	4,1	28,4	24,9	169	<b>6—9—1—1</b>	64,9	8,1	14,4	12,6	111
<b>5</b>	36,5	3,5	24,4	35,5	197	<b>3</b>	51,8	6,5	11,5	30,2	139
<b>4—1</b>	45,9	4,4	30,8	8,9	157	<b>5</b>	43,1	5,4	9,6	41,9	167
<b>3</b>	38,9	3,8	34,6	22,7	185	<b>2—1</b>	56,7	7,1	25,2	11,0	127
<b>5</b>	33,8	3,3	30,1	32,8	213	<b>3</b>	46,5	5,8	20,6	27,1	155
<b>5—1</b>	41,6	4,0	46,2	8,1	173	<b>5</b>	39,3	4,9	17,5	38,2	183
<b>3</b>	35,8	3,5	39,8	20,9	201	<b>3—1</b>	50,3	6,3	33,6	9,8	143
<b>5</b>	31,4	3,0	34,9	30,6	229	<b>3</b>	42,1	5,3	28,1	24,5	171
<b>6—1</b>	38,1	3,7	50,5	7,4	189	<b>5</b>	36,2	4,5	24,1	35,2	199
<b>3</b>	33,2	3,2	44,2	19,4	217	<b>7</b>	31,7	3,9	21,1	43,2	227
<b>5</b>	29,4	2,8	39,2	28,6	245	<b>9</b>	28,2	3,5	18,8	49,4	255
<b>7—1</b>	35,1	3,4	54,6	6,8	205	<b>4—1</b>	45,3	5,7	40,2	8,8	159
<b>3</b>	30,9	3,0	48,1	18,0	233	<b>3</b>	38,5	4,8	34,2	22,5	187
<b>5</b>	27,6	2,7	42,9	26,8	261	<b>5</b>	33,5	4,2	29,8	32,5	215
<b>8—1</b>	32,6	3,2	57,9	6,3	221	<b>5—1</b>	41,1	5,1	45,7	8,0	175
<b>3</b>	28,9	2,8	51,4	16,9	249	<b>3</b>	35,5	4,4	39,4	20,7	203
<b>5</b>	26,0	2,5	46,2	25,3	277	<b>5</b>	31,2	3,9	34,6	30,3	231
<b>9—1</b>	30,4	2,9	60,8	5,9	237	<b>6—1</b>	37,7	4,7	50,2	7,3	191
<b>3</b>	27,2	2,6	54,3	15,8	265	<b>3</b>	32,9	4,1	43,8	19,2	219
<b>5</b>	24,6	2,4	49,1	23,9	293	<b>5</b>	29,1	3,6	38,9	28,3	247
<b>10—1</b>	28,5	2,8	63,2	5,5	253	<b>7—1</b>	34,8	4,3	54,1	6,7	207
<b>3</b>	25,6	2,5	56,9	14,9	251	<b>3</b>	30,6	3,8	47,7	17,9	235
<b>5</b>	23,3	2,3	51,8	22,6	309	<b>5</b>	27,4	3,4	42,6	26,6	263
<b>11—3</b>	24,2	2,4	59,3	14,1	297	<b>8—1</b>	32,3	4,0	57,4	6,3	223
<b>15—5</b>	18,5	1,8	61,7	18,0	389	<b>3</b>	28,7	3,6	51,0	16,7	251
<b>16—5</b>	17,8	1,7	63,2	17,3	405	<b>5</b>	25,8	3,2	45,9	25,1	279

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C% <sub>o</sub>	H% <sub>o</sub>	O% <sub>o</sub>	N% <sub>o</sub>	M.G.
<b>6-9-9-1</b>	30.1	3.8	60.2	5.8	239	<b>6-11-5-3</b>	35.1	5.4	39.0	20.5	205
3	27.0	3.4	53.9	15.7	267	5	30.9	4.7	34.4	30.0	233
5	24.4	3.1	48.8	23.7	205	<b>6-1</b>	37.3	5.7	49.7	7.2	193
<b>10-1</b>	28.2	3.5	62.7	5.5	255	3	32.6	5.0	43.4	19.0	221
3	25.4	3.2	56.5	14.8	283	5	28.9	4.4	38.5	28.1	249
5	23.1	2.9	51.4	22.5	311	<b>7-1</b>	34.4	5.3	53.6	6.7	209
11-1	26.6	3.3	64.9	5.2	271	3	30.4	4.6	47.2	17.7	237
3	24.1	3.0	58.8	14.0	299	5	27.2	4.1	42.3	26.4	265
5	22.0	2.7	53.8	21.4	327	<b>8-1</b>	32.0	4.9	56.9	6.2	225
<b>12-1</b>	25.1	3.1	66.9	4.9	257	3	28.5	4.3	50.6	16.6	253
3	22.9	2.8	61.0	13.3	315	5	25.6	3.9	45.5	24.9	281
5	21.0	2.6	56.0	20.4	343	<b>6-12-1-2</b>	56.2	9.3	12.5	21.9	128
<b>16-5</b>	17.7	2.2	62.9	17.2	407	4	46.2	7.7	10.2	35.9	156
<b>6-10-1-2</b>	57.1	7.9	12.7	22.2	126	6	39.1	6.5	8.7	45.7	184
4	46.7	6.5	10.4	36.4	154	<b>2-2</b>	50.0	8.3	22.2	19.4	144
6	39.5	5.5	8.8	46.2	182	4	41.9	7.0	18.6	32.5	172
<b>2-2</b>	50.7	7.0	22.5	19.7	142	6	36.0	6.0	16.0	42.0	200
4	42.3	5.9	18.5	32.9	170	<b>3-2</b>	45.0	7.5	30.0	17.5	160
6	36.4	5.0	16.2	42.4	198	4	38.3	6.4	25.5	29.8	188
<b>3-2</b>	45.6	6.3	30.4	17.7	158	6	33.3	5.5	22.2	38.9	216
4	38.7	5.4	25.8	30.1	186	<b>4-2</b>	40.9	6.8	36.3	15.9	176
6	33.6	4.7	22.5	39.2	214	4	35.3	5.9	31.4	27.4	204
<b>4-2</b>	41.4	5.7	36.8	16.1	174	6	31.0	5.2	27.6	36.2	232
4	35.6	4.9	31.7	27.7	202	<b>5-2</b>	37.5	6.2	41.7	14.6	192
6	31.3	4.3	27.8	36.5	230	4	32.7	5.4	36.4	25.5	220
8	27.9	3.9	24.5	43.4	258	6	29.0	4.5	32.2	33.9	248
<b>5-2</b>	37.9	5.3	42.1	14.7	190	<b>6-2</b>	34.6	5.8	46.1	13.5	208
4	33.0	4.6	36.7	25.7	218	4	30.5	5.1	40.7	23.7	236
6	29.3	4.1	32.5	34.1	246	6	27.3	4.5	36.4	31.8	264
<b>6-2</b>	34.9	4.8	46.6	13.6	206	<b>7-2</b>	32.1	5.4	50.0	12.5	224
4	30.8	4.3	41.0	23.9	234	4	28.6	4.8	44.4	22.2	252
6	27.5	3.8	36.6	32.1	262	6	25.7	4.3	40.0	30.0	280
<b>7-2</b>	32.4	4.5	50.4	12.6	222	<b>8-2</b>	30.0	5.0	53.3	11.7	240
4	28.8	4.0	44.8	22.4	250	4	26.8	4.5	47.8	20.9	268
6	25.9	3.6	40.3	30.2	278	6	24.3	4.0	43.2	28.4	296
<b>8-2</b>	30.2	4.2	53.8	11.8	238	<b>6-13-1-1</b>	62.6	11.3	13.9	12.2	115
4	27.1	3.8	48.1	21.0	266	3	50.3	9.1	11.2	29.4	143
6	24.5	3.4	43.5	28.6	294	5	42.1	7.6	9.4	40.9	171
<b>9-2</b>	28.3	3.9	56.7	11.0	254	<b>2-1</b>	55.0	9.9	24.4	10.7	131
4	25.5	3.5	51.1	19.9	282	3	45.3	8.2	20.1	26.4	159
6	23.2	3.2	46.4	27.1	310	5	38.5	6.9	17.1	37.4	187
<b>10-2</b>	26.6	3.7	59.3	10.4	270	<b>3-1</b>	49.0	8.8	32.6	9.5	147
4	24.2	3.3	53.7	18.8	298	3	41.1	7.4	27.4	24.0	175
6	22.1	3.0	49.1	25.8	326	5	35.4	6.4	23.6	34.5	203
<b>6-11-1-1</b>	63.7	9.7	14.2	12.4	113	<b>4-1</b>	44.2	8.0	39.2	8.6	163
3	51.1	7.8	11.3	20.8	141	3	37.7	6.8	33.5	22.0	191
5	42.6	6.5	9.5	41.4	169	5	32.9	5.9	29.2	32.0	219
<b>2-1</b>	55.8	8.5	24.8	10.9	129	<b>5-1</b>	40.2	7.3	44.7	7.8	179
3	45.9	7.0	20.4	26.7	157	3	34.8	6.3	38.6	20.3	207
5	38.9	5.9	17.3	37.8	185	5	30.6	5.5	34.0	29.8	235
<b>3-1</b>	49.7	7.6	33.1	9.6	145	<b>6-1</b>	36.9	6.7	49.2	7.2	195
3	41.6	6.3	27.8	24.3	173	3	32.3	5.8	43.0	18.8	223
5	35.8	5.5	23.9	34.8	201	5	28.7	5.2	38.2	27.9	251
7	31.4	4.8	21.0	42.8	229	<b>7-1</b>	34.1	6.2	53.1	6.6	211
9	28.0	4.3	18.7	48.0	257	3	30.1	5.4	46.9	17.6	239
<b>4-1</b>	44.7	6.8	39.7	8.7	161	5	27.0	4.8	41.9	26.2	267
3	38.1	5.8	33.9	22.2	189	4	45.6	8.8	10.1	35.5	158
5	33.2	5.0	29.5	32.3	217	6	38.7	7.5	8.6	45.1	186
<b>5-1</b>	40.7	6.2	45.2	7.9	177						

C—H—O—N	C% <sub>o</sub>	H% <sub>o</sub>	O% <sub>o</sub>	N% <sub>o</sub>	M.G.	C—H—O—N	C% <sub>o</sub>	H% <sub>o</sub>	O% <sub>o</sub>	N% <sub>o</sub>	M.G.
<b>6—14—2—2</b>	49.3	9.6	21.9	19.2	146	<b>6—18—2—6</b>	34.9	8.7	15.5	40.8	206
<b>4</b>	41.4	8.0	18.4	32.2	174	<b>3—4</b>	37.1	9.3	24.7	29.9	194
<b>6</b>	35.6	6.9	15.8	41.6	202	<b>6</b>	32.4	8.1	21.6	37.8	222
<b>3—2</b>	44.5	8.6	20.6	17.3	162	<b>7—3—1—3</b>	57.9	2.1	11.0	29.0	145
<b>4</b>	37.9	7.4	25.2	29.5	190	<b>2—3</b>	52.0	1.9	19.9	26.1	161
<b>6</b>	33.0	6.4	22.0	38.5	218	<b>3—1</b>	56.4	2.0	32.2	9.4	149
<b>4—2</b>	40.4	7.8	36.0	15.7	178	<b>3</b>	47.5	1.7	27.1	23.7	177
<b>4</b>	35.0	6.8	31.0	27.2	206	<b>4—3</b>	43.5	1.5	33.2	21.8	193
<b>6</b>	30.8	6.0	27.3	35.9	234	<b>5—3</b>	40.2	1.4	38.3	20.1	209
<b>5—2—2</b>	37.1	7.2	41.2	14.4	194	<b>6—1</b>	42.6	1.5	48.7	7.1	197
<b>4</b>	32.4	6.3	36.0	25.2	222	<b>3</b>	37.3	1.3	42.7	18.7	225
<b>6</b>	28.8	5.6	32.0	33.6	250	<b>5</b>	33.2	1.2	37.9	27.7	253
<b>6—2—2</b>	34.3	6.7	45.7	13.3	210	<b>7—1</b>	39.4	1.4	52.6	6.6	213
<b>4</b>	30.3	5.9	40.3	23.5	238	<b>3</b>	34.8	1.2	46.5	17.4	241
<b>6</b>	27.1	5.2	36.1	31.6	266	<b>5</b>	31.2	1.1	41.6	26.0	269
<b>7—2—2</b>	31.9	6.2	49.5	12.4	226	<b>8—1</b>	36.7	1.3	55.9	6.1	229
<b>4</b>	28.3	5.5	44.1	22.1	254	<b>3</b>	32.7	1.2	49.8	16.3	257
<b>6</b>	25.5	4.9	39.7	29.8	282	<b>5</b>	29.5	1.0	44.9	24.6	285
<b>8—2</b>	23.2	4.5	36.1	36.1	310	<b>9—1</b>	34.3	1.2	58.8	5.7	245
<b>6—15—1—1</b>	61.5	12.8	13.7	12.0	117	<b>3</b>	30.7	1.1	52.7	15.4	273
<b>3</b>	49.7	10.3	11.0	29.0	145	<b>5</b>	27.9	1.0	47.9	23.2	301
<b>5</b>	41.6	8.7	9.2	40.5	173	<b>7—4—1—2</b>	63.6	3.0	12.1	21.2	132
<b>2—1</b>	54.1	11.3	21.1	10.5	133	<b>4</b>	52.5	2.5	10.0	35.0	160
<b>3</b>	44.7	9.3	19.9	26.1	161	<b>6</b>	44.7	2.1	8.5	44.7	188
<b>5</b>	38.1	7.9	16.9	37.0	189	<b>2—2</b>	56.7	2.7	21.6	18.9	148
<b>3—1</b>	48.3	10.1	32.2	9.4	149	<b>4</b>	47.7	2.3	18.2	31.8	176
<b>3</b>	40.7	8.5	27.1	23.7	177	<b>6</b>	41.2	2.0	15.7	41.1	204
<b>5</b>	35.1	7.3	23.4	34.1	205	<b>3—2</b>	51.2	2.4	29.3	17.1	164
<b>4—1</b>	43.6	9.1	38.8	8.5	165	<b>4</b>	43.7	2.1	25.0	29.2	192
<b>3</b>	37.3	7.8	33.2	21.7	193	<b>6</b>	38.2	1.8	21.8	38.2	220
<b>5</b>	32.6	6.8	28.9	31.7	221	<b>4—2</b>	46.7	2.2	35.5	15.5	180
<b>5—1</b>	39.8	8.3	44.2	7.7	181	<b>4</b>	40.4	1.9	30.8	26.9	208
<b>3</b>	34.4	7.2	38.3	20.1	209	<b>6</b>	35.6	1.7	27.1	35.6	236
<b>5</b>	30.4	6.3	33.8	29.5	237	<b>5—2</b>	42.8	2.0	40.8	14.3	196
<b>6—1</b>	36.5	7.6	48.7	7.1	197	<b>4</b>	37.5	1.8	35.7	25.0	224
<b>6—16—1—2</b>	54.5	12.1	12.1	21.2	132	<b>6</b>	33.3	1.6	31.7	33.3	252
<b>4</b>	45.0	10.0	10.0	35.0	160	<b>6—2</b>	39.6	1.9	45.3	13.2	212
<b>6</b>	38.3	8.5	8.5	44.7	188	<b>4</b>	35.0	1.7	40.0	23.3	240
<b>2—2</b>	48.6	10.8	21.6	18.9	148	<b>6</b>	31.3	1.5	35.8	31.3	268
<b>4</b>	40.9	9.1	18.2	31.8	176	<b>7—2</b>	36.8	1.7	49.1	12.4	228
<b>6</b>	35.3	7.8	15.7	41.2	204	<b>4</b>	32.8	1.5	50.8	21.9	256
<b>3—2</b>	43.9	9.7	29.3	17.1	164	<b>6</b>	29.6	1.4	39.4	29.6	284
<b>4</b>	37.5	8.3	25.0	29.2	192	<b>8—2</b>	34.4	1.6	52.5	11.5	244
<b>6</b>	32.7	7.3	21.8	38.2	220	<b>4</b>	30.9	1.5	47.0	20.6	272
<b>4—2</b>	40.0	8.9	35.6	15.5	180	<b>6</b>	28.0	1.3	42.7	28.0	300
<b>4</b>	34.6	7.7	30.8	26.9	208	<b>10—6</b>	25.3	1.2	48.2	25.3	332
<b>6</b>	30.5	6.8	27.1	35.6	236	<b>7—5—1—1</b>	70.6	4.2	13.4	11.8	119
<b>5—2</b>	36.7	8.2	40.8	14.3	196	<b>3</b>	57.1	3.4	10.9	28.6	147
<b>6—17—1—1</b>	60.5	14.3	13.4	11.7	119	<b>5</b>	48.0	2.9	9.1	40.0	175
<b>3</b>	49.0	11.5	10.9	28.6	147	<b>2—1</b>	62.2	3.7	23.7	10.4	135
<b>5</b>	41.1	9.7	9.1	40.0	175	<b>3</b>	51.5	3.1	19.6	25.8	163
<b>2—1</b>	53.3	12.6	23.7	10.4	135	<b>5</b>	44.0	2.6	16.7	36.7	191
<b>3</b>	44.2	10.4	19.6	25.8	163	<b>3—1</b>	55.6	3.3	31.8	9.3	151
<b>5</b>	37.7	8.9	16.7	36.7	191	<b>3</b>	46.9	2.8	26.8	23.5	179
<b>3—1</b>	47.7	11.2	31.8	9.3	151	<b>5</b>	40.6	2.4	23.2	33.8	265
<b>3</b>	40.2	9.5	26.8	23.5	179	<b>4—1</b>	50.3	3.0	38.3	8.4	167
<b>5</b>	34.8	8.2	23.2	33.8	207	<b>3</b>	43.1	2.6	32.8	21.5	195
<b>6—18—1—4</b>	44.4	11.1	9.9	34.6	162	<b>5</b>	37.7	2.2	28.7	31.4	223
<b>2—4</b>	40.5	10.1	18.0	31.4	178	<b>5—1</b>	45.9	2.7	43.7	7.6	183

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>7-5-5-3</b>	39.8	2.4	37.9	19.9	211	<b>7-7-8-5</b>	20.1	2.4	44.3	24.2	289
5	35.1	2.1	33.5	29.3	239	<b>7-8-1-2</b>	61.8	5.9	11.8	20.6	136
<b>6-1</b>	42.2	2.5	48.2	7.0	199	4	51.2	4.9	9.7	34.1	164
3	37.0	2.2	42.3	18.5	227	6	43.8	4.1	8.3	43.5	192
5	33.0	2.0	37.6	27.4	255	<b>2-2</b>	55.3	5.3	21.0	18.4	152
<b>7-1</b>	39.1	2.3	52.1	6.5	215	4	46.7	4.4	17.8	31.1	180
3	34.6	2.0	46.1	17.3	243	6	40.4	3.8	15.4	40.4	208
5	31.0	1.8	41.3	25.8	271	<b>3-2</b>	50.0	4.8	28.5	16.7	168
<b>8-1</b>	36.4	2.2	55.4	6.0	231	4	42.8	4.1	24.5	28.6	196
3	32.4	1.9	49.4	16.2	259	6	37.5	3.6	21.4	37.5	224
5	29.3	1.7	44.6	24.4	287	<b>4-2</b>	45.6	4.3	34.8	15.2	184
<b>9-3</b>	30.5	1.8	52.3	15.3	275	4	39.6	3.8	30.2	26.4	212
<b>7-6-1-2</b>	62.7	4.5	11.9	20.9	134	6	35.0	3.3	26.7	35.0	240
4	51.8	3.7	9.9	34.6	162	<b>5-2</b>	42.0	4.0	40.0	14.0	200
6	44.2	3.2	8.4	44.2	190	4	36.8	3.5	35.1	24.6	228
<b>2-2</b>	56.0	4.0	21.3	18.7	150	6	32.8	3.1	31.3	32.8	256
4	47.2	3.4	18.0	31.4	178	<b>6-2</b>	39.0	3.7	44.4	12.9	216
6	40.8	2.9	15.5	40.8	206	4	34.4	3.3	39.3	23.0	244
<b>3-2</b>	50.6	3.6	28.9	16.9	166	6	30.9	2.9	35.3	30.9	272
4	43.3	3.1	24.7	28.9	194	<b>7-2</b>	36.2	3.4	48.3	12.1	232
6	37.8	2.7	21.6	37.8	222	4	32.3	3.1	43.1	21.1	260
<b>4-2</b>	46.1	3.3	35.2	15.4	182	6	29.1	2.8	38.9	29.2	288
4	40.0	2.9	30.4	26.7	210	<b>8-2</b>	33.9	3.2	51.6	11.3	248
6	35.3	2.5	26.9	35.3	238	4	30.4	2.9	46.4	20.3	276
<b>5-2</b>	42.4	3.0	40.4	14.1	198	6	27.6	2.6	42.1	27.6	304
4	37.2	2.6	35.4	24.8	226	<b>19-6</b>	17.5	1.7	63.3	17.5	480
6	33.1	2.4	31.5	33.1	254	<b>7-9-1-1</b>	68.3	7.3	13.0	11.4	123
<b>6-2</b>	39.2	2.8	44.9	13.1	214	3	53.6	6.0	10.6	27.8	151
4	34.7	2.5	39.7	23.1	242	5	46.9	5.0	8.9	39.1	179
6	31.1	2.2	35.5	31.1	270	<b>2-1</b>	60.4	6.5	23.0	10.1	139
<b>7-2</b>	36.5	2.6	48.7	12.2	230	3	50.3	5.4	19.2	25.1	167
4	32.5	2.3	43.4	21.7	258	5	43.1	4.6	16.4	35.9	195
6	29.4	2.1	39.1	29.4	286	<b>3-1</b>	54.2	5.8	31.0	9.0	155
<b>8-2</b>	34.1	2.4	52.0	11.4	246	3	45.9	4.9	26.2	23.0	183
4	30.7	2.2	46.7	20.4	274	5	39.8	4.3	22.7	33.2	211
6	27.8	2.0	42.4	27.8	302	<b>4-1</b>	49.1	5.3	37.4	8.2	171
<b>7-7-1-1</b>	69.4	5.8	13.2	11.6	121	3	42.2	4.5	32.2	21.1	199
3	56.4	4.5	10.7	28.2	149	5	37.0	3.9	28.2	30.8	227
5	47.5	3.9	9.0	39.5	177	<b>5-1</b>	44.9	4.8	42.8	7.5	187
<b>2-1</b>	61.3	5.1	23.4	10.2	137	3	39.1	4.2	37.2	19.5	215
3	50.9	4.2	19.4	25.4	165	5	34.6	3.7	32.9	28.8	243
5	43.5	3.6	16.6	36.3	193	<b>6-1</b>	41.4	4.4	47.3	6.9	203
<b>3-1</b>	54.9	4.6	31.4	9.2	153	3	36.4	3.9	41.5	18.2	231
3	46.4	3.9	26.5	23.2	181	5	32.4	3.5	37.1	27.0	259
5	40.2	3.3	23.0	33.5	209	<b>7-1</b>	38.4	4.1	51.1	6.4	219
<b>4-1</b>	49.7	4.1	37.9	8.3	169	3	34.0	3.6	45.3	17.0	247
3	42.6	3.5	32.5	21.3	197	5	30.5	3.3	40.7	25.4	275
5	37.3	3.1	28.4	31.1	225	<b>8-1</b>	35.7	3.8	54.5	6.0	235
<b>5-1</b>	45.4	3.8	43.2	7.6	185	3	31.9	3.4	48.7	16.0	263
3	39.4	3.3	37.6	19.7	213	5	28.9	3.1	44.0	24.0	291
5	34.8	2.9	33.2	29.0	241	<b>21-7</b>	15.9	1.7	63.8	18.6	527
<b>6-1</b>	41.8	3.5	47.7	7.0	201	4	50.6	6.0	9.6	33.7	166
3	36.7	3.1	41.9	18.3	229	6	43.3	5.1	8.2	43.3	194
5	32.7	2.7	37.4	27.2	257	<b>2-2</b>	54.5	6.5	20.8	18.2	154
<b>7-1</b>	38.7	3.2	51.6	6.4	217	4	46.1	5.5	17.6	30.8	182
3	34.3	2.9	45.7	17.1	245	6	40.0	4.8	15.2	40.0	210
5	30.8	2.6	41.0	25.6	273	<b>3-2</b>	49.4	5.9	28.2	16.5	170
<b>8-1</b>	36.1	3.0	54.9	6.0	233	4	42.4	5.0	24.2	28.3	198
3	32.2	2.7	49.0	16.1	261						

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>7—10—3—6</b>	37.2	4.4	21.2	37.2	226	<b>7—12—8—6</b>	27.3	3.9	41.5	27.3	308
<b>4—2</b>	45.1	5.4	34.5	15.0	186	<b>7—13—1—1</b>	66.1	10.2	12.6	11.0	127
<b>4</b>	39.2	4.7	29.9	26.2	214	<b>3</b>	54.2	8.4	10.3	27.1	155
<b>6</b>	34.7	4.1	26.4	34.7	212	<b>5</b>	45.9	7.1	8.7	38.2	183
<b>5—2</b>	41.6	4.9	39.6	13.9	202	<b>2—1</b>	58.7	9.1	22.4	9.8	143
<b>4</b>	36.5	4.3	34.8	24.4	230	<b>3</b>	49.1	7.6	18.7	24.6	171
<b>6</b>	32.5	3.9	31.0	32.5	258	<b>5</b>	42.2	6.5	16.0	35.2	190
<b>6—2</b>	38.5	4.6	44.0	12.8	218	<b>3—1</b>	52.8	8.2	30.2	8.8	159
<b>4</b>	34.1	4.1	39.0	22.8	246	<b>3</b>	44.9	6.9	25.7	22.5	157
<b>6</b>	30.7	3.6	35.0	30.7	274	<b>5</b>	39.1	6.0	22.3	32.6	215
<b>7—2</b>	35.9	4.3	47.9	11.9	234	<b>11</b>	28.1	4.3	16.0	51.5	290
<b>14—4</b>	22.5	2.7	59.9	14.9	374	<b>4—1</b>	48.4	7.4	36.6	8.0	175
<b>7—11—1—1</b>	67.2	8.8	12.8	11.2	125	<b>3</b>	41.4	6.4	31.5	20.7	203
<b>3</b>	54.8	7.2	10.5	27.4	153	<b>5</b>	36.4	5.6	27.7	30.3	231
<b>5</b>	46.4	6.1	8.8	38.7	181	<b>5—1</b>	44.0	6.7	42.0	7.3	191
<b>2—1</b>	59.6	7.8	22.7	9.9	141	<b>3</b>	38.4	5.9	36.5	19.2	219
<b>3</b>	49.7	6.5	18.9	24.9	169	<b>5</b>	34.0	5.3	32.4	28.3	247
<b>5</b>	42.6	5.6	16.2	35.5	197	<b>6—1</b>	40.6	6.3	46.4	6.7	207
<b>3—1</b>	53.5	7.0	30.6	8.9	157	<b>3</b>	35.7	5.5	40.8	17.9	235
<b>3</b>	45.4	5.9	25.9	22.7	185	<b>5</b>	31.9	4.9	36.5	26.6	263
<b>5</b>	39.4	5.2	22.5	32.9	213	<b>7—14—1—2</b>	59.1	9.9	11.3	19.7	142
<b>4—1</b>	48.6	6.3	37.0	8.1	173	<b>4</b>	49.4	8.2	9.4	32.9	170
<b>3</b>	41.8	5.5	31.8	20.9	201	<b>6</b>	42.4	7.1	8.1	42.4	198
<b>5</b>	36.7	4.8	28.0	30.6	229	<b>2—2</b>	53.2	8.8	20.3	17.7	158
<b>5—1</b>	44.4	5.8	42.3	7.4	189	<b>4</b>	45.1	7.5	17.2	30.1	186
<b>3</b>	38.7	5.1	30.8	19.4	217	<b>6</b>	39.2	6.5	15.0	39.2	214
<b>5</b>	34.3	4.5	32.6	28.6	245	<b>3—2</b>	48.3	8.0	27.6	16.1	174
<b>6—1</b>	41.0	5.4	46.8	6.8	205	<b>4</b>	41.6	6.9	23.8	27.7	202
<b>3</b>	36.1	4.7	41.2	18.0	233	<b>6</b>	36.5	6.1	20.9	36.5	230
<b>5</b>	32.2	4.2	36.8	26.8	261	<b>4—2</b>	44.2	7.4	33.7	14.7	190
<b>7—1—1</b>	38.0	5.0	50.7	6.3	221	<b>4</b>	38.5	6.4	20.3	25.7	218
<b>3</b>	33.7	4.4	41.9	16.9	249	<b>6</b>	34.1	5.7	26.0	34.1	246
<b>5</b>	30.3	4.0	40.1	25.3	277	<b>5—2</b>	40.8	6.8	38.8	13.6	206
<b>8—1</b>	35.4	4.6	54.0	5.9	237	<b>4</b>	35.9	6.0	34.2	23.9	234
<b>3</b>	31.7	4.1	48.3	15.9	265	<b>6</b>	32.1	5.3	30.5	32.1	262
<b>5</b>	28.7	3.7	43.7	23.9	293	<b>6—2</b>	37.8	6.3	43.2	12.6	222
<b>7—12—1—2</b>	60.0	8.6	11.4	20.0	140	<b>4</b>	33.6	5.6	38.4	22.4	250
<b>4</b>	50.0	7.1	9.5	33.3	168	<b>6</b>	30.2	5.0	34.5	30.2	278
<b>6</b>	42.8	6.1	8.2	42.8	196	<b>7—15—1—1</b>	65.1	11.6	12.8	10.8	129
<b>2—2</b>	53.8	7.7	20.5	18.0	156	<b>3</b>	53.5	9.5	10.2	26.8	157
<b>4</b>	45.7	6.5	17.4	30.4	184	<b>5</b>	45.4	8.1	8.6	37.8	185
<b>6</b>	39.6	5.7	15.1	39.6	212	<b>13</b>	28.3	5.4	5.4	61.3	297
<b>3—2</b>	48.8	7.0	27.9	16.3	172	<b>2—1</b>	57.9	10.3	22.1	9.7	145
<b>4</b>	42.0	6.0	24.0	28.0	200	<b>3</b>	48.5	8.7	18.5	24.3	173
<b>6</b>	36.8	5.3	21.0	36.8	228	<b>5</b>	41.8	7.5	15.9	34.8	201
<b>4—2</b>	44.7	6.4	34.0	14.9	188	<b>3—1</b>	52.2	9.3	29.8	8.7	161
<b>4</b>	38.9	5.5	29.6	25.9	216	<b>3</b>	44.5	7.9	25.4	22.2	189
<b>6</b>	34.4	4.9	26.2	34.4	244	<b>5</b>	38.7	6.9	22.1	32.3	217
<b>5—2</b>	41.2	5.9	39.2	13.7	204	<b>4—1</b>	47.5	8.5	36.1	7.9	177
<b>4</b>	36.2	5.2	34.5	24.1	232	<b>3</b>	41.0	7.3	31.2	20.5	205
<b>6</b>	32.3	4.6	30.8	32.3	260	<b>5</b>	36.1	6.4	27.5	30.0	233
<b>6—2</b>	38.2	5.4	43.6	12.7	220	<b>5—1</b>	43.5	7.8	41.4	7.2	193
<b>4</b>	33.9	4.8	38.7	22.6	248	<b>3</b>	38.0	6.8	36.2	19.0	221
<b>6</b>	30.4	4.3	34.8	30.4	276	<b>5</b>	33.7	6.0	32.1	28.1	249
<b>7—2</b>	35.6	5.1	47.4	11.9	236	<b>6—1</b>	40.2	7.2	45.9	6.7	209
<b>4</b>	31.8	4.5	42.4	21.2	264	<b>3</b>	35.4	6.3	40.5	17.7	237
<b>6</b>	28.8	4.1	38.3	28.8	292	<b>5</b>	31.7	5.6	36.2	26.4	265
<b>8—2</b>	33.3	4.8	50.8	11.1	252	<b>7—1</b>	37.3	6.7	49.8	6.2	225
<b>4</b>	30.0	4.3	45.7	20.0	280	<b>3</b>	33.2	5.9	44.3	16.6	253

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
7—15—7—5	29.9	5.3	39.8	24.9	281	8—4—1—6	48.0	2.0	8.0	42.0	200
8—1	34.9	6.2	53.0	5.8	241	2—2	60.0	2.5	20.0	17.5	160
3	31.2	5.6	47.6	15.6	269	4	51.1	2.1	17.0	29.8	188
5	28.3	5.0	43.1	23.6	297	6	44.4	1.8	14.8	38.9	216
7—16—1—2	58.3	11.1	11.1	19.4	144	3—2	54.5	2.3	27.3	15.9	176
4	48.8	9.3	9.3	32.6	172	4	47.1	2.0	23.5	27.4	204
6	42.0	8.0	8.0	42.0	200	6	41.4	1.7	20.7	36.2	232
2—2	52.5	10.0	20.0	17.5	160	4—2	50.0	2.1	33.3	14.6	192
4	44.7	8.5	17.0	29.8	188	4	43.6	1.8	29.1	25.4	220
6	38.9	7.4	14.8	38.9	216	6	38.7	1.6	25.8	33.9	248
3—2	47.7	9.1	27.3	15.9	176	5—2	46.1	1.9	38.5	13.5	208
4	41.2	7.8	23.5	27.4	204	4	40.7	1.7	33.9	23.7	236
6	36.2	6.9	20.7	36.2	232	6	36.4	1.5	30.3	31.8	264
4—2	43.8	8.3	33.3	14.6	192	6—2	42.9	1.8	42.8	12.5	224
4	38.2	7.3	29.1	25.4	220	4	38.1	1.6	38.1	22.2	252
6	33.9	6.4	25.8	33.9	248	6	34.3	1.4	34.3	30.0	280
5—4	35.6	8.8	33.9	23.7	236	7—2	40.0	1.6	46.7	11.7	240
7—17—1—1	64.1	13.0	12.2	10.7	131	4	35.8	1.5	41.8	20.9	268
3	52.8	10.7	10.1	26.4	159	6	32.4	1.3	37.8	28.4	296
5	44.9	9.1	8.6	37.4	187	8—2	37.5	1.6	50.0	10.9	256
2—1	57.1	11.5	21.8	9.5	147	4	33.8	1.4	45.0	16.9	284
3	48.0	9.7	18.3	24.0	175	6	30.8	1.3	41.0	26.9	312
5	41.4	8.4	15.7	34.5	203	9—2	35.3	1.5	52.9	10.3	272
3—1	51.5	10.4	29.4	8.6	163	4	32.0	1.3	48.0	18.7	300
3	44.0	8.9	25.1	22.0	191	6	29.3	1.2	43.9	25.6	328
5	38.4	7.7	21.9	32.0	219	10—2	33.3	1.4	55.5	9.7	288
7—18—1—2	57.5	12.3	11.0	19.2	146	4	30.4	1.2	50.6	17.7	316
4	48.3	10.3	9.2	32.2	174	6	27.9	1.2	46.5	24.4	344
6	41.6	8.9	7.9	41.6	202	8—5—1—1	73.3	3.8	12.2	10.7	131
2—2	51.9	11.1	19.7	17.3	162	3	60.4	3.1	10.1	26.4	159
4	44.2	9.4	16.9	29.5	190	5	51.3	2.7	8.6	37.4	187
6	38.5	8.3	14.7	38.5	218	2—1	65.3	3.4	21.8	9.5	147
7—19—1—1	63.2	14.3	12.0	10.5	133	3	54.9	2.8	18.3	24.0	175
3	52.5	11.8	9.9	26.1	161	5	47.3	2.4	15.6	34.5	203
5	44.3	10.1	8.5	37.0	189	3—1	58.9	3.1	29.4	8.6	163
2—1	56.4	12.7	21.5	9.4	149	3	50.3	2.6	25.1	22.0	191
3	47.5	10.7	18.1	23.7	177	5	43.8	2.3	21.9	32.0	219
5	41.0	9.3	15.6	34.1	205	4—1	53.6	2.8	35.7	7.8	179
8—2—4—2	50.5	1.1	33.7	14.7	190	3	46.4	2.4	30.9	20.3	207
4	44.0	0.9	29.3	25.7	218	5	40.9	2.1	27.2	29.8	235
6	39.0	0.9	26.0	34.1	246	5—1	49.2	2.6	41.0	7.2	195
5—2	46.6	1.0	38.8	13.6	206	3	43.1	2.2	35.9	18.8	223
4	41.0	0.8	34.2	23.9	234	5	38.3	2.0	31.8	27.9	251
6	36.6	0.8	30.5	32.1	262	6—1	45.5	2.4	45.5	6.6	211
8—4	34.0	0.7	45.3	19.9	282	3	40.2	2.1	40.2	17.5	239
8—3—3—1	59.6	1.9	29.8	8.7	161	5	36.0	1.9	35.9	26.2	267
3	50.8	1.6	25.4	22.2	189	7—1	42.3	2.2	49.3	6.2	227
5	44.2	1.4	22.1	32.3	217	3	37.6	2.0	43.9	10.5	255
4—1	54.2	1.7	36.2	7.9	177	5	33.9	1.8	39.6	24.7	283
3	46.8	1.5	31.2	20.5	205	8—1	39.5	2.0	52.7	5.8	243
5	41.2	1.3	27.5	39.0	233	3	35.4	1.8	47.2	15.5	271
5—1	49.7	1.6	41.4	7.3	193	5	32.1	1.2	42.8	23.4	299
3	43.4	1.1	36.2	19.0	221	9—1	37.1	1.9	55.6	5.4	259
5	38.6	1.2	32.1	28.1	249	3	33.4	1.7	50.2	14.6	287
6—1	45.9	1.4	45.9	6.7	209	5	30.5	1.6	45.7	22.2	315
3	40.5	1.3	40.5	17.7	237	10—1	34.9	1.8	58.2	5.1	275
5	36.2	1.1	36.2	26.4	267	3	31.7	1.6	52.8	13.9	303
8—4—1—2	66.7	2.8	11.1	19.4	144	5	29.0	1.5	48.3	21.1	331
4	55.8	2.3	9.3	32.6	172	8—6—1—2	65.8	4.1	10.9	19.2	146

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>8—6—1—4</b>	55.1	3.4	9.2	32.2	174	<b>8—7—10—5</b>	28.8	2.1	42.1	21.0	333
<b>6</b>	47.5	3.0	7.9	41.6	202	<b>7</b>	26.6	1.9	43.3	27.1	361
<b>2—2</b>	59.3	3.7	19.7	17.3	162	<b>8—8—1—2</b>	64.8	5.4	10.8	18.9	148
<b>4</b>	50.5	3.1	16.9	29.5	190	<b>4</b>	54.5	4.5	9.1	31.8	176
<b>6</b>	44.0	2.7	14.7	38.5	218	<b>6</b>	47.1	3.9	7.8	41.2	204
<b>3—2</b>	53.9	3.4	27.0	15.7	178	<b>2—2</b>	58.5	4.9	19.5	17.1	164
<b>4</b>	46.6	2.9	23.3	27.2	206	<b>4</b>	50.0	4.2	16.6	29.2	192
<b>6</b>	41.0	2.5	20.5	35.9	234	<b>6</b>	43.6	3.6	14.5	38.2	220
<b>4—2</b>	49.5	3.1	33.0	14.4	194	<b>3—2</b>	53.3	4.4	26.7	15.5	180
<b>4</b>	43.2	2.7	28.8	25.2	222	<b>4</b>	46.2	3.8	23.1	26.9	208
<b>6</b>	38.1	2.4	25.6	33.6	250	<b>6</b>	40.7	3.4	20.3	35.6	236
<b>5—2</b>	45.7	2.9	38.1	13.3	210	<b>4—2</b>	59.0	4.1	32.6	14.3	196
<b>4</b>	40.3	2.5	33.6	23.5	238	<b>4</b>	42.9	3.5	28.6	25.0	224
<b>6</b>	36.1	2.2	30.1	31.6	266	<b>6</b>	38.1	3.2	25.4	33.3	252
<b>6—2</b>	42.5	2.6	42.5	12.4	226	<b>5—2</b>	45.3	3.8	37.7	13.2	212
<b>4</b>	37.8	2.4	37.8	22.0	254	<b>4</b>	40.0	3.3	33.3	23.3	240
<b>6</b>	34.0	2.1	34.0	29.5	282	<b>6</b>	35.8	3.0	29.8	31.3	268
<b>7—2</b>	39.6	2.5	46.3	11.6	242	<b>6—2</b>	42.1	3.5	42.1	12.3	228
<b>4</b>	35.6	2.2	41.5	20.7	270	<b>4</b>	37.5	3.1	37.5	21.9	256
<b>6</b>	32.2	2.0	37.6	28.2	298	<b>6</b>	33.8	2.8	33.8	29.6	284
<b>8—2</b>	37.2	2.3	49.6	10.9	258	<b>7—2</b>	39.3	3.3	45.9	11.5	244
<b>4</b>	33.5	2.1	44.8	19.6	286	<b>4</b>	35.3	2.9	41.2	20.6	272
<b>6</b>	30.6	1.9	40.8	26.7	314	<b>6</b>	32.0	2.7	37.3	28.0	300
<b>9—2</b>	35.0	2.2	52.5	10.2	274	<b>8—2</b>	36.9	3.1	49.2	10.8	260
<b>4</b>	31.8	2.0	47.7	18.5	302	<b>4</b>	33.3	2.8	44.4	19.4	288
<b>6</b>	29.1	1.8	43.6	25.4	330	<b>6</b>	30.4	2.5	40.5	26.6	316
<b>10—2</b>	33.1	2.1	55.2	9.6	290	<b>8—9—1—1</b>	71.1	6.7	11.8	10.4	135
<b>4</b>	30.2	1.9	50.3	17.6	318	<b>3</b>	58.9	5.5	9.8	25.8	163
<b>6</b>	27.7	1.7	46.2	24.3	346	<b>5</b>	50.3	4.7	8.4	36.6	191
<b>8—7—1—1</b>	72.2	5.3	12.0	10.5	133	<b>2—1</b>	63.6	5.9	21.2	9.3	151
<b>3</b>	59.6	4.3	9.9	26.1	161	<b>3</b>	53.6	5.0	17.9	23.5	179
<b>5</b>	50.8	3.7	8.5	37.0	189	<b>5</b>	46.4	4.3	15.4	33.8	207
<b>2—1</b>	64.4	4.7	21.5	9.4	149	<b>7</b>	40.8	3.8	13.6	41.7	235
<b>3</b>	54.2	3.9	18.1	23.7	177	<b>3—1</b>	57.5	5.4	28.7	8.4	167
<b>5</b>	46.8	3.4	15.6	34.1	205	<b>3</b>	49.2	4.6	24.6	21.5	195
<b>3—1</b>	58.2	4.2	29.1	8.5	165	<b>5</b>	43.1	4.0	21.5	31.4	223
<b>3</b>	49.7	3.6	24.9	21.7	193	<b>4—1</b>	52.4	4.9	35.0	7.6	183
<b>5</b>	43.4	3.2	21.7	31.7	221	<b>3</b>	45.5	4.3	30.3	19.9	211
<b>4—1</b>	53.9	3.9	35.4	7.7	181	<b>5</b>	40.2	3.8	26.7	29.3	239
<b>3</b>	45.9	3.3	30.6	20.1	209	<b>5—1</b>	48.2	4.5	40.2	7.0	199
<b>5</b>	40.5	2.9	27.0	29.5	237	<b>3</b>	42.3	4.0	35.2	18.5	227
<b>5—1</b>	48.7	3.5	40.6	7.1	197	<b>5</b>	37.6	3.5	31.4	27.5	255
<b>3</b>	42.6	3.1	35.6	18.6	225	<b>6—1</b>	44.6	4.2	44.0	6.5	215
<b>5</b>	37.9	2.8	31.6	27.7	253	<b>3</b>	39.5	3.7	39.5	17.3	243
<b>6—1</b>	45.1	3.3	45.1	6.5	213	<b>5</b>	35.4	3.3	35.4	25.8	271
<b>3</b>	39.5	2.9	39.8	17.4	241	<b>7—1</b>	41.6	3.9	48.5	6.0	231
<b>5</b>	35.7	2.6	35.7	26.0	269	<b>3</b>	37.1	3.5	42.2	16.2	259
<b>7</b>	32.3	2.4	32.3	33.0	297	<b>5</b>	33.1	3.1	39.0	24.4	287
<b>7—1</b>	41.0	3.1	48.9	6.1	229	<b>8—1</b>	38.9	3.6	51.8	5.7	247
<b>3</b>	37.3	2.7	43.6	16.3	257	<b>3</b>	34.9	3.3	46.5	15.3	275
<b>5</b>	33.7	2.4	39.3	24.6	285	<b>5</b>	31.7	3.0	42.2	23.1	303
<b>8—1</b>	39.2	2.8	52.2	5.7	245	<b>8—10—1—2</b>	64.0	6.7	10.7	18.6	150
<b>3</b>	35.1	2.6	46.9	15.4	273	<b>4</b>	53.9	5.6	9.0	31.5	178
<b>5</b>	31.9	2.3	42.6	23.2	301	<b>6</b>	46.6	4.8	7.8	40.8	206
<b>9—1</b>	36.8	2.7	55.2	5.3	261	<b>2—2</b>	57.8	6.0	19.3	16.9	166
<b>3</b>	33.2	2.4	49.8	14.5	289	<b>4</b>	49.5	5.1	16.5	28.9	194
<b>5</b>	30.3	2.2	45.4	22.1	317	<b>6</b>	43.2	4.5	14.4	37.8	222
<b>10—1</b>	34.7	2.5	57.8	5.0	277	<b>3—2</b>	52.7	5.5	26.4	15.4	182
<b>3</b>	31.5	2.3	52.4	13.8	305	<b>4</b>	45.7	4.8	22.7	26.7	210

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>8—10—3—6</b>	40,3	4,2	20,2	35,3	238	<b>8—12—7—4</b>	34,8	4,3	40,6	20,3	276
<b>4—2</b>	48,5	5,0	32,3	14,1	198	<b>6</b>	31,6	3,9	36,8	27,6	304
<b>4</b>	42,5	4,4	28,3	24,8	226	<b>8—2</b>	36,4	4,5	48,5	10,6	264
<b>6</b>	37,8	3,9	25,2	33,1	254	<b>4</b>	32,9	4,1	43,5	19,2	292
<b>5—2</b>	44,8	4,7	37,4	13,1	214	<b>6</b>	30,0	3,7	40,0	26,3	320
<b>4</b>	39,7	4,1	33,1	23,1	242	<b>9—2</b>	34,3	4,3	51,3	10,0	280
<b>6</b>	35,5	3,7	29,6	31,1	270	<b>4</b>	31,2	3,9	46,7	18,2	308
<b>8—2</b>	41,7	4,3	41,7	12,2	230	<b>6</b>	28,6	3,6	42,8	25,0	336
<b>4</b>	37,2	3,9	37,2	21,7	258	<b>10—2</b>	32,4	4,0	54,0	9,5	296
<b>6</b>	33,5	3,5	33,6	29,4	286	<b>4</b>	29,6	3,7	49,4	17,3	324
<b>7—2</b>	39,0	4,1	45,5	11,4	246	<b>6</b>	27,3	3,4	45,4	23,9	352
<b>4</b>	35,0	3,6	40,9	20,7	274	<b>8—13—1—1</b>	69,1	9,3	11,5	10,1	139
<b>6</b>	31,8	3,3	37,1	27,8	302	<b>3</b>	57,5	7,8	9,6	25,1	167
<b>8—2</b>	36,6	3,8	48,8	10,7	262	<b>5</b>	49,2	6,7	8,2	35,9	195
<b>4</b>	33,1	3,4	44,1	19,3	290	<b>2—1</b>	61,9	8,4	20,7	9,0	155
<b>6</b>	30,2	3,1	40,2	26,4	318	<b>3</b>	52,4	7,1	17,5	23,0	183
<b>8—11—1—1</b>	70,1	8,0	11,7	10,2	137	<b>5</b>	45,5	6,1	15,2	33,2	211
<b>3</b>	58,2	6,7	9,7	25,4	165	<b>3—1</b>	56,1	7,6	28,1	8,2	171
<b>5</b>	49,7	5,7	8,2	36,3	193	<b>3</b>	48,2	6,5	24,1	21,2	199
<b>2—1</b>	62,7	7,2	20,9	9,2	153	<b>5</b>	42,3	5,7	21,1	30,8	227
<b>3</b>	53,0	6,1	17,7	23,2	181	<b>4—1</b>	51,3	7,0	34,2	7,5	187
<b>5</b>	45,9	5,3	15,3	33,5	209	<b>3</b>	44,6	6,0	29,8	19,5	215
<b>3—1</b>	56,8	6,5	28,4	8,3	169	<b>5</b>	39,5	5,3	26,3	28,8	243
<b>3</b>	48,7	5,6	24,4	21,3	197	<b>5—1</b>	47,3	6,4	39,4	6,9	203
<b>5</b>	42,7	4,9	21,3	31,1	225	<b>3</b>	41,6	5,6	34,6	18,2	231
<b>4—1</b>	51,9	5,9	34,6	7,6	185	<b>5</b>	37,1	5,0	30,9	27,0	259
<b>3</b>	45,1	5,2	30,0	19,7	213	<b>6—1</b>	43,8	5,9	43,8	6,4	219
<b>5</b>	39,8	4,6	26,5	20,0	241	<b>3</b>	38,9	5,2	38,9	17,0	247
<b>5—1</b>	47,7	5,5	39,5	7,0	201	<b>5</b>	34,9	4,7	34,9	25,4	275
<b>3</b>	41,9	4,8	34,9	18,3	229	<b>7—1</b>	40,8	5,5	47,6	6,0	235
<b>5</b>	37,3	4,3	31,1	27,2	257	<b>3</b>	36,5	4,9	42,6	16,0	263
<b>6—1</b>	44,2	5,1	44,2	6,4	217	<b>5</b>	33,0	4,5	38,5	24,0	291
<b>3</b>	39,2	4,5	39,2	17,1	245	<b>8—1</b>	38,2	5,2	41,0	5,6	251
<b>5</b>	35,2	4,0	35,2	25,6	273	<b>3</b>	34,4	4,7	45,9	15,0	279
<b>7—1</b>	41,2	4,7	48,1	6,0	233	<b>5</b>	31,3	4,2	41,7	22,8	307
<b>3</b>	36,8	4,2	42,9	16,1	261	<b>8—14—1—2</b>	62,3	9,1	10,4	18,2	154
<b>5</b>	33,2	3,8	38,8	24,2	289	<b>4</b>	52,7	7,7	8,8	30,8	182
<b>8—1</b>	38,5	4,4	51,4	5,6	249	<b>6</b>	45,7	6,7	7,6	40,0	210
<b>3</b>	34,6	4,0	46,2	15,2	277	<b>2—2</b>	56,4	8,2	18,8	16,5	170
<b>5</b>	31,5	3,6	42,0	22,9	305	<b>4</b>	48,5	6,1	16,1	28,3	198
<b>8—12—1—2</b>	63,2	7,9	10,5	18,4	152	<b>6</b>	42,5	6,2	14,1	37,2	226
<b>4</b>	53,3	6,7	8,9	31,1	180	<b>3—2</b>	51,6	7,5	25,8	15,1	186
<b>6</b>	46,1	5,8	7,7	40,4	208	<b>4</b>	44,9	6,5	22,4	26,2	214
<b>2—2</b>	57,1	7,1	19,0	16,7	168	<b>6</b>	39,7	5,8	19,8	34,7	242
<b>4</b>	49,0	6,1	16,3	28,6	196	<b>4—2</b>	47,5	6,9	31,7	13,8	202
<b>6</b>	42,8	5,4	14,3	37,5	224	<b>4</b>	41,7	6,1	27,8	24,4	230
<b>3—2</b>	52,2	6,5	26,1	25,2	184	<b>6</b>	37,2	5,4	24,8	32,6	258
<b>4</b>	45,3	5,7	22,6	26,4	212	<b>5—2</b>	44,0	6,4	36,7	12,8	218
<b>6</b>	40,0	5,0	20,0	35,0	240	<b>4</b>	39,0	5,7	32,5	12,8	246
<b>4—2</b>	48,0	6,0	32,0	14,0	200	<b>6</b>	35,0	5,1	29,2	30,7	274
<b>4</b>	42,1	5,2	28,1	24,6	228	<b>6—2</b>	41,0	6,0	41,0	12,0	234
<b>6</b>	37,5	4,7	25,0	32,8	256	<b>4</b>	36,7	5,3	36,7	21,3	262
<b>5—2</b>	44,4	5,5	37,0	13,0	216	<b>6</b>	33,1	4,8	33,1	29,0	290
<b>4</b>	39,3	4,9	32,8	23,0	244	<b>7—2</b>	38,4	5,6	44,8	11,2	250
<b>6</b>	35,3	4,4	29,4	30,9	272	<b>4</b>	34,5	5,0	40,3	20,1	278
<b>8—2</b>	41,4	5,2	41,4	12,0	232	<b>6</b>	31,4	4,6	36,3	27,4	306
<b>4</b>	36,9	4,6	36,9	21,6	260	<b>8—2</b>	36,1	5,2	48,1	10,5	266
<b>6</b>	33,3	4,2	33,3	29,2	288	<b>4</b>	32,6	4,8	43,6	19,0	294
<b>7—2</b>	38,9	4,8	45,1	11,3	248	<b>6</b>	29,8	4,3	39,8	26,1	322

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>8-15-1-1</b>	68.1	10.6	11.3	9.9	141	<b>8-17-4-5</b>	38.9	6.9	25.9	28.3	247
3	56.8	8.9	9.5	24.8	169	<b>5-1</b>	46.4	8.2	38.6	6.8	207
<b>5</b>	48.7	7.6	8.1	35.5	197	<b>3</b>	40.9	7.2	34.0	17.9	235
<b>2-1</b>	61.1	9.6	20.4	8.9	157	<b>5</b>	36.5	6.5	30.4	20.6	263
3	51.9	8.1	17.3	22.7	185	<b>8-18-1-2</b>	60.8	11.4	10.1	17.7	158
<b>5</b>	45.1	7.0	15.0	32.9	213	<b>4</b>	51.6	9.7	8.6	30.1	186
<b>3-1</b>	55.5	8.7	27.7	8.1	173	<b>6</b>	44.9	8.4	7.5	39.2	214
3	47.7	7.5	23.9	20.9	201	<b>2-2</b>	55.2	10.3	18.4	16.1	174
<b>5</b>	41.9	6.5	21.0	30.6	229	<b>4</b>	47.5	8.9	15.8	27.7	202
<b>4-1</b>	50.8	7.9	33.9	7.4	189	<b>6</b>	41.7	7.8	13.9	36.5	230
3	44.2	6.9	29.5	19.4	217	<b>3-2</b>	50.5	9.5	25.3	14.7	190
<b>5</b>	36.2	6.1	26.1	28.6	245	<b>4</b>	44.0	8.3	22.0	25.7	218
<b>5-1</b>	46.8	7.3	39.0	6.8	205	<b>6</b>	39.0	7.3	19.5	34.1	246
3	41.2	6.4	34.3	18.0	233	<b>8-19-1-1</b>	66.2	13.1	11.0	9.7	145
<b>5</b>	36.8	5.7	30.6	26.8	261	<b>3</b>	55.5	11.0	9.2	24.3	173
<b>6-1</b>	43.4	6.8	43.4	6.3	221	<b>5</b>	47.8	9.4	8.0	34.8	201
3	38.5	6.0	38.5	16.9	249	<b>2-1</b>	59.6	11.8	19.9	8.7	161
<b>5</b>	34.6	5.4	34.6	25.3	277	<b>3</b>	50.8	10.0	16.9	22.2	189
<b>7-1</b>	40.5	6.3	47.2	5.9	237	<b>5</b>	44.2	8.8	14.7	32.3	217
3	36.2	5.7	41.3	15.8	265	<b>3-1</b>	54.2	10.7	27.1	7.9	177
<b>5</b>	32.8	5.1	38.2	23.9	293	<b>3</b>	46.8	9.3	23.4	20.5	205
<b>8-1</b>	37.9	5.9	50.6	5.5	253	<b>5</b>	41.2	8.2	20.6	30.0	233
3	34.2	5.3	45.6	14.9	281	<b>4-7</b>	34.7	6.8	23.1	35.4	277
<b>5</b>	31.1	4.8	41.4	22.6	309	<b>8-20-3-2</b>	50.0	10.4	25.0	14.6	192
<b>9-1</b>	35.7	5.6	53.5	5.2	269	<b>8-21-1-1</b>	65.3	14.3	10.9	9.5	147
3	32.3	5.0	48.5	14.1	297	<b>5-3</b>	45.5	10.0	37.9	6.6	211
<b>5</b>	29.5	4.6	44.3	21.5	325	<b>8-24-2-2</b>	53.3	13.3	17.8	15.5	180
<b>8-16-1-2</b>	61.0	10.2	10.2	17.9	156	<b>9-3-9-3</b>	36.3	1.0	48.5	14.1	297
4	52.2	8.7	8.7	30.4	184	<b>8-4-3-2</b>	57.4	2.1	25.5	14.9	188
<b>6</b>	45.3	7.5	7.5	39.6	212	<b>6-4</b>	40.9	1.5	36.4	21.2	264
<b>2-2</b>	55.8	9.3	18.6	16.3	172	<b>8-4</b>	36.5	1.4	43.2	18.9	296
4	48.0	8.0	16.0	28.0	200	<b>9-5-1-1</b>	75.5	3.5	11.2	9.8	143
<b>6</b>	42.1	7.0	14.0	36.8	228	<b>3</b>	63.2	2.9	9.4	24.5	171
<b>3-2</b>	51.1	8.5	25.5	14.9	188	<b>5</b>	54.3	2.5	8.0	35.2	199
4	44.4	7.4	22.5	25.9	216	<b>2-1</b>	67.9	3.1	20.1	8.8	159
<b>6</b>	39.3	6.6	19.7	34.4	244	<b>3</b>	57.8	2.7	17.1	22.4	187
<b>4-2</b>	47.1	7.8	31.4	13.7	204	<b>5</b>	50.2	2.3	14.9	32.6	215
4	41.4	6.9	27.6	24.1	232	<b>3-1</b>	61.7	2.9	27.4	8.0	175
<b>6</b>	36.9	6.1	24.6	32.3	260	<b>3</b>	53.2	2.5	23.6	20.7	203
<b>5-2</b>	43.6	7.3	36.3	12.7	220	<b>5</b>	46.8	2.1	20.8	30.3	231
4	38.7	6.4	32.2	22.6	248	<b>4-1</b>	56.6	2.6	33.5	7.3	191
<b>6</b>	34.8	5.8	29.0	30.4	276	<b>3</b>	49.3	2.3	29.2	19.2	219
<b>6-2</b>	40.7	6.8	40.7	11.8	236	<b>5</b>	43.7	2.0	25.9	28.3	247
4	36.4	6.0	36.4	21.2	264	<b>5-1</b>	52.2	2.4	38.6	6.8	207
<b>6</b>	32.9	5.4	32.9	28.8	292	<b>3</b>	45.9	2.1	34.0	17.9	235
<b>7-2</b>	38.1	6.3	44.4	11.1	252	<b>5</b>	41.1	1.9	30.4	26.6	263
4	34.3	5.7	40.0	20.0	280	<b>6-1</b>	48.4	2.2	43.0	6.3	223
<b>6</b>	31.2	5.2	36.3	27.3	308	<b>3</b>	43.0	2.0	38.3	16.7	251
<b>8-17-1-1</b>	67.1	11.9	11.2	9.8	143	<b>5</b>	38.7	1.8	34.4	25.1	279
3	56.1	9.9	9.3	24.6	171	<b>7-1</b>	45.2	2.1	46.9	5.8	239
<b>5</b>	48.2	8.5	8.0	35.2	199	<b>3</b>	40.4	1.9	41.9	15.7	267
<b>2-1</b>	60.4	10.7	20.1	8.8	159	<b>5</b>	36.6	1.7	38.0	23.7	295
3	51.3	9.1	17.1	22.5	187	<b>8-1</b>	42.3	2.0	50.2	5.5	255
<b>5</b>	44.6	7.9	14.9	32.6	215	<b>3</b>	38.2	1.8	45.2	14.8	283
<b>3-1</b>	54.9	9.7	27.4	7.9	175	<b>5</b>	34.7	1.6	41.2	22.5	311
3	47.3	8.4	23.6	20.7	203	<b>4</b>	58.0	3.2	8.6	30.1	186
<b>5</b>	41.6	7.3	20.8	30.3	231	<b>6</b>	50.5	2.8	7.5	39.2	214
<b>4-1</b>	50.3	8.9	33.5	7.3	191	<b>2-2</b>	62.1	3.4	18.4	16.1	174
3	43.8	7.8	29.2	19.2	219						

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>9—6—2—4</b>	53.5	3.0	15.8	27.7	202	<b>9—8—6—2</b>	45.0	3.3	40.0	11.7	240
<b>6</b>	47.0	2.6	13.9	36.5	230	<b>4</b>	40.3	3.0	35.8	20.9	268
<b>3—2</b>	56.8	3.2	25.3	14.7	190	<b>6</b>	36.5	2.7	32.4	28.4	296
<b>4</b>	49.5	2.7	22.0	25.7	218	<b>7—2</b>	42.2	3.1	43.7	10.9	256
<b>6</b>	43.9	2.4	19.5	34.2	246	<b>4</b>	38.0	2.8	39.4	19.7	284
<b>4—2</b>	52.4	2.9	31.1	13.6	206	<b>6</b>	34.6	2.6	35.9	26.9	312
<b>4</b>	46.2	2.6	27.3	23.9	234	<b>8—2</b>	39.7	2.9	47.1	10.3	272
<b>6</b>	41.2	2.3	24.4	32.1	262	<b>4</b>	36.0	2.7	42.7	18.6	300
<b>5—2</b>	48.6	2.7	36.0	12.6	222	<b>6</b>	32.9	2.4	39.0	25.6	328
<b>4</b>	43.2	2.4	32.0	22.4	250	<b>9—2</b>	37.5	2.8	50.0	9.7	288
<b>6</b>	38.8	2.2	28.8	30.2	278	<b>4</b>	34.2	2.5	45.6	17.7	316
<b>6—2</b>	45.4	2.5	40.3	11.8	238	<b>6</b>	31.4	2.3	41.9	24.4	344
<b>4</b>	40.6	2.3	36.1	21.0	266	<b>10—2</b>	35.5	2.6	52.6	9.2	304
<b>6</b>	36.7	2.0	32.7	28.6	294	<b>4</b>	32.5	2.4	48.2	16.8	332
<b>7—2</b>	42.5	2.4	44.1	11.0	254	<b>6</b>	30.0	2.2	44.4	23.3	360
<b>4</b>	38.3	2.1	39.7	19.9	282	<b>9—9—1—1</b>	73.5	6.1	10.9	9.5	147
<b>6</b>	34.8	1.9	36.1	27.1	310	<b>3</b>	61.7	5.1	9.1	24.0	175
<b>8—2</b>	40.0	2.2	47.4	10.4	270	<b>5</b>	53.2	4.4	7.0	34.5	203
<b>4</b>	36.2	2.0	42.9	18.8	298	<b>2—1</b>	66.3	5.5	19.6	8.6	163
<b>6</b>	33.1	1.8	39.3	25.8	326	<b>3</b>	56.6	4.7	16.7	22.0	191
<b>9—7—1—1</b>	74.5	4.8	11.0	9.7	145	<b>5</b>	49.3	4.1	14.6	32.0	219
<b>3</b>	62.4	4.0	9.2	24.3	173	<b>3—1</b>	60.3	5.0	26.8	7.8	179
<b>5</b>	53.7	3.5	8.0	34.8	201	<b>3</b>	52.2	4.3	23.2	20.3	207
<b>2—1</b>	67.1	4.3	19.9	8.7	161	<b>5</b>	45.9	3.8	20.4	20.8	235
<b>3</b>	57.1	3.7	16.9	22.2	189	<b>4—1</b>	55.4	4.6	32.8	7.2	195
<b>5</b>	49.8	3.2	14.7	32.3	217	<b>3</b>	48.4	4.0	28.7	18.8	223
<b>3—1</b>	61.0	3.9	27.1	7.9	177	<b>5</b>	43.0	3.6	35.5	27.0	251
<b>3</b>	52.7	3.4	23.4	20.5	205	<b>5—1</b>	51.2	4.3	37.9	6.6	211
<b>5</b>	46.3	3.0	20.6	30.0	233	<b>3</b>	45.2	3.7	33.5	17.6	239
<b>4—1</b>	56.0	3.6	33.2	7.2	193	<b>5</b>	40.4	3.4	30.0	26.2	267
<b>3</b>	48.9	3.2	28.9	19.0	221	<b>6—1</b>	47.6	3.9	42.3	6.2	227
<b>5</b>	43.4	2.8	25.7	28.1	249	<b>3</b>	42.3	3.5	37.6	16.5	255
<b>5—1</b>	51.7	3.3	38.3	6.7	209	<b>5</b>	38.2	3.2	33.9	24.7	283
<b>3</b>	45.6	2.9	33.7	17.7	237	<b>7—1</b>	44.4	3.7	46.1	5.8	243
<b>5</b>	40.8	2.6	30.2	26.4	265	<b>3</b>	39.8	3.3	41.3	15.5	271
<b>6—1</b>	48.0	3.1	42.7	6.2	225	<b>5</b>	36.1	3.0	37.4	23.4	299
<b>3</b>	42.7	2.8	37.9	16.6	253	<b>8—1</b>	41.7	3.5	49.4	5.4	259
<b>5</b>	38.4	2.5	34.2	24.9	281	<b>3</b>	37.6	3.1	44.6	14.6	287
<b>7—1</b>	44.8	2.9	46.5	5.8	241	<b>5</b>	34.3	2.8	40.6	22.2	315
<b>3</b>	40.1	2.6	41.6	15.6	269	<b>9—3</b>	35.6	3.0	47.5	13.9	303
<b>5</b>	36.4	2.4	37.6	23.6	297	<b>9—10—1—2</b>	66.7	6.1	9.9	17.3	162
<b>8—1</b>	42.0	2.7	49.8	5.5	257	<b>4</b>	56.9	5.3	8.4	29.5	190
<b>3</b>	37.9	2.5	44.9	14.7	285	<b>6</b>	49.5	4.6	7.3	38.5	218
<b>5</b>	34.5	2.2	40.9	22.4	313	<b>2—2</b>	60.7	5.6	18.0	15.7	178
<b>9—8—1—2</b>	67.5	5.0	10.0	17.5	160	<b>4</b>	52.4	4.8	15.5	27.2	206
<b>4</b>	57.4	4.3	8.5	29.8	188	<b>6</b>	46.1	4.3	13.7	35.9	234
<b>6</b>	50.0	3.7	7.4	38.9	216	<b>3—2</b>	55.7	5.1	24.7	14.4	194
<b>2—2</b>	61.3	4.5	18.2	15.9	176	<b>4</b>	48.6	4.5	21.6	25.2	222
<b>4</b>	52.9	3.9	15.7	27.5	204	<b>6</b>	43.2	4.0	19.2	33.6	250
<b>6</b>	46.5	3.4	13.8	36.2	232	<b>4—2</b>	51.4	4.8	30.5	13.3	210
<b>3—2</b>	56.3	4.1	25.0	14.6	192	<b>4</b>	45.4	4.2	26.9	23.5	238
<b>4</b>	49.1	3.6	21.8	25.4	220	<b>6</b>	40.6	3.7	24.1	31.6	266
<b>6</b>	43.5	3.2	19.3	33.9	248	<b>5—2</b>	47.8	4.4	35.4	12.4	226
<b>4—2</b>	51.9	3.8	30.8	13.5	208	<b>4</b>	42.5	3.9	31.5	22.0	254
<b>4</b>	45.8	3.4	27.1	23.7	236	<b>6</b>	38.3	3.5	28.4	29.8	282
<b>6</b>	40.9	3.0	24.2	31.8	264	<b>6—2</b>	44.5	4.1	39.7	11.6	242
<b>5—2</b>	48.2	3.6	35.7	12.5	224	<b>4</b>	40.0	3.8	35.5	20.7	270
<b>4</b>	42.8	3.2	31.7	22.2	252	<b>6</b>	36.2	3.3	32.2	28.2	298
<b>6</b>	38.6	2.8	28.6	30.0	280	<b>7—2</b>	41.9	3.9	43.4	10.8	258

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>9—10—7—4</b>	37.8	3.5	39.1	19.6	286	<b>9—13—2—5</b>	48.4	5.8	14.3	31.4	223
6	34.4	3.2	35.7	26.7	314	<b>3—1</b>	59.0	7.1	26.2	7.6	183
<b>8—2</b>	39.4	3.6	46.7	10.2	274	<b>3</b>	51.2	6.2	22.7	19.9	211
4	35.8	3.3	42.4	18.5	302	<b>5</b>	45.2	5.4	20.1	29.3	239
6	32.7	3.0	38.8	25.4	330	<b>4—1</b>	54.2	6.6	32.2	7.0	199
<b>9—11—1—1</b>	72.5	7.4	10.7	9.4	149	<b>3</b>	47.6	5.7	28.2	18.5	227
3	61.0	6.2	9.0	23.7	177	<b>5</b>	42.4	5.1	25.1	27.4	255
5	52.7	5.3	7.8	34.1	205	<b>5—1</b>	50.2	6.0	37.2	6.5	215
<b>2—1</b>	65.5	6.6	19.4	8.5	165	<b>3</b>	44.4	5.3	32.9	17.3	243
3	55.9	5.7	16.6	21.7	193	<b>5</b>	39.8	4.8	29.5	25.8	271
5	48.8	5.0	14.5	31.7	221	<b>6—1</b>	46.7	5.6	41.6	6.1	231
7	43.4	4.4	12.9	39.3	249	<b>3</b>	41.7	5.0	37.1	16.2	259
<b>3—1</b>	59.7	6.1	26.5	7.7	181	<b>5</b>	37.6	4.5	33.4	24.4	287
3	51.7	5.3	22.8	20.1	209	<b>7</b>	34.3	4.1	30.5	31.1	315
5	45.6	4.6	20.2	29.5	237	<b>7—1</b>	43.7	5.3	45.3	5.7	247
<b>4—1</b>	54.8	5.6	32.5	7.1	197	<b>3</b>	39.3	4.7	40.7	15.3	275
3	48.0	4.9	28.4	18.7	225	<b>5</b>	35.6	4.3	36.9	23.1	303
5	42.7	4.3	25.3	27.7	253	<b>8—1</b>	41.1	4.9	48.7	5.3	263
<b>5—1</b>	50.7	5.1	37.6	6.6	213	<b>3</b>	37.1	4.5	44.0	14.4	291
3	44.8	4.5	33.2	17.4	241	<b>5</b>	33.8	4.1	40.1	21.9	319
5	40.1	4.1	29.7	26.0	269	<b>9—1</b>	38.7	4.7	51.6	5.0	279
<b>6—1</b>	47.2	4.8	41.9	6.1	229	<b>9—14—1—2</b>	65.1	8.4	9.6	16.9	166
3	42.0	4.0	37.3	16.3	257	<b>4</b>	55.7	7.2	8.2	28.9	194
5	37.9	3.8	33.7	24.6	285	<b>6</b>	48.6	6.3	7.2	37.5	222
<b>7—1</b>	44.1	4.5	45.7	5.7	245	<b>2—2</b>	59.3	7.7	17.6	15.4	182
3	39.6	4.0	41.0	15.4	273	<b>4</b>	51.4	7.7	15.2	26.7	210
5	35.9	3.6	37.2	23.2	301	<b>6</b>	45.4	5.9	13.4	33.3	238
<b>8—1</b>	41.4	4.2	49.0	5.1	261	<b>3—2</b>	54.5	7.1	24.2	14.1	198
3	37.4	3.8	44.3	14.5	289	<b>4</b>	47.8	6.2	21.1	24.8	226
5	34.1	3.4	40.4	22.1	317	<b>6</b>	42.5	5.5	18.9	33.1	254
<b>9—12—1—2</b>	65.8	7.3	9.7	17.1	164	<b>4—2</b>	50.5	6.5	29.9	13.1	214
4	56.3	6.2	8.3	29.2	192	<b>4</b>	44.6	5.8	26.4	23.1	242
6	49.1	5.4	7.3	38.2	220	<b>6</b>	40.0	5.2	23.7	31.1	270
<b>2—2</b>	60.0	6.7	17.5	15.5	180	<b>5—2</b>	46.9	6.1	34.8	12.2	230
4	51.9	5.8	15.4	26.9	208	<b>4</b>	41.9	5.4	31.0	21.7	258
6	45.8	5.1	13.5	35.6	236	<b>6</b>	37.7	4.9	28.0	29.4	286
<b>3—2</b>	55.1	6.1	24.5	14.3	196	<b>6—2</b>	43.9	5.7	39.0	11.4	246
4	48.2	5.3	21.4	25.0	224	<b>4</b>	39.4	5.1	35.0	20.4	274
6	42.9	4.8	19.0	33.3	252	<b>6</b>	35.7	4.6	31.8	27.8	302
<b>4—2</b>	50.9	5.7	30.2	13.2	212	<b>7—2</b>	41.2	5.3	42.7	10.7	262
4	45.0	5.0	26.7	23.3	240	<b>4</b>	37.2	4.8	38.6	19.3	290
6	40.3	4.5	23.9	31.3	268	<b>6</b>	33.9	4.4	35.2	26.4	318
<b>5—2</b>	47.4	5.2	35.1	12.3	222	<b>8—2</b>	38.8	5.0	46.0	10.1	278
4	42.2	4.7	31.2	21.9	256	<b>4</b>	35.3	4.6	41.8	18.3	306
6	38.0	4.2	28.2	29.6	284	<b>6</b>	32.3	4.2	38.3	25.1	334
<b>6—2</b>	44.3	4.9	39.3	11.5	244	<b>9—15—1—1</b>	70.6	9.8	10.4	9.1	153
4	39.7	4.4	35.3	20.6	272	<b>3</b>	59.7	8.3	8.8	23.2	181
6	36.0	4.0	32.0	28.0	300	<b>5</b>	51.7	7.2	7.6	33.5	209
<b>7—2</b>	41.5	4.6	43.1	10.8	260	<b>2—1</b>	63.9	8.9	18.9	8.3	169
4	37.5	4.2	38.9	19.4	288	<b>3</b>	54.8	7.6	16.2	21.3	197
6	34.2	3.8	35.4	26.6	316	<b>5</b>	48.0	6.7	14.2	31.1	225
<b>8—2</b>	39.1	4.3	46.4	10.1	276	<b>3—1</b>	58.4	8.1	25.9	7.6	185
4	35.5	3.9	42.1	18.4	304	<b>3</b>	50.7	7.0	22.5	19.7	213
6	32.5	3.6	38.5	25.3	332	<b>5</b>	44.8	6.2	19.9	29.0	241
<b>9—13—1—1</b>	71.5	8.6	10.6	9.5	151	<b>4—1</b>	53.7	7.5	31.8	7.0	201
3	60.3	7.3	8.9	23.5	179	<b>3</b>	47.2	6.5	27.9	18.3	229
5	52.2	6.3	7.7	33.8	207	<b>5</b>	42.0	5.8	24.9	27.2	257
<b>2—1</b>	64.7	7.8	19.1	8.4	167	<b>5—1</b>	49.8	6.9	36.8	6.4	217
3	55.4	6.7	16.4	21.5	195	<b>3</b>	44.1	6.1	32.7	17.1	245

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>9—15—5—5</b>	39.6	5.5	29.3	25.6	273	<b>9—18—4—6</b>	39.4	6.6	23.3	30.7	274
<b>6—1</b>	46.4	6.4	41.2	6.0	233	<b>5—2</b>	46.1	7.7	34.2	12.0	234
<b>3</b>	41.4	5.7	36.8	16.1	261	<b>4</b>	41.2	6.9	30.5	21.4	262
<b>5</b>	37.4	5.2	33.2	24.2	289	<b>6</b>	37.2	6.2	27.6	29.0	290
<b>7</b>	34.1	4.7	30.3	30.9	317	<b>6—2</b>	43.2	7.2	38.4	11.2	250
<b>9—16—1—2</b>	64.3	9.5	9.5	16.7	168	<b>9—19—1—1</b>	68.8	12.1	10.2	8.9	157
<b>4</b>	55.1	8.2	8.2	28.5	206	<b>3</b>	58.4	10.3	8.6	22.7	185
<b>6</b>	48.2	7.1	7.1	37.5	224	<b>5</b>	50.7	8.9	7.5	32.9	213
<b>2—2</b>	58.7	8.7	17.4	15.2	184	<b>2—1</b>	62.4	11.0	18.5	8.1	173
<b>4</b>	50.9	7.5	15.1	26.4	212	<b>3</b>	53.7	9.4	15.9	20.8	201
<b>6</b>	45.0	6.7	13.3	35.9	240	<b>5</b>	47.1	8.3	14.0	36.9	229
<b>3—2</b>	54.0	8.0	24.0	14.0	200	<b>3—1</b>	57.1	10.0	25.4	7.4	189
<b>4</b>	47.4	7.0	21.0	24.6	228	<b>3</b>	49.8	8.7	22.1	19.3	217
<b>6</b>	42.2	6.2	18.7	32.8	256	<b>5</b>	44.1	7.7	19.6	28.6	245
<b>4—2</b>	50.0	7.4	29.6	13.0	216	<b>4—1</b>	52.7	9.3	31.2	6.8	205
<b>4</b>	44.3	6.5	26.2	22.9	244	<b>3</b>	46.3	8.1	27.5	18.0	233
<b>6</b>	39.7	5.9	23.5	30.9	272	<b>5</b>	31.3	7.3	24.5	26.8	261
<b>5—2</b>	46.5	6.9	34.5	12.1	232	<b>9—20—1—2</b>	62.8	11.6	9.3	16.3	172
<b>4</b>	41.5	6.1	30.8	21.5	260	<b>4</b>	54.0	10.0	8.0	28.0	200
<b>6</b>	37.5	5.5	27.8	29.2	288	<b>6</b>	47.4	8.8	7.0	36.8	228
<b>6—2</b>	43.5	6.4	38.7	11.3	248	<b>2—2</b>	57.4	10.6	17.0	14.9	188
<b>4</b>	39.1	5.8	34.8	20.3	276	<b>4</b>	50.0	9.3	13.8	25.9	216
<b>6</b>	35.5	5.3	31.6	27.6	304	<b>6</b>	44.3	8.2	13.1	34.4	244
<b>7—2</b>	40.9	6.1	42.4	10.6	264	<b>3—2</b>	52.9	9.8	23.5	13.7	204
<b>4</b>	37.0	5.5	38.3	19.2	292	<b>4</b>	46.5	8.6	20.7	24.1	232
<b>6</b>	33.7	5.0	35.0	26.2	320	<b>6</b>	41.5	7.7	18.5	32.3	260
<b>8—2</b>	38.6	5.7	45.7	10.0	280	<b>9—21—1—1</b>	67.9	13.2	10.1	8.8	159
<b>4</b>	35.1	5.2	41.5	18.2	308	<b>3</b>	57.7	11.2	8.6	22.5	187
<b>6</b>	32.1	4.8	38.1	25.0	336	<b>5</b>	50.2	9.8	7.4	32.6	215
<b>13—2</b>	30.0	4.4	57.8	7.8	360	<b>2—1</b>	61.7	12.0	18.3	8.0	175
<b>9—17—1—1</b>	69.7	11.0	10.3	9.0	155	<b>3</b>	53.2	10.3	15.8	20.7	203
<b>3</b>	59.0	9.3	8.7	22.9	183	<b>5</b>	46.8	9.1	13.8	30.3	231
<b>5</b>	51.2	8.0	7.6	33.2	211	<b>3—1</b>	56.5	11.0	25.1	7.3	191
<b>2—1</b>	63.2	9.9	18.7	8.2	171	<b>3</b>	49.3	9.6	21.9	19.2	219
<b>3</b>	54.3	8.5	16.1	21.1	199	<b>5</b>	43.7	8.5	19.4	28.3	247
<b>5</b>	47.6	7.5	14.1	30.8	227	<b>9—22—1—2</b>	62.0	12.6	9.2	16.1	174
<b>3—1</b>	57.7	9.1	25.7	7.5	187	<b>4</b>	53.5	10.9	7.9	27.7	202
<b>3</b>	50.2	7.9	22.3	19.5	215	<b>6</b>	47.0	9.6	6.9	36.5	230
<b>5</b>	44.4	7.0	19.7	28.8	243	<b>2—2</b>	56.9	11.6	16.8	14.7	190
<b>4—1</b>	53.2	8.4	31.5	6.9	203	<b>4</b>	49.5	10.1	14.7	25.7	218
<b>3</b>	46.8	7.3	27.7	18.2	231	<b>6</b>	43.9	8.9	13.0	34.1	246
<b>5</b>	41.7	6.5	24.7	27.0	259	<b>3—2</b>	52.4	10.7	23.3	13.5	206
<b>5—1</b>	49.3	7.8	36.5	6.4	219	<b>4</b>	46.1	9.4	20.5	23.9	234
<b>3</b>	43.7	6.9	32.4	17.0	247	<b>6</b>	41.2	8.4	18.3	32.1	262
<b>5</b>	39.3	6.2	29.1	25.4	275	<b>9—23—1—1</b>	67.1	14.3	9.9	8.7	161
<b>C—1</b>	45.9	7.2	40.8	6.0	235	<b>3</b>	57.1	12.2	8.5	22.1	189
<b>3</b>	41.1	6.5	36.5	15.9	263	<b>5</b>	49.7	10.6	7.4	32.3	217
<b>5</b>	37.1	5.8	33.0	24.0	291	<b>2—1</b>	61.0	13.0	18.1	7.9	177
<b>9—18—1—2</b>	63.5	10.6	9.4	16.5	170	<b>3</b>	52.7	11.2	15.6	20.5	205
<b>4</b>	54.5	9.1	8.1	28.3	198	<b>5</b>	46.3	9.9	13.7	30.0	233
<b>6</b>	47.8	8.0	7.1	37.1	226	<b>3—1</b>	55.9	11.9	24.9	7.2	193
<b>2—2</b>	58.0	9.7	17.2	15.0	186	<b>3</b>	48.9	10.4	21.7	19.0	221
<b>4</b>	50.5	8.4	14.9	26.2	214	<b>5</b>	43.4	9.2	19.3	28.1	249
<b>6</b>	44.6	7.4	13.2	34.7	242	<b>10—3—8—5</b>	37.4	0.9	39.9	21.8	321
<b>3—2</b>	53.5	8.9	23.8	13.8	202	<b>9—5</b>	35.6	0.9	42.7	20.8	337
<b>4</b>	47.0	7.8	20.9	24.3	230	<b>10—4—3—2</b>	60.0	2.0	24.0	14.0	200
<b>6</b>	41.9	7.0	18.6	32.5	258	<b>4—2</b>	55.6	1.8	29.6	13.0	216
<b>4—2</b>	49.5	8.2	29.3	12.8	218	<b>6—2</b>	48.4	1.6	38.7	11.3	248
<b>4</b>	43.9	7.3	26.0	22.8	246	<b>4</b>	43.5	1.4	34.8	20.3	276

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>10—4—6—6</b>	39.5	1.3	31.6	27.6	304	<b>10—6—8—2</b>	42.5	2.1	45.4	9.9	282
<b>7—4</b>	41.1	1.4	38.3	19.2	292	<b>4</b>	38.7	1.9	41.3	18.1	310
<b>6</b>	37.5	1.2	35.0	26.2	320	<b>6</b>	35.5	1.8	37.9	24.8	338
<b>8—4</b>	39.0	1.3	41.5	18.2	308	<b>10—7—1—1</b>	76.4	4.5	10.2	8.9	157
<b>6</b>	35.7	1.2	38.1	25.0	336	<b>3</b>	64.8	3.8	8.6	22.7	185
<b>9—4</b>	37.0	1.2	44.4	17.3	324	<b>5</b>	56.3	3.3	7.5	32.9	213
<b>6</b>	34.1	1.1	40.9	23.9	352	<b>2—1</b>	60.4	4.0	18.5	8.1	173
<b>12—4</b>	32.3	1.1	51.6	15.0	372	<b>3</b>	59.7	3.5	15.9	20.9	201
<b>10—5—1—1</b>	77.4	3.2	10.3	9.0	155	<b>5</b>	52.4	3.1	13.9	30.6	229
<b>3</b>	65.6	2.7	8.7	22.9	183	<b>3—1</b>	63.5	3.7	25.4	7.4	189
<b>5</b>	56.9	2.4	7.6	33.2	211	<b>3</b>	55.3	3.2	22.1	19.3	217
<b>2—1</b>	70.2	2.9	18.7	8.2	171	<b>5</b>	49.0	2.9	19.6	28.5	245
<b>3</b>	60.3	2.5	16.1	21.1	199	<b>4—1</b>	58.5	3.4	31.2	6.8	205
<b>5</b>	52.8	2.2	14.1	30.8	227	<b>3</b>	51.5	3.0	27.5	18.0	233
<b>3—1</b>	64.2	2.7	25.6	7.5	187	<b>5</b>	46.0	2.7	24.5	26.8	261
<b>3</b>	55.8	2.3	22.3	19.5	215	<b>5—1</b>	54.3	3.2	36.2	6.3	221
<b>5</b>	49.4	2.0	19.7	28.8	243	<b>3</b>	48.2	2.8	32.1	16.9	249
<b>4—1</b>	59.1	2.5	31.5	6.9	203	<b>5</b>	43.3	2.5	28.9	25.3	277
<b>3</b>	51.9	2.2	27.7	18.2	231	<b>6—1</b>	50.6	2.9	40.5	5.9	237
<b>5</b>	46.3	1.9	24.7	27.0	259	<b>3</b>	45.3	2.6	36.2	15.9	265
<b>5—1</b>	54.8	2.3	36.5	6.4	219	<b>5</b>	40.9	2.4	32.8	23.9	293
<b>3</b>	48.6	2.0	32.4	17.0	247	<b>7—1</b>	47.4	2.8	44.3	5.5	253
<b>5</b>	43.6	1.8	29.1	25.4	275	<b>3</b>	42.7	2.5	39.8	14.9	281
<b>6—1</b>	51.1	2.1	40.8	5.9	235	<b>5</b>	38.8	2.3	36.2	22.6	309
<b>3</b>	45.6	1.9	36.5	16.0	263	<b>8—1</b>	44.6	2.6	47.6	5.2	269
<b>5</b>	41.2	1.7	33.0	24.0	291	<b>3</b>	40.4	2.3	43.1	14.1	297
<b>7—1</b>	47.8	2.0	44.6	5.8	251	<b>5</b>	36.9	2.1	39.4	21.5	325
<b>3</b>	43.0	1.8	40.1	15.0	279	<b>10—8—1—2</b>	69.8	4.8	9.3	16.3	172
<b>5</b>	39.1	1.6	36.5	22.8	307	<b>4</b>	60.0	4.0	8.0	28.0	200
<b>8—1</b>	44.9	1.9	47.9	5.2	267	<b>6</b>	52.6	3.5	7.9	36.6	228
<b>3</b>	40.7	1.7	43.4	14.2	295	<b>2—2</b>	63.8	4.3	17.0	14.9	188
<b>5</b>	37.1	1.5	39.6	21.7	323	<b>4</b>	55.5	3.7	14.8	25.9	216
<b>9—1</b>	42.4	1.8	50.9	4.9	283	<b>6</b>	49.2	3.3	13.1	34.4	244
<b>3</b>	38.6	1.6	46.3	13.5	311	<b>3—2</b>	58.8	3.9	23.5	13.7	204
<b>5</b>	35.4	1.5	42.5	20.6	339	<b>4</b>	51.7	3.4	20.7	24.1	232
<b>10—1</b>	40.1	1.7	53.5	4.7	299	<b>6</b>	46.1	3.1	18.4	32.3	260
<b>3</b>	36.7	1.5	48.9	12.8	327	<b>4—2</b>	54.5	3.6	29.1	12.7	220
<b>5</b>	33.8	1.4	45.1	19.7	355	<b>4</b>	48.4	3.2	25.8	22.6	248
<b>10—6—1—2</b>	70.6	3.5	9.4	16.5	170	<b>6</b>	43.5	2.9	23.2	30.4	276
<b>4</b>	60.6	3.0	8.1	28.3	198	<b>5—2</b>	50.8	3.4	33.9	11.9	236
<b>6</b>	53.1	2.6	7.1	37.2	226	<b>4</b>	45.4	3.0	30.3	21.2	264
<b>2—2</b>	64.5	3.2	17.2	15.1	186	<b>6</b>	41.1	2.7	27.4	28.8	292
<b>4</b>	56.1	2.8	14.9	26.2	214	<b>6—2</b>	47.6	3.2	38.1	11.1	252
<b>6</b>	49.6	2.5	13.2	34.7	242	<b>4</b>	42.8	2.9	34.3	20.0	280
<b>3—2</b>	59.4	3.0	23.8	13.8	202	<b>6</b>	38.9	2.6	31.2	27.3	308
<b>4</b>	52.2	2.6	20.9	24.3	230	<b>7—2</b>	44.8	3.0	41.8	10.4	268
<b>6</b>	46.5	2.3	18.6	32.5	258	<b>4</b>	40.5	2.7	37.8	18.9	296
<b>4—2</b>	55.0	2.8	29.3	12.8	218	<b>6</b>	37.0	2.5	34.6	25.9	324
<b>4</b>	48.8	2.4	26.0	22.8	246	<b>8—2</b>	42.2	2.8	45.1	9.9	264
<b>6</b>	43.8	2.2	23.4	30.6	274	<b>4</b>	38.5	2.5	41.0	17.9	312
<b>5—2</b>	51.3	2.6	34.2	11.9	234	<b>6</b>	35.3	2.3	37.7	24.7	340
<b>4</b>	45.8	2.3	30.5	21.4	262	<b>10—9—1—1</b>	75.5	5.7	10.0	8.8	159
<b>6</b>	41.4	2.1	27.6	28.9	290	<b>3</b>	64.2	4.8	8.6	22.4	187
<b>6—2</b>	48.0	2.4	38.4	11.2	250	<b>5</b>	55.8	4.2	7.4	32.6	215
<b>4</b>	43.2	2.2	34.5	20.1	278	<b>2—1</b>	68.6	5.1	18.3	8.0	175
<b>6</b>	39.2	2.0	31.4	27.4	306	<b>3</b>	59.1	4.4	15.8	20.7	203
<b>7—2</b>	45.1	2.3	42.1	10.5	266	<b>5</b>	51.9	3.9	13.8	30.3	231
<b>4</b>	40.8	2.0	38.1	19.0	294	<b>3—1</b>	62.8	4.7	25.1	7.3	191
<b>6</b>	37.3	1.8	34.8	26.1	322	<b>3</b>	54.8	4.1	21.9	19.2	219

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>10—9—3—5</b>	48.6	3.6	19.4	28.3	247	<b>10—11—5—3</b>	47.4	4.3	31.6	16.6	253
<b>4—1</b>	58.0	4.3	30.9	6.8	207	<b>5</b>	42.7	3.9	28.5	24.9	281
<b>3</b>	51.1	3.8	27.2	17.9	235	<b>6—1</b>	49.8	4.6	39.8	5.8	241
<b>5</b>	45.6	3.4	24.3	26.6	263	<b>3</b>	44.6	4.1	35.7	15.6	269
<b>5—1</b>	53.8	4.0	35.9	6.3	223	<b>5</b>	40.4	3.7	32.3	23.6	297
<b>3</b>	47.8	3.6	31.9	16.7	251	<b>7—1</b>	46.7	4.3	43.6	5.4	257
<b>5</b>	43.0	3.2	28.7	25.1	279	<b>3</b>	42.1	3.8	39.4	4.7	285
<b>6—1</b>	50.2	3.8	40.2	5.8	239	<b>5</b>	38.3	3.5	35.8	22.4	313
<b>3</b>	44.9	3.4	35.9	15.7	267	<b>8—1</b>	43.9	4.0	46.9	5.1	273
<b>5</b>	40.7	3.0	32.5	23.7	295	<b>3</b>	39.9	3.6	42.5	13.9	301
<b>7—1</b>	47.1	3.5	43.9	5.5	255	<b>5</b>	36.5	3.3	38.9	21.3	329
<b>3</b>	42.4	3.2	39.6	14.8	283	<b>9—3</b>	37.9	3.5	45.4	13.2	317
<b>5</b>	38.6	2.9	46.0	22.5	311	<b>10—12—1—2</b>	68.2	6.8	9.1	15.9	176
<b>8—1</b>	44.3	3.3	47.2	5.2	271	<b>4</b>	58.8	5.9	7.8	27.4	204
<b>3</b>	40.1	3.0	42.8	14.0	269	<b>6</b>	51.7	5.2	6.9	36.2	232
<b>5</b>	36.7	2.7	39.1	21.4	327	<b>2—2</b>	62.5	6.2	16.7	14.6	192
<b>9—1</b>	41.8	3.1	50.2	4.9	287	<b>4</b>	54.5	5.4	14.5	25.5	220
<b>3</b>	38.1	2.8	45.7	13.3	315	<b>6</b>	48.4	4.8	12.9	33.9	248
<b>5</b>	35.0	2.6	42.0	20.4	343	<b>3—2</b>	57.7	5.8	23.1	13.4	208
<b>10—1</b>	39.6	3.0	52.8	4.6	303	<b>4</b>	50.8	5.1	20.3	23.7	236
<b>3</b>	36.2	2.7	48.3	12.7	331	<b>6</b>	45.4	4.5	18.2	31.8	264
<b>5</b>	33.4	2.5	44.6	19.5	359	<b>4—2</b>	53.6	5.3	28.6	12.5	224
<b>10—10—1—2</b>	68.9	5.7	9.2	16.1	174	<b>4</b>	47.6	4.8	25.4	22.2	252
<b>4</b>	59.4	4.9	7.9	27.7	202	<b>6</b>	42.9	4.3	22.8	30.0	280
<b>6</b>	52.2	4.3	6.9	36.5	230	<b>5—2</b>	50.0	5.0	33.3	11.7	240
<b>2—2</b>	63.2	5.2	16.8	14.7	190	<b>4</b>	44.8	4.5	29.8	20.9	268
<b>4</b>	55.0	4.6	14.7	25.7	218	<b>6</b>	40.5	4.0	27.0	28.4	296
<b>6</b>	48.8	4.1	13.0	34.1	246	<b>8—2</b>	46.9	4.7	37.5	10.9	256
<b>3—2</b>	58.2	4.8	23.3	13.6	206	<b>4</b>	42.2	4.2	33.8	19.7	284
<b>4</b>	51.3	4.3	20.5	23.9	234	<b>6</b>	38.5	3.8	30.8	26.9	312
<b>6</b>	45.8	3.8	18.3	32.1	262	<b>7—2</b>	44.1	4.4	41.2	10.3	272
<b>4—2</b>	54.0	4.5	28.8	12.6	222	<b>4</b>	40.0	4.0	37.3	18.7	300
<b>4</b>	48.0	4.0	25.6	22.4	250	<b>6</b>	36.6	3.6	34.1	25.6	328
<b>6</b>	43.2	3.6	23.0	30.2	278	<b>8—2</b>	41.7	4.2	14.4	9.7	288
<b>5—2</b>	50.4	4.2	33.6	11.8	238	<b>4</b>	38.0	3.8	40.5	17.7	316
<b>4</b>	45.1	3.8	30.1	21.0	206	<b>6</b>	34.9	3.5	37.2	24.4	344
<b>6</b>	40.8	3.4	27.2	28.6	294	<b>10—13—1—1</b>	73.6	8.0	9.8	8.6	163
<b>6—2</b>	47.2	3.9	37.8	11.0	254	<b>3</b>	62.8	6.8	8.4	22.0	191
<b>4</b>	42.5	3.5	34.0	19.9	282	<b>5</b>	54.8	5.9	7.3	32.0	219
<b>6</b>	38.7	3.2	31.0	27.1	310	<b>2—1</b>	67.0	7.3	17.9	7.8	179
<b>7—2</b>	44.4	3.7	41.5	10.4	270	<b>3</b>	58.0	6.3	15.4	20.3	207
<b>4</b>	40.3	3.3	37.6	18.8	298	<b>5</b>	51.1	5.5	13.0	29.8	235
<b>6</b>	36.8	3.1	34.3	25.8	326	<b>9</b>	41.2	4.5	11.0	43.3	291
<b>8—2</b>	42.0	3.5	44.7	9.8	286	<b>3—1</b>	61.5	6.7	24.6	7.2	195
<b>4</b>	38.2	3.2	40.8	17.8	314	<b>3</b>	53.8	5.8	21.5	18.8	223
<b>6</b>	35.1	2.9	37.4	24.6	342	<b>5</b>	47.8	5.2	19.1	27.9	251
<b>10—11—1—1</b>	74.5	6.8	9.9	8.7	161	<b>4—1</b>	56.9	6.1	30.3	6.6	211
<b>3</b>	63.5	5.8	8.5	22.2	189	<b>3</b>	50.2	5.4	26.8	17.6	239
<b>5</b>	55.3	5.1	7.4	32.2	217	<b>5</b>	44.9	4.9	24.0	56.2	267
<b>2—1</b>	67.8	6.2	18.1	7.9	177	<b>5—1</b>	52.9	5.7	35.2	6.2	227
<b>3</b>	58.5	5.3	15.6	20.5	205	<b>3</b>	47.0	5.1	31.4	16.5	255
<b>5</b>	51.5	4.7	13.7	30.0	233	<b>5</b>	42.4	4.6	28.3	24.7	283
<b>3—1</b>	62.2	5.7	24.8	7.2	193	<b>6—1</b>	49.4	5.3	39.5	5.8	243
<b>3</b>	54.3	5.0	21.7	19.0	221	<b>3</b>	44.3	4.8	35.4	15.5	271
<b>5</b>	48.2	4.4	19.3	28.1	249	<b>5</b>	40.1	4.3	32.1	23.4	299
<b>4—1</b>	57.4	5.3	30.6	6.7	209	<b>7—1</b>	46.3	5.0	43.2	4.5	259
<b>3</b>	50.6	4.6	27.0	17.7	237	<b>3</b>	41.8	4.5	39.0	14.6	287
<b>5</b>	45.3	4.1	24.1	26.4	265	<b>5</b>	38.1	4.1	35.6	22.2	315
<b>5—1</b>	53.3	4.9	35.5	6.2	225	<b>8—1</b>	43.6	4.7	40.5	5.1	275

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>10-13-8-3</b>	39.6	4.3	42.2	13.9	303	<b>10-16-3-4</b>	50.0	6.7	20.0	23.3	240
5	36.2	3.9	38.7	21.1	331	6	44.8	6.0	17.9	31.3	268
<b>10-14-1-2</b>	67.4	7.9	9.0	15.7	178	4-2	52.6	7.0	28.1	12.3	228
4	58.2	6.8	7.8	27.2	206	4	46.9	6.2	25.0	21.9	236
6	51.3	6.0	6.8	35.9	234	6	42.2	5.6	22.5	29.6	284
2-2	61.9	7.2	16.5	14.4	194	5-2	49.2	6.5	32.8	11.5	244
4	54.0	6.3	14.4	25.2	222	4	44.1	5.9	29.4	20.6	272
6	48.0	5.6	12.8	33.6	250	6	40.0	5.3	26.7	28.0	300
3-2	57.1	6.7	22.9	13.3	210	6-2	46.1	6.1	36.9	10.8	260
4	50.4	5.9	20.2	23.5	238	4	41.7	5.5	33.3	19.5	288
6	45.1	5.3	18.0	31.5	266	6	38.0	5.1	30.4	26.5	316
4-2	53.1	6.2	28.3	12.4	226	7-2	43.5	5.8	40.6	10.1	276
4	47.2	5.5	25.2	22.0	254	4	39.5	5.3	36.8	18.4	304
6	42.5	4.9	22.7	29.8	282	6	36.1	4.8	38.3	28.8	332
5-2	49.6	5.8	33.1	11.5	242	8-2	41.1	5.5	43.8	9.6	292
4	44.4	5.2	29.6	20.7	270	4	37.5	5.0	40.0	17.5	320
6	40.3	4.7	26.8	28.2	298	6	34.5	4.6	36.8	24.1	348
6-2	46.5	5.4	37.2	10.9	258	10-6	31.6	4.2	42.1	22.1	380
4	42.0	4.9	33.5	19.6	286	<b>10-17-1-1</b>	71.8	10.2	9.6	8.4	167
6	38.2	4.5	30.6	26.7	314	3	61.5	8.7	8.2	21.5	195
7-2	43.8	5.1	40.9	10.2	274	5	53.8	7.6	7.2	31.4	223
4	39.7	4.6	37.0	18.5	302	2-1	65.6	9.3	17.5	7.6	183
6	36.4	4.2	33.9	25.5	330	3	56.9	8.0	15.2	19.9	211
8-2	41.4	4.8	44.1	9.7	290	5	50.2	7.1	13.4	29.3	239
4	37.7	4.4	40.2	17.6	318	3-1	60.3	8.5	24.1	7.0	199
6	34.7	4.0	37.0	24.3	346	3	52.9	7.5	21.1	18.5	227
9-8	30.8	3.6	36.9	28.7	390	5	47.1	6.7	18.8	27.4	255
11-4	32.8	3.8	48.1	15.3	366	4-1	55.8	7.9	29.8	6.5	215
<b>10-15-1-1</b>	72.7	9.1	9.7	8.5	165	3	49.4	7.0	26.3	17.3	243
3	62.2	7.8	8.3	21.7	193	5	44.3	6.3	23.6	25.8	271
6	54.3	6.8	7.2	31.7	221	5-1	51.9	7.4	34.6	6.1	231
2-1	66.2	8.3	17.7	7.7	181	3	46.3	6.6	30.9	16.2	259
3	57.4	7.2	15.3	20.1	209	5	41.8	5.9	27.9	24.4	287
5	50.6	6.3	13.5	29.5	237	6-1	48.6	6.9	38.9	5.6	247
3-1	60.9	7.6	24.1	7.1	197	7-1	45.6	6.5	42.6	5.3	263
3	53.3	6.7	21.3	18.6	225	10-18-1-2	65.9	9.9	8.8	15.4	182
5	47.4	5.9	19.0	27.7	253	4	57.1	8.6	7.6	26.7	210
4-1	50.3	7.0	30.1	6.6	213	6	50.4	7.6	6.7	35.3	238
3	49.8	6.2	26.5	17.4	241	2-2	60.6	9.1	16.2	14.1	198
5	44.6	5.6	23.8	26.0	269	4	53.1	8.0	14.1	24.8	226
5-1	52.4	6.5	34.9	6.1	229	6	47.2	7.1	12.6	33.1	254
3	46.7	5.8	31.1	16.3	257	3-2	56.1	8.4	22.4	13.1	214
5	42.1	5.2	28.1	24.6	285	4	49.6	7.4	19.8	23.1	242
6-1	49.0	6.1	39.2	5.7	245	6	44.4	6.7	17.8	31.1	270
3	43.9	5.5	35.2	15.4	273	4-2	52.2	7.8	27.8	12.2	230
5	39.9	5.0	31.9	23.2	301	4	46.5	7.0	24.8	21.7	258
7-1	46.0	5.7	42.9	5.4	261	6	41.9	6.3	22.4	29.4	286
3	41.5	5.2	38.7	14.5	289	5-2	48.8	7.3	32.5	11.4	246
5	37.9	4.7	36.3	22.1	317	4	43.8	6.6	29.2	20.4	274
8-1	43.3	5.4	46.2	5.1	277	6	39.7	5.9	26.5	27.8	302
3	39.3	4.9	41.9	13.8	305	3	60.9	9.6	8.1	21.3	197
5	36.0	4.5	38.4	21.0	333	5	53.3	8.4	7.1	31.1	225
<b>10-16-1-2</b>	66.7	8.9	8.9	15.5	180	2-1	64.8	10.3	17.3	7.6	185
4	57.7	7.7	7.7	26.9	208	3	56.4	8.9	15.0	19.7	213
6	50.8	6.8	6.8	35.6	236	5	49.8	7.9	13.3	29.0	241
2-2	61.2	8.2	16.3	14.3	196	3-1	59.7	9.4	23.9	7.0	201
4	53.6	7.1	14.3	25.0	224	3	52.4	8.3	21.0	18.3	229
6	47.6	6.3	12.7	33.3	252	5	46.7	7.4	18.7	27.2	257
3-2	56.6	7.5	22.6	13.2	212						

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
10—19—4—1	55.3	8.7	20.5	6.4	217	11—7—1—5	58.7	3.1	7.1	31.1	225
3	49.0	7.8	26.1	17.1	245	2—1	71.3	3.8	17.3	7.6	185
5	43.9	7.0	23.4	25.6	273	3	62.0	3.3	15.0	19.7	213
5—1	51.5	8.2	34.3	5.9	233	5	54.8	2.9	13.3	29.0	241
10—20—1—2	65.2	10.9	8.7	15.2	184	3—1	65.7	3.5	23.9	6.9	201
4	56.6	9.4	7.5	26.4	212	3	57.6	3.1	21.0	18.3	229
6	50.0	8.3	6.7	35.0	200	5	51.4	2.7	18.7	27.2	257
2—2	60.0	10.0	16.0	14.0	200	4—1	60.8	3.2	29.5	6.4	217
4	52.6	8.8	14.0	24.6	228	3	53.9	2.8	26.2	17.1	245
6	46.9	7.8	12.5	32.8	256	5	48.3	2.6	23.4	25.6	273
3—2	55.5	9.2	22.2	13.0	216	5—1	56.7	3.0	34.3	6.0	233
4	49.2	8.2	19.7	22.9	244	3	50.6	2.7	30.6	16.1	261
6	44.1	7.3	17.6	30.9	272	5	45.7	2.4	27.7	24.2	289
4—2	51.7	8.6	27.6	12.0	232	6—1	53.0	2.8	38.5	5.6	249
4	46.2	7.7	24.6	21.5	260	3	47.6	2.5	34.6	15.2	277
6	41.7	6.9	22.2	29.2	288	5	43.3	2.3	31.5	22.9	305
5—2	46.4	8.1	32.2	11.3	248	7—1	49.8	2.6	42.3	5.3	265
4	43.5	7.2	29.0	20.3	276	3	45.0	2.4	38.2	14.3	293
6	39.5	6.6	26.3	27.6	304	5	41.1	2.2	34.9	21.8	321
8—2	40.5	6.8	43.2	9.5	296	8—1	47.0	2.5	45.5	5.0	281
10—21—1—1	70.2	12.3	9.3	8.2	171	3	42.7	2.3	41.4	13.6	309
3	60.3	10.6	8.0	21.1	199	5	39.2	2.1	37.9	20.8	337
5	52.9	9.2	7.0	30.8	227	11—8—1—2	71.7	4.3	8.7	15.2	184
2—1	64.2	11.2	17.1	7.5	187	4	62.2	3.8	7.5	26.4	212
3	55.8	9.8	14.9	19.5	215	6	55.0	3.3	6.7	35.0	240
5	49.4	8.6	13.2	28.8	243	2—2	66.0	4.0	16.0	14.0	200
3—1	59.1	10.3	23.6	7.0	203	4	57.9	3.5	14.0	24.6	228
3	51.9	9.1	20.8	18.2	231	6	51.6	3.1	12.5	32.8	256
5	46.3	8.1	18.5	27.0	259	3—2	61.1	3.7	22.2	13.0	216
4—1	54.8	9.6	29.2	6.4	219	4	54.1	3.3	19.7	22.9	244
3	48.6	8.5	25.9	17.0	247	6	48.5	2.9	17.6	30.9	272
5	43.6	7.6	23.3	25.4	275	4—2	56.9	3.4	27.6	12.1	232
10—22—1—2	64.5	11.8	8.6	15.0	186	4	50.8	3.1	24.6	21.5	260
4	56.1	10.3	7.5	26.2	214	6	45.8	2.8	22.2	20.2	288
6	49.6	9.1	6.6	34.7	242	5—2	53.2	3.2	32.2	11.3	248
2—2	59.4	10.9	15.8	13.9	202	4	47.8	2.9	29.0	20.3	276
4	52.2	9.6	13.9	24.3	230	6	43.4	2.6	26.3	27.6	304
6	46.5	8.5	12.4	32.6	258	8—2	50.0	3.0	36.4	10.6	264
10—23—1—1	69.4	13.3	9.2	8.1	173	4	45.2	2.7	32.9	19.2	292
3	59.7	11.4	8.0	20.9	201	6	41.2	2.5	30.0	26.2	320
5	52.4	10.0	7.0	30.6	229	7—2	47.1	2.8	40.0	10.0	280
2—1	63.5	12.2	16.9	7.4	189	4	42.8	2.6	36.4	18.2	308
3	55.3	10.6	14.7	19.3	217	6	39.3	2.4	33.3	25.0	336
5	49.0	9.4	13.0	28.6	245	8—2	44.6	2.7	43.2	9.5	296
11—4—5—2	54.1	1.6	32.8	11.5	244	4	40.7	2.5	39.5	17.3	324
11—5—3—1	66.3	2.5	24.1	7.0	199	6	37.5	2.3	36.4	23.8	352
5	51.8	2.0	18.8	27.4	255	11—9—1—1	77.2	5.3	9.3	8.2	171
4—1	61.4	2.3	29.8	6.5	215	3	60.3	4.5	8.0	21.1	199
5—3	51.0	1.9	30.9	16.2	259	5	58.1	4.0	7.0	30.8	227
8—3	43.0	1.6	41.7	13.7	307	2—1	70.6	4.8	17.1	7.5	187
11—6—2—2	66.7	3.0	16.2	14.1	198	3	61.4	4.2	14.9	19.5	215
4	58.4	2.6	14.2	24.8	226	5	54.3	3.7	13.2	28.8	243
6	51.9	2.4	12.6	33.1	254	3—1	65.0	4.4	23.6	6.9	203
3—2	61.7	2.8	22.4	13.1	214	3	57.1	3.9	20.8	18.2	231
8—2	50.4	2.3	36.6	10.7	262	5	50.9	3.5	18.5	27.0	259
4	45.5	2.1	33.1	19.3	290	4—1	60.3	4.1	29.2	6.4	219
7—2	47.5	2.1	40.3	10.1	278	3	53.4	3.6	25.9	17.0	247
11—7—1—1	78.1	4.1	9.5	8.3	169	5	48.0	3.3	23.3	25.4	275
3	67.0	3.5	8.1	21.3	197	5—1	56.2	3.8	34.0	5.9	235

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>11-9-5-3</b>	50,2	3,4	30,4	16,0	263	<b>11-12-1-2</b>	70,2	6,4	8,5	14,9	188
<b>5</b>	45,3	3,1	27,5	24,0	291	<b>4</b>	61,1	5,5	7,4	25,9	216
<b>6-1</b>	52,6	3,6	38,2	5,6	251	<b>6</b>	54,1	4,9	6,6	34,4	244
<b>3</b>	47,3	3,2	34,4	15,1	279	<b>2-2</b>	64,7	5,9	15,7	13,7	204
<b>5</b>	43,0	2,9	31,3	22,8	307	<b>4</b>	56,9	5,2	13,8	24,1	232
<b>7-1</b>	49,4	3,4	41,9	5,2	267	<b>6</b>	50,8	4,6	12,3	32,3	260
<b>3</b>	44,7	3,0	38,0	14,2	295	<b>3-2</b>	60,0	5,4	21,8	12,7	220
<b>5</b>	40,8	2,8	34,7	21,7	323	<b>4</b>	53,2	4,8	19,3	22,6	248
<b>8-1</b>	46,6	3,2	45,2	4,9	283	<b>6</b>	47,8	4,3	17,4	30,4	276
<b>3</b>	42,4	2,9	41,1	13,5	311	<b>4-2</b>	55,9	5,1	27,1	11,9	236
<b>5</b>	38,9	2,6	37,8	20,6	339	<b>4</b>	50,0	4,5	24,2	21,2	264
<b>11-10-1-2</b>	70,9	5,4	8,6	15,0	186	<b>6</b>	45,2	4,1	21,9	28,8	292
<b>4</b>	61,7	4,6	7,5	26,2	214	<b>5-2</b>	52,4	4,8	31,7	11,1	252
<b>6</b>	54,5	4,1	6,6	34,7	242	<b>4</b>	47,1	4,3	28,6	20,0	280
<b>2-2</b>	65,3	4,9	15,8	13,8	202	<b>6</b>	42,8	3,9	26,0	27,3	308
<b>4</b>	57,4	4,3	13,9	24,3	230	<b>6-2</b>	49,3	4,5	35,8	10,4	268
<b>6</b>	51,2	3,9	12,4	32,5	258	<b>4</b>	44,6	4,0	32,4	18,9	296
<b>3-2</b>	60,5	4,6	22,0	12,8	218	<b>6</b>	40,7	3,7	29,6	25,9	324
<b>4</b>	53,7	4,1	19,5	22,7	246	<b>7-2</b>	46,5	4,2	39,4	9,9	284
<b>6</b>	48,2	3,6	17,5	30,7	274	<b>4</b>	42,3	3,8	35,9	17,9	312
<b>4-2</b>	56,4	4,3	27,3	12,0	234	<b>6</b>	38,8	3,5	32,9	24,7	340
<b>4</b>	50,4	3,8	24,4	21,4	262	<b>8-2</b>	44,0	4,0	42,7	9,3	300
<b>6</b>	45,5	3,4	22,1	29,0	290	<b>4</b>	40,2	3,7	39,0	17,1	328
<b>5-2</b>	52,8	4,0	32,0	11,2	250	<b>6</b>	37,1	3,4	35,9	23,6	356
<b>4</b>	47,5	3,6	28,8	20,1	278	<b>9-4</b>	38,4	3,5	41,8	16,3	344
<b>6</b>	43,1	3,3	26,1	27,4	306	<b>10-8</b>	31,7	2,9	38,5	26,9	416
<b>6-2</b>	49,6	3,8	36,1	10,5	266	<b>11-13-1-1</b>	75,4	7,4	9,1	8,0	175
<b>4</b>	44,9	3,4	32,6	19,1	294	<b>3</b>	65,0	6,4	7,9	20,7	203
<b>6</b>	41,0	3,1	29,8	26,1	322	<b>5</b>	57,1	5,6	6,9	30,3	231
<b>7-2</b>	46,8	3,5	38,7	9,9	282	<b>2-1</b>	69,1	6,8	16,7	7,3	191
<b>4</b>	42,6	3,2	36,1	18,1	310	<b>3</b>	60,3	5,9	14,6	19,2	219
<b>6</b>	39,0	3,0	33,1	24,9	338	<b>5</b>	53,4	5,3	12,9	28,3	247
<b>8-2</b>	44,3	3,4	42,9	9,4	298	<b>3-1</b>	63,7	6,3	23,2	6,8	207
<b>4</b>	40,5	3,1	39,2	17,2	326	<b>3</b>	56,2	5,5	20,4	17,9	235
<b>6</b>	37,3	2,8	36,2	23,7	354	<b>5</b>	50,2	4,9	18,2	26,6	263
<b>11-11-1-1</b>	76,3	6,3	9,2	8,1	173	<b>4-1</b>	59,2	5,8	28,7	6,3	223
<b>3</b>	65,7	5,5	7,9	20,9	201	<b>3</b>	52,6	5,2	25,5	16,7	251
<b>5</b>	57,6	4,8	7,0	30,6	229	<b>5</b>	47,3	4,7	22,9	25,1	279
<b>2-1</b>	69,8	5,8	16,9	7,4	189	<b>5-1</b>	55,2	5,4	33,5	5,9	239
<b>3</b>	60,8	5,1	14,7	19,4	217	<b>3</b>	49,4	4,9	30,0	15,7	267
<b>5</b>	53,9	4,5	13,0	28,6	245	<b>5</b>	44,7	4,4	27,1	23,7	295
<b>3-1</b>	64,4	5,4	23,4	6,8	205	<b>6-1</b>	51,8	5,1	37,6	5,5	255
<b>3</b>	56,6	4,7	20,6	18,0	233	<b>3</b>	40,6	4,6	33,9	14,8	283
<b>5</b>	50,6	4,2	18,4	26,8	261	<b>5</b>	42,4	4,2	30,9	22,5	311
<b>4-1</b>	59,7	5,0	29,0	6,3	221	<b>7-1</b>	48,7	4,8	41,3	5,2	271
<b>3</b>	53,0	4,4	25,7	16,9	249	<b>3</b>	44,1	4,4	37,4	14,0	299
<b>5</b>	47,6	3,9	23,1	25,4	277	<b>5</b>	40,4	4,0	34,2	21,4	327
<b>5-1</b>	55,7	4,6	33,7	5,9	237	<b>8-1</b>	46,0	4,5	44,6	4,9	287
<b>3</b>	49,8	4,1	30,2	15,9	265	<b>3</b>	41,9	4,1	40,6	13,3	315
<b>5</b>	45,0	3,7	27,3	23,9	293	<b>5</b>	38,5	3,8	37,3	20,4	343
<b>6-1</b>	52,2	4,3	38,0	5,5	253	<b>11-14-1-2</b>	69,5	7,4	8,4	14,7	190
<b>3</b>	47,0	3,9	34,1	14,9	281	<b>4</b>	60,5	6,4	7,3	25,7	218
<b>5</b>	42,7	3,6	31,1	22,6	309	<b>6</b>	43,7	5,7	6,5	34,1	246
<b>7-1</b>	49,1	4,1	41,6	5,2	269	<b>2-2</b>	64,1	6,8	15,5	13,6	206
<b>3</b>	44,4	3,7	37,7	14,1	297	<b>4</b>	56,4	6,0	13,7	23,9	234
<b>5</b>	40,6	3,4	34,5	21,5	325	<b>6</b>	50,4	5,3	12,2	32,1	262
<b>8-1</b>	46,3	3,9	44,9	4,9	285	<b>3-2</b>	59,4	6,3	21,6	12,6	222
<b>3</b>	42,2	3,5	40,9	13,4	313	<b>4</b>	52,5	5,6	19,2	22,4	250
<b>5</b>	38,7	3,2	37,5	20,5	341	<b>6</b>	47,5	5,0	17,3	30,2	278

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>11—14—4—2</b>	55.4	5.9	26.9	11.8	238	<b>11—16—7—6</b>	38.4	4.6	32.6	24.4	344
<b>4</b>	49.6	5.3	24.1	21.0	266	<b>8—2</b>	43.4	5.3	42.1	9.2	304
<b>6</b>	44.9	4.8	21.8	28.5	294	<b>4</b>	39.7	4.8	38.5	16.9	332
<b>5—2</b>	52.0	5.5	31.5	11.0	254	<b>6</b>	36.7	4.4	35.5	23.3	360
<b>4</b>	46.8	5.0	28.4	19.8	282	<b>11—17—1—1</b>	73.8	9.5	8.9	7.8	179
<b>6</b>	42.6	4.5	25.8	27.1	310	<b>3</b>	63.8	8.2	7.7	20.3	207
<b>6—2</b>	48.9	5.2	33.5	10.4	270	<b>5</b>	56.2	7.2	6.7	29.8	235
<b>4</b>	44.3	4.7	32.2	18.8	298	<b>2—1</b>	67.7	8.7	16.4	7.2	195
<b>6</b>	40.5	4.3	29.4	25.8	326	<b>3</b>	59.2	7.6	14.3	18.8	223
<b>7—2</b>	46.1	4.9	39.2	9.8	286	<b>5</b>	52.6	6.8	12.7	27.9	251
<b>4</b>	42.0	4.4	35.7	17.8	314	<b>3—1</b>	62.6	8.1	22.7	6.6	211
<b>6</b>	38.6	4.1	32.7	24.5	342	<b>3</b>	55.2	7.1	20.1	17.6	239
<b>8—2</b>	43.7	4.6	42.4	9.3	302	<b>5</b>	49.4	6.4	18.0	26.2	267
<b>4</b>	40.0	4.2	38.8	17.0	330	<b>4—1</b>	58.1	7.5	28.2	6.2	227
<b>6</b>	36.9	3.9	35.7	23.5	358	<b>3</b>	51.8	6.7	15.1	16.4	255
<b>11—15—1—1</b>	74.6	8.5	9.0	7.9	177	<b>5</b>	46.6	6.0	22.6	24.7	283
<b>3</b>	64.4	7.3	7.8	20.5	205	<b>5—1</b>	54.3	7.0	32.9	5.8	243
<b>5</b>	56.6	6.4	6.9	30.0	233	<b>3</b>	48.7	6.3	29.5	15.5	271
<b>2—1</b>	68.4	7.8	16.6	7.2	193	<b>5</b>	44.1	5.7	26.7	23.4	209
<b>3</b>	59.7	6.8	14.5	19.0	221	<b>6—1</b>	51.0	6.6	37.0	5.4	259
<b>5</b>	53.0	6.0	12.8	28.1	249	<b>3</b>	46.6	5.9	33.4	14.6	287
<b>3—1</b>	63.1	7.2	23.0	6.7	209	<b>5</b>	41.9	5.4	30.5	22.2	315
<b>3</b>	55.7	6.3	20.2	17.7	237	<b>11—18—1—2</b>	68.1	9.3	8.2	14.4	194
<b>5</b>	49.8	5.7	18.1	26.4	265	<b>4</b>	59.4	8.1	7.2	25.2	222
<b>4—1</b>	58.6	6.7	28.4	6.2	225	<b>6</b>	52.8	7.2	6.4	33.6	250
<b>3</b>	52.2	5.9	25.3	16.6	253	<b>2—2</b>	62.9	8.6	15.2	13.3	210
<b>5</b>	46.9	5.3	22.8	24.9	281	<b>4</b>	55.1	7.6	13.4	23.5	238
<b>5—1</b>	54.8	6.2	33.2	5.8	241	<b>6</b>	49.6	6.8	12.0	31.6	266
<b>3</b>	49.0	5.6	29.7	15.6	269	<b>3—2</b>	58.4	8.0	21.2	12.4	226
<b>5</b>	44.4	5.0	26.9	23.6	297	<b>4</b>	52.0	7.1	18.9	22.0	254
<b>6—1</b>	51.4	5.8	37.4	5.4	257	<b>6</b>	46.8	6.4	17.0	29.8	282
<b>3</b>	46.3	5.3	33.7	14.7	285	<b>4—2</b>	54.5	7.4	26.4	11.6	242
<b>5</b>	42.1	4.8	30.7	22.4	313	<b>4</b>	48.9	6.7	23.7	20.7	270
<b>7—1</b>	48.3	5.5	41.0	5.1	273	<b>6</b>	44.3	6.0	21.5	28.2	298
<b>3</b>	43.8	5.0	37.2	13.9	301	<b>5—2</b>	51.2	7.0	31.0	10.5	258
<b>5</b>	40.1	4.6	34.0	21.3	329	<b>4</b>	46.1	6.3	28.0	19.6	286
<b>8—1</b>	45.7	5.2	44.3	4.8	289	<b>6</b>	42.0	5.7	25.5	26.7	314
<b>3</b>	41.6	4.7	40.4	13.3	317	<b>6—2</b>	48.2	6.6	35.0	10.2	274
<b>5</b>	38.3	4.3	37.1	20.3	345	<b>4</b>	43.7	6.0	31.8	18.5	302
<b>11—16—1—2</b>	68.8	8.3	8.3	14.6	192	<b>6</b>	40.0	5.4	29.1	25.5	330
<b>4</b>	60.0	7.3	7.3	25.4	220	<b>11—19—1—1</b>	72.9	10.3	8.8	7.7	181
<b>6</b>	53.2	6.4	6.4	33.9	245	<b>3</b>	63.1	9.1	7.7	20.1	209
<b>2—2</b>	63.5	7.7	15.4	13.4	208	<b>5</b>	55.7	8.0	6.7	29.5	237
<b>4</b>	55.9	6.8	13.6	23.7	236	<b>2—1</b>	67.0	9.6	16.2	7.1	197
<b>6</b>	50.0	6.1	12.1	31.8	264	<b>3</b>	58.7	8.4	14.2	18.6	225
<b>3—2</b>	58.9	7.1	21.4	12.5	224	<b>5</b>	52.2	7.5	12.6	27.7	253
<b>4</b>	52.4	6.3	19.0	22.2	252	<b>3—1</b>	62.0	8.9	22.5	6.6	213
<b>6</b>	47.1	5.7	17.3	30.0	280	<b>3</b>	54.8	7.9	19.9	17.4	241
<b>4—2</b>	55.0	6.7	26.7	11.6	240	<b>5</b>	49.1	7.1	17.8	26.0	269
<b>4</b>	49.2	6.0	23.9	20.9	265	<b>4—1</b>	57.6	8.3	27.9	6.1	229
<b>6</b>	44.6	5.4	21.6	28.4	296	<b>3</b>	51.3	7.4	24.9	16.3	257
<b>5—2</b>	51.6	6.2	31.2	10.9	256	<b>5</b>	46.3	6.7	22.4	24.6	285
<b>4</b>	46.5	5.6	28.2	19.7	284	<b>5—1</b>	53.9	7.7	32.7	5.7	245
<b>6</b>	42.3	5.1	25.6	26.9	312	<b>3</b>	48.3	7.0	29.3	15.4	273
<b>6—2</b>	48.5	5.9	35.3	10.3	272	<b>11—20—1—2</b>	67.3	10.2	8.2	14.3	196
<b>4</b>	44.0	5.3	32.0	18.7	300	<b>4</b>	58.9	8.9	7.1	25.0	224
<b>6</b>	40.2	4.9	29.3	25.6	328	<b>6</b>	52.4	7.9	6.3	33.3	252
<b>7—2</b>	45.8	5.6	38.9	9.7	288	<b>2—2</b>	62.2	9.4	15.1	13.2	212
<b>4</b>	41.8	5.1	25.4	17.7	316	<b>4</b>	55.0	8.3	13.3	23.3	240

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
11—20—2—6	49.3	7.5	11.9	31.3	266	12—5—7—3	47.5	1.6	37.0	13.9	303
3—2	57.9	8.8	21.0	12.3	228	8—5	41.5	1.4	36.9	20.2	347
4	51.6	7.8	18.7	21.9	256	7	38.4	1.3	34.1	26.1	375
6	46.5	7.0	16.9	29.6	284	9—7	36.8	1.3	36.8	25.1	391
4—2	54.1	8.2	26.2	11.5	244	10—3	41.0	1.4	45.6	12.0	351
4	48.5	7.3	23.5	20.6	272	12—7	32.8	1.1	43.7	22.3	439
6	44.0	6.7	33.3	16.0	300	13—7	31.6	1.1	45.7	21.5	455
6—6	39.8	6.0	28.9	25.3	332	12—6—1—2	74.2	3.1	8.2	14.4	194
11—21—1—1	72.1	11.4	8.7	7.7	183	2—4	60.5	0.2	13.4	23.5	238
3	62.6	9.9	7.6	19.9	211	4—2	59.5	2.5	26.4	11.6	242
5	55.2	8.8	6.7	29.3	239	5—2	55.8	2.3	31.0	10.9	258
2—1	66.3	10.5	16.1	7.0	199	6—6	43.6	1.8	29.1	25.5	330
3	58.1	9.2	14.1	18.5	227	7—6	41.6	1.7	32.4	24.3	346
5	51.8	8.2	12.6	27.4	255	8—2	47.1	2.0	41.8	9.1	306
3—1	61.4	9.8	22.3	6.5	215	4	43.1	1.8	38.3	16.8	334
3	54.3	8.6	19.7	17.3	243	6	39.8	1.6	35.4	23.2	362
5	48.7	7.7	17.7	25.8	271	9—4	41.1	1.7	41.1	16.0	350
4—1	57.1	9.1	27.7	6.1	231	6	38.1	1.6	38.1	22.2	252
3	51.0	8.1	24.7	16.2	259	10—4	39.3	1.6	43.7	15.3	366
5	46.0	7.3	22.3	24.4	287	12—4	36.2	1.5	48.2	14.1	308
11—22—1—2	66.7	11.1	8.1	14.1	198	12—7—1—1	79.6	3.9	8.8	7.7	181
4	58.4	9.7	7.1	24.8	226	3	68.9	3.3	7.7	20.1	209
6	52.0	8.6	6.3	33.1	254	5	60.8	2.9	6.7	29.5	237
2—2	61.7	10.3	14.9	12.1	214	2—1	73.1	3.5	16.2	7.1	197
4	54.5	9.1	13.2	23.1	242	3	64.0	3.1	14.2	18.6	225
6	48.9	8.2	11.8	31.1	270	5	56.9	2.8	12.6	27.7	253
3—2	57.4	9.5	20.9	12.2	230	3—1	67.6	3.3	22.5	6.6	213
4	51.2	8.5	18.6	21.7	258	3	59.7	2.9	19.9	17.4	241
6	46.1	7.7	16.8	29.4	286	5	53.5	2.6	17.8	26.0	269
4—2	53.7	8.9	26.0	11.4	246	4—1	62.9	3.1	27.9	6.1	229
4	48.2	8.0	23.4	20.4	274	3	66.0	2.7	24.9	16.3	257
6	43.7	7.3	21.2	27.8	302	5	50.5	2.5	22.4	24.6	285
11—23—1—1	71.3	12.4	8.6	7.6	185	5—1	58.8	2.8	32.7	5.7	245
3	62.0	10.8	7.5	19.7	213	3	52.7	2.6	29.3	15.4	273
5	54.8	9.5	6.6	29.0	241	5	47.8	2.3	26.6	23.2	301
2—1	65.7	11.4	15.9	7.0	201	6—1	55.2	2.7	36.8	5.3	261
3	57.6	10.0	14.0	18.3	229	3	49.8	2.4	33.2	14.5	289
5	51.4	8.9	12.5	27.2	257	5	45.4	2.2	30.3	22.1	317
6—9	35.0	6.1	25.5	33.4	377	7—1	52.0	2.5	40.4	5.0	277
11—24—1—2	66.0	12.0	8.0	14.0	200	3	47.2	2.3	36.7	13.8	305
4	57.9	10.5	7.0	24.6	228	5	43.2	2.1	33.6	21.0	333
6	51.6	8.4	6.2	32.8	256	8—1	49.1	2.4	43.7	4.8	293
2—2	61.1	11.1	14.8	13.0	216	3	44.8	2.2	39.9	13.1	321
4	54.1	9.8	13.1	23.0	244	5	41.2	2.0	36.7	20.0	349
6	48.5	8.8	11.8	30.9	272	9—1	46.6	2.3	46.6	4.5	309
5—10	35.1	6.4	21.3	37.2	376	3	42.7	2.1	42.7	12.5	337
11—25—1—1	70.6	13.4	8.5	7.5	187	5	39.4	1.9	39.4	19.2	365
3	61.4	11.6	7.4	19.5	215	10—1	44.3	2.1	49.2	4.3	325
5	54.3	10.3	6.6	28.8	243	3	40.8	2.0	45.3	11.9	353
2—1	65.0	11.3	15.8	6.9	203	5	37.8	1.8	42.0	18.4	381
3	57.2	10.8	13.8	18.2	231	12—8—1—2	73.4	4.1	8.2	14.3	196
5	51.0	9.7	12.3	27.0	259	4	64.3	3.6	7.1	25.0	224
11—26—1—2	65.3	12.9	7.9	13.9	202	6	57.1	3.2	6.3	33.3	252
6—2	46.8	9.2	34.0	9.9	282	8	51.4	2.9	5.7	40.0	280
12—3—6—3	50.5	1.1	33.7	14.7	285	2—2	67.9	3.8	15.1	13.2	212
12—4—4—2	60.0	1.7	26.7	11.6	240	4	60.0	3.3	13.3	23.3	240
8—2	47.4	1.3	42.1	9.2	304	6	53.7	3.0	11.9	31.3	268
16—6	29.5	0.8	52.4	17.2	488	3—2	63.1	3.5	21.0	12.4	228
12—5—5—1	59.3	2.0	32.9	5.8	243	4	56.2	3.1	18.7	21.9	256

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>12-8-3-6</b>	50,7	2,8	16,9	29,6	284	<b>12-10-5-6</b>	45,3	3,1	25,2	26,4	318
<b>4-2</b>	59,0	3,3	26,2	11,5	244	<b>6-2</b>	51,8	3,6	34,5	10,1	278
<b>4</b>	53,0	2,9	23,5	20,6	272	<b>4</b>	47,0	3,3	31,4	18,3	306
<b>6</b>	48,0	2,7	21,3	28,0	300	<b>6</b>	43,1	3,0	28,7	25,2	334
<b>5-2</b>	55,4	3,0	30,8	10,8	260	<b>7-2</b>	49,0	3,4	38,1	9,5	294
<b>4</b>	50,0	2,8	27,8	19,4	288	<b>4</b>	44,7	3,1	34,8	17,4	322
<b>6</b>	45,6	2,5	25,3	26,6	316	<b>6</b>	41,1	2,9	32,0	24,0	350
<b>6-2</b>	52,2	2,9	34,8	10,1	276	<b>8-2</b>	46,5	3,2	41,3	9,0	310
<b>4</b>	47,4	2,6	31,6	18,4	304	<b>4</b>	42,6	3,0	37,9	16,5	338
<b>6</b>	43,4	2,4	28,9	25,3	332	<b>6</b>	39,3	2,7	35,0	23,0	366
<b>7-2</b>	49,3	2,7	38,4	9,6	292	<b>12-11-1-1</b>	77,8	5,9	8,6	7,6	185
<b>4</b>	45,0	2,5	35,0	17,5	320	<b>3</b>	67,6	5,2	7,5	19,7	213
<b>6</b>	41,4	2,3	32,2	24,1	348	<b>5</b>	59,9	4,5	6,6	29,0	241
<b>8-2</b>	46,8	2,6	41,5	9,1	308	<b>2-1</b>	71,6	5,5	15,9	7,0	201
<b>4</b>	42,8	2,4	38,1	16,7	336	<b>3</b>	62,9	4,8	14,0	18,3	229
<b>6</b>	39,5	2,2	35,2	23,1	364	<b>5</b>	56,0	4,3	12,4	27,2	257
<b>9-2</b>	44,4	2,5	44,4	8,6	324	<b>3-1</b>	66,3	5,1	22,1	6,5	217
<b>4</b>	40,9	2,3	40,9	15,9	372	<b>3</b>	58,8	4,5	19,6	17,1	245
<b>6</b>	37,9	2,1	37,9	22,1	380	<b>5</b>	52,7	4,0	17,6	25,6	273
<b>10-6</b>	36,4	2,0	40,4	21,2	396	<b>4-1</b>	61,8	4,7	27,5	6,0	233
<b>11-6</b>	35,0	1,9	42,7	20,4	412	<b>3</b>	55,2	4,2	24,5	16,1	261
<b>12-9-1-1</b>	78,7	4,9	8,7	7,6	183	<b>5</b>	49,8	3,8	22,1	24,2	289
<b>3</b>	68,2	4,3	7,6	19,9	211	<b>6-1</b>	57,8	4,4	32,1	5,6	249
<b>5</b>	60,2	3,8	6,7	29,3	239	<b>3</b>	52,0	4,0	28,9	15,1	277
<b>2-1</b>	72,4	4,5	16,1	7,0	199	<b>5</b>	47,2	3,6	26,2	22,9	305
<b>3</b>	63,4	3,9	14,1	18,5	227	<b>6-1</b>	54,3	4,2	36,2	5,3	265
<b>5</b>	56,5	3,5	12,5	27,4	235	<b>3</b>	49,1	3,7	32,5	14,3	293
<b>3-1</b>	67,0	4,2	22,3	6,5	215	<b>5</b>	44,8	3,4	29,9	21,8	321
<b>3</b>	59,3	3,7	19,7	17,3	243	<b>7-1</b>	51,2	3,9	39,8	5,0	281
<b>5</b>	53,1	3,3	17,7	25,8	271	<b>3</b>	46,6	3,6	36,2	13,6	309
<b>4-1</b>	62,3	4,0	27,7	6,0	231	<b>5</b>	42,7	3,2	33,3	20,8	337
<b>3</b>	55,6	3,5	24,7	16,2	259	<b>8-1</b>	48,5	3,7	43,1	4,7	297
<b>5</b>	50,2	3,1	22,3	24,4	287	<b>3</b>	44,3	3,4	39,4	12,9	325
<b>5-1</b>	58,2	3,6	32,4	5,7	247	<b>5</b>	40,8	3,1	36,2	19,8	353
<b>3</b>	52,3	3,3	29,1	15,3	275	<b>9-3</b>	42,2	3,2	42,2	12,3	341
<b>5</b>	47,5	3,0	26,4	23,1	303	<b>12-12-1-2</b>	72,0	6,0	8,0	14,0	200
<b>6-1</b>	54,7	3,4	36,5	5,3	263	<b>4</b>	63,2	5,2	7,0	14,6	228
<b>3</b>	49,5	3,1	33,0	14,4	291	<b>6</b>	56,2	4,7	6,2	32,8	256
<b>5</b>	45,1	2,8	30,1	21,9	319	<b>2-2</b>	66,7	5,6	14,8	12,9	216
<b>7-1</b>	51,6	3,2	40,1	5,0	279	<b>4</b>	59,0	4,9	13,1	32,9	244
<b>3</b>	46,9	2,9	36,5	13,7	307	<b>6</b>	52,9	4,4	11,8	30,9	272
<b>5</b>	43,0	2,7	33,4	20,9	335	<b>3-2</b>	62,1	5,2	20,7	12,0	232
<b>8-1</b>	58,8	3,0	43,4	4,7	295	<b>4</b>	55,4	4,6	18,4	21,5	260
<b>3</b>	44,6	2,6	39,6	13,0	323	<b>6</b>	50,0	4,2	16,6	29,2	288
<b>5</b>	41,0	2,6	36,5	19,9	351	<b>4-2</b>	57,1	4,8	25,8	11,3	248
<b>12-10-1-2</b>	72,7	5,0	8,1	14,1	198	<b>4</b>	52,2	4,3	23,2	20,3	276
<b>6</b>	63,7	4,4	7,1	24,8	226	<b>6</b>	47,3	3,9	21,1	27,6	304
<b>4</b>	56,6	3,9	6,3	33,2	254	<b>5-2</b>	54,5	5,5	30,3	10,6	264
<b>2-2</b>	67,3	4,7	14,9	13,1	214	<b>4</b>	49,3	4,1	27,4	19,2	292
<b>4</b>	59,5	4,1	13,2	23,1	242	<b>6</b>	45,0	3,7	25,0	26,2	320
<b>6</b>	53,3	3,7	11,8	31,1	270	<b>6-2</b>	51,4	4,3	34,3	10,0	280
<b>3-2</b>	62,6	4,3	20,8	12,2	230	<b>4</b>	46,7	3,9	31,2	18,2	308
<b>4</b>	55,8	3,9	18,6	21,7	258	<b>6</b>	42,9	3,5	28,6	25,0	336
<b>6</b>	50,3	3,4	16,8	29,4	286	<b>7-2</b>	48,6	4,0	37,8	9,5	296
<b>4-2</b>	58,5	4,1	26,0	11,4	246	<b>4</b>	44,4	3,7	34,6	17,3	324
<b>4</b>	52,6	3,6	23,3	20,4	274	<b>6</b>	40,9	3,4	31,8	23,8	352
<b>6</b>	47,6	3,3	21,2	27,8	302	<b>8-2</b>	46,3	3,5	41,1	9,0	311
<b>5-2</b>	55,0	3,8	30,5	10,7	262	<b>12-13-1-1</b>	77,0	6,9	8,5	7,5	187
<b>4</b>	49,7	3,4	27,6	19,3	290	<b>3</b>	67,0	6,0	7,4	19,5	215

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.	
12—13—1—5	59.2	5.3	6.6	28.8	243	12—15—2—1	70.2	7.3	15.6	6.8	205	
2—1	70.9	6.4	15.8	6.9	203		3	61.8	6.4	13.7	18.0	233
3	62.3	5.6	13.8	18.2	231		5	55.2	5.7	12.2	26.8	261
5	55.6	5.0	12.3	27.0	259	3—1	65.2	6.8	21.7	6.3	221	
9	45.7	4.1	10.2	40.0	315		3	57.8	6.0	19.3	16.9	249
3—1	65.7	5.9	21.9	6.4	219		5	52.0	5.4	17.3	25.3	277
3	58.3	5.3	19.4	17.0	247	4—1	60.7	6.3	27.0	5.9	237	
5	52.4	4.7	17.4	25.4	275		3	54.3	5.7	24.1	15.8	265
4—1	61.3	5.5	27.2	5.9	235		5	49.1	5.1	21.8	23.9	293
3	54.8	4.9	24.3	16.0	263	5—1	56.9	5.9	31.6	5.5	233	
5	49.4	4.5	22.0	24.0	291		3	51.2	5.3	28.5	14.9	281
5—1	57.3	5.1	31.9	5.6	251		5	46.6	4.8	25.9	22.6	309
3	51.6	4.6	28.7	15.1	279	6—1	53.5	5.6	35.7	5.2	269	
5	46.9	4.2	26.1	22.8	307		3	48.5	5.0	32.3	14.1	297
6—1	53.9	4.9	35.9	5.2	267		5	44.3	4.6	29.5	21.5	325
3	48.8	4.4	32.5	14.2	295	7—1	50.5	5.3	39.3	4.9	285	
5	44.6	4.0	29.7	21.7	323		3	46.0	4.8	35.8	13.4	313
7—1	50.9	4.6	39.6	4.9	283		5	42.2	4.4	32.8	20.5	341
3	46.3	4.2	36.0	13.5	311	8—1	47.8	5.0	42.5	4.6	301	
5	42.5	3.8	33.0	20.6	339		3	43.8	4.6	38.9	12.7	329
8—1	48.1	4.3	42.8	4.7	299		5	40.3	4.2	35.8	19.6	357
3	44.0	4.0	39.1	12.8	327	9—3	41.7	4.3	41.7	12.2	345	
5	40.6	3.5	36.1	19.7	355	20—5	26.2	2.7	58.3	12.7	549	
9—1	45.7	4.1	45.7	4.4	315	12—16—1—2	70.6	7.8	7.8	13.7	204	
3	42.0	3.8	42.0	12.2	343		4	62.1	6.9	6.9	24.1	232
5	38.8	3.5	38.8	18.9	371		6	55.4	6.1	6.1	32.3	260
10—1	43.1	3.9	48.3	4.2	331	2—2	65.5	7.3	14.5	12.7	220	
3	40.1	3.6	44.6	11.7	359		4	58.1	6.4	12.9	22.6	248
5	37.2	3.3	41.3	18.1	387		6	52.2	5.8	11.6	30.4	276
12—14—1—2	71.3	6.9	7.9	13.9	202	3—2	61.0	6.8	20.3	11.9	236	
4	62.6	6.1	7.0	24.3	230		4	54.5	6.1	18.2	21.2	264
6	55.8	5.4	6.2	32.6	258		6	49.3	5.5	16.4	28.8	292
2—2	66.1	6.4	14.7	12.8	218	4—2	57.2	6.3	25.4	11.1	252	
4	58.5	5.7	13.0	22.8	246		4	51.4	5.7	22.8	20.0	280
6	52.5	5.1	11.7	30.7	274		6	46.7	5.2	20.8	27.3	308
3—2	61.5	6.0	20.5	12.0	234	5—2	53.7	6.0	29.8	10.4	268	
4	55.0	5.3	18.3	21.4	262		4	48.6	5.4	27.0	18.9	296
6	49.7	4.8	16.6	28.9	290		6	44.4	4.9	24.7	25.9	324
4—2	57.6	5.6	25.6	11.2	250	6—2	50.7	5.6	33.8	9.9	284	
4	51.8	5.0	23.0	20.1	278		4	46.2	5.1	30.7	18.0	312
6	47.1	4.6	20.9	27.4	306		6	42.3	4.7	28.2	24.7	340
5—2	54.1	5.3	30.1	10.5	266	7—2	48.0	5.3	37.3	9.3	300	
4	49.0	4.8	27.2	19.0	294		4	43.9	4.9	34.1	17.1	328
6	44.7	4.3	24.8	26.1	322		6	40.4	4.5	31.5	23.6	356
6—2	51.1	4.9	34.0	9.9	282	8—2	45.6	5.0	40.5	8.9	316	
4	46.4	4.5	31.0	18.1	310		4	41.9	4.6	37.2	16.3	344
6	42.6	4.1	28.1	24.9	338		6	38.7	4.3	34.4	22.6	372
7—2	48.3	4.7	37.6	9.4	298	10—2	41.4	4.6	45.9	8.0	348	
4	44.2	4.3	34.3	17.2	326		18—4	28.6	3.2	57.1	11.1	504
6	40.7	3.9	31.6	23.7	354		23—6	23.5	2.6	60.2	13.7	612
8—2	45.9	4.4	40.8	8.9	314	12—17—1—1	75.4	8.9	8.4	7.3	191	
4	42.1	4.1	37.4	16.4	342		3	65.7	7.8	7.3	19.2	219
6	38.9	3.8	34.6	22.7	370		5	58.3	6.9	6.5	28.3	247
11—2	28.7	2.8	35.1	33.4	362	2—1	69.6	8.2	15.4	6.8	207	
22—6	24.2	2.4	59.2	14.1	594		3	61.3	7.2	13.6	17.9	235
27—8	20.5	2.0	61.5	15.9	702		5	54.7	6.5	12.2	26.6	263
12—15—1—1	76.2	7.9	8.5	7.4	189	3—1	64.6	7.6	21.5	6.3	223	
3	66.4	6.9	7.4	19.3	217		3	57.4	6.8	19.1	16.7	251
5	58.8	6.1	6.5	28.6	245		5	51.6	6.1	17.2	25.1	279

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
12-17-4-1	60,2	7,1	26,8	5,8	239	12-19-6-1	52,7	6,9	35,2	5,1	273
3	53,9	6,4	24,0	15,7	267	3	47,8	6,3	31,9	13,9	301
5	48,8	5,8	21,7	23,7	295	5	43,8	5,7	29,2	21,3	329
5-1	56,5	6,6	31,4	5,5	255	7-1	49,8	6,6	38,7	4,8	289
3	50,9	6,0	28,3	14,8	283	12-1	39,0	5,1	52,0	3,8	369
5	46,3	5,5	25,7	22,5	311	17-3	30,2	4,0	57,0	8,8	477
6-1	53,1	6,3	35,4	5,2	271	12-20-1-2	69,2	9,6	7,7	13,5	208
3	48,1	5,7	32,1	14,0	299	4	61,0	8,5	6,8	23,7	236
5	44,0	5,2	29,3	21,4	327	6	54,5	7,6	6,1	31,8	264
7-1	50,2	5,9	39,0	4,8	287	2-2	64,3	8,9	14,3	12,5	224
3	45,7	5,4	35,6	13,3	315	4	57,1	7,9	12,7	22,2	252
5	42,0	4,9	32,6	20,4	343	6	51,4	7,1	11,4	30,0	280
8-1	47,5	5,5	42,2	4,6	303	3-2	60,0	8,3	20,0	11,7	240
3	43,5	5,1	38,7	12,7	331	4	53,7	7,4	17,9	20,9	265
5	40,1	4,7	35,7	19,5	359	6	48,6	6,8	16,2	28,4	296
10-3	39,6	4,7	44,1	11,6	363	4-2	56,2	7,8	25,0	10,9	256
16-3	31,4	3,7	55,8	9,1	459	4	50,7	7,0	22,5	19,7	284
21-5	25,4	3,0	59,3	12,3	567	6	46,2	6,4	20,5	26,9	312
12-18-1-2	69,9	8,7	7,8	13,6	206	5-2	52,9	7,3	29,4	10,3	272
4	61,5	7,7	6,8	23,9	234	4	48,0	6,7	26,7	18,6	300
8	55,0	6,8	6,1	32,1	262	6	43,9	6,1	24,4	25,6	329
2-2	64,9	8,1	14,4	12,6	222	6-2	50,0	6,9	33,3	9,7	288
4	57,6	7,2	12,8	22,4	250	4	45,6	6,3	30,4	17,7	316
6	51,8	6,5	11,5	30,2	278	6	41,9	5,8	27,9	24,4	344
3-2	60,5	7,5	20,2	11,8	238	7-2	47,4	6,6	36,8	9,2	304
4	54,1	6,8	18,0	21,1	266	4	43,4	6,0	33,7	16,9	332
6	49,0	6,1	16,3	28,6	294	6	40,0	5,5	31,1	23,3	360
4-2	56,7	7,1	25,2	11,0	254	8-2	45,0	6,2	40,0	8,7	320
4	51,0	6,4	22,7	19,8	282	4	41,4	5,7	36,8	16,1	348
6	46,5	5,8	20,6	27,1	310	6	38,3	5,3	34,0	22,3	376
5-2	53,3	6,7	29,6	10,4	270	11-12	28,3	3,9	34,7	33,1	508
4	48,3	6,0	26,8	18,8	298	12-21-1-1	73,8	10,8	8,2	7,2	195
6	44,2	5,5	24,5	25,8	326	3	64,6	9,4	7,2	18,8	223
6-2	50,3	6,3	33,6	9,8	286	5	57,4	8,3	6,4	27,9	251
4	45,8	5,7	30,6	17,8	314	2-1	68,2	9,9	15,2	6,6	211
6	42,1	5,3	28,1	24,5	342	3	60,2	8,8	13,4	17,6	239
7-2	47,7	5,9	37,1	9,3	302	5	53,9	7,9	12,0	26,2	267
4	43,6	5,4	33,9	17,0	330	3-1	63,4	9,2	21,1	6,2	227
6	40,2	5,0	31,3	23,5	358	3	56,4	8,2	18,8	16,5	255
8-2	45,3	5,7	40,2	8,8	318	5	50,9	7,4	17,0	24,7	283
4	41,6	5,2	37,0	16,2	346	4-1	59,2	8,6	26,3	5,8	243
6	38,5	4,8	34,2	22,5	374	3	53,1	7,7	23,6	15,5	271
14-2	34,8	4,3	54,1	6,7	414	5	48,1	7,0	21,4	23,4	299
19-4	27,6	3,4	58,2	10,7	522	5-1	55,6	8,1	30,9	5,4	259
12-19-1-1	74,0	9,8	8,3	7,2	193	3	50,2	7,3	27,9	14,6	287
3	65,2	8,6	7,2	19,0	221	5	45,7	6,7	25,4	22,2	315
5	57,8	7,6	6,4	28,1	249	6-1	52,3	7,6	34,9	5,1	275
2-1	68,9	9,1	15,3	6,7	209	3	47,5	6,9	31,7	13,8	303
3	60,7	8,0	13,5	17,7	237	5	43,5	6,3	29,0	21,1	331
5	54,3	7,2	12,1	26,4	265	11-1	40,6	5,9	49,6	3,9	355
3-1	64,0	8,4	21,3	6,2	225	12-22-1-2	68,6	10,5	7,6	13,3	210
3	56,9	7,5	19,0	16,6	253	4	60,5	9,2	6,7	23,5	238
5	51,1	6,8	17,1	24,9	281	6	54,1	8,3	6,0	36,5	266
4-1	59,7	7,9	26,5	5,8	241	2-2	63,7	9,7	14,2	12,4	226
3	53,5	7,1	23,8	15,6	269	4	56,7	8,7	12,6	22,0	254
5	48,5	6,4	21,5	23,6	297	6	51,1	7,8	11,3	29,8	282
5-1	56,0	7,4	31,1	5,4	257	3-2	59,5	9,1	19,8	11,6	242
3	50,5	6,7	28,1	14,7	285	4	53,3	8,1	17,8	20,7	270
5	46,0	6,0	25,6	22,4	313	6	48,3	7,4	16,1	28,2	208

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
12—22—4—2	55,8	8,5	24,8	10,9	258	12—27—3—3	55,2	10,3	18,4	16,1	261
4	50,3	7,7	22,4	19,6	286	5	49,8	9,3	16,6	24,2	289
6	45,9	7,0	20,4	26,7	314	4—1	57,8	10,8	25,7	5,6	249
8—2	44,7	6,8	39,7	8,7	322	12—30—1—4	58,5	12,2	6,5	22,8	246
22—6	23,9	3,6	58,5	13,9	602	13—5—10—3	43,0	1,4	44,1	11,5	363
12—23—1—1	73,1	11,7	8,1	7,1	197	13—6—2—2	70,3	2,7	14,4	12,6	222
3	64,0	10,2	7,1	18,7	225	4—2	61,4	2,4	25,2	11,0	254
5	56,9	9,1	6,3	27,7	253	5—2	57,8	2,2	29,6	10,4	270
2—1	67,6	10,8	15,0	6,6	213	6—2	54,5	2,1	33,6	9,8	286
3	59,7	9,5	13,3	17,4	241	9—4	43,1	1,6	39,8	15,5	362
5	53,5	8,5	11,9	26,0	269	11—4	39,6	1,5	44,7	14,2	394
3—1	62,9	10,0	21,0	6,1	229	12—8	33,5	1,3	41,2	24,0	466
3	56,0	8,9	18,7	16,3	257	13—8	32,4	1,2	43,2	23,2	482
5	50,5	8,1	16,8	24,6	285	13—7—1—1	80,9	3,0	8,3	7,2	193
4—1	58,8	9,4	26,1	5,7	245	3	70,6	3,2	7,2	19,0	221
3	52,7	8,4	23,4	15,4	273	5	62,6	2,8	6,4	28,1	249
5	47,8	7,6	21,3	23,2	301	2—1	74,6	3,3	15,3	6,7	209
5—1	55,2	8,8	30,6	5,4	261	3	65,8	2,9	13,5	17,7	237
3	49,8	8,0	27,7	14,5	289	5	58,9	2,6	12,1	26,4	265
5	45,4	7,3	25,2	22,1	317	3—1	69,3	3,1	21,3	6,2	225
6—1	52,0	8,3	34,6	5,1	277	3	61,6	2,8	19,0	16,6	233
3	47,2	7,5	31,5	13,8	305	5	55,5	2,5	17,1	24,9	281
5	43,3	6,9	28,8	21,0	333	4—1	64,7	2,9	26,5	5,8	241
10—1	42,2	6,7	46,9	4,1	341	3	58,0	2,6	23,8	15,6	269
12—24—1—2	67,9	11,3	13,2	13,2	212	5	52,5	2,4	21,5	23,6	297
4	60,0	10,0	6,7	23,3	240	5—1	60,7	2,7	31,1	5,4	257
6	53,7	9,0	6,0	31,3	268	3	54,7	2,4	28,1	14,7	285
2—2	63,1	10,5	14,0	12,4	228	5	49,8	2,2	25,6	22,4	313
4	56,2	9,3	12,5	21,9	256	6—1	57,1	2,0	35,2	5,1	273
6	50,7	8,4	11,3	29,6	284	3	51,8	2,3	31,9	13,9	301
3—2	59,0	9,8	19,7	11,5	244	5	47,4	2,1	29,2	21,3	329
4	52,9	8,8	17,6	20,6	272	8—1	51,1	2,3	42,0	4,6	305
6	48,0	8,0	16,0	28,0	300	3	46,8	2,1	38,4	12,6	333
4—2	55,4	9,2	24,6	10,8	260	5	43,2	1,9	35,4	19,4	361
4	50,0	8,3	22,2	19,4	288	9—3	44,7	2,0	41,2	12,0	349
6	45,5	7,6	20,3	26,6	316	10—3	42,7	1,9	43,8	11,5	365
10—2	40,4	6,7	44,9	7,9	356	5	39,7	1,8	40,7	17,8	393
2—25—1—1	72,3	12,6	8,0	7,1	199	13—8—1—2	75,0	3,8	7,7	13,5	208
3	63,4	11,0	7,9	18,5	227	4	66,1	3,4	6,8	23,7	236
5	56,5	9,8	6,3	27,4	6	59,1	3,0	6,1	31,8	264	
2—1	67,0	11,6	14,9	6,5	215	2—2	69,6	3,6	14,3	12,5	224
3	59,2	10,6	13,2	17,3	243	4	61,9	3,2	12,7	22,2	252
5	53,1	9,2	11,8	25,8	271	6	55,7	2,9	11,4	30,0	280
5—11	35,7	6,2	19,8	38,2	403	3—2	65,0	3,3	20,0	11,7	240
11—1	40,1	7,0	49,0	3,9	359	4	58,2	2,9	17,9	20,9	208
12—26—1—2	67,3	12,1	7,5	13,1	214	6	52,7	2,7	16,2	28,4	296
4	59,5	20,7	6,6	23,1	242	4—2	60,9	3,1	25,0	10,9	256
6	53,3	9,6	5,9	31,1	270	4	54,9	2,8	22,5	19,7	284
2—2	62,6	11,3	13,9	12,2	230	6	50,0	2,6	20,5	26,9	312
4	55,8	10,1	12,4	21,7	258	5—2	57,3	2,9	29,4	10,3	272
6	50,3	9,1	11,2	29,4	286	4	52,0	2,7	26,7	18,6	300
3—2	58,5	10,6	19,5	11,4	246	6	47,6	2,4	24,4	25,6	328
12—27—1—1	71,6	13,4	8,0	7,0	201	6—2	54,2	2,8	33,3	9,7	288
3	62,9	11,8	7,0	18,3	229	4	49,3	2,5	30,4	17,7	316
5	56,0	10,5	6,2	27,2	257	6	45,3	2,3	27,9	24,4	344
2—1	66,3	12,4	14,7	6,5	217	7—2	51,3	2,6	36,8	9,2	304
3	58,8	11,0	13,1	17,1	245	4	47,0	2,4	33,7	16,9	332
5	52,7	9,9	11,7	25,6	273	6	43,3	2,2	31,1	23,3	360
3—1	61,8	11,6	20,6	6,0	233	8—2	48,8	2,5	40,0	8,7	320

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>13 - 8 - 8 - 4</b>	44,8	2,3	36,8	16,1	348	<b>13 - 11 - 3 - 3</b>	60,7	4,2	18,7	16,3	257
<b>6</b>	41,5	2,1	34,0	22,3	376	<b>5</b>	54,7	3,9	16,8	24,6	285
<b>9 - 2</b>	46,4	2,4	42,8	8,3	336	<b>4 - 1</b>	63,7	4,5	26,1	5,7	245
<b>4</b>	42,8	2,2	39,6	15,4	364	<b>3</b>	57,1	4,0	23,4	15,4	273
<b>6</b>	39,8	2,0	36,7	21,4	392	<b>5</b>	51,8	3,7	21,3	23,2	301
<b>13 - 9 - 1 - 1</b>	80,0	4,6	8,2	7,2	195	<b>5 - 1</b>	59,8	4,2	30,6	5,4	261
<b>3</b>	70,0	4,0	7,2	18,8	223	<b>3</b>	54,0	3,8	27,7	14,5	289
<b>5</b>	62,1	3,6	6,4	27,9	251	<b>5</b>	49,2	3,5	25,2	22,0	317
<b>2 - 1</b>	73,9	4,3	15,2	6,6	211	<b>6 - 1</b>	56,3	4,0	34,7	5,0	277
<b>3</b>	65,3	3,7	13,4	17,6	239	<b>3</b>	51,1	3,6	31,5	13,8	305
<b>5</b>	58,4	3,4	12,0	26,2	267	<b>5</b>	46,8	3,3	28,8	21,0	333
<b>3 - 1</b>	68,7	3,9	21,1	6,2	227	<b>7 - 1</b>	53,2	3,8	38,2	4,8	293
<b>3</b>	61,2	3,5	18,8	16,5	255	<b>3</b>	48,6	3,4	34,9	13,1	321
<b>5</b>	55,1	3,2	17,0	24,7	283	<b>5</b>	44,7	3,1	32,0	20,1	349
<b>4 - 1</b>	64,2	3,7	26,3	5,8	243	<b>9 - 3</b>	40,9	2,9	37,8	18,4	381
<b>3</b>	57,6	3,3	23,6	15,5	271	<b>13 - 12 - 1 - 2</b>	73,6	5,7	7,5	13,2	212
<b>5</b>	52,1	3,0	21,4	23,4	299	<b>4</b>	65,0	5,0	6,7	23,3	240
<b>5 - 1</b>	60,2	3,5	30,9	5,4	259	<b>6</b>	58,2	4,5	6,0	31,3	268
<b>3</b>	54,3	3,1	27,9	14,6	287	<b>2 - 2</b>	68,4	5,3	14,0	12,3	228
<b>5</b>	49,5	2,9	25,4	22,2	315	<b>4</b>	60,9	4,7	12,5	21,9	256
<b>7</b>	45,5	2,6	23,3	28,6	343	<b>6</b>	54,9	4,2	11,3	29,6	284
<b>6 - 1</b>	56,7	3,3	34,9	5,1	275	<b>3 - 2</b>	63,9	4,9	19,7	11,5	244
<b>3</b>	51,5	3,0	31,7	13,8	303	<b>4</b>	57,4	4,4	17,6	20,6	272
<b>5</b>	47,1	2,7	29,0	21,2	331	<b>6</b>	52,0	4,0	16,0	28,0	300
<b>7 - 1</b>	53,6	3,1	38,5	4,8	291	<b>4 - 2</b>	60,0	4,6	24,6	10,8	260
<b>3</b>	48,9	2,8	35,1	13,2	319	<b>4</b>	54,2	4,2	22,2	19,4	288
<b>5</b>	44,9	2,6	32,3	20,2	347	<b>6</b>	49,3	3,8	20,3	26,6	316
<b>8 - 1</b>	50,8	2,9	41,7	4,6	307	<b>5 - 2</b>	56,5	4,3	29,0	10,1	276
<b>3</b>	46,6	2,7	38,2	12,5	335	<b>4</b>	51,3	3,9	26,3	18,4	304
<b>5</b>	43,0	2,5	35,2	19,3	363	<b>6</b>	47,0	3,6	24,1	25,3	332
<b>9 - 5</b>	41,1	2,4	38,0	18,5	379	<b>6 - 2</b>	53,4	4,1	32,9	9,6	292
<b>13 - 10 - 1 - 2</b>	74,3	4,8	7,6	13,3	210	<b>4</b>	48,8	3,7	30,0	17,5	320
<b>4</b>	65,5	4,2	6,7	23,5	238	<b>6</b>	44,8	3,4	27,6	24,1	348
<b>6</b>	58,6	3,8	6,0	31,6	266	<b>7 - 2</b>	50,6	3,9	36,4	9,1	308
<b>2 - 2</b>	69,0	4,4	14,2	12,4	226	<b>4</b>	46,4	3,6	33,3	16,7	336
<b>4</b>	61,4	3,9	12,6	22,0	254	<b>6</b>	42,8	3,3	30,8	23,1	364
<b>6</b>	55,3	3,5	11,3	29,8	282	<b>8 - 2</b>	48,2	3,7	39,5	8,6	324
<b>3 - 2</b>	64,5	4,1	19,8	11,6	242	<b>4</b>	44,3	3,4	36,4	15,9	352
<b>4</b>	57,8	3,7	17,8	20,7	270	<b>6</b>	41,0	3,2	33,7	22,1	380
<b>6</b>	52,3	3,4	16,0	28,2	298	<b>9 - 6</b>	39,4	3,0	36,4	21,2	396
<b>4 - 2</b>	60,5	3,9	24,8	10,8	258	<b>12 - 4</b>	37,5	2,9	46,2	13,4	416
<b>4</b>	54,5	3,5	22,4	19,6	286	<b>13 - 13 - 1 - 1</b>	78,4	6,5	8,0	7,0	199
<b>6</b>	49,7	3,2	20,4	26,7	314	<b>3</b>	68,7	5,7	7,0	18,5	227
<b>5 - 2</b>	56,9	3,6	29,2	10,2	274	<b>5</b>	61,2	5,1	6,2	27,4	255
<b>4</b>	51,7	3,3	26,5	18,5	302	<b>2 - 1</b>	72,6	6,0	14,9	6,5	215
<b>6</b>	47,3	3,0	24,2	25,4	330	<b>3</b>	64,2	5,3	13,2	17,3	243
<b>6 - 2</b>	53,8	3,4	33,1	9,7	290	<b>5</b>	57,6	4,8	11,8	25,8	271
<b>4</b>	49,1	3,1	30,2	17,6	318	<b>3 - 1</b>	67,5	5,6	20,8	6,1	231
<b>6</b>	45,1	2,9	27,7	24,3	346	<b>3</b>	60,2	5,0	18,5	16,2	259
<b>7 - 2</b>	51,0	3,3	36,6	9,1	306	<b>5</b>	54,3	4,5	16,7	24,4	287
<b>4</b>	46,7	3,0	33,5	16,8	334	<b>4 - 1</b>	63,2	5,2	25,9	5,7	247
<b>6</b>	43,1	2,8	30,9	23,2	362	<b>3</b>	56,7	4,7	23,3	15,3	275
<b>13 - 11 - 1 - 1</b>	79,2	5,6	8,1	7,1	197	<b>5</b>	51,5	4,3	21,1	23,1	303
<b>3</b>	69,3	4,9	7,0	18,7	225	<b>5 - 1</b>	59,3	4,9	30,4	5,3	263
<b>5</b>	61,7	4,3	6,3	27,7	253	<b>3</b>	53,6	4,5	27,5	14,4	291
<b>2 - 1</b>	73,2	5,2	15,0	6,6	213	<b>5</b>	48,9	4,1	25,1	21,9	319
<b>3</b>	64,7	4,6	13,3	17,4	241	<b>6 - 1</b>	55,9	4,7	34,4	5,0	279
<b>5</b>	58,0	4,1	11,9	26,0	269	<b>3</b>	50,8	4,2	31,3	13,7	307
<b>3 - 1</b>	68,1	4,8	21,0	6,1	229	<b>5</b>	46,6	3,9	28,6	20,9	335

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>13—13—7—1</b>	52,9	4,4	38,0	4,7	295	<b>13—16—2—4</b>	60,0	6,1	12,3	21,5	260
3	48,3	4,0	34,7	13,0	323	<b>6</b>	54,2	5,5	11,1	29,2	288
5	44,5	3,7	31,9	19,9	351	<b>3—2</b>	62,9	6,4	19,3	11,3	248
<b>8—1</b>	50,2	4,2	41,1	4,5	311	<b>4</b>	50,5	5,8	17,4	20,3	276
3	46,0	3,8	37,8	12,4	339	<b>6</b>	51,3	5,3	15,8	27,6	304
5	42,5	3,5	34,9	19,1	367	<b>4—2</b>	59,1	6,1	24,2	10,6	264
9—1	47,7	4,0	44,0	4,3	327	<b>4</b>	53,4	5,5	21,9	19,2	292
3	43,9	3,7	40,6	11,8	355	<b>6</b>	48,8	5,0	20,0	26,2	320
5	40,7	3,4	37,6	18,3	383	<b>5—2</b>	55,7	5,7	28,6	10,0	280
<b>10—3</b>	42,0	3,5	43,1	11,3	371	<b>4</b>	50,6	5,2	26,0	18,2	308
<b>11—3</b>	40,3	3,3	48,5	10,9	387	<b>6</b>	46,4	4,8	23,8	25,0	336
<b>13—14—1—2</b>	72,9	6,5	7,5	13,1	214	<b>6—2</b>	52,7	5,4	32,4	9,5	206
<b>4</b>	64,5	5,8	6,6	23,1	242	<b>4</b>	48,1	4,9	29,6	17,3	324
<b>6</b>	57,8	5,2	5,9	31,1	270	<b>6</b>	44,3	4,5	27,3	23,9	352
<b>2—2</b>	67,8	6,1	13,9	12,2	230	<b>7—2</b>	50,5	5,1	35,9	9,0	312
<b>4</b>	60,5	5,4	12,4	21,7	258	<b>4</b>	45,9	4,7	32,9	16,5	340
<b>6</b>	54,5	4,9	11,2	29,4	286	<b>6</b>	42,4	4,3	30,4	22,5	368
<b>3—2</b>	63,4	5,7	19,5	11,4	246	<b>8</b>	39,4	4,0	28,3	28,3	396
<b>4</b>	56,9	5,1	17,5	20,4	274	<b>13—17—1—1</b>	76,8	8,4	7,9	6,9	203
<b>6</b>	51,7	4,6	15,9	27,8	302	<b>3</b>	67,5	7,4	6,9	18,2	231
<b>4—2</b>	59,5	5,3	24,4	10,7	262	<b>5</b>	60,2	6,6	6,2	27,0	250
<b>4</b>	53,8	4,8	22,1	19,3	290	<b>2—1</b>	71,2	7,7	14,6	6,4	219
<b>6</b>	49,1	4,4	20,1	26,4	318	<b>3</b>	63,2	6,9	12,9	17,0	247
<b>5—2</b>	56,1	5,0	28,8	10,1	278	<b>5</b>	56,7	6,2	11,6	25,4	275
<b>4</b>	51,0	4,6	26,1	18,3	306	<b>3—1</b>	66,4	7,2	20,4	5,9	235
<b>6</b>	46,7	4,2	23,9	25,2	334	<b>3</b>	59,3	6,5	18,2	16,0	263
<b>6—2</b>	53,1	4,8	32,6	9,5	294	<b>5</b>	53,6	5,8	16,5	24,0	201
<b>4</b>	48,4	4,3	29,8	17,4	322	<b>4—1</b>	62,1	6,8	25,5	5,6	251
<b>6</b>	44,6	4,0	27,4	24,0	350	<b>3</b>	55,9	6,1	22,9	15,1	279
<b>7—2</b>	50,3	4,5	36,1	9,0	310	<b>5</b>	50,8	5,5	20,8	22,5	307
<b>4</b>	46,2	4,1	33,1	16,6	338	<b>5—1</b>	58,4	6,0	30,0	5,2	267
<b>6</b>	42,6	3,8	30,6	22,9	366	<b>3</b>	52,9	5,7	27,1	14,2	295
<b>8—2</b>	47,9	4,3	39,2	8,6	326	<b>5</b>	48,3	5,2	24,8	21,7	323
<b>13—15—1—1</b>	77,6	7,4	8,0	7,0	201	<b>6—1</b>	55,1	6,0	33,9	4,9	283
<b>3</b>	68,1	6,5	7,0	18,3	229	<b>3</b>	50,1	5,5	30,9	13,5	311
<b>5</b>	60,7	5,8	6,2	27,2	257	<b>5</b>	46,0	5,0	28,3	20,6	330
<b>2—1</b>	71,9	6,9	14,7	6,4	217	<b>7—1</b>	52,1	5,7	37,4	4,7	209
<b>3</b>	63,7	6,1	13,1	17,1	245	<b>8—1</b>	49,5	5,4	40,6	4,4	315
<b>5</b>	57,1	5,5	11,7	25,6	273	<b>13—18—1—2</b>	71,6	8,2	7,3	12,8	218
<b>3—1</b>	66,9	6,4	20,6	6,0	233	<b>4</b>	63,4	7,3	6,5	22,8	246
<b>3</b>	59,7	5,7	18,4	16,1	261	<b>6</b>	56,9	6,5	5,8	30,7	274
<b>5</b>	54,0	5,2	18,6	24,2	289	<b>2—2</b>	66,6	7,7	13,7	12,0	234
<b>4—1</b>	62,6	6,0	25,7	5,6	249	<b>4</b>	59,5	6,8	12,2	21,4	262
<b>3</b>	56,3	5,4	23,1	15,2	277	<b>6</b>	53,8	6,2	11,0	29,0	290
<b>5</b>	51,1	4,9	21,0	22,9	305	<b>3—2</b>	62,4	7,2	19,2	11,2	250
<b>5—1</b>	58,8	5,7	30,2	5,3	265	<b>4</b>	56,1	6,5	17,3	20,1	278
<b>3</b>	53,2	5,1	27,3	14,3	293	<b>6</b>	51,0	5,9	15,7	27,4	306
<b>5</b>	48,6	4,7	24,9	21,8	321	<b>4—2</b>	58,6	6,8	24,1	10,5	266
<b>6—1</b>	55,5	5,3	34,2	5,0	281	<b>4</b>	53,1	6,1	21,8	19,0	294
<b>3</b>	50,5	4,8	31,1	13,6	309	<b>6</b>	48,4	5,6	19,9	26,1	322
<b>5</b>	46,3	4,4	28,5	20,8	337	<b>5—2</b>	55,3	6,4	28,4	9,9	282
<b>7—1</b>	52,5	5,0	37,7	4,7	297	<b>4</b>	50,3	5,8	25,8	18,1	310
<b>3</b>	48,0	4,6	34,5	12,9	325	<b>6</b>	46,2	5,3	23,7	24,8	338
<b>5</b>	44,2	4,2	31,7	19,8	353	<b>6—2</b>	52,4	6,0	32,2	9,4	298
<b>9—1</b>	47,4	4,7	43,7	4,2	329	<b>4</b>	47,8	5,5	29,4	17,2	326
<b>13—16—1—2</b>	72,2	7,4	7,4	13,0	216	<b>6</b>	44,1	5,1	27,1	23,7	354
<b>4</b>	63,9	6,5	6,5	23,0	244	<b>3</b>	66,9	8,2	6,9	18,0	233
<b>6</b>	57,3	5,9	5,9	30,9	272	<b>5</b>	59,8	7,3	6,1	26,8	261
<b>2—2</b>	67,2	6,9	13,8	12,1	232						

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>13—19—2—1</b>	70,6	8,6	14,5	6,3	221	<b>13—22—4—4</b>	52,3	7,4	21,5	18,8	298
<b>3</b>	62,6	7,6	12,9	16,9	249	<b>5—4</b>	49,7	7,0	25,5	17,8	314
<b>5</b>	56,3	6,9	11,5	25,3	277	<b>7—2</b>	49,1	6,9	35,2	8,8	318
<b>3—1</b>	65,8	8,0	20,2	5,9	237	<b>13—23—1—1</b>	74,6	11,0	7,6	6,7	209
<b>3</b>	58,9	7,1	18,1	15,9	265	<b>3</b>	65,8	9,7	6,7	17,7	237
<b>5</b>	53,2	6,5	16,4	23,9	293	<b>5</b>	58,9	8,7	6,0	26,4	265
<b>4—1</b>	61,7	7,5	25,3	5,5	253	<b>2—1</b>	69,3	10,2	14,2	6,2	225
<b>3</b>	55,5	6,8	22,8	14,9	281	<b>3</b>	61,7	9,1	12,6	16,6	253
<b>5</b>	50,5	6,1	20,7	22,6	309	<b>5</b>	55,5	8,2	11,4	24,9	281
<b>5—1</b>	58,0	7,1	29,7	5,2	269	<b>3—1</b>	64,7	9,5	19,9	5,8	241
<b>3</b>	52,5	6,4	26,9	14,1	297	<b>3</b>	58,0	8,5	17,8	15,6	269
<b>5</b>	48,0	5,8	24,6	21,5	325	<b>5</b>	52,5	7,7	16,2	23,6	297
<b>6—1</b>	54,7	6,7	33,7	4,9	285	<b>4—1</b>	60,7	9,0	24,9	5,4	257
<b>3</b>	49,8	6,1	30,7	13,4	313	<b>3</b>	54,7	8,1	22,5	14,7	285
<b>5</b>	45,7	5,6	28,2	20,5	341	<b>5</b>	49,9	7,3	20,4	22,4	313
<b>13—20—1—2</b>	70,9	9,1	7,3	12,7	220	<b>5—1</b>	57,1	8,4	29,3	5,1	273
<b>4</b>	62,9	8,1	6,4	22,6	248	<b>3</b>	51,8	7,6	26,6	14,0	301
<b>8</b>	56,5	7,2	5,8	30,4	276	<b>5</b>	47,4	7,0	24,3	21,3	329
<b>2—2</b>	66,1	8,5	13,6	11,8	236	<b>4</b>	61,9	9,5	6,4	12,5	224
<b>4</b>	59,1	7,6	12,1	21,2	264	<b>6</b>	55,7	8,6	5,7	30,0	280
<b>8</b>	53,4	6,8	11,0	28,8	292	<b>2—2</b>	65,0	10,0	13,3	11,7	240
<b>3—2</b>	61,9	7,9	19,0	11,1	252	<b>4</b>	58,2	8,9	11,9	20,9	268
<b>4</b>	55,7	7,1	17,1	20,0	280	<b>6</b>	53,7	8,1	10,8	28,3	296
<b>6</b>	50,6	6,5	15,6	27,3	308	<b>3—2</b>	60,9	9,4	18,7	10,9	256
<b>4—2</b>	58,2	7,4	23,9	10,4	268	<b>4</b>	54,9	8,4	16,9	19,7	284
<b>4</b>	52,7	6,7	21,6	18,9	296	<b>6</b>	50,0	7,7	15,4	26,9	312
<b>6</b>	48,2	6,2	19,7	25,9	324	<b>4—2</b>	57,3	8,8	23,5	10,3	272
<b>5—2</b>	54,9	7,0	28,2	9,8	284	<b>4</b>	52,0	8,0	21,3	18,7	300
<b>4</b>	50,0	6,4	25,6	18,0	312	<b>6</b>	47,5	7,3	19,5	25,6	328
<b>6</b>	45,9	5,9	23,5	24,7	340	<b>5—2</b>	54,1	8,1	27,8	9,7	288
<b>6—2</b>	52,0	6,7	32,0	9,3	300	<b>4</b>	49,4	7,6	25,3	17,7	316
<b>4</b>	47,5	6,1	29,3	17,1	328	<b>6</b>	45,3	7,0	23,3	24,4	344
<b>6</b>	43,8	5,6	27,0	23,6	356	<b>6—4</b>	47,0	7,2	28,9	16,9	332
<b>7—2</b>	49,4	6,3	35,4	8,9	316	<b>7—2</b>	48,7	7,5	35,0	8,7	320
<b>13—21—1—1</b>	73,4	10,1	7,7	6,8	207	<b>13—25—1—1</b>	73,9	11,8	7,6	6,6	211
<b>3</b>	66,4	8,9	6,8	17,9	235	<b>3</b>	65,3	10,4	6,7	17,6	239
<b>5</b>	59,3	8,0	6,1	26,6	263	<b>5</b>	58,4	9,4	6,0	26,2	267
<b>2—1</b>	70,0	9,0	14,3	6,3	223	<b>2—1</b>	68,7	11,0	14,1	6,2	227
<b>3</b>	62,2	8,4	12,7	16,7	251	<b>3</b>	61,2	9,8	12,5	16,5	255
<b>5</b>	55,9	7,5	11,5	25,1	279	<b>5</b>	55,1	8,8	11,3	24,7	283
<b>3—1</b>	65,3	8,8	20,1	5,8	239	<b>3—1</b>	64,2	10,3	19,8	5,7	243
<b>3</b>	58,4	7,9	18,0	15,7	267	<b>3</b>	57,6	9,2	17,7	15,5	271
<b>5</b>	52,9	7,1	16,3	23,7	295	<b>5</b>	52,1	8,4	16,0	23,4	299
<b>4—1</b>	61,2	8,2	25,1	5,5	255	<b>4—1</b>	60,2	9,6	24,7	5,4	259
<b>3</b>	55,1	7,4	22,6	14,8	283	<b>3</b>	54,4	8,7	22,3	14,6	287
<b>5</b>	50,2	6,7	20,5	22,5	311	<b>5</b>	49,5	7,9	20,3	22,2	315
<b>5—1</b>	57,6	7,7	29,5	5,2	271	<b>5—1</b>	56,7	9,1	29,1	5,1	275
<b>3</b>	52,2	7,0	26,7	14,0	299	<b>3</b>	51,4	8,3	26,4	13,9	303
<b>5</b>	47,7	6,4	24,5	21,4	327	<b>5</b>	47,1	7,6	24,2	21,1	331
<b>13—22—1—2</b>	70,3	9,9	7,2	12,6	222	<b>13—26—1—2</b>	69,0	11,5	7,1	12,4	226
<b>4</b>	62,4	8,8	6,4	22,4	250	<b>4</b>	61,4	10,2	6,3	22,1	254
<b>6</b>	56,1	7,9	5,7	30,2	278	<b>6</b>	55,3	9,2	5,7	29,8	282
<b>2—2</b>	65,5	9,2	13,4	11,8	238	<b>2—2</b>	64,5	10,7	13,2	11,6	242
<b>4</b>	58,6	8,3	12,0	21,1	266	<b>4</b>	57,8	9,6	11,8	20,7	270
<b>6</b>	53,0	7,5	10,9	28,6	294	<b>6</b>	52,4	8,7	10,7	28,2	298
<b>3—2</b>	61,4	8,7	18,9	11,0	254	<b>3—2</b>	60,5	10,1	18,6	10,8	258
<b>4</b>	55,3	7,8	17,0	19,9	282	<b>4</b>	54,5	9,1	16,8	19,6	286
<b>6</b>	50,3	7,1	15,5	27,1	310	<b>6</b>	49,7	8,3	15,3	26,7	314
<b>4—2</b>	57,8	8,1	23,7	10,4	270						

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>13—26—4—2</b>	56,9	9,5	23,4	10,2	274	<b>14—7—3—1</b>	70,9	2,9	20,2	5,9	237
<b>4</b>	51,7	8,6	21,2	18,5	302	<b>3</b>	63,4	2,6	18,1	15,9	265
<b>6</b>	47,3	7,9	19,4	25,4	330	<b>5</b>	57,3	2,4	16,4	23,9	293
<b>5—2</b>	53,8	9,0	27,6	9,6	290	<b>4—1</b>	66,4	2,8	25,3	5,5	253
<b>4</b>	49,0	8,2	25,2	17,6	318	<b>3</b>	59,8	2,5	22,8	14,9	281
<b>6</b>	45,1	7,5	23,1	24,3	346	<b>5</b>	54,4	2,3	20,7	22,6	309
<b>6—2</b>	51,0	8,5	31,4	9,1	306	<b>5—1</b>	62,4	2,6	29,7	5,2	269
<b>4</b>	46,7	7,8	28,7	16,8	334	<b>3</b>	56,6	2,4	26,9	14,1	297
<b>6</b>	43,1	7,2	26,5	23,2	363	<b>5</b>	51,7	2,1	24,6	21,5	325
<b>10—4</b>	39,2	6,5	40,2	14,1	398	<b>6—1</b>	58,9	2,4	33,7	4,9	285
<b>13—27—1—1</b>	73,2	12,7	7,5	6,6	213	<b>3</b>	53,7	2,2	30,7	13,4	313
<b>3</b>	64,7	11,2	6,6	17,4	241	<b>5</b>	49,3	2,0	28,2	20,5	341
<b>5</b>	58,0	10,0	5,9	26,0	269	<b>7—1</b>	55,8	2,3	37,2	4,6	301
<b>2—1</b>	68,1	11,8	14,0	6,1	229	<b>3</b>	51,1	2,1	34,0	12,8	329
<b>3</b>	60,7	10,5	12,4	16,3	257	<b>5</b>	47,0	2,0	31,4	19,6	357
<b>5</b>	54,7	9,5	11,2	24,6	285	<b>8—1</b>	53,0	2,2	40,4	4,4	317
<b>3—1</b>	63,7	11,0	19,6	5,7	245	<b>3</b>	48,7	2,0	37,1	12,2	345
<b>3</b>	57,1	9,9	17,6	15,4	273	<b>5</b>	45,0	1,9	34,3	18,8	373
<b>5</b>	51,8	9,0	15,9	23,2	301	<b>10—5</b>	41,5	1,7	39,5	17,3	405
<b>4—1</b>	59,8	10,3	24,5	5,4	261	<b>11—3</b>	42,7	1,8	44,8	10,7	393
<b>3</b>	54,0	9,3	22,1	14,5	289	<b>14—8—1—2</b>	76,4	3,6	7,3	12,7	220
<b>5</b>	49,2	8,5	20,2	22,1	317	<b>4</b>	67,7	3,2	6,4	22,6	248
<b>13—28—1—2</b>	68,4	12,3	7,0	12,3	228	<b>6</b>	60,9	2,9	5,8	30,4	276
<b>4</b>	60,9	10,9	6,2	21,9	256	<b>2—2</b>	71,2	3,4	13,6	11,8	236
<b>6</b>	54,9	9,9	5,6	29,6	284	<b>4</b>	63,6	3,0	12,1	21,2	264
<b>2—2</b>	63,9	11,5	13,1	11,5	244	<b>6</b>	57,5	2,7	10,9	28,8	292
<b>4</b>	57,3	10,3	11,8	20,6	272	<b>3—2</b>	66,7	3,2	19,0	11,1	252
<b>6</b>	52,0	9,3	10,7	28,0	300	<b>4</b>	60,0	2,9	17,1	20,0	280
<b>3—2</b>	60,0	10,8	18,4	10,8	260	<b>6</b>	54,5	2,6	15,6	27,3	308
<b>4</b>	54,2	9,7	16,7	19,4	288	<b>4—2</b>	62,7	3,0	23,9	10,4	268
<b>6</b>	49,4	8,8	15,2	26,6	316	<b>4</b>	56,7	2,7	21,6	18,9	296
<b>6—4</b>	46,4	8,3	28,6	16,7	336	<b>6</b>	51,8	2,5	19,7	25,9	324
<b>13—29—1—1</b>	72,6	13,5	7,4	6,5	215	<b>5—2</b>	59,2	2,8	28,2	9,8	284
<b>3</b>	64,2	11,9	6,6	17,3	243	<b>4</b>	53,8	2,6	25,6	17,9	312
<b>5</b>	57,6	10,7	5,9	25,8	271	<b>6</b>	49,4	2,3	23,5	24,7	340
<b>2—1</b>	67,6	12,5	13,9	6,0	231	<b>6—2</b>	56,0	2,7	32,0	9,3	300
<b>3</b>	60,2	11,2	12,3	16,2	259	<b>4</b>	51,2	2,4	29,3	17,1	328
<b>5</b>	54,3	10,1	11,1	24,4	287	<b>6</b>	47,2	2,2	27,0	23,6	356
<b>14—4—10—4</b>	43,3	1,0	41,2	14,4	388	<b>7—2</b>	53,2	2,5	35,4	8,9	316
<b>12—4</b>	40,0	1,9	45,7	13,3	420	<b>4</b>	48,8	2,3	32,6	16,3	344
<b>14—5—11—5</b>	40,1	1,2	42,0	16,7	419	<b>6</b>	45,2	2,1	30,1	22,6	372
<b>14—6—4—2</b>	63,2	2,2	24,0	10,6	266	<b>8—2</b>	50,6	2,4	38,6	8,4	332
<b>6—2</b>	56,4	2,0	32,2	9,4	298	<b>4</b>	46,7	2,2	35,5	15,5	360
<b>4</b>	51,5	1,8	29,4	17,2	326	<b>6</b>	43,3	2,1	33,0	21,6	388
<b>6</b>	47,5	1,7	27,1	23,7	354	<b>9—2</b>	48,3	2,3	41,4	8,0	348
<b>7—2</b>	53,5	1,9	35,7	8,9	314	<b>4</b>	44,7	2,1	38,3	14,9	376
<b>4</b>	49,1	1,7	32,7	16,4	342	<b>6</b>	41,6	2,0	35,6	20,8	404
<b>6</b>	45,4	1,6	29,2	22,7	370	<b>10—6</b>	40,0	1,9	38,1	20,0	420
<b>8—2</b>	50,9	1,8	38,8	8,5	330	<b>14—10</b>	31,1	1,5	41,5	25,9	540
<b>4</b>	46,9	1,7	35,7	15,6	358	<b>3</b>	81,2	4,3	7,7	6,8	207
<b>6</b>	43,5	1,5	33,2	21,8	386	<b>3</b>	71,5	3,8	6,8	17,9	235
<b>9—4</b>	44,9	1,6	38,5	15,0	374	<b>5</b>	63,9	3,4	6,1	26,6	263
<b>14—8</b>	32,9	1,2	43,9	22,0	510	<b>2—1</b>	75,3	4,0	14,3	6,3	223
<b>14—7—1—1</b>	82,0	3,4	7,8	6,8	205	<b>3</b>	66,9	3,6	12,7	16,7	251
<b>3</b>	72,1	3,0	6,9	18,0	233	<b>5</b>	60,2	3,2	11,5	25,1	279
<b>5</b>	64,4	2,7	6,1	26,8	261	<b>3—1</b>	71,4	3,7	20,1	5,8	239
<b>2—1</b>	76,0	3,2	14,5	6,3	221	<b>3</b>	62,9	3,4	18,0	15,7	267
<b>3</b>	67,5	2,8	12,9	16,8	249	<b>5</b>	56,9	3,0	10,3	23,7	295
<b>5</b>	60,6	2,5	11,6	25,3	277	<b>4—1</b>	65,9	3,5	25,1	5,5	255

C - H - O - N	C %	H %	O %	N %	M.G.	C - H - O - N	C %	H %	O %	N %	M.G.
<b>14 - 9 - 4 - 3</b>	59.4	3.2	22.6	14.8	283	<b>14 - 11 - 4 - 5</b>	53.7	3.5	20.4	22.4	313
<b>5</b>	54.0	2.9	20.6	22.5	311	<b>5 - 1</b>	61.5	4.0	29.3	5.1	273
<b>5 - 1</b>	62.0	3.3	29.5	5.2	271	<b>3</b>	55.8	3.6	26.6	14.0	301
<b>3</b>	56.2	3.0	26.7	14.0	299	<b>5</b>	51.1	3.3	24.3	21.3	329
<b>5</b>	51.4	2.7	24.5	21.4	327	<b>6 - 1</b>	58.1	3.8	33.2	4.8	289
<b>6 - 1</b>	58.5	3.1	33.4	4.9	287	<b>3</b>	53.0	3.5	30.3	13.2	317
<b>3</b>	53.3	2.9	30.5	13.3	315	<b>5</b>	48.7	3.2	27.8	20.3	345
<b>5</b>	49.0	2.6	28.0	20.4	343	<b>7 - 1</b>	55.1	3.6	36.7	4.6	306
<b>7 - 1</b>	55.4	3.0	37.0	4.6	303	<b>3</b>	50.4	3.3	33.6	12.6	333
<b>3</b>	50.8	2.7	33.8	12.7	331	<b>5</b>	46.5	3.0	31.0	19.4	361
<b>5</b>	46.8	2.5	31.2	19.5	359	<b>8 - 1</b>	52.3	3.4	39.9	4.4	321
<b>8 - 1</b>	52.7	2.8	40.1	4.4	319	<b>3</b>	48.1	3.1	36.7	12.0	349
<b>3</b>	48.4	2.6	36.9	12.1	347	<b>5</b>	44.6	2.9	33.9	18.6	377
<b>5</b>	44.8	2.4	34.1	18.7	375	<b>9 - 5</b>	42.7	2.8	36.6	17.8	393
<b>9 - 3</b>	46.3	2.5	39.6	11.6	363	<b>10 - 7</b>	38.4	2.5	36.6	22.4	437
<b>10 - 3</b>	44.3	2.4	42.2	11.1	379	<b>14 - 7</b>	33.5	2.2	44.7	19.6	501
<b>12 - 2</b>	36.0	1.9	41.1	21.0	467	<b>14 - 12 - 1 - 2</b>	75.0	5.4	7.1	12.5	224
<b>14 - 10 - 1 - 2</b>	75.7	4.5	7.2	12.6	222	<b>4</b>	66.7	4.8	6.3	22.2	252
<b>4</b>	67.2	4.0	6.4	22.4	250	<b>6</b>	60.0	4.3	5.7	30.0	280
<b>6</b>	60.4	3.6	5.8	30.2	278	<b>2 - 2</b>	70.0	5.0	13.3	11.7	240
<b>2 - 2</b>	70.6	4.2	13.4	11.8	238	<b>4</b>	62.7	4.5	11.9	20.9	268
<b>4</b>	63.2	3.8	12.0	21.0	266	<b>6</b>	56.8	4.0	10.8	28.4	296
<b>6</b>	57.1	3.4	10.9	28.6	294	<b>3 - 2</b>	65.6	4.7	18.7	10.9	256
<b>3 - 2</b>	66.1	3.9	18.9	11.0	254	<b>4</b>	59.2	4.2	16.9	19.7	284
<b>4</b>	59.6	3.5	17.0	19.9	282	<b>6</b>	53.8	3.8	15.4	26.9	312
<b>6</b>	54.2	3.2	15.5	27.1	310	<b>4 - 2</b>	61.8	4.4	23.5	10.3	272
<b>4 - 2</b>	62.2	3.7	23.7	10.4	270	<b>4</b>	56.0	4.0	21.3	18.7	300
<b>4</b>	56.4	3.3	21.5	18.8	298	<b>6</b>	51.2	3.7	19.5	25.6	328
<b>6</b>	51.5	3.1	19.6	25.8	326	<b>5 - 2</b>	58.3	4.2	27.8	9.7	288
<b>8</b>	47.5	2.8	18.1	31.6	354	<b>4</b>	53.2	3.8	25.3	17.7	316
<b>5 - 2</b>	58.7	3.5	28.0	9.8	286	<b>6</b>	48.8	3.5	23.3	24.4	344
<b>4</b>	53.5	3.2	25.5	17.8	314	<b>6 - 2</b>	55.3	3.9	31.6	9.2	304
<b>6</b>	49.1	2.9	23.4	24.6	342	<b>4</b>	50.6	3.6	28.9	16.9	332
<b>6 - 2</b>	55.6	3.3	31.8	9.3	302	<b>6</b>	66.7	3.3	26.7	23.3	360
<b>4</b>	50.9	3.0	29.1	17.0	330	<b>7 - 2</b>	52.5	3.7	35.0	8.7	320
<b>6</b>	46.9	2.8	26.8	23.5	358	<b>4</b>	48.3	3.4	32.2	16.1	348
<b>7 - 2</b>	52.8	3.1	35.2	8.8	318	<b>6</b>	44.7	3.2	29.8	22.3	376
<b>4</b>	48.6	2.9	32.2	16.2	346	<b>8 - 2</b>	50.0	3.6	38.1	8.3	336
<b>6</b>	44.9	2.7	30.0	22.4	374	<b>4</b>	46.1	3.3	35.2	15.4	364
<b>8 - 2</b>	50.3	3.0	38.3	8.4	334	<b>6</b>	42.9	3.1	32.6	21.4	392
<b>4</b>	46.2	2.8	35.4	15.5	362	<b>12 - 2</b>	42.0	3.0	48.0	7.0	400
<b>6</b>	43.1	2.6	32.8	21.5	390	<b>14 - 13 - 1 - 1</b>	79.6	6.2	7.6	6.6	211
<b>9 - 2</b>	48.0	2.9	41.1	8.0	350	<b>3</b>	70.3	5.4	6.7	17.6	239
<b>4</b>	44.4	2.6	38.1	14.8	378	<b>5</b>	62.9	4.9	6.0	26.2	267
<b>6</b>	41.4	2.4	35.5	20.7	406	<b>2 - 1</b>	74.0	5.7	14.1	6.2	227
<b>10 - 8</b>	37.3	2.2	35.5	24.9	450	<b>3</b>	65.9	5.1	12.5	10.5	255
<b>11 - 2</b>	44.0	2.6	46.1	7.3	382	<b>5</b>	59.4	4.6	11.3	24.7	283
<b>12 - 8</b>	34.9	2.1	39.8	23.2	482	<b>7</b>	51.7	4.0	9.8	34.4	325
<b>14 - 11 - 1 - 1</b>	80.4	5.2	7.6	6.7	209	<b>3 - 1</b>	69.1	5.3	19.8	5.8	243
<b>3</b>	70.9	4.6	6.8	17.7	237	<b>3</b>	62.0	4.8	17.7	15.5	271
<b>5</b>	63.4	4.1	6.0	26.4	265	<b>5</b>	56.2	4.3	16.0	23.4	299
<b>2 - 1</b>	74.7	4.9	14.2	6.2	225	<b>4 - 1</b>	64.9	5.0	24.7	5.4	259
<b>3</b>	66.4	4.3	12.6	16.6	253	<b>3</b>	58.6	4.5	22.3	14.6	287
<b>4</b>	59.8	3.9	11.4	24.9	281	<b>5</b>	53.3	4.1	20.3	22.2	315
<b>3 - 1</b>	69.7	4.6	19.9	5.8	241	<b>5 - 1</b>	61.1	4.7	29.1	5.1	275
<b>3</b>	62.4	4.1	17.8	15.6	269	<b>3</b>	55.4	4.3	26.4	13.9	303
<b>5</b>	56.5	3.7	16.2	23.6	297	<b>5</b>	50.8	3.9	24.2	21.1	331
<b>4 - 1</b>	65.4	4.3	24.9	5.4	257	<b>6 - 1</b>	57.7	4.5	33.0	4.8	291
<b>3</b>	59.0	3.9	22.4	14.7	285	<b>3</b>	52.7	4.0	30.1	13.2	319

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>14—13—6—5</b>	48,4	3,7	27,7	20,2	347	<del>10—18—1—6</del>	59,2	5,6	5,6	29,6	284
7—1	54,7	4,2	36,5	4,6	307	<del>2—2</del>	68,8	6,6	13,1	11,5	244
<b>3</b>	50,2	3,9	33,4	12,5	335	<del>14</del>	61,8	5,9	11,8	20,6	272
<b>5</b>	46,3	3,6	30,8	19,3	363	<del>6</del>	56,0	5,3	10,7	28,0	300
<b>8—1</b>	52,0	4,0	39,6	4,3	323	<del>3—2</del>	64,6	6,1	18,5	10,8	260
<b>3</b>	47,9	3,7	36,5	11,9	351	<del>4</del>	58,3	5,5	16,7	19,4	288
<b>5</b>	44,3	3,4	33,8	18,5	379	<del>6</del>	53,1	5,1	15,2	26,6	316
<b>14—14—1—2</b>	74,3	6,2	7,1	12,4	226	<del>4—2</del>	60,9	5,8	23,2	10,1	276
<b>4</b>	66,1	5,5	6,3	22,0	254	<del>4</del>	55,3	5,3	21,0	18,4	304
<b>8</b>	59,6	4,9	5,7	29,8	282	<del>6</del>	50,6	4,8	19,3	25,3	332
<b>2—2</b>	69,4	5,8	13,2	11,6	242	<del>5—2</del>	57,5	5,5	27,4	9,6	292
<b>4</b>	62,2	5,2	11,8	20,7	270	<del>4</del>	52,5	5,0	25,0	17,5	320
<b>6</b>	56,4	4,5	10,7	28,2	298	<del>6</del>	48,3	4,6	23,0	24,1	348
<b>3—2</b>	65,1	5,4	18,6	10,9	258	<del>6—2</del>	54,5	5,2	31,2	9,1	308
<b>4</b>	58,7	4,9	16,8	19,6	286	<del>4</del>	50,0	4,8	28,5	16,7	336
<b>8</b>	53,5	4,5	15,3	26,7	314	<del>6</del>	46,1	4,4	26,4	23,1	364
<b>4—2</b>	61,3	5,1	23,4	10,2	274	<del>8—2</del>	49,4	4,7	37,6	8,2	340
<b>4</b>	55,6	4,6	21,2	18,6	302	<b>14—17—1—1</b>	78,1	7,9	7,4	6,5	215
<b>6</b>	50,9	4,2	19,4	25,4	330	<b>3</b>	69,1	7,0	6,6	17,3	243
<b>5—2</b>	57,9	4,8	27,6	9,7	290	<b>5</b>	62,0	6,3	5,9	25,8	271
<b>4</b>	52,8	4,4	25,2	17,6	318	<b>2—1</b>	72,7	7,4	13,8	6,1	231
<b>6</b>	48,6	4,0	23,1	24,3	346	<b>3</b>	64,9	6,6	12,3	16,2	259
<b>6—2</b>	54,9	4,6	31,4	9,2	306	<b>5</b>	58,5	5,9	11,2	24,4	287
<b>4</b>	50,3	4,2	28,7	16,8	334	<b>3—1</b>	68,0	6,9	19,4	5,7	247
<b>6</b>	46,4	3,9	26,5	23,2	362	<b>3</b>	61,1	6,2	17,4	15,3	275
<b>7—2</b>	52,2	4,3	34,8	8,7	322	<b>5</b>	55,4	5,6	15,8	23,1	303
<b>4</b>	48,0	4,0	32,0	16,0	350	<b>4—1</b>	63,9	6,5	24,3	5,3	263
<b>6</b>	44,1	3,7	29,6	22,2	378	<b>3</b>	57,7	5,8	22,0	14,4	291
<b>8—2</b>	49,7	4,1	37,9	8,3	338	<b>5</b>	52,7	5,3	20,1	21,9	319
<b>4</b>	45,9	3,8	35,0	15,3	366	<b>5—1</b>	60,2	6,1	28,7	5,0	279
<b>6</b>	42,6	3,5	32,5	21,3	394	<b>3</b>	54,7	5,5	26,1	13,7	307
<b>10—2</b>	45,4	3,8	43,2	7,6	370	<b>5</b>	50,1	5,1	23,9	20,9	335
<b>14—15—1—1</b>	78,9	7,0	7,5	6,6	213	<b>6—1</b>	56,9	5,8	32,5	4,7	295
<b>3</b>	69,7	6,2	6,6	17,4	241	<b>3</b>	52,0	5,3	29,7	13,0	323
<b>5</b>	62,4	5,6	5,9	26,0	269	<b>5</b>	47,9	4,8	27,4	19,9	351
<b>2—1</b>	73,4	6,5	14,0	6,1	229	<b>7—1</b>	54,0	5,5	36,0	4,5	311
<b>3</b>	65,4	5,8	12,4	16,3	257	<b>14—18—1—2</b>	73,1	7,8	6,9	12,2	230
<b>5</b>	58,9	5,3	11,2	24,6	285	<b>4</b>	65,1	7,0	6,2	21,7	258
<b>3—1</b>	68,6	6,1	19,6	5,7	245	<b>6</b>	58,7	6,3	5,6	29,3	286
<b>3</b>	61,5	5,5	17,6	15,4	273	<b>2—2</b>	68,3	7,3	13,0	11,4	246
<b>5</b>	53,8	5,0	16,0	23,2	301	<b>4</b>	61,3	6,6	11,7	20,4	274
<b>4—1</b>	64,4	5,7	24,5	5,4	261	<b>6</b>	55,6	6,0	10,6	27,5	302
<b>3</b>	58,1	5,2	22,1	14,5	289	<b>3—2</b>	64,1	6,9	18,3	10,7	262
<b>5</b>	53,0	4,7	20,2	22,1	317	<b>4</b>	57,9	6,2	16,5	19,3	290
<b>7</b>	48,7	4,3	18,6	28,4	345	<b>6</b>	52,8	5,7	15,1	26,4	318
<b>5—1</b>	60,7	5,4	28,0	5,0	277	<b>4—2</b>	60,4	6,5	23,0	10,1	278
<b>3</b>	55,1	4,9	26,2	13,8	305	<b>4</b>	54,9	5,9	20,9	18,3	306
<b>5</b>	50,5	4,5	24,0	21,0	333	<b>6</b>	50,3	5,4	19,2	25,1	334
<b>6—1</b>	57,3	5,1	32,8	4,8	293	<b>5—2</b>	57,1	6,1	27,2	9,5	294
<b>3</b>	52,3	4,7	29,9	13,1	321	<b>4</b>	52,2	5,6	24,8	17,4	322
<b>5</b>	48,1	4,3	27,5	20,1	349	<b>6</b>	48,0	5,1	22,9	24,0	350
<b>7—1</b>	54,4	4,8	36,2	4,5	309	<b>6—2</b>	54,2	5,8	31,0	9,0	310
<b>3</b>	49,8	4,4	33,2	12,5	337	<b>4</b>	49,7	5,3	28,4	16,6	338
<b>5</b>	46,9	4,1	30,7	19,2	365	<b>6</b>	45,9	4,9	26,2	23,0	366
<b>8—1</b>	51,2	4,6	39,4	4,3	325	<b>7—2</b>	51,5	5,5	34,3	8,6	326
<b>3</b>	47,6	4,2	36,3	11,9	353	<b>4</b>	47,5	5,1	31,6	15,8	354
<b>5</b>	44,1	3,9	33,6	18,4	381	<b>6</b>	44,0	4,7	29,3	22,0	382
<b>14—16—1—2</b>	73,7	7,0	7,0	12,3	228	<b>10—2</b>	44,9	4,8	42,8	7,5	374
<b>4</b>	65,6	6,2	6,2	21,9	256	<b>4</b>	41,8	4,5	39,8	13,9	402

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
14-18-10-6	39.1	4.2	37.2	19.5	430	14-22-1-6	57.9	7.6	5.5	29.0	290
14-19-1-1	77.4	8.7	7.4	6.4	217	2-2	67.2	8.8	12.8	11.2	250
3	68.6	7.8	6.5	17.1	245	4	60.4	7.9	11.5	20.1	278
5	61.5	6.9	5.9	25.6	273	6	54.8	7.2	10.5	27.4	306
2-1	72.1	8.2	13.7	6.0	233	3-2	63.2	8.3	18.0	10.5	266
3	64.4	7.3	12.2	16.1	261	4	57.1	7.5	16.3	19.1	294
5	58.1	6.6	11.1	24.2	289	6	52.2	6.8	14.9	26.1	322
3-1	67.5	7.6	19.3	5.6	249	4-2	59.6	7.8	22.7	9.9	282
3	60.6	6.9	17.3	15.2	277	4	54.2	7.1	20.6	18.1	310
5	55.1	6.2	15.7	23.0	305	6	49.7	6.5	18.9	24.9	338
4-1	63.4	7.2	24.1	5.3	265	5-2	56.4	7.4	26.8	9.4	298
3	57.3	6.5	21.8	14.3	293	4	51.5	6.7	24.5	17.2	326
5	52.3	5.9	19.9	21.8	321	6	47.5	6.2	22.6	23.7	354
5-1	59.8	6.8	28.4	5.0	281	6-2	53.5	7.0	30.6	8.9	314
3	54.4	6.1	25.9	13.6	309	4	49.1	6.4	28.1	16.4	342
5	49.8	5.6	23.7	20.8	337	6	45.4	5.9	25.9	22.7	370
6-1	56.6	6.4	32.3	4.7	297	7-2	50.9	6.7	33.9	8.5	330
3	51.7	5.8	29.5	12.9	325	4	46.9	6.1	31.3	15.6	358
5	47.6	5.4	27.2	19.8	353	6	43.5	5.7	29.0	21.8	386
8-1	51.1	5.8	38.9	4.2	329	8-2	48.6	6.3	37.0	8.1	346
12-1	42.7	4.8	48.8	3.6	393	14-23-1-1	76.0	10.4	7.2	6.3	221
14-20-1-2	72.4	8.6	6.9	12.1	232	3	67.5	9.2	6.4	16.9	249
4	64.6	7.7	6.2	21.5	260	5	60.6	8.3	5.8	25.3	277
6	58.3	6.9	5.6	29.2	288	2-1	70.9	9.7	13.5	5.9	237
2-2	67.7	8.1	12.9	11.3	248	3	63.4	8.7	12.1	15.8	265
4	60.9	7.2	11.6	20.3	276	5	57.3	7.8	10.9	23.9	293
6	55.3	6.6	10.5	27.6	304	3-1	66.4	9.1	19.0	5.5	253
3-2	63.6	7.6	18.2	10.6	264	3	59.8	8.2	17.1	14.9	281
4	57.5	6.8	16.4	19.2	292	5	54.4	7.4	15.5	22.7	309
6	52.5	6.2	15.0	26.2	320	4-1	62.4	8.5	23.3	5.2	269
4-2	60.0	7.1	22.9	10.0	280	3	56.5	7.7	21.5	14.1	297
4	54.5	6.5	20.8	18.2	308	5	51.7	7.1	19.7	21.5	325
6	50.0	5.9	19.1	25.0	336	5-1	58.9	8.1	28.1	4.9	285
5-2	56.8	6.8	27.0	9.4	296	3	53.7	7.3	25.6	13.4	313
4	51.8	6.2	24.7	17.3	324	5	49.3	6.7	23.5	20.5	341
6	47.7	5.7	22.7	23.9	352	6-1	55.8	7.6	31.9	4.6	301
6-2	53.8	6.4	30.8	9.0	312	3	51.1	7.0	29.2	12.7	329
4	49.4	5.9	28.2	16.5	340	5	47.1	6.4	26.9	19.6	357
6	45.7	5.4	26.1	22.8	368	10-11	33.3	4.5	31.7	30.5	505
14-21-1-1	76.7	9.6	7.3	6.4	219	14-24-1-2	71.2	10.2	6.8	11.8	236
3	68.0	8.5	6.5	17.0	247	4	63.6	9.1	6.1	21.2	264
5	61.1	7.6	5.8	25.4	275	6	57.5	8.2	5.5	28.8	292
2-1	71.5	8.9	13.6	6.0	235	2-2	66.7	9.5	12.7	11.1	232
3	63.9	8.0	12.1	16.0	263	4	60.0	8.6	11.4	20.0	280
5	57.7	7.2	11.0	24.1	291	6	54.5	7.8	10.4	27.3	308
3-1	66.9	8.4	19.1	5.6	251	3-2	62.8	8.9	17.9	10.4	268
3	60.2	7.5	17.2	15.1	279	4	56.7	8.1	16.2	18.9	296
5	54.7	6.8	15.6	22.8	307	6	51.8	7.4	14.8	25.9	324
4-1	62.9	7.9	24.0	5.2	267	4-2	59.2	8.4	22.5	9.9	284
3	57.0	7.1	21.7	14.2	295	4	53.8	7.7	20.5	18.0	312
5	52.0	6.5	19.8	21.7	323	6	49.4	7.1	18.8	24.7	340
5-1	59.4	7.4	28.3	4.9	283	5-2	56.0	8.0	26.7	9.3	300
3	54.0	6.8	25.7	13.5	311	4	51.2	7.3	24.4	17.1	328
5	49.6	6.2	23.6	20.6	339	6	47.2	6.7	22.5	23.6	356
6-1	56.2	7.0	32.1	4.7	299	6-2	53.2	7.6	30.4	8.8	316
3	51.4	6.4	39.4	12.8	327	4	48.8	7.0	27.9	16.3	344
5	47.3	5.9	27.0	19.7	355	6	45.2	6.4	25.8	22.6	372
14-22-1-2	71.8	9.4	6.8	12.0	234	14-25-1-1	75.3	11.2	7.2	6.3	223
4	64.1	8.4	6.1	21.4	262	3	66.9	10.0	6.4	16.7	251

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
14—26—1—5	60,2	9,0	5,7	25,1	279	14—30—2—2	65,1	11,6	12,4	10,8	258
2—1	70,3	10,5	13,4	5,8	239		4	58,7	10,5	11,2	19,6
3	62,9	9,4	12,0	15,7	267		6	53,5	9,5	10,2	26,8
5	57,0	8,4	10,8	23,7	295	3—2	61,3	10,9	17,5	10,2	274
3—1	65,9	9,8	18,8	5,5	255		4	55,6	9,9	15,9	18,6
3	59,4	8,8	17,0	14,8	283		6	50,9	9,1	14,5	25,4
5	54,0	8,0	15,4	22,5	311	4—2	57,9	10,3	22,1	9,7	290
4—1	62,0	9,2	23,6	5,2	271		4	52,8	9,4	20,1	17,6
3	56,2	8,4	21,4	14,0	299		6	48,5	8,7	18,5	24,3
5	51,4	7,6	19,6	21,4	327	6—4	48,0	8,6	27,4	16,0	350
14—26—1—2	70,6	10,9	6,7	11,8	238	14—31—1—1	73,4	13,5	7,0	6,1	229
4	63,2	9,8	6,0	21,0	266		3	65,4	12,1	6,2	16,3
6	57,1	8,8	5,4	28,6	294		5	58,9	10,9	5,6	24,6
2—2	66,1	10,2	12,6	11,0	254	2—1	68,6	12,6	13,1	5,7	245
4	59,6	9,2	11,4	19,8	282		3	61,5	11,3	11,7	15,4
6	54,2	8,4	10,3	27,1	310		5	55,8	10,3	10,6	23,2
3—2	62,2	9,6	17,8	10,4	270	3—1	64,3	11,9	18,4	5,4	261
4	56,4	8,7	16,1	18,8	298		3	58,1	10,7	16,6	14,5
6	51,5	8,0	14,7	25,8	326		5	53,0	9,8	15,1	22,1
4—2	58,7	9,1	22,4	9,8	286	14—32—1—2	68,9	13,1	6,5	11,5	244
4	53,5	8,3	20,4	17,8	314		4	61,9	11,8	5,9	20,6
6	49,1	7,6	18,7	24,6	342		6	56,0	10,7	5,3	28,0
10—2	44,0	6,7	42,0	7,3	382	2—2	64,6	12,3	12,3	10,8	260
14—27—1—1	74,7	12,0	7,1	6,2	225		4	58,3	11,1	11,1	19,4
3	66,4	10,7	6,3	16,6	253		6	53,2	10,1	10,1	20,6
5	59,8	9,6	5,7	24,9	281	15—6—12—4	41,5	1,4	44,2	12,9	434
2—1	69,7	11,2	13,3	5,8	241	13—4	40,9	1,3	46,2	12,4	450
3	62,4	10,0	11,9	15,6	269	15—7—2—3	66,0	2,7	12,2	16,1	261
5	55,5	9,1	10,8	23,6	297		3—1	72,3	2,8	19,3	5,6
3—1	65,4	10,5	18,7	5,4	257		6—1	60,6	2,4	32,3	4,7
3	58,9	9,5	16,8	14,7	285		3	55,4	2,1	29,5	12,9
5	53,7	8,6	15,3	22,4	313		5	51,0	2,0	27,2	19,8
4—1	61,5	9,9	23,4	5,1	273	8—1	54,7	2,1	38,9	4,3	329
3	55,8	9,0	21,3	13,9	301	15—8—1—2	77,6	3,4	6,9	12,1	232
5	51,1	8,2	19,4	21,3	329		6—2	57,7	2,5	30,8	9,0
14—28—1—2	70,0	11,7	6,6	11,7	240		4	52,9	2,3	28,2	16,5
4	62,7	10,4	6,0	20,9	268		7—4	50,6	2,2	31,5	15,7
6	56,7	9,4	5,4	28,4	296		8—2	52,3	2,3	37,2	8,1
2—2	65,6	10,9	12,5	10,9	256		10—4	44,5	2,0	39,6	13,8
4	59,1	9,9	11,3	19,7	284	15—9—1—1	82,2	4,1	7,3	6,4	219
6	53,5	9,0	10,2	26,9	312		2—1	76,6	3,8	13,6	6,0
3—2	61,8	10,3	17,6	10,3	272		3	65,4	3,4	12,2	16,0
4	56,0	9,3	16,0	18,7	300		3—1	71,7	3,6	19,1	5,6
6	51,2	8,5	14,6	25,6	328		3	64,5	3,2	17,2	15,0
4—2	58,3	9,7	22,2	9,7	288		5	58,6	2,9	15,6	22,8
4	53,2	8,8	20,3	17,7	316		4—1	67,4	3,4	24,0	5,2
6	48,8	8,1	18,6	24,4	344		3	61,0	3,0	21,7	14,2
14—29—1—1	74,0	12,8	7,0	6,2	227		5	55,7	2,8	19,8	21,7
3	65,9	11,4	6,3	16,4	255		5—1	63,6	3,2	28,3	4,9
5	59,4	10,2	5,6	24,7	283		3	57,9	2,9	25,7	13,5
2—1	69,1	11,9	13,2	5,8	243		5	53,1	2,7	23,6	20,6
3	62,0	10,7	11,8	15,5	271		6—1	60,2	3,0	32,1	4,7
5	56,2	9,7	10,7	23,4	299		3	55,1	2,7	29,3	12,8
3—1	64,9	11,2	18,5	5,4	259		5	50,7	2,5	27,0	19,7
3	58,5	10,1	16,7	14,6	287		8—1	54,4	2,7	38,7	4,2
5	53,3	9,2	15,2	22,2	315		9—3	48,0	2,4	38,4	11,2
14—30—1—2	69,4	12,4	6,6	11,6	242		10—3	46,0	2,3	40,9	10,7
4	62,3	11,1	5,9	20,7	270		15—10—1—2	76,9	4,3	6,8	12,0
6	56,4	10,0	5,4	28,2	298		4	68,7	3,8	6,1	21,4

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>15 - 10 - 1 - 6</b>	62.1	3.4	5.5	29.0	290	<b>15 - 12 - 7 - 6</b>	46.4	3.1	28.9	21.6	388
2 - 2	72.0	4.0	12.8	11.2	250	9 - 6	42.9	2.8	34.3	20.0	420
4	64.7	3.6	11.5	20.1	278	12 - 8	36.3	2.4	38.7	22.5	496
6	58.8	3.3	10.4	27.4	306	<b>15 - 13 - 1 - 1</b>	80.7	5.8	7.2	6.3	223
3 - 2	67.7	3.8	18.0	10.5	266	3	71.7	5.2	6.4	16.7	251
4	61.2	3.4	16.3	19.1	294	5	64.5	4.6	5.7	25.1	279
6	55.9	3.1	14.9	26.1	322	2 - 1	75.3	5.4	13.4	5.9	239
4 - 2	63.8	3.5	22.7	9.9	282	3	67.4	4.9	12.0	15.7	267
4	58.1	3.2	20.6	18.1	310	5	61.0	4.4	10.9	23.7	295
6	53.2	3.0	18.9	24.9	338	3 - 1	70.6	5.1	18.8	5.5	255
5 - 2	60.4	3.4	26.8	9.4	298	3	63.6	4.6	17.0	14.8	283
4	55.2	3.1	24.5	17.2	326	5	57.9	4.2	15.4	22.5	311
6	50.8	2.8	22.6	23.7	354	4 - 1	66.4	4.8	23.6	5.2	271
6 - 2	57.3	3.2	30.6	8.9	314	3	60.2	4.3	21.4	14.0	299
4	52.6	2.9	28.1	16.4	342	5	55.0	4.0	19.6	21.4	327
6	48.6	2.7	25.9	22.7	370	5 - 1	62.7	4.5	27.9	4.9	287
7 - 2	54.5	3.0	33.9	8.5	330	3	57.1	3.2	25.4	13.3	315
8 - 2	52.0	2.9	37.0	8.0	346	5	52.5	3.8	23.3	20.4	343
13 - 8	35.3	2.0	40.8	21.9	510	6 - 1	59.4	4.3	31.7	4.6	303
<b>15 - 11 - 1 - 1</b>	81.4	5.0	7.2	6.3	221	3	54.4	3.9	29.0	12.7	331
3	72.3	4.4	6.4	16.9	249	5	50.2	3.6	26.7	19.5	359
5	65.0	4.0	5.7	25.3	277	7 - 1	56.4	4.1	35.1	4.4	319
2 - 1	75.9	4.6	13.5	5.9	237	3	51.9	3.7	32.3	12.1	347
3	67.9	4.1	12.1	15.9	295	5	48.0	3.4	29.9	18.7	375
5	61.4	3.7	10.9	23.9	293	8 - 1	53.7	3.9	38.2	4.2	335
3 - 1	71.2	4.3	19.0	5.5	253	3	49.6	3.6	35.3	11.5	363
3	64.0	3.9	17.1	14.9	281	5	46.0	3.3	32.7	17.9	391
5	58.2	3.6	15.5	22.6	309	<b>15 - 14 - 1 - 2</b>	75.6	5.9	6.7	11.8	238
4 - 1	66.9	4.1	23.8	5.2	269	4	67.7	5.3	6.0	21.0	266
3	60.6	3.7	21.6	14.1	297	6	61.2	4.8	5.4	28.6	294
5	55.4	3.4	19.7	21.5	325	2 - 2	70.8	5.5	12.6	11.0	254
5 - 1	63.2	3.8	28.1	4.9	285	4	63.8	5.0	11.3	19.8	282
3	57.5	3.5	26.5	13.4	313	6	58.1	4.5	10.3	27.1	310
5	52.8	3.2	23.5	20.5	341	3 - 2	66.6	5.2	17.8	10.4	270
6	51.9	3.6	31.9	4.6	301	4	60.4	4.7	16.1	18.7	298
3	54.7	3.3	29.2	12.8	329	6	55.2	4.3	14.7	25.8	326
5	50.4	3.1	26.9	19.6	357	4 - 2	62.9	4.9	22.4	9.8	286
7 - 1	56.8	3.5	35.3	4.4	317	4	57.3	4.5	20.4	17.8	314
3	52.2	3.2	32.5	12.1	345	6	52.6	4.1	18.7	24.6	342
<b>15 - 12 - 1 - 2</b>	76.3	5.1	6.8	11.8	236	5 - 2	59.6	4.6	26.5	9.3	302
4	68.2	4.5	6.1	21.2	264	4	54.5	4.2	24.2	17.0	380
6	61.6	4.1	5.5	28.8	292	6	50.3	3.9	22.3	23.5	358
2 - 2	71.4	4.8	12.7	11.1	252	6 - 2	56.6	4.4	30.2	8.8	318
4	64.3	4.3	11.4	20.0	280	4	52.0	4.0	27.7	16.2	346
6	58.4	3.9	10.4	27.3	308	6	48.1	3.7	25.7	22.5	374
3 - 2	67.2	4.5	17.9	10.4	268	7 - 2	53.9	4.2	33.5	8.4	334
4	60.8	4.0	16.2	18.9	296	4	49.7	3.9	30.9	15.5	362
6	55.6	3.7	14.8	25.9	324	6	46.1	3.6	28.7	21.5	390
4 - 2	63.4	4.2	22.5	9.9	284	8 - 2	51.4	4.0	36.6	8.0	350
4	57.7	3.8	20.5	17.9	312	4	47.6	3.7	33.9	14.8	378
6	52.9	3.5	18.8	24.7	340	6	44.3	3.4	31.5	20.7	406
5 - 2	60.0	4.0	26.7	9.3	300	<b>15 - 15 - 1 - 1</b>	80.0	6.7	7.1	6.2	225
4	54.9	3.6	24.1	17.1	328	3	71.1	5.9	6.3	16.6	253
6	50.5	3.4	22.5	23.6	356	5	64.0	5.3	5.7	24.9	281
6 - 2	57.0	3.8	30.4	8.8	316	2 - 1	74.7	6.2	13.3	5.8	241
4	52.3	3.5	27.9	16.3	344	3	66.9	5.6	11.9	15.6	269
6	48.4	3.2	25.8	22.6	372	5	60.6	5.0	10.8	23.6	297
7 - 2	54.2	3.6	33.7	8.4	332	3 - 1	70.0	5.8	18.7	5.4	257
4	50.0	3.3	31.1	15.6	360	3	63.2	5.2	16.8	14.7	285

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>15-15-3-5</b>	57.5	4.8	15.3	22.4	313	<b>15-17-6-5</b>	49.6	4.7	26.4	19.3	363
4-1	65.9	5.5	23.4	5.1	273	8-1	53.1	5.0	37.8	4.1	339
3	59.8	5.0	21.3	13.9	301	<b>15-18-1-2</b>	74.4	7.4	6.6	11.6	242
5	54.7	4.6	19.4	21.3	329	4	66.7	6.7	5.9	20.7	270
5-1	62.3	5.2	27.7	4.8	289	6	60.4	6.0	5.4	28.2	298
3	56.8	4.7	25.2	13.3	317	<b>2-2</b>	69.8	7.0	12.4	10.8	258
5	52.2	4.3	23.2	20.3	345	4	62.9	6.3	11.2	19.6	286
6-1	59.0	4.9	31.5	4.6	305	6	57.3	5.7	10.2	26.8	314
3	54.0	4.5	28.8	12.6	333	<b>3-2</b>	65.7	6.6	17.5	10.2	274
5	49.9	4.1	26.6	19.4	361	4	59.6	6.0	15.9	18.5	302
7-1	56.1	4.7	34.9	4.3	321	6	54.5	5.4	14.5	25.5	330
3	51.6	4.3	32.1	12.0	349	<b>4-2</b>	62.1	6.2	22.1	9.6	290
5	47.7	4.0	29.7	18.6	377	4	56.6	5.7	20.1	17.6	318
<b>8-1</b>	53.4	4.4	38.0	4.2	337	6	52.0	5.2	18.5	24.3	346
3	49.3	4.1	35.1	11.5	365	<b>5-2</b>	58.8	5.9	26.1	9.1	306
5	45.8	3.8	32.6	17.8	393	4	53.9	5.4	23.9	16.8	334
<b>15-16-1-2</b>	75.0	6.7	6.7	11.6	240	6	49.7	5.0	22.1	23.2	362
4	67.1	6.0	6.0	20.9	268	<b>6-2</b>	55.9	5.6	29.8	8.7	322
6	60.8	5.4	5.4	28.4	296	4	51.4	5.1	27.4	16.0	350
<b>2-2</b>	70.3	6.2	12.5	10.9	256	6	47.6	4.8	25.4	22.1	378
4	63.4	5.6	11.3	19.7	284	<b>7-2</b>	53.3	5.3	33.1	8.3	338
6	57.7	5.1	10.2	26.9	312	<b>15-19-1-1</b>	78.6	8.3	7.0	6.1	229
3-2	66.2	5.9	17.6	10.3	272	3	70.0	7.4	6.2	16.3	257
4	60.0	5.3	16.0	18.7	300	5	63.2	6.7	5.6	24.5	285
6	54.9	4.9	14.6	25.6	328	<b>2-1</b>	73.5	7.7	13.1	5.7	245
<b>4-2</b>	62.5	5.6	22.2	9.7	288	3	65.9	7.0	11.7	15.4	273
4	57.0	5.0	20.3	17.7	316	5	59.8	6.3	10.6	23.2	301
6	52.3	4.6	18.6	24.4	344	<b>3-1</b>	68.9	7.3	18.4	5.4	261
<b>5-2</b>	59.2	5.3	26.3	9.2	304	3	62.3	6.6	16.6	14.5	289
4	54.2	4.8	24.1	16.9	332	5	56.8	6.0	15.1	22.1	317
6	50.0	4.4	22.2	23.3	360	<b>4-1</b>	65.0	6.8	23.1	5.1	277
<b>6-2</b>	56.2	5.0	30.0	8.7	320	3	59.0	6.2	21.0	13.8	305
4	51.7	4.6	27.6	16.1	348	5	54.0	5.7	19.2	21.0	333
6	47.9	4.3	25.5	22.3	376	<b>5-1</b>	61.4	6.5	27.3	4.8	293
<b>7-2</b>	53.6	4.8	33.3	8.3	336	3	56.1	5.9	24.9	13.1	321
4	49.4	4.4	30.8	15.4	364	5	51.6	5.4	22.9	20.1	349
6	45.9	4.1	28.6	21.4	392	<b>6-1</b>	58.2	6.1	31.1	4.5	309
<b>8-2</b>	51.1	4.5	36.4	8.0	352	3	53.4	5.6	28.5	12.5	337
4	47.4	4.2	33.7	14.7	380	5	49.3	5.2	26.3	19.2	365
6	44.1	3.9	31.4	20.6	408	<b>7-1</b>	55.4	5.8	34.5	4.3	325
<b>15-17-1-1</b>	79.3	7.4	7.1	6.2	227	<b>9-1</b>	50.4	5.3	40.3	3.9	357
3	70.6	6.6	6.3	16.5	255	<b>15-20-1-2</b>	73.8	8.2	6.5	11.5	244
5	63.6	6.0	5.6	24.7	283	4	66.2	7.3	5.9	20.6	272
<b>2-1</b>	74.1	7.0	13.2	5.7	243	6	60.0	6.7	5.3	28.0	300
3	66.4	6.3	11.8	15.5	271	<b>2-2</b>	69.2	7.7	12.2	10.8	280
5	60.2	5.7	10.7	23.4	299	4	62.5	6.9	11.1	19.4	288
<b>3-1</b>	69.5	6.5	18.5	5.4	259	6	57.0	6.3	10.1	26.6	316
3	62.7	5.9	16.7	14.6	287	<b>3-2</b>	65.2	7.2	17.4	10.1	276
5	57.1	5.4	15.2	22.2	315	4	59.2	6.6	15.8	18.4	304
<b>4-1</b>	65.4	6.2	23.3	5.1	275	6	54.2	6.0	14.4	25.3	332
3	59.4	5.6	21.1	13.9	303	<b>4-2</b>	61.6	6.8	21.9	9.6	292
5	54.4	5.1	19.3	21.2	331	4	56.3	6.2	20.2	17.5	320
7	50.1	4.7	17.8	27.3	359	6	51.7	5.7	18.4	24.1	348
9	46.5	4.4	16.5	32.6	387	<b>5-2</b>	58.4	6.5	26.0	9.1	308
<b>5-1</b>	61.9	5.8	27.5	4.8	291	4	53.6	5.9	23.8	16.7	336
3	56.4	5.3	25.1	13.2	319	6	49.4	5.5	22.0	23.1	364
5	51.9	4.9	23.0	20.2	347	<b>6-2</b>	55.6	6.2	29.6	8.6	324
<b>6-1</b>	58.6	5.5	31.3	4.6	307	4	51.1	5.7	27.3	15.9	352
3	53.7	5.1	28.7	12.5	335	<b>6</b>	47.4	5.3	25.2	22.1	380

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
15-20-8-2	50,6	5,6	36,0	7,8	356	15-24-1-2	72,6	9,7	6,4	11,3	248
15-21-1-1	77,9	9,1	6,9	6,1	231		4	65,2	8,7	5,8	20,3
3	69,5	8,1	6,2	16,2	259		6	59,2	7,9	5,3	27,5
5	62,7	7,3	5,6	24,4	287		2-2	68,2	9,1	12,1	10,6
2-1	72,9	8,5	12,9	5,7	247		4	61,6	8,2	10,9	19,2
3	65,4	7,6	11,6	15,3	275		6	56,2	7,5	10,0	26,2
5	59,4	6,9	10,6	23,1	303		3-2	64,3	8,6	17,1	10,0
3-1	68,4	8,0	18,2	5,3	263		4	58,4	7,8	15,6	18,2
3	61,9	7,2	10,5	14,4	291		6	53,6	7,1	14,3	25,0
5	56,4	6,6	15,0	21,9	319		4-2	60,8	8,1	21,6	9,4
4-1	64,5	7,5	22,9	5,0	279		4	55,6	7,4	19,7	17,3
3	58,6	6,8	20,8	13,7	307		6	51,1	6,8	18,2	23,9
5	53,8	6,2	19,1	20,9	335		5-2	57,7	7,7	25,6	9,0
5-1	61,0	7,1	27,1	4,8	295		4	52,9	7,1	23,5	16,5
3	55,7	6,5	24,8	13,0	323		6	48,9	6,5	21,7	22,8
5	51,3	6,0	22,8	19,9	351		6-2	54,9	7,3	29,3	8,5
6-1	57,9	6,7	30,9	4,5	311		8-2	50,0	6,7	35,6	7,7
3	53,1	6,2	28,3	12,4	339		9-2	47,9	6,4	38,3	7,4
5	49,1	5,7	26,1	19,1	307		4	44,6	5,9	35,6	13,9
8-1	52,5	6,1	37,3	4,1	343		12-6	37,5	5,0	40,0	17,5
9-3	46,5	5,4	37,2	10,9	387		15-25-1-1	76,6	10,6	6,8	6,0
15-22-1-2	73,2	8,9	6,5	11,4	246		3	68,4	9,5	6,1	16,0
4	65,7	8,0	5,8	20,4	274		5	61,8	8,6	5,5	24,0
6	59,6	7,3	5,3	27,8	302		2-1	71,7	10,0	12,7	5,6
2-2	68,7	8,4	12,2	10,7	262		3	64,5	9,0	11,5	15,0
4	62,1	7,6	11,0	19,3	290		5	58,6	8,1	10,4	22,8
6	56,6	6,9	10,1	26,4	318		3-1	67,4	9,4	18,0	5,2
3-2	64,7	7,9	17,3	10,1	278		3	61,0	8,5	16,3	14,2
4	58,8	7,2	15,7	18,3	306		5	55,7	7,7	14,0	21,7
6	53,9	6,6	14,4	25,1	334		4-1	63,6	8,8	22,6	4,9
4-2	61,2	7,5	21,8	9,5	294		3	57,9	8,0	20,6	13,5
4	55,9	6,8	19,9	17,4	322		5	53,1	7,4	18,9	20,6
6	51,4	6,3	18,3	24,0	350		5-1	60,2	8,3	26,7	4,7
5-2	58,1	7,1	25,8	9,0	310		3	55,0	7,6	24,5	12,8
4	53,2	6,5	23,7	16,6	338		5	50,7	7,0	22,5	19,7
6	49,2	6,0	21,9	22,9	366		6-1	57,1	7,9	30,5	4,4
6-2	55,2	6,7	29,4	8,6	326		3	52,5	7,3	28,0	12,2
4	50,8	6,2	27,1	15,8	354		5	48,5	6,7	25,9	18,9
6	47,1	5,8	25,1	22,0	382		8-5	44,6	6,2	31,8	17,4
7-2	52,6	6,4	32,7	8,2	342		15-26-1-2	72,0	10,4	6,4	11,2
8-4	46,6	5,7	33,2	14,5	386		4	64,7	9,3	5,8	20,1
15-23-1-1	77,3	9,9	6,8	6,0	233		6	58,8	8,5	5,2	27,4
3	69,0	8,8	6,1	16,1	261		2-2	67,7	9,8	12,0	10,5
5	62,3	8,0	5,5	24,2	289		4	61,2	8,8	10,9	19,0
2-1	72,3	9,2	12,8	5,6	249		6	55,9	8,1	9,9	26,1
3	65,0	8,3	11,6	15,1	277		3-2	63,8	9,2	17,0	9,9
5	59,0	7,5	10,5	23,0	305		4	58,1	8,4	15,5	18,0
3-1	67,9	8,7	18,1	5,3	265		6	53,2	7,7	14,2	24,9
3	61,4	7,8	16,4	14,3	293		4-2	60,4	8,7	21,5	9,4
5	56,1	7,2	14,9	21,8	321		4	55,2	8,0	19,6	17,2
4-1	64,0	8,2	22,8	5,0	281		6	50,9	7,3	18,1	23,7
3	58,3	7,4	20,7	13,6	309		5-2	57,3	8,3	25,5	8,9
5	53,4	6,8	19,0	20,8	337		4	52,6	7,6	23,4	16,4
5-1	60,6	7,7	26,9	4,7	297		6	48,6	7,0	21,6	22,7
3	55,4	7,1	24,6	12,9	325		10-2	45,7	6,6	40,6	7,1
5	51,0	6,5	22,7	19,8	353		3	67,9	10,2	6,0	15,9
6-1	57,5	7,3	30,7	4,5	313		5	61,4	9,2	5,5	23,9
3	52,8	6,7	28,2	12,3	341		2-1	71,2	10,7	12,6	5,5
5	48,8	6,2	26,0	19,0	369						253

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
15—27—2—3	64.0	9.6	11.4	14.9	281	15—30—5—2	56.6	9.4	25.2	8.8	318
5	58.3	8.7	10.3	22.7	309	4	52.0	8.7	23.1	16.2	346
3—1	66.9	10.0	17.8	5.2	269	6	48.1	8.0	21.4	22.5	374
3	60.6	9.1	16.2	14.1	297	6—2	53.9	9.0	28.7	8.4	334
5	55.4	8.3	14.8	21.5	325	4	49.7	8.3	26.5	15.5	362
4—1	63.2	9.5	22.4	4.9	285	6	46.2	7.7	24.6	21.5	390
3	57.5	8.6	20.4	13.4	313	7—2	51.4	8.6	32.0	8.0	350
5	52.8	7.9	18.8	20.5	341	4	47.6	7.9	29.6	14.8	378
5—1	59.8	9.0	26.6	4.6	301	6	44.3	7.4	27.6	20.7	406
3	54.7	8.2	24.3	12.7	329	15—31—1—1	74.7	12.9	6.6	5.8	241
5	50.4	7.6	22.4	19.6	357	3	66.9	11.5	5.9	15.6	269
6—1	56.8	8.5	30.3	4.4	317	5	60.6	10.4	5.4	23.6	297
3	52.2	7.8	27.8	12.2	345	2—1	70.0	12.1	12.4	5.4	257
5	48.3	7.2	25.7	18.8	373	3	63.2	10.9	11.2	14.7	285
7—1	54.0	8.1	33.6	4.2	333	5	57.5	9.9	10.2	22.4	313
3	49.9	7.5	31.0	11.6	361	3—1	65.9	11.4	17.6	5.1	273
5	46.3	6.9	28.8	18.0	389	3	59.8	10.3	16.0	13.9	301
15—28—1—2	71.4	11.1	6.3	11.1	252	5	54.7	9.4	14.6	21.3	329
4	64.3	10.0	5.7	20.0	280	15—32—1—2	70.3	12.5	6.2	10.9	256
6	58.4	9.1	5.2	27.3	308	4	63.4	11.3	5.6	19.7	284
2—2	67.2	10.4	11.9	10.4	268	6	57.7	10.2	5.2	26.9	312
4	60.8	9.5	10.8	18.9	296	2—2	66.2	11.7	11.7	10.3	272
6	55.6	8.6	9.9	25.9	324	4	60.0	10.7	10.7	18.6	300
3—2	63.4	9.8	16.9	9.8	284	6	54.9	9.7	9.7	25.6	328
4	57.7	9.0	15.4	17.9	312	15—33—3—1	65.4	12.0	17.4	5.1	275
6	52.9	8.2	14.1	24.7	340	18—2—6—2	60.4	0.6	30.2	8.8	318
4—2	60.0	9.3	21.3	9.3	300	16—6—2—2	74.4	2.3	12.4	10.9	258
4	54.9	8.5	19.5	17.1	328	8—4	50.3	1.6	33.5	14.6	382
6	50.6	7.8	18.9	23.6	356	16—7—6—1	62.1	2.3	31.1	4.5	309
5—2	57.0	8.8	25.3	8.8	316	16—8—2—2	73.8	3.1	12.3	10.8	260
4	52.3	8.1	23.3	16.3	344	4	66.7	2.8	11.1	19.4	288
6	48.4	7.5	21.5	22.6	372	4—2	65.8	2.7	21.9	9.6	292
15—29—1—1	75.3	12.1	6.7	5.9	239	4	60.0	2.5	20.0	17.5	320
3	67.4	10.9	6.0	15.7	267	6	55.2	2.3	18.4	24.1	348
5	61.0	9.8	5.4	23.7	295	5—2	62.3	2.6	26.0	9.1	308
2—1	70.6	11.4	12.6	5.4	255	4	57.1	2.4	23.8	16.7	336
3	63.6	10.2	11.3	14.8	283	6	52.7	2.2	22.0	23.1	364
5	57.9	9.3	10.3	22.5	311	6—2	59.3	2.5	29.6	8.6	324
3—1	66.4	10.7	17.7	5.2	271	4	54.5	2.3	27.3	15.9	352
3	60.2	9.7	16.0	14.0	299	6	50.5	2.1	25.3	22.1	380
5	55.0	8.9	14.7	21.4	327	7—2	56.5	2.3	32.9	8.2	340
4—1	62.7	10.1	22.3	4.9	287	4	52.2	2.2	30.4	15.2	368
3	57.1	9.2	20.3	13.3	315	6	48.5	2.0	28.3	21.2	396
5	52.5	8.4	18.6	20.4	343	10—4	46.2	1.9	38.4	13.5	416
5—1	59.4	9.6	26.4	4.6	303	13—4	41.4	1.7	44.8	12.1	464
3	54.4	8.7	24.2	12.7	331	16—9—1—1	83.1	3.9	6.9	6.1	231
5	50.1	8.1	22.3	19.5	359	3	74.1	3.5	6.2	16.2	259
15—30—1—2	70.9	11.8	6.3	11.0	254	5	66.9	3.1	5.6	24.4	287
4	63.8	10.6	5.7	19.8	282	2—1	77.7	3.6	12.9	5.7	247
6	58.1	9.7	5.1	27.1	310	3	69.8	3.3	11.6	15.3	275
2—2	66.7	11.1	11.8	10.4	270	5	63.4	3.0	10.5	23.1	303
4	60.4	10.1	10.7	18.8	298	3—1	73.0	3.4	18.2	5.3	263
6	55.2	9.2	9.8	25.8	326	3	66.0	3.1	16.5	14.4	291
3—2	62.9	10.5	16.8	9.8	286	5	60.2	2.8	15.0	21.9	319
4	57.3	9.5	15.3	17.8	314	4—1	68.8	3.2	22.9	5.0	279
6	52.6	8.8	14.0	24.6	342	3	62.5	2.9	20.8	13.7	307
4—2	59.6	9.9	21.2	9.3	302	5	57.3	2.7	19.1	20.9	335
4	54.5	9.1	19.4	17.0	330	5—1	65.1	3.0	27.1	4.7	295
6	50.3	8.4	17.9	23.4	358	3	59.4	2.8	24.8	13.0	323

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
16—9—5—5	54,6	2,6	22,8	19,9	351	16—12—1—4	69,6	4,3	5,8	20,3	276
7	50,6	2,4	21,1	25,8	379		6	63,2	3,9	5,3	27,6
6—5	52,3	2,4	26,2	19,1	367	2—2	72,7	4,5	12,1	10,6	264
8—5	48,1	2,2	32,1	17,5	309		4	65,8	4,1	10,9	19,2
7	45,0	2,1	30,0	22,0	427		6	60,0	3,7	10,0	26,3
16—10—1—2	78,0	4,1	6,5	11,4	246	3—2	68,6	4,3	17,1	10,0	280
4	70,1	3,6	5,8	20,4	274		4	62,3	3,9	15,6	18,1
6	63,6	3,3	5,3	27,8	302		6	57,1	3,6	14,3	25,0
2—2	73,3	3,8	12,2	10,7	262	4—2	64,8	4,1	21,6	9,5	266
4	66,2	3,4	11,0	19,3	290		4	59,3	3,7	19,7	17,3
6	60,4	3,1	10,1	26,4	318		6	54,5	3,4	18,2	23,9
3—2	69,1	3,6	17,3	10,0	278	5—2	61,5	3,8	25,6	9,0	312
4	62,7	3,3	15,7	18,3	306		4	50,5	3,5	23,5	16,5
6	57,5	3,0	14,4	25,1	334		6	52,2	3,3	21,7	22,8
4—2	65,3	3,4	21,8	9,5	294	6—2	58,5	3,7	29,3	8,5	328
4	50,6	3,1	19,9	17,4	322		4	53,9	3,4	27,0	15,7
6	54,9	2,8	18,3	24,0	350		6	50,0	3,1	25,0	21,9
5—2	61,9	3,2	25,8	9,0	310	7—2	55,8	3,5	32,6	8,1	344
4	56,8	3,0	23,7	16,5	338		4	51,6	3,2	30,1	15,1
6	52,5	2,7	21,9	22,9	366		6	48,0	3,0	28,0	21,0
6—2	58,9	3,1	29,4	8,6	326	8—2	53,3	3,3	35,6	7,8	360
4	54,2	2,8	27,1	15,8	354		4	49,5	3,1	33,0	14,4
6	50,3	2,6	25,1	22,0	382		6	46,1	2,9	30,8	20,2
8	46,8	2,4	23,4	27,3	410		9—2	51,1	3,2	35,3	7,4
7—2	50,1	2,9	32,7	8,2	342		10—4	45,7	2,9	38,1	13,3
4	51,9	2,7	30,3	15,1	370		6	42,8	2,7	35,7	18,8
6	48,2	2,5	28,1	21,1	398	16—13—1—1	81,7	5,5	6,8	6,0	235
8—2	53,6	2,8	35,7	7,8	355		3	73,0	4,9	6,1	16,0
4	49,7	2,6	33,2	14,5	386		5	68,0	4,5	5,5	24,0
6	46,4	2,4	30,9	20,3	414		2—1	76,5	5,2	12,7	5,6
9—2	51,3	2,7	38,5	7,5	374		3	68,8	4,7	11,5	15,0
6	44,6	2,3	33,5	19,5	430		5	62,5	4,2	10,4	22,8
12—4	42,7	2,2	42,7	12,4	450	3—1	71,9	4,9	18,0	5,2	267
16—11—1—1	82,4	4,7	6,9	6,0	233		3	65,1	4,4	16,3	14,2
3	73,6	4,2	6,1	16,1	261		5	59,4	4,0	14,9	21,7
5	66,4	3,8	5,5	24,2	289		4—1	67,9	4,6	22,6	4,9
2—1	77,1	4,4	12,8	5,6	249		3	61,7	4,2	20,6	13,5
3	69,3	4,0	11,5	15,2	277		5	56,6	3,8	18,9	20,6
5	62,9	3,6	10,5	22,9	305		5—1	64,2	4,3	26,7	4,7
3—1	72,5	4,1	18,1	5,3	265		3	58,7	4,0	24,5	12,8
3	65,5	3,7	16,4	14,3	293		5	54,1	3,7	22,5	19,7
5	59,8	3,4	15,0	21,8	321		6—1	61,0	4,1	30,9	4,4
4—1	68,3	3,9	22,8	5,0	251		3	56,0	3,8	28,0	12,2
3	62,1	3,6	20,7	13,6	309		5	51,7	3,5	25,9	18,9
5	57,0	3,2	19,0	20,8	337		7—1	58,0	3,9	33,8	4,3
5—1	64,7	3,7	26,9	4,7	297		3	53,5	3,6	31,2	11,7
3	59,1	3,4	24,6	12,9	325		5	49,6	3,4	23,9	18,1
5	54,4	3,1	22,7	19,8	353		8—1	55,3	3,7	36,9	4,0
6—1	61,3	3,5	30,7	4,5	313		3	51,2	3,5	34,1	11,2
3	56,3	3,2	28,2	12,3	341		5	47,5	3,2	31,5	17,4
5	52,0	3,0	26,0	19,0	369		9—5	45,8	3,1	34,3	16,7
7—1	58,4	3,3	34,1	4,2	329		10—3	47,2	3,2	39,3	10,3
3	53,8	3,1	31,4	11,7	357		4	69,1	5,0	5,8	20,1
5	49,9	2,8	29,1	18,2	385		6	62,7	4,6	5,2	27,5
8—1	55,7	3,2	37,1	4,0	345		2—2	72,2	5,3	12,0	10,5
3	51,5	2,9	24,3	11,3	373		4	65,3	4,8	10,9	10,0
5	47,9	2,7	31,9	17,5	401		6	59,6	4,3	9,9	26,1
10—3	47,4	2,7	39,5	10,4	405		3—2	68,1	5,0	17,0	9,9
16—12—1—2	77,4	4,8	6,4	11,3	248						262

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	G.M.
<b>16—14—3—4</b>	61.9	4.5	15.5	18.1	310	<b>16—16—5—2</b>	60.6	5.1	25.3	8.9	316
<b>6</b>	56.8	4.1	14.2	24.8	338	<b>4</b>	55.8	4.6	23.3	16.3	344
<b>4—2</b>	64.4	4.7	21.5	9.4	298	<b>6</b>	51.6	4.3	21.5	22.6	372
<b>4</b>	58.9	4.3	19.6	17.2	326	<b>6—2</b>	57.8	4.8	28.9	8.4	332
<b>6</b>	54.2	3.9	18.1	23.7	354	<b>4</b>	53.3	4.4	26.7	15.5	360
<b>5—2</b>	61.2	4.4	25.5	8.9	314	<b>6</b>	49.5	4.1	24.7	21.6	388
<b>4</b>	56.1	4.1	23.4	16.4	342	<b>7—2</b>	55.2	4.6	32.2	8.0	348
<b>6</b>	51.9	3.8	21.6	22.7	370	<b>4</b>	51.1	4.2	29.8	14.9	376
<b>6—2</b>	58.2	4.2	29.1	8.5	330	<b>6</b>	47.5	4.0	27.7	20.8	404
<b>4</b>	53.6	3.9	26.8	15.6	358	<b>8—2</b>	52.7	4.4	35.2	7.7	364
<b>6</b>	49.7	3.6	24.9	21.7	386	<b>4</b>	49.0	4.1	32.6	14.3	382
<b>7—2</b>	55.5	4.0	32.4	8.1	346	<b>6</b>	45.7	3.8	30.5	20.0	420
<b>4</b>	51.3	3.7	30.0	15.0	374	<b>8</b>	42.9	3.5	28.6	25.0	448
<b>6</b>	47.8	3.5	27.8	20.9	402	<b>16—17—1—1</b>	80.3	7.1	6.7	5.9	239
<b>8—2</b>	53.0	3.9	35.4	7.7	362	<b>3</b>	71.9	6.4	6.0	15.7	267
<b>4</b>	49.2	3.6	32.8	14.4	390	<b>5</b>	65.1	5.8	5.4	23.7	295
<b>6</b>	45.9	3.3	30.6	20.1	418	<b>2—1</b>	75.3	6.6	12.6	5.5	255
<b>9—2</b>	50.8	3.7	38.1	7.4	378	<b>3</b>	67.9	6.0	11.3	14.8	283
<b>4</b>	47.3	3.4	35.5	13.8	406	<b>5</b>	61.7	5.5	10.3	22.5	311
<b>6</b>	44.2	3.2	33.2	19.3	434	<b>3—1</b>	70.9	6.3	17.7	5.2	271
<b>16—15—1—1</b>	81.0	6.3	6.7	5.9	237	<b>3</b>	64.2	5.7	16.0	14.0	299
<b>3</b>	72.5	5.7	6.1	15.8	265	<b>5</b>	58.7	5.2	14.7	21.4	327
<b>5</b>	65.5	5.1	5.5	23.9	293	<b>4—1</b>	66.9	5.9	22.3	4.9	287
<b>2—1</b>	75.9	5.9	12.6	5.5	233	<b>3</b>	60.9	5.4	20.3	13.3	315
<b>3</b>	68.3	5.3	10.8	14.9	281	<b>5</b>	56.0	4.9	18.7	20.4	343
<b>5</b>	62.1	4.8	10.4	22.7	309	<b>5—1</b>	63.4	5.6	26.4	4.6	303
<b>3—1</b>	71.4	5.6	17.8	5.2	269	<b>3</b>	58.0	5.1	24.2	12.7	331
<b>3</b>	64.6	5.0	16.2	14.1	297	<b>5</b>	53.5	4.7	22.3	19.5	359
<b>5</b>	59.1	4.6	14.5	21.5	325	<b>6—1</b>	60.2	5.3	30.1	4.4	319
<b>4—1</b>	67.4	5.3	22.4	4.9	285	<b>3</b>	55.3	4.9	27.7	12.1	347
<b>3</b>	61.4	4.8	20.4	13.4	313	<b>5</b>	51.2	4.5	25.6	18.7	375
<b>5</b>	56.3	4.4	18.8	20.5	341	<b>7—1</b>	57.3	5.1	33.4	4.2	335
<b>5—1</b>	63.8	5.0	26.6	4.6	301	<b>3</b>	52.9	4.7	30.8	11.6	363
<b>3</b>	58.4	4.5	24.3	12.8	329	<b>5</b>	49.1	4.3	28.7	17.9	391
<b>5</b>	53.8	4.2	22.4	19.6	357	<b>9—1</b>	52.3	4.6	39.2	3.8	367
<b>6—1</b>	60.6	4.7	30.3	4.4	317	<b>16—18—1—2</b>	75.6	7.1	6.3	11.0	254
<b>3</b>	55.7	4.3	27.8	12.2	345	<b>4</b>	68.1	6.4	5.7	19.8	292
<b>5</b>	51.5	4.0	25.7	18.8	373	<b>6</b>	61.9	5.8	5.2	27.1	310
<b>7—1</b>	57.7	4.5	33.6	4.2	333	<b>2—2</b>	71.1	6.7	11.8	10.4	270
<b>3</b>	53.2	4.1	31.0	11.6	361	<b>4</b>	64.4	6.0	10.7	18.8	298
<b>5</b>	49.3	3.8	28.8	18.0	389	<b>6</b>	58.9	5.5	9.8	25.8	326
<b>8—1</b>	55.0	4.3	36.7	4.0	349	<b>3—2</b>	67.1	6.3	16.8	9.8	286
<b>3</b>	50.9	4.0	34.0	11.1	377	<b>4</b>	61.2	5.7	15.3	17.8	314
<b>5</b>	47.4	3.7	31.6	17.3	405	<b>6</b>	56.1	5.3	14.0	24.6	342
<b>9—1</b>	52.6	4.1	39.5	3.8	365	<b>4—2</b>	63.6	5.9	21.2	9.3	302
<b>3</b>	48.9	3.8	36.6	10.7	393	<b>4</b>	58.2	5.4	19.4	17.0	330
<b>5</b>	45.6	3.6	34.1	16.6	421	<b>6</b>	53.6	5.0	17.9	23.5	358
<b>16—16—1—2</b>	76.2	6.3	6.3	11.1	252	<b>5—2</b>	60.4	5.6	25.2	8.8	318
<b>4</b>	68.6	5.7	5.7	20.0	280	<b>4</b>	55.5	5.2	23.1	16.2	346
<b>6</b>	62.3	5.2	5.2	27.3	308	<b>6</b>	51.3	4.8	21.4	22.5	374
<b>2—2</b>	71.7	6.0	11.9	10.4	268	<b>6—2</b>	57.5	5.4	28.7	8.4	334
<b>4</b>	64.8	5.4	10.8	18.9	296	<b>4</b>	53.0	5.0	26.5	15.5	362
<b>6</b>	59.3	4.9	9.9	25.9	324	<b>6</b>	49.2	4.6	24.6	21.5	390
<b>3—2</b>	67.6	5.6	16.9	9.9	284	<b>8—2</b>	52.4	4.9	35.0	7.6	366
<b>4</b>	61.5	5.1	15.4	17.9	312	<b>16—19—1—1</b>	79.7	7.9	6.6	5.8	241
<b>6</b>	56.5	4.7	14.1	24.7	340	<b>3</b>	71.4	7.1	5.9	15.6	269
<b>4—2</b>	64.0	5.3	21.3	9.3	300	<b>5</b>	64.6	6.4	5.4	23.6	297
<b>4</b>	58.5	4.9	19.5	17.1	328	<b>2—1</b>	74.7	7.4	12.4	5.4	257
<b>6</b>	53.9	4.5	18.0	23.6	356	<b>3</b>	67.4	6.7	11.2	14.7	285

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>16—19—2—5</b>	61.3	6.1	10.2	22.4	313	<b>16—22—3—6</b>	55.5	6.3	13.9	24.3	346
3—1	70.3	7.0	17.6	5.1	273	<b>4—2</b>	62.7	7.2	20.9	9.1	306
3	63.8	6.3	15.9	13.9	301	<b>4</b>	57.5	6.6	19.1	16.8	334
5	58.4	5.7	14.6	21.3	329	<b>6</b>	53.0	6.1	17.7	23.2	362
4—1	66.4	6.6	22.1	4.8	289	<b>5—2</b>	59.6	6.8	24.8	8.7	322
3	60.6	6.0	20.2	13.2	317	<b>4</b>	54.7	6.4	22.9	16.0	350
5	55.7	5.5	18.5	20.3	345	<b>6</b>	50.8	5.8	21.2	22.2	378
5—1	62.9	6.2	26.2	4.6	305	<b>6—2</b>	56.8	6.5	28.4	8.3	338
3	57.7	5.7	24.0	12.6	333	<b>4</b>	52.5	6.0	26.2	15.3	366
5	53.2	5.2	22.2	19.4	361	<b>6</b>	48.7	5.6	24.4	21.3	394
6—1	59.8	5.9	29.9	4.4	321	<b>8—4</b>	48.2	5.5	32.2	14.1	398
3	55.0	5.4	27.5	12.0	349	<b>13—4</b>	40.2	4.6	43.5	11.7	478
5	50.9	5.0	25.5	18.6	377	<b>16—23—3—1—1</b>	78.4	9.4	6.5	5.7	245
<b>16—20—1—2</b>	75.0	7.8	6.2	10.9	256	<b>3</b>	70.3	8.4	5.9	15.4	273
4	67.6	7.0	5.6	19.7	284	<b>5</b>	63.8	7.6	5.3	23.2	301
6	61.5	6.4	5.1	26.9	312	<b>2—1</b>	73.6	8.8	12.2	5.4	261
2—2	70.6	7.3	11.8	10.3	272	<b>3</b>	66.4	8.0	11.1	14.5	289
4	64.0	6.7	10.7	18.6	300	<b>5</b>	60.6	7.2	10.1	22.1	317
8	58.5	6.1	9.7	25.6	328	<b>3—1</b>	69.3	8.3	17.3	5.1	277
3—2	66.7	6.9	16.7	9.7	288	<b>3</b>	62.9	7.5	15.7	13.8	305
4	60.8	6.3	15.2	17.7	316	<b>5</b>	57.7	6.9	14.4	21.0	333
8	55.8	5.8	14.0	24.4	344	<b>4—1</b>	65.5	7.8	21.8	4.8	293
4—2	63.2	6.6	21.0	9.2	304	<b>3</b>	59.8	7.2	19.9	13.1	321
4	57.8	6.0	19.3	16.9	332	<b>5</b>	55.0	6.6	18.2	20.1	349
6	53.3	5.6	17.8	23.3	360	<b>5—1</b>	62.1	7.4	25.9	4.5	309
5—2	60.0	6.2	25.0	8.8	320	<b>3</b>	57.0	6.8	23.7	12.5	337
4	55.2	5.7	23.0	16.1	348	<b>5</b>	52.6	6.3	21.9	19.2	365
6	51.1	5.3	21.3	22.3	376	<b>6—1</b>	59.1	7.1	29.5	4.3	325
6—2	57.1	5.9	28.6	8.3	336	<b>3</b>	54.4	6.5	27.2	11.9	353
8—2	52.2	5.4	34.7	7.6	368	<b>5</b>	50.4	6.0	25.2	18.4	381
8	42.5	4.4	28.3	24.8	452	<b>9—5</b>	44.7	5.4	33.6	16.3	429
9—6	43.6	4.5	32.7	19.1	440	<b>16—24—1—1—2</b>	73.8	9.2	6.1	10.8	260
<b>16—21—1—1</b>	79.0	8.6	6.6	5.8	243	<b>4</b>	66.7	8.3	5.6	19.4	288
3	70.8	7.7	5.9	15.5	271	<b>6</b>	60.7	7.6	5.1	26.6	316
5	64.2	7.0	5.3	23.4	299	<b>2—2</b>	69.6	8.7	11.6	10.1	276
2—1	74.1	8.1	12.3	5.4	259	<b>4</b>	63.2	7.9	10.5	18.4	304
3	66.9	7.3	11.1	14.6	287	<b>6</b>	57.8	7.2	9.6	25.3	332
5	60.9	6.7	10.2	22.2	315	<b>3—2</b>	65.7	8.2	16.4	9.6	292
3—1	69.8	7.6	17.4	5.1	275	<b>4</b>	60.0	7.5	15.0	17.5	320
3	63.4	6.9	15.8	13.9	303	<b>8</b>	55.2	6.9	13.8	24.1	348
5	58.0	6.3	14.5	21.1	331	<b>4—2</b>	62.3	7.8	20.8	9.1	308
4—1	66.0	7.2	22.0	4.8	291	<b>4</b>	57.1	7.1	19.0	16.7	336
3	60.2	6.6	20.0	13.2	319	<b>6</b>	52.7	6.6	17.6	23.1	364
5	55.3	6.0	18.4	20.2	347	<b>5—2</b>	59.3	7.4	24.7	8.6	324
5—1	62.5	6.8	26.1	4.6	307	<b>4</b>	54.6	6.9	22.7	15.9	352
3	57.3	6.3	23.9	12.5	335	<b>6</b>	50.5	6.3	21.0	22.1	380
5	52.9	5.8	22.0	19.3	363	<b>6—2</b>	50.5	7.1	28.2	8.2	340
6—1	59.4	6.5	39.7	4.3	323	<b>8—2</b>	51.6	6.4	34.4	7.5	372
7—1	56.6	6.2	33.0	4.1	339	<b>16—25—1—1—1</b>	77.7	10.1	6.5	5.7	247
8—1	54.1	5.9	36.0	3.9	355	<b>3</b>	69.8	9.1	5.8	15.3	275
10—1	49.6	5.4	41.3	3.6	387	<b>5</b>	63.3	8.2	5.3	23.1	303
<b>16—22—1—2</b>	74.4	8.5	6.2	10.8	258	<b>2—1</b>	73.0	9.5	12.2	5.3	263
4	67.1	7.7	5.6	19.6	286	<b>3</b>	66.0	8.6	11.0	14.4	291
6	61.2	7.0	5.1	26.7	314	<b>5</b>	60.2	7.8	10.0	21.9	319
2—2	70.1	8.0	11.7	10.2	274	<b>3—1</b>	68.8	9.0	17.2	5.0	279
4	63.6	7.3	10.6	18.5	302	<b>3</b>	62.5	8.1	15.6	13.7	307
6	58.2	6.7	9.7	25.4	330	<b>5</b>	57.3	7.5	14.3	20.9	335
3—2	66.2	7.6	16.5	9.7	290	<b>4—1</b>	65.1	8.5	21.7	4.7	295
4	60.4	6.9	15.1	17.6	318	<b>3</b>	59.4	7.7	19.8	13.0	323

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>16—25—4—5</b>	54.7	7.1	18.2	20.0	351	<b>16—29—2—1</b>	71.9	10.9	12.0	5.2	267
5—1	61.7	8.0	25.7	4.5	311	3	65.1	9.8	10.8	14.2	295
3	56.6	7.4	23.6	12.4	339	5	59.4	9.0	9.9	21.7	323
5	52.3	6.8	21.8	19.1	367	<b>3—1</b>	67.9	10.2	17.0	4.9	283
<b>6—1</b>	58.7	7.6	29.3	4.3	327	3	61.7	9.3	15.4	13.5	311
3	54.1	7.0	27.0	11.8	355	5	56.6	8.6	14.2	20.6	339
5	50.1	6.5	25.1	18.3	383	<b>4—1</b>	64.2	9.7	21.4	4.7	299
<b>16—26—1—2</b>	73.3	9.9	6.1	10.7	262	3	58.7	8.9	19.6	12.8	327
4	66.2	9.0	5.5	19.3	290	5	54.1	8.2	18.0	18.7	355
6	60.4	8.2	5.0	26.4	318	<b>8—1</b>	52.6	7.9	35.1	4.4	365
<b>2—2</b>	79.1	9.3	11.5	10.1	278	<b>16—30—1—2</b>	72.2	11.3	6.0	10.5	266
4	62.7	8.5	10.5	18.3	306	4	65.3	10.2	5.4	19.1	294
6	57.5	7.8	9.6	25.1	334	6	59.6	9.3	5.0	26.1	322
<b>3—2</b>	65.3	8.8	16.3	9.5	294	<b>2—2</b>	68.1	10.6	11.3	9.9	282
4	59.6	8.1	14.9	17.4	322	4	61.9	9.7	10.3	18.1	310
6	54.9	7.4	13.7	24.0	350	6	56.8	8.9	9.5	24.8	338
<b>4—2</b>	61.9	8.4	20.7	9.0	310	<b>3—2</b>	64.4	10.1	16.1	9.4	298
4	56.8	7.7	18.9	16.6	338	4	58.9	9.2	14.7	17.2	326
6	52.4	7.1	17.5	23.0	366	6	54.2	8.5	13.6	23.7	354
<b>5—2</b>	58.9	8.0	24.5	8.6	326	<b>4—2</b>	61.1	9.6	20.4	8.9	314
4	54.2	7.3	22.6	15.8	354	4	56.1	8.8	18.7	16.4	342
6	50.3	6.8	20.9	22.0	382	6	51.9	8.1	17.3	22.7	370
<b>16—27—1—1</b>	77.1	10.8	6.4	5.6	249	<b>5—2</b>	58.2	9.1	24.2	8.5	330
3	69.3	9.7	5.8	15.2	277	4	53.6	8.4	22.3	15.6	358
5	62.9	8.8	5.2	23.0	305	6	49.7	7.8	20.7	21.7	386
<b>2—1</b>	72.5	10.2	12.0	5.3	265	<b>16—31—1—1</b>	75.9	12.2	6.3	5.5	253
3	65.5	9.2	10.9	14.3	293	3	68.3	11.0	5.7	14.9	281
5	59.8	8.4	10.0	21.8	321	5	62.1	10.0	5.2	22.6	309
<b>3—1</b>	68.3	9.6	17.1	5.0	281	<b>2—1</b>	71.4	11.5	11.9	5.2	269
3	62.1	8.7	15.5	13.6	309	3	64.6	10.4	10.8	14.1	297
5	57.0	8.0	14.2	20.8	337	5	59.1	9.5	9.8	21.5	325
<b>4—1</b>	64.6	9.1	21.6	4.7	297	<b>3—1</b>	67.4	10.9	16.8	4.9	285
3	59.1	8.3	19.7	12.9	325	3	61.4	9.9	15.3	13.4	313
5	54.4	7.6	18.1	19.8	353	5	56.3	9.1	14.1	20.5	341
<b>5—1</b>	61.4	8.6	25.6	4.4	313	9	48.4	7.8	12.1	31.7	397
3	56.3	7.9	23.5	12.3	341	<b>4—1</b>	63.8	10.3	21.3	4.6	301
5	52.0	7.3	21.7	19.0	369	3	58.4	9.4	19.4	12.7	329
8—3	49.3	6.9	32.9	10.8	389	5	53.8	8.7	17.9	16.6	357
<b>16—28—1—2</b>	72.7	10.6	6.1	10.6	264	<b>5—1</b>	60.6	9.8	25.2	4.4	317
4	65.7	9.6	5.5	19.2	292	3	55.7	9.0	23.2	12.1	345
6	60.0	8.7	5.0	26.2	320	5	51.5	8.3	21.4	18.8	373
<b>2—2</b>	68.6	10.0	11.4	10.0	280	<b>16—32—1—2</b>	71.6	11.9	6.0	10.5	268
4	62.3	9.1	10.4	18.2	308	4	64.8	10.8	5.4	18.9	296
6	57.1	8.3	9.5	25.0	336	6	59.2	9.9	4.9	25.9	324
<b>3—2</b>	64.8	9.5	16.2	9.5	296	8	54.5	9.1	4.5	31.8	352
4	59.3	8.6	14.8	17.3	324	<b>2—2</b>	67.6	11.3	11.3	9.8	284
6	54.5	8.0	13.6	23.9	352	4	61.6	10.2	10.2	17.9	312
<b>4—2</b>	61.5	9.0	20.5	9.0	312	6	56.5	9.4	9.4	24.7	340
4	56.4	8.2	18.8	16.5	340	<b>3—2</b>	64.0	10.7	16.0	9.3	300
6	52.2	7.6	17.4	22.8	368	4	58.5	9.7	14.6	17.1	328
<b>5—2</b>	58.5	8.5	24.4	8.5	328	6	53.9	9.0	13.5	23.6	356
4	53.9	7.9	22.5	15.7	356	<b>4—2</b>	60.8	10.1	20.2	8.9	316
6	50.0	7.3	20.8	21.9	384	4	55.8	9.3	18.6	16.3	344
<b>6—2</b>	55.8	8.1	27.9	8.1	344	6	51.6	8.6	17.2	22.6	372
4	51.6	7.5	25.8	15.1	372	<b>16—33—1—1</b>	75.3	12.9	6.3	5.5	255
6	48.0	7.0	24.0	21.0	400	3	67.8	11.7	5.6	14.8	283
<b>16—29—1—1</b>	76.5	11.5	6.4	5.6	251	5	61.7	10.6	5.1	22.5	311
3	68.8	10.4	5.7	15.1	279	<b>2—1</b>	70.8	12.1	11.8	5.2	271
5	62.5	9.4	5.2	22.8	307	3	64.2	11.0	10.7	14.0	299

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>16-33-2-5</b>	58,7	10,1	9,8	21,4	327	<b>17-12-1-6</b>	64,6	3,8	5,0	26,6	316
3-1	66,9	11,5	16,7	4,9	287	<b>2-2</b>	73,9	4,3	11,6	10,1	276
3	61,0	10,5	15,2	13,3	315	<b>4</b>	67,1	3,9	10,5	18,4	304
5	56,0	9,6	14,0	20,4	343	<b>6</b>	61,4	3,6	9,6	25,3	332
<b>4-1</b>	63,4	10,9	21,1	4,6	308	<b>3-2</b>	60,9	4,1	16,4	9,6	292
3	58,0	10,0	19,3	12,7	331	<b>4</b>	63,7	3,7	15,0	17,5	320
5	53,5	9,2	17,8	19,5	359	<b>6</b>	58,6	3,4	13,8	24,1	348
<b>16-34-1-2</b>	71,1	12,6	5,9	10,4	270	<b>4-2</b>	66,2	3,9	20,8	9,1	308
4	64,4	11,4	5,4	18,8	298	<b>4</b>	60,7	3,6	19,0	16,7	336
6	58,9	10,4	4,9	25,8	326	<b>6</b>	56,0	3,3	17,6	23,1	364
<b>2-2</b>	67,1	11,9	11,2	9,8	286	<b>5-2</b>	63,0	3,7	24,7	8,6	324
4	61,1	10,8	10,2	17,8	314	<b>4</b>	58,0	3,4	22,7	15,9	352
6	56,1	9,9	9,3	24,6	342	<b>6</b>	53,7	3,2	21,0	22,1	380
<b>3-4</b>	58,2	10,3	14,5	17,0	330	<b>6-2</b>	60,0	3,5	28,2	8,2	340
17-7-10-1	53,0	1,8	41,6	3,6	385	<b>4</b>	55,4	3,3	26,1	15,2	368
<b>17-9-2-1</b>	78,8	3,5	12,3	5,4	259	<b>6</b>	51,5	3,0	24,2	21,2	396
3	71,1	3,1	11,1	14,7	287	<b>8-2</b>	54,8	3,2	34,4	7,5	372
5	64,8	2,9	10,1	22,2	315	<b>17-13-1-1</b>	82,6	5,3	6,5	5,6	247
3-1	74,2	3,3	17,4	5,1	275	<b>3</b>	74,2	4,7	5,8	15,3	275
3	67,3	3,0	15,8	13,9	303	<b>5</b>	67,3	4,3	5,3	23,1	303
5	61,6	2,7	14,5	21,2	331	<b>2-1</b>	77,6	4,9	12,2	5,3	263
<b>4-1</b>	70,1	3,1	22,0	4,8	291	<b>3</b>	70,1	4,5	11,0	14,4	291
3	63,9	2,8	20,1	13,2	319	<b>5</b>	64,0	4,1	10,0	21,9	319
5	58,8	2,6	18,4	20,2	347	<b>3-1</b>	73,1	4,7	17,2	5,0	279
5-1	66,4	2,9	26,1	4,6	307	<b>3</b>	66,4	4,2	15,6	13,8	307
6-1	63,2	2,8	29,7	4,3	323	<b>5</b>	60,9	3,9	14,3	20,9	335
3	58,1	2,5	27,4	12,0	351	<b>4-1</b>	69,2	4,4	21,7	4,7	295
7-1	60,2	2,7	33,0	4,1	339	<b>3</b>	73,2	4,0	19,8	13,0	323
<b>8-1</b>	57,5	2,5	36,0	3,9	355	<b>5</b>	58,1	3,7	18,2	19,9	351
<b>17-10-2-2</b>	74,5	3,6	11,7	10,2	274	<b>5-1</b>	65,6	4,2	25,7	4,5	311
3-2	70,4	3,4	16,5	9,7	290	<b>3</b>	60,2	3,8	23,6	12,4	339
4	64,2	3,1	15,1	17,6	318	<b>5</b>	55,6	3,5	21,8	19,1	367
6	58,9	2,9	13,9	24,3	346	<b>6-1</b>	62,4	4,0	29,3	4,3	327
4-2	66,7	3,3	20,9	9,1	306	<b>3</b>	57,5	3,7	27,0	11,8	355
<b>6-8</b>	48,3	2,4	22,7	26,5	422	<b>5</b>	53,2	3,4	25,1	18,3	383
7-2	57,6	2,8	31,6	7,9	354	<b>7-1</b>	59,5	3,8	32,6	4,1	343
<b>9-2</b>	52,8	2,6	37,3	7,3	386	<b>3</b>	55,0	3,5	30,2	11,3	371
<b>17-11-1-1</b>	83,3	4,5	6,5	5,7	245	<b>5</b>	51,1	3,3	28,1	17,5	399
3	74,7	4,1	5,8	15,4	273	<b>8-1</b>	56,8	3,6	35,7	3,9	359
5	67,8	3,6	5,3	23,2	301	<b>3</b>	52,7	3,4	33,1	10,8	387
<b>2-1</b>	78,1	4,2	12,3	5,4	261	<b>5</b>	49,2	3,1	30,8	16,9	415
3	70,6	3,8	11,1	14,5	289	<b>17-14-1-2</b>	77,9	5,3	6,1	10,7	262
5	64,3	3,5	10,1	22,1	317	<b>4</b>	70,4	4,8	5,5	19,3	290
<b>3-1</b>	73,6	4,0	17,3	5,1	277	<b>6</b>	64,2	4,4	5,0	26,4	318
3	66,9	3,6	15,7	13,8	305	<b>2-2</b>	73,4	5,0	11,5	10,1	278
5	61,3	3,3	14,4	21,0	333	<b>4</b>	66,7	4,6	10,4	18,3	306
<b>4-1</b>	69,6	3,7	21,8	4,8	293	<b>6</b>	61,1	4,2	9,0	25,1	334
3	63,5	3,4	19,9	13,1	321	<b>3-2</b>	69,4	4,8	16,3	9,5	294
5	58,4	3,2	18,3	20,1	349	<b>4</b>	63,3	4,3	14,9	17,4	322
<b>5-1</b>	66,0	3,6	25,9	4,5	309	<b>6</b>	58,3	4,0	13,7	24,0	350
3	60,5	3,3	23,7	12,5	337	<b>4-2</b>	65,8	4,5	20,6	9,0	310
5	55,9	3,0	21,9	19,2	365	<b>4</b>	60,3	4,1	18,9	16,6	338
<b>6-1</b>	62,8	3,4	29,5	4,3	325	<b>6</b>	55,7	3,8	17,5	22,9	366
3	57,8	3,1	27,2	11,9	353	<b>5-2</b>	62,6	4,3	24,5	8,6	326
5	53,5	2,9	25,2	18,4	381	<b>4</b>	57,6	4,0	22,6	15,8	354
<b>9-3</b>	50,9	2,7	35,9	10,5	401	<b>6</b>	53,4	3,7	20,9	22,0	382
<b>12-7</b>	40,4	2,2	38,0	19,4	405	<b>6-2</b>	59,6	4,1	28,1	8,2	342
<b>17-12-1-2</b>	78,4	4,6	6,2	10,8	260	<b>4</b>	55,1	3,8	25,9	15,1	370
<b>4</b>	70,8	4,2	5,6	19,4	288	<b>6</b>	51,3	3,5	24,1	21,0	398

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
17—14—7—4	52,8	3,6	29,0	14,5	386	17—17—6—3	56,8	4,7	26,7	11,7	359
8—2	54,5	3,7	34,2	7,5	374		5	52,7	4,4	24,8	18,1
10—4	47,0	3,2	36,8	12,9	414	17—18—1—2	76,7	6,8	6,0	10,5	266
17—15—1—1	81,9	6,0	6,4	5,6	249		4	69,4	6,1	5,4	19,1
3	73,6	5,4	5,8	15,2	277		6	63,3	5,6	5,0	26,1
5	66,9	4,9	5,2	22,9	305	2—2	72,3	6,4	11,3	9,9	282
2—1	77,0	5,7	12,0	5,3	265		4	65,8	5,8	10,3	18,1
3	69,6	5,1	11,9	14,3	293		6	60,4	5,3	9,5	24,8
5	63,5	4,7	10,0	21,8	321	3—2	68,5	6,0	16,1	9,4	298
3—1	72,6	5,3	17,0	5,1	281		4	62,6	5,5	14,7	17,2
3	66,0	4,8	15,5	13,6	309		6	57,6	5,1	13,5	23,7
5	60,5	4,4	14,2	20,8	337	4—2	65,0	5,7	20,4	8,9	314
4—1	68,7	5,0	21,5	4,7	297		4	59,6	5,3	18,7	16,4
3	62,8	4,6	19,7	12,9	325		6	55,1	4,9	17,3	22,7
5	57,8	4,2	18,1	19,8	353		10	47,9	4,2	15,0	32,9
5—1	65,2	4,8	25,6	4,4	313	5—2	61,8	5,4	24,2	8,5	330
3	59,8	4,4	23,5	12,3	341		4	57,0	5,0	22,3	15,6
5	55,3	4,0	21,7	19,0	369		6	52,8	4,7	20,7	21,7
6—1	62,0	4,6	29,2	4,2	329	6—2	59,0	5,2	27,7	8,1	346
3	57,1	4,2	26,9	11,8	357		4	54,5	4,8	25,7	15,0
5	53,0	3,9	24,9	18,2	385		6	50,7	4,5	23,9	20,9
7—1	59,2	4,3	32,5	4,0	345	17—19—1—1	80,6	7,5	6,3	5,5	253
3	54,7	4,0	30,0	11,3	373		3	72,6	6,8	5,7	14,9
5	50,9	3,7	27,9	17,5	401		5	66,0	6,2	4,2	22,6
8—1	56,5	4,1	35,4	3,9	361	2—1	75,8	7,1	11,9	5,2	269
17—16—1—2	77,3	6,0	6,0	10,6	264		3	68,7	6,4	10,8	14,1
4	69,9	5,5	5,5	19,1	292		5	62,8	5,8	9,8	21,5
6	63,5	5,0	5,0	26,5	320	3—1	71,6	6,7	16,8	4,9	
2—2	72,9	5,7	11,4	10,0	280		3	65,2	6,1	15,3	13,4
4	66,2	5,2	10,4	18,2	308		5	58,8	5,6	14,1	20,5
6	60,7	4,8	9,5	25,0	336	4—1	67,8	6,3	21,3	4,6	
3—2	68,9	5,4	16,2	9,4	296		3	62,0	5,8	19,4	12,8
4	63,0	4,9	14,8	17,3	324		5	57,1	5,3	17,9	19,6
6	58,0	4,5	13,6	23,9	352	5—1	64,4	6,0	25,2	4,4	
4—2	65,4	5,1	20,5	9,0	312		3	59,1	5,5	23,2	12,2
4	60,0	4,7	18,8	16,5	340		5	54,7	5,1	21,4	18,8
6	55,4	4,3	17,4	22,8	368	6—1	61,3	5,7	28,8	4,2	
5—2	62,2	4,9	24,4	8,5	328		3	56,5	5,3	26,6	11,6
4	57,3	4,5	22,5	15,7	356		5	52,4	4,9	24,7	18,0
6	53,1	4,1	20,8	21,8	384	17—20—1—2	76,1	7,5	6,0	10,4	268
6—2	59,3	4,6	27,9	8,1	344		4	68,9	6,8	5,4	18,9
4	54,8	4,3	25,8	15,1	372		6	63,0	6,2	4,9	25,9
6	51,0	4,0	24,0	21,0	400	2—2	71,8	7,0	11,3	9,9	284
17—17—1—1	81,3	6,8	6,3	5,6	251		4	65,4	6,4	10,3	17,9
3	73,1	6,1	5,7	15,1	279		6	60,0	5,9	9,4	24,7
5	66,4	5,5	5,2	22,8	307	3—2	68,0	6,7	16,0	9,3	300
2—1	76,4	6,4	12,0	5,2	267		4	62,2	6,1	14,6	17,1
3	69,2	5,8	10,8	14,2	295		6	57,3	5,6	13,5	23,6
5	63,2	5,2	9,9	21,7	323	4—2	64,6	6,3	20,3	8,8	316
3—1	72,1	6,0	17,0	4,9	283		4	59,3	5,8	18,6	16,3
3	65,6	5,5	15,4	13,5	311		6	54,8	5,4	17,2	22,6
5	60,2	5,0	14,1	20,7	339	5—2	61,4	6,0	24,1	8,4	332
4—1	68,2	5,7	21,4	4,7	299		4	56,7	5,6	22,2	15,5
3	62,4	5,2	19,6	12,8	327		6	52,6	5,2	20,6	21,6
5	57,5	4,8	18,0	19,7	355	6—2	58,6	5,7	27,6	8,1	348
5—1	64,8	5,4	25,4	4,4	315		4	54,2	5,3	25,5	14,0
3	59,5	4,9	23,3	12,2	343		6	50,5	4,9	23,8	20,8
5	55,0	4,6	21,5	18,9	371	7—2	56,0	5,5	30,8	7,7	364
6—1	61,6	5,1	29,0	4,2	331		4	52,0	5,1	28,6	14,3

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>17—20—7—6</b>	48.6	4.8	26.6	20.0	420	<b>17—24—8—2</b>	51.0	6.0	36.0	7.0	400
<b>8—2</b>	53.7	5.2	33.7	7.4	380	<b>4</b>	47.6	5.6	33.6	13.1	428
<b>17—21—1—1</b>	80.0	8.2	6.3	5.5	255	<b>17—25—1—1</b>	78.8	9.6	6.2	5.4	259
<b>3</b>	72.1	7.4	5.6	14.8	283	<b>3</b>	71.1	8.7	5.6	14.6	287
<b>5</b>	65.6	6.7	5.1	22.5	311	<b>5</b>	64.8	7.9	5.1	22.2	315
<b>2—1</b>	75.3	7.7	11.8	5.2	271	<b>2—1</b>	74.2	9.1	11.6	5.1	275
<b>3</b>	68.2	7.0	10.7	14.0	299	<b>3</b>	67.3	8.2	10.6	13.9	303
<b>5</b>	62.4	6.4	9.8	21.4	327	<b>5</b>	61.6	7.6	9.7	21.1	331
<b>3—1</b>	71.1	7.3	16.7	4.9	287	<b>3—1</b>	70.1	8.6	16.5	4.8	291
<b>3</b>	64.8	6.7	15.2	13.3	315	<b>3</b>	63.9	7.9	15.0	13.2	319
<b>5</b>	59.5	6.1	14.0	20.4	343	<b>5</b>	58.8	7.2	13.8	20.2	347
<b>4—1</b>	67.3	6.9	21.1	4.6	303	<b>4—1</b>	66.4	8.1	20.8	4.6	307
<b>3</b>	61.6	6.3	19.3	12.7	331	<b>3</b>	60.9	7.5	19.1	12.5	335
<b>5</b>	56.8	5.8	17.8	19.5	359	<b>5</b>	56.1	6.9	17.6	19.3	363
<b>5—1</b>	63.9	6.6	25.1	4.4	319	<b>5—1</b>	63.2	7.7	24.8	4.3	323
<b>3</b>	58.8	6.1	23.0	12.1	347	<b>8—3</b>	51.1	0.3	32.1	10.5	399
<b>5</b>	54.4	5.6	21.3	18.7	375	<b>17—26—1—2</b>	74.4	9.5	5.8	10.2	274
<b>6—1</b>	60.9	6.3	28.6	4.2	335	<b>4</b>	67.6	8.6	5.3	18.5	302
<b>9—1</b>	53.3	5.5	37.6	3.6	383	<b>6</b>	61.8	7.9	4.8	25.4	330
<b>17—22—1—2</b>	75.6	8.1	5.9	10.4	270	<b>2—2</b>	70.3	9.0	11.0	9.7	290
<b>4</b>	68.4	7.4	5.4	18.8	298	<b>4</b>	64.1	8.2	10.1	17.6	318
<b>6</b>	62.6	6.7	4.9	25.8	326	<b>8</b>	58.9	7.5	9.2	24.3	346
<b>2—2</b>	71.3	7.7	11.2	9.8	286	<b>3—2</b>	66.7	8.5	15.7	9.1	306
<b>4</b>	65.0	7.0	12.7	314	<b>4</b>	61.1	7.8	14.3	16.8	334	
<b>8</b>	59.6	6.4	9.3	24.6	<b>6</b>	56.3	7.2	13.3	23.2	362	
<b>3—2</b>	67.5	7.3	15.9	9.3	302	<b>4—2</b>	63.3	8.1	19.9	8.7	322
<b>4</b>	61.8	6.7	14.5	17.0	330	<b>4</b>	58.3	7.4	18.3	16.0	350
<b>6</b>	57.0	6.1	13.4	23.5	358	<b>6</b>	54.0	6.9	16.9	22.2	378
<b>4—2</b>	64.1	6.9	20.1	8.8	318	<b>17—27—1—1</b>	28.2	10.3	6.1	5.4	261
<b>4</b>	58.9	6.3	18.5	16.2	346	<b>3</b>	70.6	9.3	5.5	14.5	289
<b>6</b>	54.5	5.9	17.1	22.5	374	<b>5</b>	64.4	8.5	5.0	22.1	317
<b>5—2</b>	61.1	6.6	23.9	8.4	334	<b>2—1</b>	73.6	9.7	11.6	5.1	277
<b>17—23—1—1</b>	79.4	8.9	6.2	5.4	257	<b>3</b>	66.9	8.8	10.5	13.8	305
<b>3</b>	71.6	8.1	5.6	14.7	285	<b>5</b>	61.3	8.1	9.6	21.0	333
<b>5</b>	65.2	7.3	5.1	22.4	313	<b>3—1</b>	69.6	9.2	16.4	4.8	293
<b>2—1</b>	74.7	8.4	11.7	5.1	273	<b>3</b>	63.5	8.4	15.0	13.1	321
<b>3</b>	67.8	7.7	10.6	13.9	301	<b>5</b>	58.4	7.7	13.8	20.1	349
<b>5</b>	62.0	7.0	9.7	21.3	329	<b>4—1</b>	66.0	8.7	20.7	4.5	309
<b>3—1</b>	70.6	8.0	16.6	4.8	289	<b>3</b>	60.5	8.0	19.0	12.5	337
<b>3</b>	64.4	7.2	15.1	13.3	317	<b>5</b>	55.9	7.4	17.5	19.2	365
<b>5</b>	59.1	6.7	23.9	20.3	345	<b>5—1</b>	62.8	8.3	24.6	4.3	325
<b>4—1</b>	66.9	7.5	21.0	4.6	305	<b>17—28—1—2</b>	73.9	10.1	5.8	10.1	276
<b>3</b>	61.3	6.9	19.2	12.6	333	<b>4</b>	67.1	9.2	5.3	18.4	304
<b>5</b>	56.5	6.4	17.7	19.4	361	<b>6</b>	61.4	8.4	4.8	25.3	332
<b>5—1</b>	63.5	7.2	24.9	4.4	321	<b>2—2</b>	69.9	9.6	10.9	9.6	292
<b>6—1</b>	60.5	6.8	28.5	4.1	337	<b>4</b>	63.7	8.7	10.0	17.5	320
<b>17—24—1—2</b>	75.0	8.5	5.9	10.3	272	<b>6</b>	58.6	8.0	9.2	24.1	348
<b>4</b>	68.0	8.0	5.3	18.7	300	<b>3—2</b>	66.2	9.1	15.6	9.1	308
<b>6</b>	62.2	7.3	4.9	25.6	328	<b>4</b>	60.7	8.3	14.3	16.7	336
<b>2—2</b>	70.8	8.3	11.1	9.7	288	<b>6</b>	56.0	7.7	13.2	23.1	364
<b>4</b>	64.6	7.6	10.0	17.7	316	<b>4—2</b>	63.0	8.6	19.7	8.6	324
<b>6</b>	59.3	7.0	9.3	24.4	344	<b>4</b>	58.0	7.9	18.2	15.9	352
<b>3—2</b>	67.1	7.9	15.8	9.2	304	<b>6</b>	53.7	7.4	16.8	22.1	380
<b>4</b>	61.4	7.2	14.4	16.9	332	<b>17—29—1—1</b>	77.6	11.0	6.1	5.3	263
<b>6</b>	66.6	6.7	13.3	23.3	360	<b>3</b>	70.1	10.0	5.5	14.4	291
<b>4—2</b>	63.7	7.5	20.0	8.7	320	<b>5</b>	64.0	9.1	5.0	21.9	319
<b>4</b>	58.6	6.9	18.4	16.1	348	<b>2—1</b>	73.1	10.4	11.5	5.0	279
<b>6</b>	54.2	6.4	17.0	22.3	376	<b>3</b>	66.4	9.4	10.4	13.7	307
<b>5—2</b>	60.7	7.1	23.8	8.3	336	<b>5</b>	60.9	8.6	9.5	20.9	335

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
17—29—3—1	69.2	9.8	16.3	4.7	295	17—34—2—2	68.4	11.4	10.7	9.4	298
3	63.2	9.0	14.9	12.9	323	4	62.6	10.4	9.8	17.2	326
5	58.1	8.3	13.7	19.9	351	6	57.6	9.6	9.0	23.7	354
4—1	65.6	9.3	20.6	4.5	311	3—2	65.0	10.8	15.3	8.9	314
3	60.2	8.5	18.9	12.4	339	4	59.6	9.9	14.0	16.4	342
5	55.6	7.9	17.4	19.1	367	6	55.1	9.2	13.0	22.7	370
6—1	59.5	8.5	28.0	4.0	343	17—35—1—1	75.8	13.0	5.9	5.2	269
17—30—1—2	73.4	10.8	5.8	10.0	278	3	68.7	11.8	5.4	14.1	297
4	66.7	9.8	5.2	18.3	306	5	62.8	10.7	4.9	21.5	325
6	61.1	8.9	4.8	25.1	334	2—1	71.6	12.3	11.2	4.9	285
2—2	69.4	10.2	10.9	9.5	294	3	65.2	11.2	10.2	13.4	313
4	63.3	9.3	9.9	17.4	322	5	59.8	10.3	9.4	20.5	341
6	58.3	8.6	9.1	24.0	350	3—1	67.8	11.6	16.0	4.6	301
3—2	65.8	9.7	15.5	9.0	310	3	62.0	10.6	14.6	12.8	329
4	60.3	8.9	14.2	16.6	338	5	57.1	9.8	13.4	19.6	357
6	55.7	8.2	13.1	23.0	366	17—36—1—2	71.8	12.7	5.6	9.9	284
4—2	62.9	9.2	19.6	8.6	326	4	65.4	11.5	5.1	17.9	312
4	57.6	8.5	18.1	15.8	354	6	60.0	10.6	4.7	24.7	340
6	53.4	7.8	16.8	21.9	382	2—2	68.0	12.0	10.7	9.3	300
17—31—1—1	77.0	11.7	6.0	5.3	265	4	62.2	11.0	9.7	17.1	328
3	69.6	10.6	5.5	14.3	293	6	57.3	10.1	8.9	23.6	356
5	63.5	9.6	5.0	21.8	321	3—2	64.6	11.4	15.2	8.8	316
2—1	72.6	11.0	11.4	5.0	281	4	59.3	10.5	13.9	16.3	344
3	66.0	10.0	10.4	13.6	309	6	54.8	9.7	12.9	22.6	372
5	60.5	9.2	9.5	20.8	337	4—4	56.7	10.0	17.7	15.6	360
3—1	68.7	10.4	16.2	4.7	297	18—8—9—4	51.2	1.4	34.1	13.3	422
3	62.8	9.5	14.8	12.9	325	10—4	49.3	1.4	36.5	12.8	438
5	57.8	8.8	13.6	10.8	353	12—6	43.4	1.2	38.6	16.8	498
4—1	65.2	9.9	20.4	4.5	313	18—7—16—7	37.4	1.2	44.4	17.0	577
3	59.5	9.1	18.8	12.3	341	18—8—2—2	76.1	2.8	11.3	9.8	284
5	55.3	8.4	17.3	19.0	369	6—2	62.1	2.3	27.6	8.0	348
6—3	54.7	8.3	25.7	11.2	373	4	57.4	2.1	25.5	14.9	376
17—32—1—2	72.9	11.4	5.7	10.0	280	8—4	52.9	2.0	31.4	13.7	408
4	66.2	10.4	5.2	18.2	308	14—6	40.6	1.5	42.1	15.8	532
6	60.7	9.5	4.8	25.0	336	18—9—4—1	71.3	3.0	21.1	4.6	303
2—2	68.9	10.8	10.8	9.4	296	6—1	64.5	2.7	28.6	4.2	335
4	63.0	9.8	9.8	17.3	324	12—5	44.3	1.8	39.4	14.4	487
6	58.0	9.1	9.1	23.8	352	18—10—2—2	75.5	3.5	11.2	9.8	286
3—2	65.4	10.2	15.1	9.0	312	4	68.8	3.2	10.2	17.8	314
4	60.0	9.4	14.1	16.5	340	4—2	67.9	4.1	20.1	8.8	318
6	55.4	8.7	13.0	22.8	368	5—2	64.7	3.0	23.9	8.4	334
4—2	62.2	9.8	19.5	8.5	328	8	51.7	2.4	19.1	26.8	418
4	57.3	9.0	18.0	15.7	356	6—2	61.7	2.9	27.4	8.0	350
6	53.1	8.3	16.7	21.9	384	8—2	56.6	2.6	33.5	7.3	382
17—33—1—1	76.4	12.3	6.1	5.2	267	10—4	48.8	2.3	36.2	12.7	442
3	69.2	11.2	5.4	14.2	295	18—11—1—1	84.1	4.3	6.2	5.4	257
5	63.2	10.2	4.9	21.7	323	3	75.8	3.8	5.6	14.7	285
2—1	72.1	11.7	11.3	4.9	283	5	69.0	3.5	5.1	22.4	313
3	65.6	10.6	10.3	13.5	311	2—1	79.1	4.0	11.7	5.1	273
5	60.2	9.7	9.4	20.6	339	3	71.7	3.6	10.6	14.0	301
3—1	68.2	11.0	16.0	4.7	299	5	65.6	3.3	9.7	21.3	329
3	62.4	10.1	14.7	12.8	327	3—1	74.7	3.8	16.6	4.8	289
5	57.5	9.3	13.5	19.7	355	3	68.1	3.5	15.1	13.2	317
4—1	64.8	10.5	20.3	4.4	315	5	62.6	3.2	13.9	20.3	345
3	59.5	9.6	18.6	12.2	343	4—1	70.8	3.6	21.0	4.6	305
5	55.0	8.9	17.2	18.9	371	3	64.8	3.3	19.2	12.6	333
17—34—1—2	72.3	12.1	5.7	9.9	282	5	59.8	3.0	17.7	19.4	361
4	65.8	11.0	5.1	18.1	310	5—1	67.3	3.4	24.9	4.4	321
6	60.4	10.1	4.7	24.8	338	3	61.9	3.1	22.9	12.0	349

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>18—11—5—5</b>	57,3	2,9	21,2	18,6	377	<b>18—14—1—4</b>	71,5	4,6	5,3	18,6	302
<b>6—1</b>	64,1	3,3	28,5	4,1	337	<b>6</b>	65,5	4,2	4,8	25,4	330
3	59,2	3,0	26,3	11,5	365	<b>2—2</b>	74,5	4,8	11,0	9,7	290
5	54,9	2,8	24,4	17,8	393	<b>4</b>	67,9	4,4	10,1	17,6	318
<b>7—1</b>	61,2	3,1	31,7	4,0	353	<b>6</b>	62,4	4,0	9,2	24,3	346
3	56,7	2,9	29,4	11,0	381	<b>3—2</b>	70,6	4,6	15,7	9,1	306
5	52,8	2,7	27,4	17,1	409	<b>4</b>	64,7	4,2	14,4	16,7	334
<b>8—1</b>	58,5	3,0	34,7	3,8	369	<b>6</b>	59,7	3,9	13,2	23,2	362
3	54,4	2,8	32,2	10,6	397	<b>4—2</b>	67,1	4,3	19,9	8,7	322
5	50,8	2,6	30,1	16,5	425	<b>4</b>	61,7	4,0	18,3	16,0	350
<b>18—12—1—2</b>	79,4	4,4	5,9	10,3	272	<b>6</b>	57,1	3,7	16,9	22,2	378
<b>4</b>	72,0	4,0	5,3	18,7	300	<b>5—2</b>	63,9	4,1	23,7	8,3	338
<b>6</b>	65,8	3,7	4,9	25,6	328	<b>4</b>	59,0	3,8	21,9	15,3	366
<b>2—2</b>	75,0	4,2	11,1	9,7	288	<b>6</b>	54,8	3,5	20,3	21,3	394
4	68,4	3,8	10,1	17,7	316	<b>6—2</b>	61,0	3,9	27,1	7,9	354
6	62,8	3,5	9,3	24,4	344	<b>4</b>	56,6	3,7	25,1	14,6	382
<b>3—2</b>	71,1	3,9	15,8	9,2	304	<b>6</b>	52,7	3,4	23,4	20,5	410
4	65,1	3,6	14,5	16,8	332	<b>7—2</b>	58,4	3,8	30,3	7,5	370
6	60,0	3,3	13,3	23,3	360	<b>8—2</b>	56,0	3,6	33,2	7,2	386
<b>4—2</b>	67,5	3,7	20,0	8,7	320	<b>18—15—1—1</b>	82,8	5,7	6,1	5,4	261
4	62,1	3,4	18,4	16,1	348	<b>3</b>	74,7	5,2	5,5	14,5	289
6	57,4	3,2	17,0	22,3	376	<b>5</b>	68,2	4,7	5,0	22,1	317
<b>5—2</b>	64,3	3,6	23,8	8,3	336	<b>2—1</b>	78,0	5,4	11,5	5,1	277
4	59,3	3,3	22,0	15,4	364	<b>3</b>	70,8	4,9	10,5	13,8	305
6	55,1	3,1	20,4	21,4	392	<b>5</b>	64,9	4,5	9,6	21,0	333
<b>6—2</b>	61,4	3,4	27,3	7,9	352	<b>3—1</b>	73,7	5,1	16,4	4,8	293
4	56,8	3,2	25,3	14,7	380	<b>3</b>	67,3	4,7	14,9	13,1	321
6	52,9	2,9	23,5	20,6	408	<b>5</b>	61,9	4,3	13,8	20,0	349
<b>7—2</b>	58,7	3,3	30,4	7,6	368	<b>4—1</b>	69,9	4,8	20,7	4,5	309
4	54,5	3,0	28,3	14,1	396	<b>3</b>	64,1	4,4	19,0	12,5	337
6	50,9	2,8	26,4	19,8	424	<b>5</b>	59,2	4,1	17,5	19,2	305
8	47,8	2,6	24,8	24,8	452	<b>5—1</b>	60,5	4,6	24,6	4,3	325
<b>8—2</b>	56,2	3,1	33,3	7,3	384	<b>3</b>	61,2	4,2	22,7	11,9	353
4	52,4	2,9	31,0	13,6	412	<b>5</b>	56,7	3,9	21,0	18,4	381
6	49,1	2,7	29,1	19,1	440	<b>6—1</b>	63,3	4,4	28,2	4,1	341
8	46,2	2,6	27,3	23,9	468	<b>3</b>	58,5	4,1	26,0	11,4	369
<b>12—4</b>	45,4	2,5	40,3	11,8	476	<b>5</b>	54,4	3,8	24,2	17,6	397
<b>15—6</b>	39,1	2,2	43,5	15,2	552	<b>18—16—1—2</b>	78,3	5,8	5,8	10,1	276
<b>18—13—1—1</b>	83,4	5,0	6,2	5,4	259	<b>4</b>	71,0	5,3	5,3	18,4	304
<b>3</b>	75,2	4,5	5,6	14,6	287	<b>6</b>	65,1	4,8	4,8	25,3	332
5	68,6	4,1	5,1	22,2	315	<b>2—2</b>	74,0	5,5	10,9	9,6	292
<b>2—1</b>	78,5	4,7	11,6	5,1	275	<b>4</b>	67,5	5,0	10,0	17,5	320
3	71,3	4,3	10,6	13,8	303	<b>6</b>	62,1	4,6	9,2	24,1	348
5	65,2	3,9	9,7	21,1	331	<b>3—2</b>	70,1	5,2	15,6	9,1	308
<b>3—1</b>	74,2	4,5	16,5	4,8	291	<b>4</b>	64,3	4,7	14,3	16,7	336
3	67,7	4,1	15,0	13,2	319	<b>6</b>	59,3	4,4	13,7	23,1	364
5	62,2	3,7	13,8	20,2	347	<b>4—2</b>	66,7	4,9	19,7	8,6	324
<b>4—1</b>	70,4	4,2	20,8	4,6	307	<b>4</b>	61,3	4,5	18,2	15,9	352
3	64,5	3,9	19,1	12,5	335	<b>6</b>	56,8	4,2	16,3	22,1	380
5	59,5	3,6	17,5	19,3	363	<b>5—2</b>	63,5	4,7	23,5	8,2	340
<b>5—1</b>	66,9	4,0	24,8	4,3	323	<b>4</b>	58,7	4,3	21,7	15,2	368
3	61,6	3,7	22,8	11,9	351	<b>6</b>	54,5	4,0	20,3	21,2	396
5	57,0	3,4	21,1	18,5	379	<b>6—2</b>	60,7	4,5	26,9	7,9	356
<b>6—1</b>	63,7	3,8	28,3	4,1	339	<b>4</b>	56,3	4,1	25,0	14,6	384
3	58,9	3,5	26,2	11,4	367	<b>6</b>	52,4	3,9	24,3	20,4	412
5	54,7	3,3	24,3	17,7	395	<b>7—2</b>	58,1	4,3	30,1	7,5	372
<b>7—1</b>	60,8	3,7	31,6	3,9	355	<b>4</b>	54,0	4,0	28,0	14,0	400
3	56,4	3,4	29,2	11,0	383	<b>6</b>	50,5	3,7	26,2	19,6	428
<b>18—14—1—2</b>	78,8	5,1	5,8	10,2	274	<b>8—2</b>	55,7	4,1	33,0	7,2	388

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>18—18—8—4</b>	51,9	3,8	30,8	13,5	416	<b>18—19—8—1</b>	62,6	5,5	27,8	4,1	345
6	48,7	3,6	28,8	18,9	444	3	57,9	5,1	25,7	11,3	373
10—6	45,4	3,4	33,6	17,6	476	5	53,9	4,7	23,9	17,5	401
<b>18—17—1—1</b>	82,1	6,5	6,1	5,3	203	<b>18—20—1—2</b>	77,1	7,1	5,7	10,0	280
3	74,2	5,8	5,5	14,4	291	4	70,1	6,5	5,2	18,2	308
5	67,7	5,3	5,0	21,9	319	6	64,3	5,9	4,8	25,0	336
2—1	77,4	6,1	11,5	5,0	279	<b>2—2</b>	73,0	6,7	10,8	9,5	296
3	70,4	5,5	10,4	13,7	307	4	66,7	6,1	9,9	17,3	324
5	64,5	5,1	9,5	20,9	335	6	61,4	5,7	9,1	23,8	352
3—1	73,2	5,8	16,3	4,7	295	<b>3—2</b>	69,2	6,4	15,4	9,0	312
3	66,9	5,3	14,8	13,0	323	4	63,5	5,9	14,1	16,5	340
5	61,6	4,8	13,7	19,9	351	6	58,7	5,4	13,0	22,8	368
4—1	69,4	5,5	20,6	4,5	311	<b>4—2</b>	65,9	6,1	19,5	8,5	328
3	63,7	5,0	18,9	12,4	339	4	60,7	5,6	18,0	15,7	356
5	58,9	4,6	17,4	19,1	367	6	56,2	5,2	16,7	21,9	384
5—1	66,0	5,2	24,5	4,3	327	<b>5—2</b>	62,8	5,8	23,3	8,1	344
3	60,8	4,8	22,5	11,8	355	4	58,1	5,4	21,5	15,0	372
5	56,4	4,4	20,9	18,3	383	6	54,0	5,0	20,0	21,0	400
6—1	62,9	5,0	28,0	4,1	343	<b>6—2</b>	60,0	5,6	26,6	7,8	360
3	58,2	4,6	25,9	11,3	371	4	55,7	5,1	24,7	14,4	388
5	54,1	4,3	24,0	17,5	399	6	51,9	4,8	23,1	20,2	416
7—1	60,2	4,7	31,2	3,9	359	<b>7—2</b>	57,4	5,3	29,8	7,4	376
3	55,8	4,4	28,9	10,8	387	4	53,5	4,9	27,7	13,9	404
10—3	49,7	3,9	36,8	9,6	435	6	50,0	4,6	25,9	19,5	432
5	46,6	3,7	34,6	15,1	463	<b>8—2</b>	55,1	5,1	32,7	7,1	392
<b>18—18—1—2</b>	77,7	6,5	5,7	10,1	278	4	51,4	4,8	30,5	13,3	420
4	70,6	5,9	5,2	18,3	306	6	48,2	4,5	28,6	18,6	448
6	64,7	5,4	4,8	25,1	334	<b>10—2</b>	50,9	4,7	37,8	6,6	424
2—2	73,5	6,1	10,9	9,5	294	6	45,0	4,2	33,3	17,5	480
4	67,1	5,6	9,9	17,4	322	<b>12—2</b>	47,4	4,4	42,1	6,1	456
6	61,7	5,1	9,1	24,0	350	<b>18—21—1—1</b>	80,9	7,9	6,0	5,2	267
3—2	69,7	5,8	15,5	9,0	310	3	73,2	7,1	5,4	14,2	295
4	63,9	5,3	14,2	16,6	338	5	66,9	6,5	4,9	21,7	323
6	59,0	4,9	13,1	22,9	366	<b>2—1</b>	76,3	7,4	11,3	4,9	283
4—2	66,3	5,5	19,6	8,6	326	3	69,4	6,8	10,3	13,5	311
4	61,0	5,1	18,1	15,8	354	5	63,7	6,2	9,4	20,6	339
6	56,6	4,7	16,7	22,0	382	<b>3—1</b>	72,2	7,0	16,0	4,7	299
5—2	63,1	5,3	23,4	8,2	342	3	66,1	6,4	14,7	12,8	327
4	58,4	4,9	21,6	15,1	370	5	60,9	5,9	13,5	19,7	355
6	54,3	4,5	20,1	21,1	398	<b>4—1</b>	68,6	6,7	20,3	4,4	315
6—2	60,3	5,0	26,8	7,8	358	3	63,0	6,1	18,6	12,2	343
4	55,9	4,7	24,9	14,5	386	5	58,2	5,6	17,2	18,9	371
6	52,2	4,3	23,2	20,3	414	<b>5—1</b>	65,3	6,3	24,2	4,2	331
8—4	51,7	4,3	30,6	13,4	418	3	60,2	5,8	22,3	11,7	359
<b>18—19—1—1</b>	81,5	7,2	6,0	5,3	265	5	55,8	5,4	20,7	18,1	387
3	73,7	6,5	5,5	14,3	293	<b>6—1</b>	62,3	6,0	27,7	4,0	347
5	67,3	5,9	5,0	21,8	321	3	57,6	5,5	25,6	11,2	375
2—1	76,8	6,8	11,4	5,0	281	5	53,6	5,2	23,8	17,4	403
3	70,0	6,1	10,3	13,6	309	<b>7—3</b>	55,2	5,4	28,6	10,7	391
5	64,1	5,6	9,5	20,8	337	<b>38—11</b>	21,6	2,1	60,9	15,4	999
3—1	72,7	6,4	16,2	4,7	297	7	76,6	7,8	5,7	9,9	282
3	66,5	5,8	14,8	12,9	325	4	69,7	7,1	5,1	18,1	310
5	61,2	5,4	13,6	19,8	353	6	63,9	6,5	4,7	24,8	338
4—1	69,0	6,1	20,4	4,5	313	<b>2—2</b>	72,5	7,4	10,7	9,4	298
3	63,3	5,6	18,8	12,3	341	4	66,3	6,7	9,8	17,2	326
5	58,5	5,1	17,3	19,0	369	6	61,0	6,2	9,0	23,7	354
5—1	55,7	5,8	24,3	4,2	329	<b>3—2</b>	68,8	7,0	15,3	8,9	314
3	60,5	5,3	22,4	11,8	357	4	63,2	6,4	14,0	16,4	342
5	56,1	4,9	20,8	18,2	385	6	58,4	5,9	13,0	22,7	370

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>18—22—4—2</b>	65,5	6,6	19,4	8,5	330	<b>18—25—5—3</b>	59,5	6,9	22,0	11,6	363
<b>4</b>	60,3	6,1	17,9	15,6	358	<b>5</b>	55,2	6,4	20,5	17,9	391
<b>6</b>	55,9	5,7	16,6	21,7	386	<b>6—1</b>	61,6	7,1	27,3	4,0	351
<b>5—2</b>	62,4	6,4	23,1	8,1	346	<b>18—26—1—2</b>	75,5	9,1	5,6	9,8	286
<b>4</b>	57,7	5,9	21,4	15,0	374	<b>4</b>	68,8	8,3	5,1	17,8	314
<b>6</b>	53,7	5,5	19,9	20,9	402	<b>6</b>	63,2	7,6	4,7	24,5	342
<b>2—2</b>	59,7	6,1	26,5	7,7	362	<b>2—2</b>	71,5	8,6	10,6	9,3	302
<b>4</b>	55,4	5,6	24,6	14,4	390	<b>4</b>	65,5	7,9	9,7	16,9	330
<b>6</b>	51,7	5,3	22,8	20,1	418	<b>6</b>	60,3	7,3	8,9	23,5	358
<b>8—2</b>	54,8	5,6	32,5	7,1	394	<b>3—2</b>	67,9	8,2	15,1	8,8	318
<b>18—23—1—1</b>	80,3	8,6	5,9	5,2	269	<b>4</b>	62,4	7,5	13,9	16,2	346
<b>3</b>	72,7	7,7	5,4	14,1	297	<b>6</b>	57,8	6,9	12,9	22,4	374
<b>5</b>	66,5	7,1	4,9	21,5	325	<b>4—2</b>	64,7	7,8	19,1	8,4	334
<b>2—1</b>	75,8	8,1	11,2	4,9	285	<b>4</b>	59,7	7,2	17,7	15,4	362
<b>3</b>	69,0	7,3	10,2	13,4	313	<b>6</b>	55,4	6,7	16,4	21,5	390
<b>5</b>	63,4	6,7	9,4	20,5	341	<b>8—2</b>	54,2	6,6	32,2	7,0	398
<b>3—1</b>	71,8	7,6	16,0	4,6	301	<b>18—27—1—1</b>	79,1	9,9	5,9	5,1	273
<b>3</b>	65,6	7,0	14,6	12,8	329	<b>3</b>	71,7	9,0	5,3	13,9	301
<b>5</b>	60,5	6,4	13,4	19,6	357	<b>5</b>	65,7	8,2	4,8	21,3	329
<b>4—1</b>	68,2	7,2	20,2	4,4	317	<b>2—1</b>	74,7	9,3	11,1	4,8	289
<b>3</b>	62,6	6,6	18,6	12,2	345	<b>3</b>	68,1	8,5	10,1	13,2	317
<b>5</b>	57,9	6,1	17,2	18,8	373	<b>5</b>	62,6	7,8	9,3	20,3	345
<b>5—1</b>	64,9	6,9	24,0	4,2	333	<b>3—1</b>	70,8	8,8	15,7	4,6	305
<b>3</b>	59,8	6,4	22,2	11,6	361	<b>3</b>	64,9	8,1	14,4	12,6	333
<b>5</b>	55,5	5,9	20,6	18,0	389	<b>5</b>	59,8	7,4	13,4	19,4	361
<b>6—1</b>	61,9	6,6	27,5	4,0	349	<b>4—1</b>	67,3	8,4	19,9	4,4	321
<b>7—1</b>	59,2	6,3	30,7	3,8	365	<b>3</b>	61,9	7,7	18,3	12,0	349
<b>18—24—1—2</b>	76,1	8,4	5,6	9,9	284	<b>5</b>	57,3	7,1	17,0	18,6	377
<b>4</b>	69,2	7,7	5,1	18,0	312	<b>14—1</b>	44,9	5,6	46,6	2,9	481
<b>6</b>	63,5	7,0	4,7	24,7	340	<b>18—28—1—2</b>	75,0	9,7	5,5	9,7	288
<b>2—2</b>	72,0	8,0	10,7	9,3	300	<b>4</b>	68,3	8,9	5,1	17,7	316
<b>4</b>	65,8	7,3	9,7	17,1	328	<b>6</b>	62,8	8,1	4,6	24,4	344
<b>6</b>	60,7	6,7	9,0	23,6	356	<b>2—2</b>	71,1	9,2	10,5	9,2	304
<b>3—2</b>	68,4	7,6	15,2	8,8	316	<b>4</b>	65,1	8,4	9,6	16,9	332
<b>4</b>	62,8	7,0	13,9	16,3	344	<b>6</b>	60,0	7,8	8,9	23,3	360
<b>6</b>	58,1	6,4	12,9	22,6	372	<b>3—2</b>	67,5	8,7	15,0	8,7	320
<b>4—2</b>	65,0	7,2	19,3	8,4	332	<b>4</b>	62,1	8,0	13,8	16,1	348
<b>4</b>	60,0	6,7	17,8	15,5	360	<b>6</b>	57,4	7,4	12,8	22,3	376
<b>6</b>	55,7	6,2	16,5	21,6	388	<b>4—2</b>	64,3	8,3	19,1	8,3	336
<b>5—2</b>	62,1	6,9	23,0	8,0	348	<b>4</b>	59,3	7,7	17,6	15,4	364
<b>4</b>	57,4	6,4	21,3	14,9	376	<b>6</b>	55,1	7,1	16,3	21,4	392
<b>6</b>	53,5	5,9	19,8	20,8	404	<b>8—2</b>	54,0	7,0	32,0	7,0	400
<b>6—2</b>	59,3	6,6	26,4	7,7	364	<b>4</b>	50,5	6,5	29,9	13,1	428
<b>4</b>	55,1	6,1	24,5	14,3	392	<b>10—2</b>	50,0	6,5	37,0	6,5	432
<b>6</b>	51,4	5,7	22,8	20,0	420	<b>18—29—1—1</b>	78,5	10,5	5,8	5,1	275
<b>8—2</b>	54,5	6,1	32,3	7,1	396	<b>3</b>	71,3	9,6	5,2	13,8	303
<b>18—25—1—1</b>	79,7	9,2	5,9	5,2	271	<b>5</b>	65,3	8,7	4,8	21,1	331
<b>3</b>	72,2	8,4	5,3	14,0	299	<b>2—1</b>	74,2	9,9	11,0	4,8	291
<b>5</b>	66,1	7,6	4,9	21,4	327	<b>3</b>	67,7	9,1	10,0	13,2	319
<b>2—1</b>	75,3	8,7	11,1	4,9	287	<b>5</b>	62,2	8,4	9,2	20,2	347
<b>3</b>	68,6	7,9	10,2	13,3	315	<b>3—1</b>	70,3	9,4	15,6	4,6	307
<b>5</b>	63,0	7,3	9,3	20,4	343	<b>3</b>	64,5	8,7	14,3	12,5	335
<b>3—1</b>	71,3	8,2	15,8	4,6	303	<b>5</b>	59,5	8,0	13,2	19,3	363
<b>3</b>	65,3	7,5	14,5	12,7	331	<b>4—1</b>	66,9	9,0	19,8	4,3	323
<b>5</b>	60,2	6,9	13,4	19,5	359	<b>3</b>	61,6	8,3	18,2	11,9	351
<b>4—1</b>	67,7	7,8	20,1	4,4	319	<b>5</b>	57,0	7,6	16,9	18,5	379
<b>3</b>	62,2	7,2	18,4	12,1	347	<b>4</b>	67,9	9,4	5,0	17,6	318
<b>5</b>	57,6	6,6	17,1	18,7	375	<b>6</b>	62,4	8,7	4,6	24,3	346
<b>5—1</b>	64,5	7,4	23,9	4,2	335						

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>18—30—2—2</b>	70,6	9,8	10,4	9,1	306	<b>18—34—3—6</b>	56,6	8,9	12,5	22,0	382
<b>4</b>	64,7	9,0	9,6	16,7	334	<b>4—2</b>	63,2	9,9	8,2	18,7	342
<b>6</b>	59,7	8,3	8,8	23,2	362	<b>4</b>	58,4	9,2	17,3	15,1	370
<b>3—2</b>	67,1	9,3	14,9	8,7	322	<b>8</b>	54,3	8,5	16,1	21,1	398
<b>4</b>	61,7	8,6	13,7	16,0	350	<b>18—35—1—1</b>	76,8	12,4	5,7	5,0	281
<b>6</b>	57,1	7,9	12,7	22,2	378	<b>3</b>	69,9	11,3	5,2	13,6	309
<b>4—2</b>	63,9	8,9	18,9	8,3	338	<b>5</b>	64,1	10,4	4,7	20,8	337
<b>4</b>	59,0	8,2	17,5	15,3	366	<b>2—1</b>	72,7	11,8	10,8	4,7	297
<b>6</b>	54,8	7,6	16,2	21,3	394	<b>3</b>	66,5	10,8	9,8	12,9	325
<b>12—2</b>	46,4	6,4	41,2	6,0	466	<b>5</b>	61,1	9,9	9,1	19,8	353
<b>18—31—1—1</b>	78,0	11,2	5,8	5,0	277	<b>3—1</b>	69,0	11,2	15,3	4,4	313
<b>3</b>	70,8	10,2	5,2	13,8	305	<b>3</b>	63,3	10,3	14,1	12,3	341
<b>5</b>	64,9	9,3	4,8	21,0	333	<b>5</b>	58,5	9,5	13,0	19,0	369
<b>2—1</b>	73,7	10,6	10,9	4,8	293	<b>4—1</b>	65,7	10,6	19,5	4,2	329
<b>3</b>	67,3	9,6	17,0	13,1	321	<b>3</b>	60,5	9,8	17,9	11,8	357
<b>5</b>	62,0	8,9	9,1	20,0	349	<b>5</b>	56,1	9,1	16,6	18,2	385
<b>3—1</b>	69,9	10,0	15,5	4,5	309	<b>18—36—1—2</b>	73,0	12,2	5,4	9,4	296
<b>3</b>	64,1	9,2	14,2	12,5	337	<b>4</b>	66,7	11,1	4,9	17,3	324
<b>5</b>	59,2	8,5	13,1	19,2	365	<b>6</b>	61,4	10,2	4,5	23,9	352
<b>4—1</b>	66,4	9,5	19,7	4,3	325	<b>2—2</b>	69,2	11,5	10,3	9,0	312
<b>3</b>	61,2	8,8	18,1	11,9	353	<b>4</b>	63,5	10,6	9,4	16,5	340
<b>5</b>	56,7	8,1	16,8	18,4	381	<b>6</b>	58,7	9,8	8,7	22,5	368
<b>5—1</b>	63,3	9,1	23,5	4,1	341	<b>3—2</b>	65,9	11,0	14,6	8,5	328
<b>3</b>	58,5	8,4	21,7	11,4	369	<b>4</b>	60,7	10,1	13,4	15,7	356
<b>5</b>	54,4	7,8	20,1	17,6	397	<b>6</b>	50,2	9,3	12,5	21,9	384
<b>18—32—1—2</b>	74,0	10,9	5,5	9,6	292	<b>4—2</b>	62,8	10,5	18,6	8,1	344
<b>4</b>	67,5	10,0	5,0	17,5	320	<b>4</b>	58,0	9,7	17,2	15,0	372
<b>6</b>	62,1	9,2	4,6	24,1	348	<b>6</b>	54,0	9,0	16,0	21,0	400
<b>2—2</b>	70,1	10,4	9,1	9,1	308	<b>18—37—1—1</b>	76,3	13,1	5,6	4,9	283
<b>4</b>	64,3	9,5	9,5	16,7	336	<b>3</b>	69,4	11,9	5,1	13,5	311
<b>6</b>	59,3	8,8	8,8	23,1	364	<b>5</b>	63,7	10,9	4,7	20,7	339
<b>3—2</b>	66,7	9,4	14,8	8,6	324	<b>2—1</b>	72,2	12,4	10,7	4,7	299
<b>4</b>	61,4	9,1	13,6	15,9	352	<b>3</b>	66,1	11,3	9,8	12,8	327
<b>6</b>	56,8	8,4	12,6	22,1	380	<b>5</b>	60,8	10,4	9,0	19,7	355
<b>4—2</b>	63,5	9,4	18,8	8,2	340	<b>3—1</b>	68,6	11,7	15,2	4,4	315
<b>4</b>	58,7	8,7	17,4	15,2	368	<b>3</b>	63,0	10,8	14,0	12,2	343
<b>6</b>	54,5	8,1	16,2	21,2	396	<b>5</b>	58,2	10,0	12,9	18,9	371
<b>8—2</b>	53,5	7,9	31,7	6,9	404	<b>18—38—1—2</b>	72,5	12,7	5,4	9,4	268
<b>3</b>	77,4	11,8	5,7	5,0	279	<b>4</b>	66,3	11,6	4,9	17,2	326
<b>3</b>	70,3	10,7	5,2	13,7	307	<b>6</b>	61,0	10,7	4,5	23,7	354
<b>5</b>	64,5	9,8	4,8	20,9	335	<b>2—2</b>	68,8	12,1	10,2	8,9	314
<b>2—1</b>	73,2	11,2	10,8	4,7	295	<b>4</b>	63,2	11,1	9,3	16,4	342
<b>3</b>	66,9	10,2	9,9	13,0	323	<b>6</b>	58,4	10,3	8,6	22,7	370
<b>5</b>	61,6	9,4	9,1	19,9	351	<b>18—40—11—6</b>	40,9	7,6	33,3	18,2	528
<b>3—1</b>	66,4	10,6	15,4	4,5	311	<b>19—10—6—4</b>	58,4	2,6	24,6	14,4	390
<b>3</b>	63,7	9,7	14,2	12,4	339	<b>11—4</b>	48,5	2,1	37,5	11,9	470
<b>5</b>	58,8	9,0	13,1	19,1	367	<b>19—11—1—1</b>	84,7	4,1	5,9	5,2	269
<b>4—1</b>	66,0	10,1	19,6	4,3	327	<b>2—1</b>	80,0	3,9	11,2	4,9	285
<b>3</b>	60,8	9,3	18,0	11,8	355	<b>3—1</b>	75,7	3,7	16,0	4,6	301
<b>5</b>	56,4	8,6	16,7	18,3	383	<b>3</b>	69,3	3,3	14,6	12,8	329
<b>10—3</b>	47,3	7,2	35,0	10,5	457	<b>4—1</b>	71,9	3,5	20,2	4,4	317
<b>2—2</b>	73,5	11,6	5,4	9,5	294	<b>3</b>	66,1	3,2	18,5	12,2	345
<b>4</b>	67,1	10,6	5,0	17,3	322	<b>4</b>	73,1	3,8	5,1	17,9	312
<b>6</b>	61,7	9,7	4,6	24,0	350	<b>2—2</b>	76,0	4,0	10,7	9,3	300
<b>2—2</b>	69,7	11,0	10,3	9,0	310	<b>3—2</b>	72,2	3,8	15,2	8,8	316
<b>4</b>	63,9	10,1	9,5	16,5	338	<b>4—2</b>	68,7	3,6	19,3	8,4	332
<b>6</b>	59,0	9,3	8,7	22,9	366	<b>4</b>	63,3	3,3	17,8	15,6	360
<b>3—2</b>	66,3	10,4	14,7	8,6	326	<b>5—2</b>	65,5	3,4	23,0	8,0	348
<b>4</b>	61,0	9,6	13,6	15,8	354						

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
19-12-5-6	56.4	3.0	19.8	20.8	404	19-15-4-3	65.3	4.3	18.3	12.0	349
6-2	62.6	3.3	26.4	7.7	364	5-1	60.5	4.0	17.0	18.5	377
8-2	57.6	3.0	32.3	7.1	396	3	67.6	4.4	23.7	4.2	337
4	53.8	2.8	30.2	13.2	424	5	62.5	4.1	21.9	11.5	365
9-2	55.3	2.9	34.9	6.8	412	5	58.0	3.9	20.3	17.8	393
10-2	53.3	2.8	37.4	6.5	428	6-1	64.6	4.2	27.2	4.0	353
19-13-1-1	84.1	4.8	5.9	5.2	271	3	59.8	3.9	25.2	11.0	381
3	76.3	4.3	5.4	14.0	229	5	55.8	3.7	23.4	17.1	409
2-1	79.4	4.5	11.1	4.9	287	7-1	61.8	4.1	30.3	3.8	369
3	72.4	4.1	10.2	13.3	315	8-1	59.2	3.9	33.2	3.6	385
5	66.5	3.8	9.3	20.4	343	12-1	50.8	3.3	42.7	3.1	449
3-5	63.5	3.6	13.4	19.5	359	19-16-1-2	79.2	5.5	5.5	9.7	288
4-1	71.5	4.1	20.0	4.4	319	4	72.2	5.0	5.0	17.7	316
5-1	68.0	3.9	23.9	4.2	335	6	56.3	4.6	4.6	24.4	344
3	62.8	3.6	22.0	11.6	363	2-2	75.0	5.3	10.5	9.2	304
5	58.3	3.3	20.5	17.9	391	4	68.7	4.8	9.6	16.9	332
6-1	65.0	3.7	27.3	4.0	351	6	63.3	4.4	8.9	23.3	360
3	60.1	3.4	25.3	11.1	379	3-2	71.2	5.0	15.0	8.7	320
5	56.0	3.2	23.6	17.2	407	4	65.5	4.6	13.8	16.1	348
7-1	62.1	3.5	30.5	3.8	367	6	60.6	4.2	12.8	22.3	376
3	57.7	3.3	28.3	10.6	395	4-2	67.8	4.8	19.1	8.3	336
5	53.9	3.1	26.5	16.5	423	4	62.6	4.4	17.6	15.4	364
8-1	59.5	3.4	33.4	3.6	383	6	58.2	4.1	16.3	21.4	392
3	55.5	3.2	31.1	10.2	411	5-2	64.8	4.5	22.7	7.9	352
5	51.9	3.0	29.1	16.0	430	4	60.0	4.2	21.1	14.7	380
9-1	57.1	3.3	36.1	3.5	399	6	55.9	3.9	19.6	20.6	408
3	53.4	3.0	33.7	9.8	427	6-2	61.9	4.3	26.1	7.6	368
5	50.1	2.9	31.6	15.4	455	4	57.6	4.0	24.2	14.1	396
19-14-1-2	79.7	4.9	5.6	9.8	286	6	53.8	3.8	22.6	19.8	424
4	72.6	4.4	5.1	17.8	314	19-17-1-1	82.9	6.2	5.8	5.1	275
6	66.7	4.1	4.7	24.5	342	3	75.2	5.6	5.3	13.9	303
2-2	75.5	4.6	10.6	9.3	302	5	68.9	5.1	4.8	21.2	331
4	69.1	4.2	9.7	17.0	330	2-1	78.3	5.8	11.0	4.8	291
6	63.7	3.9	8.9	23.5	358	3	71.5	5.3	10.0	13.2	319
3-2	71.7	4.4	15.1	8.8	318	5	65.7	4.0	9.2	20.2	347
4	65.9	4.0	13.9	16.2	346	3-1	74.3	5.5	15.8	4.6	307
6	61.0	3.7	12.8	22.5	374	3	68.1	5.1	14.3	12.5	335
4-2	68.2	4.2	19.2	8.4	334	5	62.8	4.7	13.2	19.3	363
4	63.0	3.9	17.7	15.4	362	4-1	70.6	5.3	19.8	4.3	323
6	58.5	3.6	16.4	21.5	390	3	65.0	4.8	18.2	12.0	351
5-2	65.1	4.0	22.9	8.0	350	5	60.1	4.5	16.9	18.5	379
4	60.3	3.7	21.2	14.8	378	5-1	67.3	5.0	23.6	4.1	339
6	56.1	3.4	19.7	20.7	406	3	62.1	4.6	21.8	11.4	367
6-2	62.3	3.8	26.2	7.6	366	5	57.7	4.3	20.2	17.7	395
4	57.8	3.6	24.4	14.2	394	6-1	64.2	4.8	27.0	3.9	355
6	54.0	3.3	22.7	19.9	422	3	59.5	4.4	25.1	11.0	383
8	50.6	3.1	21.3	25.0	450	5	55.5	4.1	23.4	17.0	411
10	57.7	2.9	20.1	29.3	478	7-1	61.4	4.6	30.2	3.8	371
7-2	59.7	3.7	29.3	7.3	382	3	57.1	4.3	28.1	10.5	399
19-15-1-1	83.5	5.5	5.9	5.1	273	3	53.4	4.0	26.2	16.4	427
3	75.7	5.0	5.3	14.0	301	12-5	45.0	3.4	37.8	13.8	507
5	69.4	4.6	4.8	21.3	329	13-1	48.8	3.6	44.5	3.0	467
2-1	78.9	5.2	11.0	4.8	289	4	71.7	5.7	5.0	17.6	315
3	71.9	4.7	10.1	13.2	317	6	65.9	5.2	4.6	24.3	346
5	66.1	4.3	9.3	20.3	345	2-2	74.5	5.9	10.4	9.1	306
3-1	74.7	4.9	15.7	4.6	305	4	68.2	5.4	9.6	16.8	334
3	68.4	4.5	14.4	12.7	333	6	63.0	5.0	8.8	23.2	362
5	63.1	4.1	13.3	19.4	361	3-2	70.8	5.6	14.9	8.7	322
4-1	71.0	4.7	19.9	4.4	321						

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>19—18—3—4</b>	65.1	5.1	13.7	16.1	350	<b>19—21—4—3</b>	64.2	5.9	18.0	11.8	355
<b>6</b>	60.3	4.8	12.7	22.2	378	<b>5</b>	59.5	5.5	16.7	18.3	383
<b>4—2</b>	67.4	5.3	18.0	8.3	338	<b>5—1</b>	66.5	6.1	23.3	4.1	343
<b>4</b>	62.3	4.9	17.5	15.3	366	<b>3</b>	61.4	5.7	21.6	11.3	371
<b>6</b>	57.9	4.6	16.2	21.3	394	<b>5</b>	57.1	5.3	20.1	17.5	399
<b>5—2</b>	64.4	5.1	22.6	7.9	354	<b>6—1</b>	63.5	5.8	20.7	3.9	359
<b>4</b>	59.7	4.7	20.9	14.7	382	<b>3</b>	58.9	5.4	24.8	10.9	387
<b>6</b>	55.6	4.4	19.5	20.5	410	<b>5</b>	54.9	5.1	23.1	16.9	415
<b>6—2</b>	61.6	4.9	25.0	7.6	370	<b>9—1</b>	56.0	5.2	35.4	3.4	407
<b>7—2</b>	59.1	4.7	29.0	7.2	386	<b>12—1</b>	49.0	4.6	42.2	4.1	455
<b>4</b>	55.1	4.3	27.1	13.5	414	<b>19—22—1—2</b>	77.5	7.5	5.4	9.5	294
<b>10—4</b>	49.3	3.9	34.6	12.1	462	<b>4</b>	70.8	6.8	5.0	17.4	322
<b>11—4</b>	47.7	3.8	36.8	11.7	478	<b>6</b>	65.1	6.3	4.6	24.0	350
<b>19—19—1—1</b>	82.3	6.8	5.8	5.1	277	<b>2—2</b>	73.6	7.1	10.3	9.0	310
<b>3</b>	74.7	6.2	5.2	13.8	305	<b>4</b>	67.4	6.5	9.5	16.6	338
<b>5</b>	68.5	5.7	4.8	21.0	333	<b>6</b>	62.3	6.0	8.7	23.0	366
<b>2—1</b>	77.8	6.5	10.9	4.8	293	<b>3—2</b>	69.9	6.7	14.7	8.6	326
<b>3</b>	71.0	5.9	10.0	13.1	321	<b>4</b>	64.5	6.1	13.6	15.8	354
<b>5</b>	65.3	5.4	9.2	20.1	349	<b>6</b>	59.7	5.7	12.6	22.0	382
<b>3—1</b>	73.8	6.1	15.5	4.5	309	<b>4—2</b>	66.7	6.4	18.7	8.2	342
<b>3</b>	67.6	5.6	14.2	12.5	337	<b>4</b>	61.6	5.9	17.3	15.1	370
<b>5</b>	62.5	5.2	13.1	19.2	365	<b>6</b>	57.3	5.5	16.1	21.1	398
<b>4—1</b>	70.2	5.8	19.7	4.3	325	<b>5—2</b>	63.7	6.1	22.4	7.8	358
<b>3</b>	64.6	5.4	18.1	11.9	353	<b>4</b>	59.1	5.7	20.7	14.5	386
<b>5</b>	59.8	5.0	16.8	18.4	381	<b>6</b>	55.1	5.3	19.3	20.3	414
<b>5—1</b>	66.9	5.5	23.5	4.1	341	<b>6—2</b>	61.0	5.9	25.6	7.5	374
<b>3</b>	61.8	5.1	21.7	11.4	369	<b>7—4</b>	54.5	5.3	26.8	13.4	418
<b>5</b>	57.4	4.8	20.2	17.6	397	<b>19—23—1—1</b>	81.1	8.2	5.7	5.0	281
<b>6—1</b>	63.9	5.3	26.9	3.9	357	<b>3</b>	73.8	7.4	5.2	13.6	309
<b>8—3</b>	54.7	4.5	30.7	10.1	417	<b>5</b>	67.6	6.8	4.8	20.8	337
<b>19—20—1—2</b>	78.0	6.8	5.5	9.6	292	<b>2—1</b>	76.8	7.7	10.8	4.6	297
<b>4</b>	71.3	6.2	5.0	17.5	320	<b>3</b>	70.2	7.1	9.8	12.9	325
<b>6</b>	65.5	5.7	4.6	24.1	348	<b>5</b>	64.6	6.5	9.1	19.8	353
<b>2—2</b>	74.0	6.5	10.4	9.1	308	<b>3—1</b>	72.9	7.3	15.3	4.5	313
<b>4</b>	67.8	6.0	9.5	16.7	336	<b>3</b>	66.9	6.7	14.1	12.3	341
<b>6</b>	62.6	5.5	8.8	23.1	364	<b>5</b>	61.8	6.2	13.0	19.0	369
<b>3—2</b>	70.4	6.2	14.8	8.6	324	<b>4—1</b>	69.3	7.0	19.4	4.2	329
<b>4</b>	64.8	5.7	13.6	15.9	352	<b>3</b>	63.9	6.4	17.9	11.8	357
<b>6</b>	60.0	5.3	12.6	22.1	380	<b>5—1</b>	66.1	6.7	23.2	4.0	345
<b>4—2</b>	67.1	5.9	18.8	8.2	340	<b>7—1</b>	60.5	6.1	29.7	3.7	377
<b>4</b>	62.0	5.4	17.4	15.2	368	<b>8—1</b>	58.0	5.8	32.6	3.6	393
<b>6</b>	57.6	5.0	16.2	21.2	396	<b>19—24—1—2</b>	76.9	8.1	5.4	9.5	296
<b>8</b>	53.8	4.7	15.1	26.4	424	<b>4</b>	70.4	7.4	4.9	17.3	324
<b>5—2</b>	64.0	5.6	22.5	7.9	356	<b>6</b>	64.8	6.8	4.5	23.9	352
<b>4</b>	59.4	5.2	20.8	14.6	384	<b>2—2</b>	73.1	7.7	10.2	9.0	312
<b>6</b>	55.4	4.8	19.4	20.4	412	<b>4</b>	67.0	7.1	9.4	16.5	340
<b>6—2</b>	61.3	5.4	25.8	7.5	372	<b>6</b>	62.0	6.5	8.7	22.8	368
<b>7—2</b>	58.7	5.2	28.9	7.2	388	<b>3—2</b>	69.5	7.3	14.6	8.5	328
<b>9—6</b>	47.9	4.2	30.2	17.6	476	<b>4</b>	64.0	6.7	13.5	15.8	356
<b>19—21—1—1</b>	81.7	7.5	5.7	5.0	279	<b>6</b>	59.4	6.2	12.5	21.9	384
<b>3</b>	74.3	6.8	5.2	13.7	307	<b>4—2</b>	66.3	7.0	18.6	8.1	344
<b>5</b>	68.1	6.2	4.8	20.9	335	<b>4</b>	61.3	6.5	17.2	15.0	372
<b>2—1</b>	77.3	7.1	10.8	4.7	295	<b>6</b>	57.0	6.0	16.0	21.0	400
<b>3</b>	70.6	6.5	9.9	13.0	323	<b>5—2</b>	63.3	6.7	22.2	7.8	366
<b>5</b>	65.0	6.0	9.1	19.9	351	<b>4</b>	58.8	6.2	20.6	14.4	388
<b>3—1</b>	73.3	6.7	15.4	4.5	311	<b>6</b>	54.8	5.8	19.2	20.2	416
<b>3</b>	67.3	6.2	14.1	12.4	339	<b>7—2</b>	58.2	6.1	28.6	7.1	392
<b>5</b>	62.1	5.7	13.1	19.1	367	<b>4</b>	54.3	5.7	26.7	13.3	420
<b>4—1</b>	69.7	6.4	19.6	4.3	327	<b>8—2</b>	55.9	5.9	31.4	6.8	408

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>19-25-1-1</b>	80.6	8.8	5.7	4.9	283	<b>19-30-2-4</b>	65.9	8.7	9.2	16.2	346
3	73.3	8.0	5.1	13.5	311	6	61.0	8.0	8.6	22.4	374
5	67.3	7.4	4.7	20.6	339	3-2	68.3	9.0	14.3	8.4	334
<b>2-1</b>	76.2	8.4	10.7	4.7	299	4	63.0	8.3	13.3	15.4	362
3	69.7	7.6	9.8	12.8	327	6	58.4	7.7	12.3	21.6	390
5	64.2	7.0	9.0	19.7	355	<b>10-2</b>	51.1	6.7	35.9	6.3	446
3-1	72.4	7.9	15.2	4.4	315	<b>19-31-1-1</b>	78.9	10.7	5.5	4.8	289
3	66.5	7.3	14.0	12.2	343	3	71.9	9.8	5.0	13.3	317
5	61.4	6.7	12.9	18.9	371	5	66.1	9.0	4.6	20.3	345
<b>4-1</b>	68.9	7.6	19.3	4.2	331	<b>2-1</b>	74.7	10.2	10.5	4.6	305
3	63.5	7.0	17.8	11.7	359	3	68.5	9.3	9.6	12.6	333
5	58.9	6.5	16.5	18.1	387	5	63.1	8.6	8.9	19.4	361
<b>5-3</b>	60.8	6.7	21.3	11.2	375	<b>3-1</b>	71.0	9.7	14.9	4.4	321
<b>6-3</b>	58.3	6.4	24.6	10.7	391	3	65.3	8.9	13.8	12.0	349
<b>19-26-1-2</b>	76.5	8.7	5.4	9.3	298	5	60.5	8.2	12.7	18.6	377
4	69.9	8.0	4.9	17.2	326	<b>4-1</b>	67.6	9.2	19.0	4.1	337
6	64.4	7.3	4.5	23.7	354	5-1	64.5	8.8	22.7	4.0	353
<b>2-2</b>	72.6	8.3	10.2	8.9	314	<b>19-32-1-2</b>	75.0	10.5	5.3	9.2	304
4	66.7	7.6	9.3	16.4	342	4	68.7	9.6	4.8	16.9	332
6	61.6	7.0	8.6	22.7	370	6	63.3	8.9	4.4	23.3	360
<b>3-2</b>	60.1	7.9	14.5	8.5	330	<b>2-2</b>	71.2	10.0	10.0	8.7	320
4	63.7	7.3	13.4	15.6	358	4	65.5	9.2	9.2	16.1	348
6	59.1	6.7	12.4	21.7	386	-6	60.6	8.5	8.5	22.3	376
<b>10-4</b>	48.5	5.5	34.0	11.9	470	<b>3-2</b>	67.8	9.5	14.3	8.3	336
<b>12-2</b>	48.1	5.5	40.5	5.9	474	4	62.6	8.8	13.2	15.4	364
<b>19-27-1-1</b>	80.0	9.5	5.6	4.9	285	6	58.2	8.2	12.2	21.4	392
3	72.9	8.6	5.1	13.4	313	<b>19-33-1-1</b>	78.3	11.3	5.5	4.8	291
5	66.0	7.9	4.7	20.5	341	3	71.5	10.3	5.0	13.2	319
<b>2-1</b>	75.7	9.0	10.6	4.7	301	5	65.7	9.5	4.6	20.2	347
3	69.3	8.2	9.7	12.8	329	<b>2-1</b>	74.2	10.7	10.4	4.6	307
5	63.9	7.5	9.0	19.6	357	3	68.1	9.8	9.6	12.5	335
<b>3-1</b>	71.9	8.5	15.1	4.4	317	5	62.8	9.1	8.8	19.3	363
3	66.1	7.8	13.9	12.2	345	<b>3-1</b>	70.6	10.2	14.9	4.3	323
5	61.1	7.2	12.9	18.8	373	3	65.0	9.4	13.7	11.9	351
<b>4-1</b>	68.5	8.1	19.2	4.2	333	5	60.1	8.7	12.7	18.5	379
5-1	65.3	7.7	22.9	4.0	349	<b>19-34-1-2</b>	74.5	11.1	5.2	9.1	306
<b>19-28-1-2</b>	76.0	9.3	5.3	9.3	300	4	68.2	10.2	4.8	16.8	334
4	69.5	8.5	4.9	17.1	328	6	62.9	9.4	4.4	23.2	362
6	64.0	7.8	4.5	23.6	356	<b>2-2</b>	70.8	20.5	9.9	8.7	322
<b>2-2</b>	72.1	8.9	10.1	8.9	316	4	65.1	9.7	9.1	16.0	350
4	66.3	8.1	9.3	16.3	344	6	60.3	9.0	8.5	22.2	378
6	61.3	7.5	8.6	22.6	372	<b>3-2</b>	67.4	10.1	14.2	8.3	338
<b>3-2</b>	68.7	8.4	14.5	8.4	332	4	62.3	9.3	13.1	15.3	366
4	63.3	7.8	13.3	15.6	360	6	57.9	8.6	12.2	21.3	394
6	58.8	7.2	12.4	21.6	388	<b>19-35-1-1</b>	77.8	12.0	5.4	4.8	293
<b>19-29-1-1</b>	79.4	10.1	5.6	4.9	287	3	71.0	10.9	5.0	13.1	321
3	72.4	9.2	5.1	13.3	315	5	65.3	10.0	4.6	20.1	349
5	66.5	8.4	4.7	20.4	343	<b>2-1</b>	73.8	11.3	10.4	4.5	309
<b>2-1</b>	75.2	9.6	10.6	4.6	303	3	67.6	10.4	9.5	12.5	337
3	68.9	8.8	9.6	12.7	331	5	62.5	9.6	8.7	19.2	365
5	63.5	8.1	8.9	19.5	359	<b>3-1</b>	70.1	10.8	14.8	4.3	325
<b>3-1</b>	71.5	9.1	15.0	4.4	319	3	64.6	9.9	13.6	11.9	353
3	65.7	8.4	13.8	12.1	347	<b>19-36-1-2</b>	74.0	11.7	5.2	9.1	308
5	60.8	7.7	12.8	18.7	375	4	67.8	10.7	4.8	16.7	336
<b>4-1</b>	68.1	8.6	19.1	4.2	335	6	62.6	9.9	4.4	23.1	364
<b>19-30-1-2</b>	75.5	9.9	5.3	9.2	302	<b>2-2</b>	70.4	11.1	9.9	8.6	324
4	69.1	9.1	4.8	17.0	330	4	64.8	10.2	9.1	15.9	352
6	63.7	8.4	4.5	23.4	358	6	60.0	9.5	8.4	22.1	380
<b>2-2</b>	71.7	9.4	10.1	8.8	318	<b>3-2</b>	67.1	10.6	14.1	8.2	340

C—H—O—N	C %	H %	O %	N %	M.G.	C—H—O—N	C %	H %	O %	N %	M.G.
<b>19—36—3—4</b>	62,0	9,8	13,0	15,2	368	<b>20—10—9—6</b>	50,2	2,1	30,1	17,6	478
<b>6</b>	57,6	9,1	12,1	21,2	396	<b>20—10—10—2</b>	54,8	2,3	36,5	6,4	438
<b>19—37—1—1</b>	77,3	12,5	5,4	4,7	295	<b>4</b>	51,5	2,1	34,3	12,0	466
<b>3</b>	70,6	11,5	4,9	13,0	323	<b>6</b>	48,6	2,0	32,4	17,0	494
<b>5</b>	65,0	10,5	4,6	19,9	351	<b>12—4</b>	48,2	2,0	38,5	11,2	498
<b>2—1</b>	73,3	11,9	10,3	4,5	311	<b>20—11—2—3</b>	73,8	3,4	9,8	12,9	325
<b>3</b>	67,3	10,9	9,4	12,4	339	<b>3—1</b>	76,7	3,5	15,3	4,5	313
<b>5</b>	62,1	10,1	8,7	19,1	367	<b>8—3</b>	57,0	2,6	30,4	10,0	421
<b>3—1</b>	69,7	11,3	14,7	4,3	327	<b>5</b>	53,4	2,4	28,5	15,6	449
<b>3</b>	64,2	10,4	13,5	11,8	355	<b>10—3</b>	53,0	2,4	35,3	9,3	506
<b>5</b>	59,5	9,7	12,5	18,3	383	<b>20—12—1—2</b>	81,1	4,1	5,4	9,4	296
<b>19—38—1—2</b>	73,6	12,2	5,2	9,0	310	<b>2—2</b>	76,9	3,8	10,3	9,0	312
<b>4</b>	67,5	11,2	4,7	16,6	338	<b>3—2</b>	73,2	3,7	14,6	8,5	328
<b>6</b>	62,3	10,4	4,4	22,9	366	<b>4—2</b>	69,7	3,5	18,6	8,1	344
<b>2—2</b>	69,9	11,6	9,8	8,6	326	<b>4</b>	64,5	3,2	17,2	15,1	372
<b>4</b>	64,4	10,7	9,0	15,8	354	<b>5—2</b>	66,7	3,3	22,2	7,8	360
<b>6</b>	59,7	9,9	8,4	22,0	382	<b>4</b>	61,8	3,1	20,6	14,4	388
<b>3—2</b>	66,7	11,1	14,0	8,2	342	<b>6</b>	57,7	2,9	19,2	20,2	416
<b>4</b>	61,6	10,3	13,0	15,1	370	<b>6—2</b>	63,8	3,2	25,5	7,4	376
<b>6</b>	57,3	9,5	12,1	21,1	398	<b>4</b>	59,4	3,0	23,8	13,8	404
<b>19—39—1—1</b>	76,8	13,1	5,4	4,7	297	<b>6</b>	55,6	2,8	22,2	19,4	432
<b>3</b>	70,2	12,0	4,9	12,9	325	<b>7—2</b>	61,2	3,1	28,6	7,1	392
<b>5</b>	64,6	11,0	4,5	19,8	353	<b>4</b>	57,1	2,9	26,7	13,3	420
<b>2—1</b>	72,9	12,4	10,2	4,5	313	<b>6</b>	53,6	2,7	25,0	18,7	448
<b>3</b>	66,9	11,4	9,4	12,3	341	<b>8—2</b>	58,8	2,9	31,4	6,9	408
<b>5</b>	61,8	10,6	8,7	18,9	369	<b>4</b>	55,0	2,8	29,3	12,8	436
<b>19—40—1—2</b>	73,1	12,8	5,1	9,0	312	<b>6</b>	51,7	2,6	27,6	18,1	464
<b>4</b>	67,0	11,8	4,7	16,5	340	<b>9—2</b>	56,6	2,8	34,0	6,6	424
<b>6</b>	62,0	10,9	4,3	22,8	368	<b>4</b>	53,1	2,6	31,8	12,4	452
<b>2—2</b>	69,5	12,2	9,8	8,5	328	<b>6</b>	50,0	2,5	30,0	17,5	480
<b>4</b>	64,0	11,2	9,0	15,7	356	<b>10—2</b>	54,5	2,7	36,4	6,4	440
<b>6</b>	59,4	10,4	8,3	21,9	384	<b>4</b>	51,3	2,6	34,2	11,9	468
<b>20—7—13—5</b>	45,7	1,3	39,6	13,3	525	<b>6</b>	48,4	2,4	32,3	16,9	496
<b>20—8—2—4</b>	71,4	2,4	9,5	16,7	336	<b>12—4</b>	48,0	2,4	38,4	11,2	500
<b>6—2</b>	64,5	2,1	25,8	7,5	372	<b>20—13—1—1</b>	84,8	4,6	5,6	4,9	283
<b>9—4</b>	53,6	1,8	32,1	12,5	448	<b>2—1</b>	80,3	4,3	10,7	4,7	299
<b>13—4</b>	46,9	1,6	40,6	10,9	512	<b>3</b>	73,4	4,0	9,8	12,8	327
<b>6</b>	44,4	1,5	38,5	15,6	540	<b>3—1</b>	76,2	4,1	15,2	4,4	315
<b>14—4</b>	45,5	1,5	42,4	10,6	528	<b>4—1</b>	72,5	3,9	19,3	4,2	331
<b>20—9—9—3</b>	55,2	2,1	33,1	10,6	435	<b>3</b>	66,9	3,6	17,8	11,7	359
<b>5</b>	51,8	1,9	31,2	15,1	463	<b>5</b>	62,0	3,4	16,5	18,1	387
<b>12—7</b>	44,5	1,7	35,6	18,2	539	<b>5—1</b>	60,2	3,7	23,1	4,0	347
<b>20—10—4—2</b>	70,2	2,9	18,7	8,2	342	<b>3</b>	64,0	3,5	21,3	11,2	375
<b>4</b>	64,9	2,7	17,3	15,1	370	<b>5</b>	59,5	3,2	19,8	17,4	403
<b>6</b>	60,3	2,5	16,1	21,1	398	<b>6—1</b>	66,1	3,6	26,4	3,9	363
<b>5—2</b>	67,0	2,8	22,3	7,8	358	<b>3</b>	61,4	3,3	24,5	10,7	391
<b>4—2</b>	62,2	2,6	20,7	14,5	386	<b>5</b>	57,3	3,1	22,9	16,7	419
<b>6</b>	58,0	2,4	19,3	20,3	414	<b>7—1</b>	63,3	3,4	29,5	3,7	379
<b>6—2</b>	64,2	2,7	25,6	7,5	374	<b>3</b>	59,0	3,2	27,5	10,3	407
<b>4</b>	59,7	2,5	23,9	13,9	402	<b>5</b>	55,2	3,0	25,7	16,1	435
<b>6</b>	55,8	2,3	22,3	19,5	430	<b>7</b>	51,8	2,8	24,2	21,2	463
<b>7—2</b>	61,5	2,6	28,7	7,2	390	<b>8—1</b>	60,7	3,3	32,4	3,6	395
<b>4</b>	57,4	2,4	26,8	13,4	418	<b>3</b>	56,7	3,1	30,3	9,9	423
<b>6</b>	53,8	2,2	25,1	18,8	446	<b>5</b>	53,2	2,9	28,4	15,5	451
<b>8—2</b>	59,1	2,5	31,5	6,9	406	<b>20—14—1—2</b>	80,5	4,7	5,4	9,4	298
<b>4</b>	55,3	2,3	29,5	12,9	434	<b>4</b>	73,6	4,3	4,9	17,2	326
<b>6</b>	51,9	2,2	27,7	18,2	462	<b>6</b>	67,8	4,0	4,5	23,7	354
<b>9—2</b>	56,9	2,4	34,1	6,6	422	<b>2—2</b>	76,4	4,5	10,2	8,9	314
<b>4</b>	53,3	2,2	32,0	12,4	450	<b>4</b>	70,2	4,1	9,3	16,4	342

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>20-14-2-6</b>	64.8	3.8	8.6	22.7	370	<b>20-16-7-4</b>	56.6	3.8	26.4	13.2	424
3-2	72.7	4.2	14.5	8.5	330	6	53.1	3.5	24.8	18.6	452
4	67.0	3.9	13.4	15.6	358	<b>8-2</b>	58.2	3.9	31.1	6.8	412
6	62.2	3.6	12.4	21.8	386	4	54.5	3.6	29.1	12.7	440
<b>4-2</b>	69.4	4.0	18.5	8.1	346	6	51.3	3.4	27.3	18.0	468
4	64.2	3.7	17.1	15.0	374	<b>9-4</b>	52.6	3.5	31.6	12.3	456
6	59.7	3.5	15.9	20.9	402	<b>10-4</b>	50.8	3.4	33.9	11.9	472
<b>5-2</b>	66.3	3.9	22.1	7.7	362	<b>20-17-1-1</b>	83.6	5.9	5.6	4.9	287
4	61.5	3.6	20.5	14.4	390	3	76.2	5.4	5.1	13.3	315
6	57.4	3.3	19.1	20.1	418	5	70.0	4.9	4.7	20.4	343
<b>6-2</b>	63.5	3.7	25.4	7.4	378	<b>2-1</b>	79.2	5.6	10.6	4.6	303
4	59.1	3.4	23.6	13.8	406	3	72.5	5.1	9.7	12.7	331
6	55.3	3.2	22.1	19.3	434	5	66.9	4.7	8.9	19.5	359
<b>7-2</b>	60.9	3.6	28.4	7.1	394	<b>3-1</b>	75.2	5.3	15.0	4.4	319
4	56.9	3.3	26.5	13.3	422	3	69.2	4.9	13.8	12.1	347
6	53.3	3.1	24.9	18.7	450	5	64.0	4.5	12.8	18.7	375
<b>8-2</b>	58.5	3.4	31.2	6.8	410	<b>4-1</b>	71.6	5.1	19.1	4.2	335
4	54.8	3.2	29.2	12.8	438	3	66.1	4.7	17.6	11.6	363
6	51.5	3.0	27.5	18.0	466	5	61.4	4.3	16.4	17.9	391
<b>20-15-1-1</b>	84.2	5.3	5.6	4.9	285	<b>5-1</b>	68.4	4.8	22.8	4.0	351
3	76.7	4.8	5.1	13.4	313	3	63.3	4.5	21.1	11.1	379
5	70.4	4.4	4.7	20.5	341	5	59.0	4.2	19.6	17.2	407
<b>2-1</b>	79.7	5.0	10.6	4.6	301	<b>6-1</b>	65.4	4.6	26.2	3.8	367
3	73.0	4.5	9.7	12.8	329	3	60.7	4.3	24.3	10.6	395
5	67.2	4.2	9.0	19.6	357	5	56.7	4.0	22.7	16.5	423
<b>3-1</b>	75.7	4.7	15.1	4.4	317	<b>7-1</b>	62.7	4.4	29.2	3.7	383
3	69.6	4.3	13.9	12.2	345	3	58.4	4.1	27.2	10.2	411
5	64.3	4.0	12.9	18.8	373	<b>8-1</b>	60.2	4.3	32.0	3.5	399
<b>4-1</b>	72.1	4.5	19.2	4.2	333	<b>20-18-1-2</b>	79.5	5.9	5.3	9.3	302
3	66.5	4.1	17.7	11.6	361	4	72.7	5.4	4.8	17.0	330
5	61.6	3.9	16.4	18.0	389	6	67.0	5.0	4.5	23.5	358
<b>5-1</b>	68.8	4.3	22.9	4.0	349	<b>2-2</b>	75.5	5.7	10.0	8.8	318
3	63.7	4.0	21.2	11.1	377	4	69.4	5.2	9.2	16.2	346
5	59.3	3.7	19.7	17.3	405	6	64.2	4.8	8.6	22.4	374
<b>6-1</b>	65.8	4.1	26.3	3.8	365	<b>3-2</b>	71.8	5.4	14.4	8.4	334
3	61.1	3.8	24.4	10.7	393	4	66.3	5.0	13.5	15.5	362
5	56.9	3.6	22.8	16.6	421	6	61.5	4.6	12.3	21.5	390
<b>7-1</b>	63.0	3.9	29.4	3.7	381	<b>4-2</b>	68.6	5.1	18.3	8.0	350
8-1	60.5	3.8	23.2	3.5	397	4	63.5	4.7	16.9	14.8	378
9-3	54.4	3.4	32.6	9.5	441	6	59.1	4.4	15.8	20.7	406
<b>20-16-1-2</b>	80.0	5.3	5.3	9.3	300	<b>5-2</b>	65.6	4.9	21.9	7.6	366
4	73.2	4.8	4.8	17.1	328	4	60.9	4.5	20.3	14.2	394
6	67.4	4.5	4.5	23.6	356	6	56.9	4.3	18.9	19.9	422
<b>2-2</b>	75.9	5.1	10.1	8.9	316	<b>6-2</b>	62.8	4.7	25.1	7.3	382
4	69.8	4.6	9.3	16.3	344	4	58.5	4.4	23.4	13.6	410
6	64.5	4.3	8.6	22.6	372	6	54.8	4.1	21.9	19.2	438
<b>3-2</b>	72.3	4.8	14.5	8.4	332	<b>7-2</b>	60.3	4.5	28.1	7.0	398
4	66.7	4.4	13.3	15.6	360	<b>8-2</b>	58.0	4.3	30.9	6.8	414
6	61.9	4.1	12.4	21.6	388	<b>10-2</b>	53.8	4.0	35.9	6.3	446
<b>4-2</b>	69.0	4.6	18.4	8.0	348	<b>20-19-1-1</b>	83.0	6.6	5.5	4.8	289
4	63.8	4.3	17.0	14.9	376	3	75.7	6.0	5.0	13.3	317
6	59.4	4.0	15.8	20.8	404	5	69.6	5.5	4.6	20.3	345
<b>5-2</b>	65.9	4.4	22.0	7.7	364	7	64.3	5.1	4.3	26.3	373
4	61.2	4.1	20.4	14.3	392	<b>2-1</b>	78.7	6.2	10.5	4.6	305
6	57.2	3.8	19.0	20.0	420	3	72.1	5.7	9.6	12.6	333
<b>6-2</b>	63.2	4.2	25.3	7.3	380	<b>5</b>	66.5	5.3	8.8	19.4	361
4	58.8	3.9	23.5	13.7	408	<b>3-1</b>	74.8	5.9	14.9	4.4	321
6	55.0	3.7	22.0	19.3	436	3	68.8	5.4	13.7	12.0	349
<b>7-2</b>	60.6	4.0	28.3	7.1	396	<b>5</b>	63.6	5.0	12.7	18.6	377

C—H—O—N	C %	H %	O %	N %	M. G.	C—H—O—N	C %	H %	O %	N %	M. G.
<b>20—19—4—1</b>	71,2	5,6	19,0	4,2	337	<b>20—22—1—6</b>	66,3	6,1	4,4	23,2	362
3	65,8	5,2	17,5	11,5	365	<b>2—2</b>	74,5	6,8	9,9	8,7	322
5	61,1	4,8	16,3	17,8	393	4	68,6	6,3	9,1	16,0	350
<b>5—1</b>	68,0	5,4	22,7	3,9	353	6	63,5	5,8	8,5	22,2	378
3	63,0	5,0	21,0	11,0	381	<b>3—2</b>	71,0	6,5	14,2	8,3	338
5	58,7	4,6	19,6	17,1	409	4	65,6	6,0	13,1	15,3	366
<b>6—1</b>	65,0	5,1	26,0	3,8	369	6	60,9	5,6	12,2	21,3	394
3	60,4	4,8	24,2	10,6	397	<b>4—2</b>	67,8	6,2	18,1	7,9	354
5	56,5	4,5	22,6	16,4	425	4	62,8	5,7	16,8	14,7	382
<b>7—1</b>	62,3	4,9	29,1	3,6	385	6	58,5	5,3	15,6	20,6	410
3	58,1	4,6	27,1	10,2	413	<b>5—2</b>	64,9	5,9	21,6	7,6	370
5	54,4	4,3	25,4	15,9	441	4	60,3	5,5	20,1	14,1	398
<b>8—1</b>	59,9	4,7	31,9	3,5	401	6	56,3	5,2	18,8	19,7	426
3	55,9	4,4	29,8	9,8	429	<b>6—2</b>	62,2	5,7	24,8	7,2	386
5	52,5	4,2	28,0	15,3	457	4	58,0	5,3	23,2	13,5	414
<b>9—1</b>	57,6	4,6	34,5	3,3	417	6	54,3	5,0	21,7	19,0	442
<b>20—20—1—2</b>	78,9	6,6	5,3	9,2	304	<b>7—2</b>	59,7	5,5	27,8	7,0	402
4	72,3	6,0	4,8	16,9	332	4	55,8	5,1	26,0	13,0	430
6	66,7	5,5	4,4	23,3	360	6	52,4	4,8	24,4	18,3	458
<b>2—2</b>	75,0	6,2	10,0	8,7	320	<b>8—2</b>	57,4	5,3	30,6	6,7	418
4	68,9	5,7	9,2	16,1	348	4	53,8	4,9	28,7	12,6	446
6	63,8	5,3	8,5	22,3	376	6	50,6	4,6	27,0	17,7	474
<b>3—2</b>	71,4	5,9	14,3	8,3	336	<b>9—2</b>	55,3	5,1	33,2	6,4	434
4	65,9	5,5	13,2	15,4	364	4	52,0	4,8	31,1	12,1	462
6	61,2	5,1	12,2	21,5	392	6	49,0	4,5	29,4	17,1	490
<b>4—2</b>	68,2	5,7	18,2	7,9	352	<b>16—4</b>	41,8	3,8	44,6	9,7	574
4	63,2	5,2	16,8	14,7	380	<b>20—23—1—1</b>	81,9	7,8	5,5	4,8	293
6	58,8	4,9	15,7	20,6	408	3	74,8	7,1	5,0	13,1	321
<b>5—2</b>	65,2	5,4	21,7	7,6	368	5	68,8	6,6	4,6	20,0	349
4	60,6	5,0	20,2	14,1	396	<b>2—1</b>	77,7	7,4	10,4	4,5	309
6	56,6	4,7	18,9	19,8	424	3	71,2	6,8	9,5	12,5	337
<b>6—2</b>	62,5	5,2	25,0	7,3	384	5	65,8	6,3	8,7	19,2	365
4	58,2	4,8	23,3	13,6	412	<b>3—1</b>	73,8	7,1	14,8	4,3	325
6	54,5	4,5	21,8	19,1	440	3	68,0	6,5	13,6	11,9	353
<b>7—2</b>	60,0	5,6	28,0	7,0	400	5	63,0	6,0	12,6	18,4	381
4	56,1	4,7	26,1	13,1	428	<b>4—1</b>	70,4	6,7	11,8	4,1	341
6	52,6	4,4	24,6	18,4	456	3	65,0	6,2	17,3	11,4	369
<b>8—2</b>	57,7	4,8	30,8	6,7	416	5	60,4	5,8	16,2	17,6	397
9—2	55,6	4,6	33,1	6,5	432	<b>5—1</b>	67,2	6,4	22,4	3,9	357
<b>12—2</b>	50,0	4,1	40,0	5,8	480	3	62,3	6,0	20,8	10,9	385
<b>20—21—1—1</b>	82,5	7,2	5,5	4,8	291	5	58,1	5,6	19,4	16,9	413
3	75,2	6,6	5,0	13,2	319	<b>6—1</b>	64,3	6,2	25,7	3,7	373
5	69,1	6,0	4,6	20,2	347	3	59,9	5,7	23,9	10,5	401
<b>2—1</b>	78,2	6,8	10,4	4,6	307	5	55,9	5,4	22,4	16,3	429
3	71,6	6,3	9,6	12,5	335	<b>7—1</b>	61,7	5,9	28,8	3,6	389
5	66,1	5,8	8,8	19,3	363	<b>9—1</b>	57,0	5,5	34,2	3,3	421
<b>3—1</b>	74,3	6,5	14,9	4,3	323	<b>10—1</b>	54,9	5,3	36,6	3,2	437
3	68,4	6,0	13,7	11,9	351	<b>12—1</b>	51,2	4,9	40,9	3,0	409
5	63,3	5,5	12,7	18,5	379	<b>14—3</b>	45,4	4,3	42,3	8,0	529
<b>4—1</b>	70,8	6,2	18,9	4,1	339	<b>20—24—1—2</b>	77,9	7,8	5,2	9,1	308
3	65,4	5,7	17,4	11,4	367	4	71,4	7,1	4,8	16,7	336
5	60,7	5,3	16,2	17,7	395	6	65,9	6,6	4,4	23,1	364
<b>5—1</b>	67,6	5,9	22,5	3,9	355	<b>2—2</b>	74,1	7,4	9,9	8,6	324
3	62,7	5,5	20,9	10,9	383	4	68,2	6,8	9,1	15,9	352
5	58,4	5,1	19,5	17,0	411	6	63,1	6,3	8,4	22,1	380
<b>7—1</b>	62,0	5,4	28,9	3,6	387	<b>3—2</b>	70,6	7,1	14,1	8,2	340
<b>10—1</b>	55,2	4,8	36,8	3,2	435	4	65,2	6,5	13,0	15,2	368
<b>20—22—1—2</b>	78,4	7,2	5,2	9,1	306	6	60,6	6,1	12,1	21,2	396
4	71,8	6,6	4,8	16,8	334	<b>4—2</b>	67,4	6,7	18,0	7,9	356

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>20—24—4—4</b>	62,5	6,2	16,7	14,6	384	<b>20—27—4—3</b>	64,3	7,2	17,2	11,3	373
6	58,2	5,8	15,5	20,4	412	5	59,9	6,7	15,9	17,5	401
<b>5—2</b>	64,5	6,4	21,5	7,5	372	<b>6—3</b>	59,3	6,7	23,7	10,5	405
4	60,0	6,0	20,0	14,0	400	9—3	53,0	5,9	31,8	9,3	453
6	56,1	5,6	18,7	19,6	428	11—1	52,5	5,9	38,5	3,1	457
<b>6—2</b>	61,9	6,2	24,7	7,2	388	<b>20—28—1—2</b>	76,9	9,0	5,1	9,0	312
4	57,7	5,8	23,1	13,4	416	4	70,6	8,2	4,7	16,5	340
6	54,1	5,4	21,6	18,9	444	6	65,2	7,6	4,3	22,8	368
<b>7—2</b>	59,5	5,7	27,8	6,9	403	<b>2—2</b>	73,2	8,5	9,8	8,5	328
<b>10—2</b>	53,1	5,3	35,4	6,1	452	4	67,4	7,9	9,0	15,7	356
<b>20—25—1—1</b>	81,4	8,5	5,4	4,7	295	6	62,5	7,3	8,3	21,9	384
3	74,3	7,7	4,9	13,0	323	<b>3—2</b>	69,8	8,1	13,9	8,1	344
5	68,4	7,1	4,6	19,9	351	4	64,5	7,5	12,0	15,1	372
<b>2—1</b>	77,2	8,0	10,3	4,5	311	6	60,0	7,0	12,0	21,0	400
3	70,8	7,4	9,4	12,4	339	<b>4—2</b>	66,7	7,8	17,7	7,8	360
5	65,4	6,8	8,7	19,1	367	4	61,9	7,2	16,5	14,4	388
<b>3—1</b>	73,4	7,6	14,7	4,3	327	6	57,7	6,7	15,4	20,2	416
3	67,6	7,0	13,5	11,8	355	<b>5—2</b>	63,8	7,4	21,3	7,4	376
5	62,6	6,5	12,5	18,3	383	6—2	61,2	7,1	24,5	7,1	392
<b>4—1</b>	69,9	7,3	18,6	4,1	343	4	57,1	6,7	22,9	13,3	420
3	64,7	6,7	17,2	11,3	371	<b>7—2</b>	58,8	6,9	27,4	6,9	408
5	60,1	6,3	16,0	17,5	399	<b>20—29—1—1</b>	80,2	9,7	5,3	4,7	299
<b>5—1</b>	66,9	6,9	22,3	3,9	359	3	73,4	8,9	4,9	12,8	327
3	62,0	6,5	20,7	10,8	387	5	67,6	8,2	4,5	19,7	355
5	57,8	6,0	19,3	16,9	415	<b>2—1</b>	76,2	9,2	10,2	4,4	315
<b>6—1</b>	64,0	6,7	25,6	3,7	375	3	70,0	8,4	9,3	12,2	343
3	59,5	6,2	23,8	10,4	403	5	64,7	7,8	8,6	18,9	371
5	55,7	5,8	22,3	16,2	431	<b>3—1</b>	72,5	8,8	14,5	4,2	331
<b>8—1</b>	56,7	5,9	34,0	3,3	423	3	66,9	8,1	13,3	11,7	359
<b>20—26—1—2</b>	77,4	8,4	5,2	9,0	310	5	62,0	7,4	12,4	18,1	387
4	71,0	7,7	4,7	16,6	338	<b>4—1</b>	69,1	8,4	18,4	4,0	347
6	65,6	7,1	4,4	22,9	366	3	64,0	7,7	17,1	11,2	375
<b>2—2</b>	73,6	8,0	9,8	8,6	326	5	59,5	7,2	15,9	17,4	403
4	67,8	7,3	9,0	15,8	354	<b>20—30—1—2</b>	76,4	9,6	5,1	8,9	314
6	62,8	6,8	8,4	22,0	382	4	70,2	8,8	4,6	16,4	342
<b>3—2</b>	70,2	7,6	14,0	8,2	342	6	64,8	8,1	4,3	22,7	370
4	64,8	7,0	13,0	15,1	370	<b>2—2</b>	72,7	9,1	9,7	8,5	330
6	60,2	6,6	12,1	21,1	398	4	67,0	8,4	8,9	15,6	358
<b>4—2</b>	67,0	7,3	17,9	7,8	358	6	62,2	7,8	8,3	21,7	386
4	62,2	6,7	16,6	14,5	386	<b>3—2</b>	69,3	8,7	13,9	8,1	346
6	58,0	6,3	15,4	20,3	414	4	64,2	8,0	12,8	15,0	374
<b>5—2</b>	64,2	6,9	21,4	7,5	374	6	59,7	7,5	11,9	20,9	402
4	59,7	6,5	19,9	13,9	402	<b>4—2</b>	66,2	8,3	17,7	7,7	362
6	55,8	6,0	18,6	19,5	430	<b>10—6</b>	46,7	5,8	31,1	16,3	514
<b>6—2</b>	61,5	6,7	24,6	7,2	390	<b>20—31—1—1</b>	79,7	10,3	5,3	4,6	301
4	57,4	6,2	23,0	13,4	418	3	73,0	9,4	4,8	12,8	329
7—4	55,3	6,0	25,8	12,9	434	5	67,2	8,7	4,5	19,6	357
<b>9—2</b>	54,8	5,9	32,9	6,4	438	<b>2—1</b>	75,7	9,8	10,1	4,4	317
<b>10—2</b>	52,9	5,7	35,2	6,2	454	3	69,6	9,0	9,2	12,2	345
<b>20—27—1—1</b>	80,8	9,1	5,4	4,7	297	<b>5</b>	64,3	8,3	8,6	18,8	373
3	73,8	8,3	4,9	12,9	325	<b>3—1</b>	72,1	9,3	14,4	4,2	333
5	68,0	7,6	4,5	19,8	353	3	66,5	8,6	13,3	11,6	361
<b>2—1</b>	76,7	8,6	10,2	4,5	313	5	61,7	8,0	12,3	18,0	389
3	70,4	7,9	9,4	12,3	341	<b>20—32—1—2</b>	76,0	10,1	5,1	8,8	316
5	65,0	7,3	8,7	19,0	369	4	69,8	9,3	4,6	16,3	344
<b>3—1</b>	73,0	8,2	14,6	4,2	329	6	64,5	8,6	4,3	22,6	372
3	67,2	7,6	13,4	11,8	357	<b>2—2</b>	72,3	9,6	9,6	8,4	332
5	62,3	7,0	12,5	18,2	385	4	66,7	8,9	8,9	15,5	360
<b>4—1</b>	69,6	7,8	18,6	4,0	345	6	61,9	8,2	8,2	21,6	388

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>20—32—3—2</b>	69,0	9,2	13,8	8,0	348	<b>20—39—1—5</b>	65,7	10,7	4,4	19,2	365
4	63,8	8,5	12,8	14,9	376	<b>2—1</b>	73,8	12,0	9,8	4,3	325
6	59,4	7,9	11,9	20,8	404	<b>3</b>	68,0	11,0	9,1	11,9	353
<b>4—2</b>	65,9	8,8	17,6	7,7	304	<b>5</b>	63,0	10,2	8,4	18,4	381
<b>5—2</b>	63,2	8,4	21,0	7,4	380	<b>3—1</b>	70,4	11,4	14,1	4,1	341
<b>6—2</b>	60,6	8,1	24,2	7,1	396	<b>3</b>	65,0	10,6	13,0	11,4	369
<b>7—2</b>	58,2	7,8	27,2	6,8	412	<b>5</b>	60,4	9,8	12,1	17,6	397
<b>13—2</b>	47,2	6,3	40,9	5,5	508	<b>4—1</b>	67,2	10,9	17,9	3,9	357
<b>20—33—1—1</b>	79,2	10,9	5,3	4,6	303	<b>3</b>	62,3	10,1	16,6	10,9	385
<b>3</b>	72,5	10,0	4,8	12,7	331	<b>5</b>	58,1	9,4	15,5	17,0	413
<b>5</b>	66,9	9,2	4,4	19,5	359	<b>20—40—1—2</b>	74,1	12,3	4,9	8,6	324
<b>2—1</b>	75,2	10,3	10,0	4,4	319	<b>4</b>	68,2	11,4	4,5	15,9	352
<b>3</b>	69,2	9,5	9,2	12,1	347	<b>6</b>	63,2	10,5	4,2	22,1	380
<b>5</b>	64,0	8,8	8,5	18,7	375	<b>2—2</b>	70,6	11,8	9,4	8,2	340
<b>3—1</b>	71,6	9,8	14,3	4,2	335	<b>4</b>	65,2	10,9	8,7	15,2	368
<b>3</b>	66,1	9,1	13,2	11,6	363	<b>6</b>	60,6	10,1	8,1	21,2	396
<b>5</b>	61,4	8,4	12,3	17,9	391	<b>3—2</b>	67,4	11,2	13,5	7,9	356
<b>20—34—1—2</b>	75,5	10,7	5,0	8,8	318	<b>4</b>	62,5	10,4	12,5	14,6	384
<b>4</b>	69,4	9,8	4,6	16,2	346	<b>6</b>	58,3	9,7	11,6	20,4	412
<b>6</b>	64,2	9,1	4,3	22,4	374	<b>4—2</b>	64,5	10,8	17,2	7,5	372
<b>2—2</b>	71,8	10,2	9,6	8,4	334	<b>4</b>	60,0	10,0	14,0	24,0	400
<b>4</b>	66,3	9,4	8,8	15,5	362	<b>6</b>	56,2	9,3	14,9	19,6	428
<b>6</b>	61,5	8,7	8,2	21,5	390	<b>20—41—1—1</b>	77,1	13,2	5,1	4,5	311
<b>3—2</b>	68,6	9,7	13,7	8,0	350	<b>3</b>	70,8	12,1	4,7	12,4	339
<b>4</b>	63,5	9,0	12,7	14,8	378	<b>5</b>	65,4	11,2	4,3	19,1	367
<b>6</b>	59,1	8,4	11,8	20,7	406	<b>2—1</b>	73,4	12,5	9,8	4,3	327
<b>4—2</b>	65,6	9,3	17,5	7,6	366	<b>3</b>	67,6	11,5	9,0	11,8	355
<b>20—35—1—1</b>	78,7	11,6	5,2	4,6	305	<b>5</b>	62,6	10,7	8,4	18,3	383
<b>3</b>	72,1	10,5	4,8	12,6	333	<b>20—42—1—2</b>	73,6	12,9	4,9	8,6	326
<b>5</b>	66,5	9,7	4,4	19,4	361	<b>4</b>	67,8	11,9	4,5	15,8	354
<b>2—1</b>	74,8	10,9	10,0	4,3	321	<b>6</b>	62,8	11,0	4,2	22,0	382
<b>3</b>	68,8	10,0	9,2	12,0	349	<b>2—2</b>	70,2	12,3	9,3	8,2	342
<b>5</b>	63,6	9,3	8,5	18,6	377	<b>4</b>	64,9	11,3	8,6	15,1	370
<b>3—1</b>	71,2	10,4	14,2	4,2	337	<b>6</b>	60,3	10,6	8,0	21,1	398
<b>3</b>	65,8	9,6	13,1	11,5	365	<b>20—43—1—1</b>	76,7	13,7	5,1	4,5	313
<b>5</b>	61,1	8,9	12,9	17,8	393	<b>3</b>	70,4	12,6	4,7	12,3	341
<b>20—36—1—2</b>	75,0	11,2	5,0	8,8	320	<b>5</b>	65,1	11,7	4,3	18,9	369
<b>4</b>	69,0	10,3	4,6	16,1	348	<b>2—1</b>	73,0	13,1	9,7	4,2	329
<b>6</b>	63,8	9,6	4,2	22,3	376	<b>3</b>	67,2	12,0	9,0	11,8	357
<b>2—2</b>	71,4	10,7	9,5	8,3	336	<b>5</b>	62,3	11,2	8,3	18,2	385
<b>4</b>	65,9	9,9	8,8	15,4	364	<b>4—3</b>	61,7	11,0	16,4	10,8	389
<b>6</b>	61,2	9,2	8,2	21,4	392	<b>20—44—1—2</b>	73,2	13,4	4,9	8,5	328
<b>20—37—1—1</b>	78,1	12,0	5,2	4,6	307	<b>4</b>	67,4	12,4	4,5	15,7	356
<b>3</b>	71,6	11,0	4,8	12,5	335	<b>6</b>	62,5	11,4	4,2	21,9	384
<b>5</b>	66,1	10,2	4,4	19,3	363	<b>2—2</b>	69,8	12,8	9,3	8,1	344
<b>7</b>	61,4	9,4	4,1	25,1	391	<b>4</b>	64,5	11,8	8,6	15,0	372
<b>2—1</b>	74,3	11,4	9,9	4,3	323	<b>6</b>	60,0	11,0	8,0	21,0	400
<b>3</b>	68,4	10,5	9,1	12,0	351	<b>20—45—1—1</b>	76,2	14,3	5,1	4,4	315
<b>5</b>	63,3	9,8	8,4	18,5	379	<b>3</b>	70,0	13,1	4,7	12,2	343
<b>10—3</b>	50,1	7,7	33,4	8,8	479	<b>5</b>	64,7	12,1	4,3	18,9	371
<b>20—38—1—2</b>	74,5	11,8	5,0	8,7	322	<b>2—1</b>	72,5	13,6	9,6	4,3	331
<b>4</b>	68,6	10,8	4,6	16,0	350	<b>3</b>	66,9	12,5	8,9	11,7	359
<b>6</b>	63,5	10,1	4,2	22,2	378	<b>5</b>	62,0	11,6	8,3	18,1	387
<b>2—2</b>	71,0	11,2	9,5	8,3	338	<b>21—10—6—2</b>	65,3	2,6	24,9	7,2	386
<b>4</b>	65,6	10,4	8,7	15,3	366	<b>21—12—6—6</b>	56,7	2,7	21,6	18,9	444
<b>6</b>	60,9	9,6	8,1	21,3	394	<b>7—2</b>	62,4	3,0	27,7	6,9	404
<b>15—2</b>	44,0	6,9	44,0	5,1	546	<b>8—4</b>	56,2	2,7	28,6	12,5	448
<b>20—39—1—1</b>	77,7	12,6	5,2	4,5	309	<b>9—6</b>	51,2	2,4	29,3	17,1	492
<b>3</b>	71,2	11,6	4,7	12,5	337	<b>21—13—1—1</b>	85,4	4,4	5,4	4,8	295

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>21—13—1—3</b>	78,0	4,0	4,9	13,0	323	<b>21—16—3—2</b>	73,3	4,6	14,0	8,1	344
5	71,8	3,7	4,6	19,9	351	4	67,7	4,3	12,9	15,1	372
<b>2—1</b>	81,0	4,2	10,3	4,5	311	6	63,0	4,0	12,0	21,0	400
3	74,3	3,8	9,4	12,4	339	4—2	70,0	4,4	17,8	7,8	360
5	68,6	3,5	8,7	19,1	367	4	64,9	4,1	16,5	14,4	388
<b>3—1</b>	77,1	3,9	14,7	4,3	327	5—2	67,0	4,3	21,3	7,4	376
3	71,0	3,7	13,5	11,8	355	<b>21—17—1—1</b>	84,2	5,7	5,3	4,7	299
5	65,8	3,4	12,5	18,3	383	3	77,0	5,2	4,9	12,9	327
<b>4—1</b>	73,5	3,8	18,6	4,1	343	5	71,0	4,8	4,5	19,7	355
3	67,9	3,5	17,2	11,3	371	<b>2—1</b>	80,0	5,4	20,2	4,4	315
5	63,1	3,3	16,1	17,5	399	3	73,4	5,0	9,3	12,2	343
<b>5—1</b>	70,2	3,6	22,3	3,9	359	5	67,9	4,6	8,6	18,9	371
3	65,1	3,4	20,7	10,8	387	<b>3—1</b>	76,1	5,1	14,5	4,2	331
5	60,7	3,1	19,3	16,9	415	3	70,2	4,7	13,4	11,7	359
<b>6—1</b>	67,2	3,5	25,6	3,7	375	5	65,1	4,4	12,4	18,1	387
3	62,5	3,2	23,8	10,4	403	<b>4—1</b>	72,6	4,9	18,4	4,0	347
5	58,5	3,0	22,3	16,2	431	3	67,2	4,5	17,1	11,2	375
<b>7—1</b>	64,5	3,3	28,6	3,6	391	5	62,5	4,2	15,9	17,4	403
3	60,1	3,1	26,7	10,0	419	<b>5—3</b>	64,5	4,3	20,5	10,7	391
5	56,4	2,9	25,0	15,7	447	<b>21—18—1—2</b>	80,3	5,7	5,1	8,9	314
<b>8—3</b>	57,9	3,0	29,4	9,7	435	4	73,7	5,2	4,7	10,4	342
<b>21—14—1—2</b>	81,3	4,5	5,2	9,0	310	6	78,1	4,8	4,3	22,7	370
4	74,6	4,1	4,7	16,6	338	<b>2—2</b>	76,4	5,4	9,7	8,5	330
2—2	77,3	4,3	9,8	8,6	326	4	70,4	5,0	8,9	15,7	358
4	71,2	4,0	9,0	15,8	354	6	65,3	4,7	8,3	21,7	386
<b>3—2</b>	73,7	4,1	14,0	8,2	342	<b>3—2</b>	72,8	5,2	13,9	8,1	346
<b>4—2</b>	70,4	3,9	17,9	7,8	358	4	67,4	4,8	12,8	15,0	374
4	65,3	3,6	16,6	14,5	386	6	62,7	4,5	11,9	20,9	402
6	60,9	3,4	15,4	20,3	414	<b>4—2</b>	69,6	5,0	17,7	7,7	362
<b>7—4</b>	58,1	3,2	25,8	12,9	434	4	64,6	4,6	16,4	14,4	390
<b>8—2</b>	59,7	3,3	30,3	6,6	422	6	60,3	4,3	15,3	20,1	418
<b>21—15—1—1</b>	84,8	5,0	5,4	4,7	297	<b>5—2</b>	66,7	4,8	21,1	7,4	378
3	77,5	4,6	4,9	12,9	325	4	62,1	4,4	19,7	13,8	406
5	71,4	4,2	4,5	19,8	353	6	58,1	4,1	18,4	19,3	434
<b>2—1</b>	80,5	4,8	10,2	4,5	313	<b>6—2</b>	63,9	4,6	24,4	7,1	394
3	73,9	4,4	9,4	12,3	341	4	59,7	4,3	22,7	13,3	422
5	68,3	4,1	8,6	19,0	369	6	56,0	4,0	21,3	18,7	450
<b>3—1</b>	76,6	4,6	14,6	4,2	329	<b>10—2</b>	55,0	3,9	34,9	6,1	458
3	70,6	4,2	13,4	11,8	357	<b>21—19—1—1</b>	73,7	6,3	5,3	4,7	301
5	65,4	3,9	12,5	18,2	385	3	76,6	5,8	4,8	12,8	329
<b>4—1</b>	73,9	4,3	18,6	3,1	345	5	70,6	5,3	4,4	19,6	357
3	67,5	4,0	17,2	11,2	373	<b>2—1</b>	79,5	6,0	10,1	4,4	317
5	62,9	3,7	15,9	17,5	401	3	73,1	5,5	9,2	12,2	345
<b>5—1</b>	69,8	4,1	22,2	3,9	361	5	67,5	5,1	8,6	18,8	373
3	64,8	3,8	20,6	10,8	389	<b>3—1</b>	65,7	5,7	14,4	4,2	333
5	60,4	3,6	19,2	16,8	417	3	69,8	5,2	13,3	11,6	361
<b>6—1</b>	60,8	4,0	25,5	3,7	377	5	64,7	4,9	12,3	18,0	389
3	62,2	3,7	23,7	10,4	405	<b>4—1</b>	72,2	5,4	18,3	4,0	349
5	58,2	3,4	22,2	16,2	433	3	66,8	5,0	17,0	11,1	377
<b>7—1</b>	64,1	3,8	28,5	3,6	393	5	62,2	4,7	15,8	17,2	405
3	59,8	3,6	26,6	10,0	421	<b>5—1</b>	69,1	5,2	21,9	3,8	365
5	56,1	3,3	24,9	15,6	449	3	64,1	4,8	20,3	10,7	393
<b>8—1</b>	61,6	3,7	31,3	3,4	409	<b>6—1</b>	66,1	5,0	25,2	3,7	381
<b>21—16—1—2</b>	80,8	5,1	5,1	9,0	312	<b>7—1</b>	63,5	4,8	28,2	3,5	397
4	74,1	4,7	4,7	16,5	340	<b>8—1</b>	61,0	4,6	31,0	3,4	413
6	68,5	4,3	4,3	22,8	368	<b>21—20—1—2</b>	79,7	6,3	5,1	8,8	316
<b>2—2</b>	76,8	4,9	9,7	8,5	328	4	73,3	5,8	4,6	16,3	344
4	70,8	4,5	9,0	15,7	356	6	67,7	5,4	4,3	22,6	372
6	65,6	4,2	8,3	21,9	384	<b>2—2</b>	75,9	6,0	9,6	8,4	332

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>21—20—2—4</b>	70,0	5,6	8,9	15,5	360	<b>21—23—4—1</b>	71,4	6,5	18,1	4,0	353
6	65,0	5,2	8,2	21,6	388	3	66,1	6,0	16,8	11,0	381
<b>3—2</b>	72,4	5,7	13,8	8,0	348	5	61,6	5,6	15,6	17,1	409
4	67,0	5,3	12,8	14,9	376	<b>5—1</b>	68,3	6,2	21,7	3,8	369
6	62,4	4,9	11,9	20,8	404	3	63,5	5,8	20,1	10,6	397
<b>4—2</b>	69,2	5,5	17,6	7,7	364	6—1	65,4	6,0	24,9	3,6	385
4	64,3	5,1	16,3	14,3	392	7—1	62,8	5,7	27,9	3,5	401
6	60,0	4,8	15,2	20,0	420	3	58,7	5,4	26,1	9,8	429
<b>5—2</b>	66,3	5,3	21,0	7,4	380	8—1	50,4	5,5	30,7	3,4	417
4	61,8	4,9	19,6	13,7	408	3	56,6	5,2	28,8	9,4	445
6	57,8	4,6	18,3	19,3	436	<b>21—24—1—2</b>	78,7	7,5	5,0	8,7	320
<b>6—2</b>	63,6	5,1	24,2	7,1	396	4	72,4	6,9	4,6	16,1	348
4	59,4	4,7	22,6	13,2	424	6	67,0	6,4	4,3	22,3	376
6	55,7	4,4	21,2	18,6	452	<b>2—2</b>	75,0	7,1	9,5	8,3	336
<b>21—21—1—1</b>	83,2	6,9	5,3	4,6	303	4	69,2	6,5	8,8	15,4	364
3	76,1	6,3	4,8	12,7	331	6	64,3	6,1	8,2	21,4	392
5	70,2	5,8	4,5	19,5	359	<b>3—2</b>	71,6	6,8	13,6	7,9	352
<b>2—1</b>	79,0	6,6	10,0	4,4	319	4—2	68,5	6,5	17,4	7,6	368
3	72,6	6,1	9,2	12,1	347	4	63,6	6,1	16,2	14,1	396
5	67,2	5,6	8,5	18,7	375	<b>5—2</b>	65,6	6,2	20,8	7,3	384
<b>3—1</b>	75,2	6,3	14,3	4,2	335	6—2	63,0	6,0	24,0	7,0	400
3	69,4	5,8	13,2	11,6	363	4	58,9	5,6	22,4	13,1	428
5	64,4	5,4	12,3	17,9	391	7—2	60,6	5,8	26,9	6,7	416
<b>4—1</b>	71,8	6,0	18,2	4,0	351	<b>21—25—1—1</b>	82,1	8,1	5,2	4,6	307
3	66,5	5,5	16,9	11,1	379	2—1	78,0	7,7	9,9	4,3	323
5	61,9	5,2	15,7	17,2	407	3	71,8	7,1	9,1	12,0	351
<b>5—1</b>	68,6	5,7	21,8	3,8	367	3—1	74,3	7,4	14,2	4,1	339
3	63,8	5,3	20,2	10,6	395	3	68,7	6,8	13,1	11,4	367
5	59,5	5,0	18,9	16,5	423	4—1	71,0	7,0	18,0	3,9	355
<b>6—1</b>	65,7	5,5	25,1	3,7	383	5—1	67,9	6,7	21,6	3,8	371
3	61,3	5,1	23,4	10,2	411	3	68,8	6,8	21,9	11,5	399
5	57,4	4,8	21,9	15,9	439	<b>21—26—1—2</b>	78,2	8,1	5,0	8,7	322
<b>7—1</b>	63,1	5,3	28,1	3,5	399	4	72,0	7,4	4,6	16,0	350
3	59,0	4,9	26,2	9,8	427	2—2	64,5	7,7	9,5	8,3	338
5	55,4	4,6	24,6	15,4	455	4	68,9	7,1	8,7	15,3	366
<b>21—22—1—2</b>	79,2	6,9	5,0	8,8	318	3—2	71,2	7,3	13,6	7,9	354
4	72,8	6,4	4,6	16,2	346	4—2	68,1	7,0	17,3	7,6	370
6	67,4	5,9	4,3	22,4	374	8—2	58,1	6,0	29,5	6,4	434
<b>2—2</b>	75,4	6,6	9,6	8,4	334	<b>21—27—1—1</b>	81,6	8,7	5,2	4,5	309
4	69,6	6,1	8,8	15,5	362	2—1	77,5	8,3	9,8	4,3	325
6	64,6	5,6	8,2	21,5	390	3—1	73,9	7,9	14,1	4,1	341
<b>3—2</b>	72,0	6,3	13,7	8,0	350	4—1	70,6	7,5	17,9	3,9	357
4	66,7	5,8	12,7	14,8	378	6—1	64,8	6,9	24,7	3,6	389
6	62,1	5,4	11,8	20,7	406	7—1	62,2	6,7	27,6	3,5	405
<b>5—2</b>	66,0	5,8	20,9	7,3	382	<b>21—28—1—2</b>	77,8	8,6	4,9	8,6	324
7—2	60,9	5,3	20,7	6,8	414	2—2	74,1	8,2	9,4	8,2	340
4	47,0	5,0	25,3	12,7	442	3—2	70,8	7,8	13,5	7,8	356
<b>8—2</b>	58,6	5,1	29,8	6,5	430	4	65,6	7,3	12,5	14,6	384
9—4	53,2	4,6	30,4	11,8	474	4—2	67,7	7,5	17,2	7,5	372
<b>10—2</b>	54,5	4,8	34,6	6,1	462	5—2	65,0	7,2	20,6	7,2	388
<b>21—23—1—1</b>	82,6	7,5	5,2	4,6	305	6—2	62,4	6,9	23,8	6,9	404
3	75,7	6,9	4,8	12,6	333	7—2	60,0	6,6	26,7	6,6	420
5	69,8	6,4	4,4	19,4	361	4	56,2	6,2	25,0	12,5	448
<b>2—1</b>	78,5	7,1	10,0	4,4	321	<b>21—29—1—1</b>	81,0	9,3	5,1	4,5	311
3	72,2	6,6	9,2	12,0	349	3	74,3	8,6	4,7	12,4	339
5	66,8	6,1	8,5	18,6	377	2—1	77,1	8,9	9,8	4,2	327
<b>3—1</b>	74,8	6,8	14,2	4,2	337	5	65,8	7,6	8,3	18,3	383
3	69,0	6,3	13,1	11,5	365	3—1	73,4	8,5	14,0	4,1	343
5	64,1	5,8	12,2	17,8	393	5	63,1	7,3	12,0	17,5	399

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
21—29—4—1	70,2	8,1	17,8	3,9	359	22—10—18—8	39,2	1,5	42,7	10,6	674
8—1	59,6	6,8	30,3	3,3	423	22—11—1—1	96,5	3,6	5,2	4,6	305
21—30—1—2	77,3	9,2	4,9	8,6	326	22—12—1—2	82,5	3,7	5,0	8,7	320
2—2	73,7	8,7	9,3	8,3	342	2—2	75,6	3,6	9,5	8,3	336
3—2	70,4	8,4	13,4	7,8	358	3—2	75,0	3,4	13,6	7,9	352
4—2	67,4	8,0	17,1	7,5	374	4—2	71,7	3,3	17,4	7,6	368
16	44,2	5,3	11,2	39,3	570	5—2	68,7	3,1	20,8	7,3	384
7—2	59,7	7,1	26,5	6,6	422	8—2	66,0	3,0	24,0	7,0	400
8—2	57,5	6,8	29,2	6,4	438	17—6	41,8	1,9	43,0	13,3	632
13—2	48,6	5,7	40,2	5,4	518	22—13—1—1	86,0	4,2	5,2	4,6	307
21—31—1—1	80,5	9,9	5,1	4,5	313	2—1	81,7	4,0	9,9	4,3	323
2—1	76,6	9,4	9,7	4,3	329	3—3	71,9	3,5	13,1	11,4	367
3—1	73,1	9,0	13,9	3,0	345	4—1	74,3	3,7	18,0	3,9	355
21—32—1—2	76,8	9,8	4,8	8,5	328	7—1	65,5	3,2	27,8	3,5	403
2—2	73,3	9,3	9,3	8,1	344	22—14—1—2	82,0	4,3	5,0	8,7	322
3—2	70,0	8,9	13,3	7,8	360	2—2	78,1	4,1	9,5	8,3	338
21—33—1—1	80,0	10,5	5,1	4,4	315	4	72,1	3,8	8,7	15,3	366
2—1	76,1	10,0	9,7	4,2	331	3—2	74,5	3,9	13,6	7,9	354
3—1	72,6	9,5	13,8	4,0	347	4—2	71,3	3,8	17,3	7,6	370
21—34—1—2	76,4	10,3	4,8	8,5	330	5—4	63,8	3,4	19,3	13,5	414
2—2	72,8	9,8	9,3	8,1	346	6—2	65,7	3,5	23,9	6,9	402
3—2	69,6	9,4	13,3	7,7	362	4	61,4	3,3	22,3	13,0	430
21—35—1—1	79,5	11,0	5,0	4,4	317	11—2	54,8	2,9	36,5	5,8	482
2—1	75,7	10,5	9,6	4,2	333	15—8	41,9	12,2	38,1	17,5	630
3—1	72,2	10,0	13,7	4,0	349	22—15—1—1	85,4	4,8	5,2	4,5	309
5—5	57,7	8,0	18,3	16,0	437	3	78,3	4,4	4,7	12,5	337
21—36—1—2	75,9	10,8	4,8	8,4	332	5	72,3	4,1	4,4	19,2	365
2—2	72,4	10,3	9,2	8,0	348	2—1	81,2	4,6	9,8	4,3	325
3—2	69,2	9,9	13,2	7,7	364	3	74,8	4,2	9,1	11,9	353
21—37—1—1	79,0	11,6	5,0	4,4	319	3—1	77,4	4,4	14,1	4,1	341
2—1	75,2	11,0	9,6	4,2	335	3	71,5	4,1	13,0	11,4	369
3—1	71,8	10,5	13,7	4,0	351	5	66,5	3,8	12,1	17,6	397
21—38—1—2	75,4	11,4	4,8	8,4	334	4—1	74,0	4,2	17,9	3,9	357
2—2	72,0	10,8	9,1	8,0	350	5	63,9	3,6	15,5	17,0	413
3—2	68,8	10,4	13,1	7,7	366	8—1	62,7	3,6	30,4	3,3	421
21—39—1—1	78,5	12,1	5,0	4,4	321	3	58,8	3,3	28,5	9,4	449
2—1	74,8	11,6	9,5	4,1	337	22—16—1—2	81,5	4,9	4,9	8,6	324
3—1	71,3	11,0	13,6	4,0	353	4	75,0	4,5	4,5	15,9	352
21—40—1—2	75,0	11,9	4,8	8,3	336	2—2	77,6	4,7	9,4	8,2	340
2—2	71,6	11,4	9,1	7,9	352	4	71,7	4,3	8,7	15,2	368
3—2	68,5	10,9	13,0	7,6	368	6	66,7	4,0	8,1	21,2	396
4—2	65,6	10,4	16,7	7,3	384	3—2	74,1	4,5	13,5	7,9	356
5—2	63,0	10,0	20,0	7,0	400	4—2	71,0	4,3	17,2	7,5	372
21—41—1—1	78,0	12,7	4,9	4,3	323	4	66,0	4,0	16,0	14,0	400
2—1	74,3	12,1	9,4	4,1	339	5—2	68,0	4,1	20,6	7,2	388
3—1	71,0	11,6	13,5	3,9	355	6—2	65,3	4,0	23,7	6,9	404
21—42—1—2	74,6	12,4	4,7	8,3	338	8—2	60,6	3,7	29,3	6,4	436
2—2	71,2	11,9	9,0	7,9	354	10—2	56,4	3,4	34,2	6,0	468
3—2	68,1	11,3	13,0	7,6	370	22—17—1—1	84,0	5,5	5,1	4,5	311
21—43—1—1	77,5	13,2	4,9	4,3	325	3	77,9	5,0	4,7	12,4	339
2—1	73,9	12,6	9,4	4,1	341	2—1	80,7	5,2	9,8	4,3	327
3—1	70,6	12,0	13,4	3,9	357	3	74,4	4,8	9,0	11,8	355
21—44—1—2	74,1	12,9	4,7	8,2	340	5	68,9	4,4	8,4	18,3	383
2—2	70,8	12,3	9,0	7,9	356	3—1	76,9	5,0	14,0	4,1	343
4	65,6	11,5	8,3	14,6	384	3	71,1	4,6	12,9	11,3	371
22—10—1—2	83,0	3,1	5,0	8,8	318	5	66,2	4,3	12,0	17,5	369
4—2	72,1	2,7	17,5	7,6	366	4—1	73,5	4,7	17,8	3,9	359
4	67,0	2,5	16,2	14,2	394	5—1	70,4	4,5	21,3	3,7	375
6—2	66,3	2,5	24,1	7,0	398	6—1	67,5	4,3	21,6	3,6	391

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>22-17-7-3</b>	60,7	3,9	25,7	9,7	435	<b>22-22-5-2</b>	67,0	5,6	20,3	7,1	394
8-5	55,1	3,6	26,7	14,6	479	<b>7-2</b>	62,0	5,1	26,3	6,6	426
13-1	52,5	3,4	41,3	2,8	503	<b>8-2</b>	59,7	5,0	29,0	6,3	442
<b>22-18-1-2</b>	81,0	5,5	4,9	8,6	326	<b>9-2</b>	57,6	4,8	31,4	6,1	458
4	74,6	5,1	4,5	15,8	354	<b>22-23-1-1</b>	83,3	7,3	5,0	4,4	317
<b>2-2</b>	77,2	5,3	9,3	8,2	342	<b>3</b>	76,5	6,7	4,6	12,2	345
4	71,4	4,9	8,6	15,1	370	<b>5</b>	70,8	6,1	4,3	18,8	373
<b>3-2</b>	73,7	5,0	13,4	7,8	358	<b>2-1</b>	79,3	6,9	9,6	4,2	333
<b>4-2</b>	70,6	4,8	17,1	7,5	374	<b>3</b>	73,1	6,4	8,9	11,6	361
4	65,6	4,5	15,9	13,9	402	<b>5</b>	67,8	5,9	8,3	18,0	389
<b>5-2</b>	67,7	4,6	20,5	7,2	390	<b>3-1</b>	75,6	6,6	13,7	4,0	349
<b>6-2</b>	65,0	4,4	23,6	6,9	406	<b>3</b>	70,0	6,1	12,7	11,1	377
<b>7-2</b>	62,6	4,3	26,5	6,6	422	<b>4-1</b>	72,3	6,3	17,5	3,8	365
4	58,6	4,0	24,9	12,4	450	<b>5-1</b>	69,3	6,0	21,0	3,7	381
<b>8-2</b>	55,2	3,8	23,4	17,6	478	<b>6-1</b>	66,5	5,8	24,2	3,5	397
<b>8-2</b>	60,3	4,1	29,2	6,4	438	<b>7-1</b>	63,9	5,6	27,1	3,4	413
4	56,7	3,8	27,5	12,0	466	<b>3</b>	56,9	5,2	25,4	9,5	441
<b>10-2</b>	56,2	3,8	34,0	5,9	470	<b>8-1</b>	61,5	5,4	29,8	3,3	429
11-4	51,4	3,5	34,2	10,9	514	<b>9-1</b>	59,3	5,2	32,4	3,1	445
<b>22-19-1-1</b>	84,4	6,1	5,1	4,5	313	<b>22-24-1-2</b>	79,5	7,2	4,8	8,4	332
3	77,4	5,6	4,7	12,3	341	<b>2-2</b>	75,9	6,9	9,2	8,0	348
<b>2-1</b>	80,7	5,8	9,7	4,2	329	<b>4</b>	70,2	6,4	8,5	14,9	376
3	73,9	5,3	9,0	11,8	357	<b>6</b>	65,3	5,9	7,9	20,8	404
<b>3-1</b>	76,6	5,5	13,9	4,0	345	<b>3-2</b>	72,5	6,6	13,2	7,7	364
3	70,8	5,1	12,9	11,2	373	<b>4-2</b>	69,5	6,3	16,8	7,4	380
<b>4-1</b>	73,1	5,3	17,7	3,9	361	<b>5-2</b>	66,7	6,0	20,2	7,1	396
3	67,8	4,9	16,4	10,8	389	<b>6</b>	58,4	5,3	17,7	18,6	452
<b>5-3</b>	65,2	4,7	19,7	10,4	405	<b>6-2</b>	64,1	5,8	23,3	6,8	412
<b>6-3</b>	62,6	4,5	22,8	10,0	421	<b>7-2</b>	61,6	5,6	26,2	6,5	428
<b>9-1</b>	59,9	4,3	32,6	3,2	441	<b>6</b>	54,6	5,0	23,1	17,3	484
<b>22-20-1-2</b>	80,5	6,1	4,9	8,5	328	<b>8-2</b>	59,4	5,4	28,8	6,3	444
4	74,1	5,6	4,5	15,7	356	<b>16-2</b>	46,1	4,2	44,8	4,9	572
<b>2-2</b>	76,7	5,8	9,3	8,1	344	<b>22-25-1-1</b>	82,8	7,8	5,0	4,4	319
4	71,0	5,4	8,6	15,0	372	<b>3</b>	76,1	7,2	4,6	12,1	347
<b>3-2</b>	73,3	5,6	13,3	7,8	360	<b>2-1</b>	78,8	7,5	9,5	4,2	335
4	68,0	5,2	12,4	14,4	388	<b>3-1</b>	75,2	7,1	13,7	4,0	351
<b>4-2</b>	70,2	5,3	17,0	7,5	376	<b>4-1</b>	71,9	6,8	17,4	3,8	367
6	61,1	4,6	14,8	19,4	432	<b>5-3</b>	64,2	6,1	19,5	10,2	411
<b>5-2</b>	67,3	5,1	20,4	7,1	392	<b>6-1</b>	66,2	6,3	24,0	3,5	399
<b>6-2</b>	64,7	4,9	23,5	6,9	408	<b>7-1</b>	63,6	6,0	27,0	3,4	415
4	60,6	4,6	22,0	12,8	436	<b>8-1</b>	61,2	5,8	29,7	3,3	431
<b>7-2</b>	62,3	4,7	26,4	6,6	424	<b>22-26-1-2</b>	79,0	7,8	4,8	8,4	334
<b>8-2</b>	60,0	4,5	29,1	6,4	440	<b>2-2</b>	75,4	7,4	9,1	8,0	350
<b>10-2</b>	55,9	4,2	33,9	5,9	472	<b>3-2</b>	72,1	7,1	13,1	7,6	366
<b>22-21-1-1</b>	83,8	6,7	5,1	4,4	315	<b>4-2</b>	67,0	6,6	12,2	14,2	394
3	77,0	6,1	4,7	12,2	343	<b>4</b>	69,1	6,8	16,7	7,3	382
<b>5</b>	71,1	5,7	4,3	18,9	371	<b>4</b>	64,4	6,3	15,6	13,6	410
<b>2-1</b>	79,8	6,3	9,7	4,2	331	<b>6-2</b>	63,7	6,3	23,2	6,8	414
3	73,5	5,8	8,9	11,7	359	<b>4</b>	59,7	5,9	21,7	12,7	442
<b>4-1</b>	72,7	5,8	17,6	3,9	363	<b>7-2</b>	61,4	6,0	26,0	6,5	430
5-1	69,6	5,5	21,1	3,7	379	<b>22-27-1-1</b>	82,2	8,4	5,0	4,4	321
3	64,9	5,1	19,7	10,3	407	<b>3</b>	75,6	7,7	4,6	12,0	349
<b>22-22-1-2</b>	80,0	6,7	4,8	8,5	330	<b>2-1</b>	78,3	8,0	9,5	4,2	337
4	73,8	6,1	4,5	15,6	358	<b>5</b>	67,2	6,9	8,1	17,8	393
<b>2-2</b>	76,3	6,3	9,2	8,1	346	<b>3-1</b>	74,8	7,6	13,6	4,0	353
4	70,6	5,9	8,5	15,0	374	<b>4-1</b>	71,5	7,3	17,3	3,8	369
<b>3-2</b>	72,9	6,1	13,3	7,7	362	<b>5-1</b>	68,8	7,0	20,8	3,4	385
4	67,7	5,6	12,3	14,4	390	<b>22-28-1-2</b>	78,6	8,3	4,8	8,3	336
<b>4-2</b>	69,8	5,8	16,9	7,4	378	<b>2-2</b>	75,0	7,9	9,1	7,9	352

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
22—28—2—6	64.7	6.9	7.8	20.6	405	22—44—10—2	53.2	8.9	32.3	5.6	496
3—2	71.7	7.6	13.0	7.6	303	22—45—1—1	77.0	13.3	4.7	4.1	339
4	66.7	7.1	12.1	14.1	396	2—1	74.4	12.7	9.0	3.9	355
4—2	68.7	7.3	16.7	7.3	384	22—46—1—2	74.6	13.0	4.5	7.9	354
5—2	66.0	7.0	20.0	7.0	400	2—2	71.3	12.4	8.6	7.6	370
8—2	58.9	6.2	28.6	6.2	448	22—58—4—4	59.7	13.1	14.5	12.7	442
6	52.4	5.6	25.4	16.6	504	23—12—18—6	41.8	1.8	43.6	12.7	660
10—2	55.0	5.8	33.3	5.8	480	23—13—1—1	86.5	4.1	5.0	4.4	319
22—29—1—1	81.7	9.0	4.9	4.3	323	3	79.5	3.7	4.6	12.1	347
2—1	77.9	8.6	9.4	4.1	339	3—1	78.6	3.7	13.7	4.0	351
5—1	68.2	7.5	20.7	3.6	387	23—14—3—2	75.4	3.8	13.1	7.6	366
22—30—1—2	78.1	8.9	4.7	8.3	338	4—2	72.3	3.7	16.7	7.3	382
2—2	74.6	8.5	9.0	7.9	354	6—4	62.4	3.2	21.7	12.7	442
4	69.1	7.8	8.4	14.7	382	6	58.7	3.0	20.4	17.9	470
3—2	71.3	8.1	13.0	7.6	370	16—8	42.0	2.1	38.9	17.0	658
4—4	63.8	7.2	15.4	13.5	414	23—15—1—1	86.0	4.7	5.0	4.3	321
6—4	59.2	6.7	21.5	12.6	446	2—1	81.9	4.4	9.5	4.1	337
22—31—1—1	81.2	9.5	4.9	4.3	325	2—3	75.6	4.1	8.8	11.5	365
2—1	77.4	9.1	9.4	4.1	341	3—1	78.2	4.2	13.6	4.0	353
3—5	63.9	7.5	11.6	16.9	413	4—1	74.7	4.1	17.3	3.8	369
23—32	1—2	77.6	9.4	4.7	8.2	3	69.5	3.8	16.1	10.6	397
2—2	74.1	9.0	9.0	7.9	356	5	64.9	3.5	15.1	16.5	425
4—4	63.5	7.7	15.4	13.4	416	8—7	53.4	2.9	24.7	19.0	517
22—33—1—1	80.7	10.1	4.9	4.3	327	23—16—1—2	82.1	4.8	4.8	8.3	336
2—1	77.0	9.6	9.3	4.1	343	4	75.8	4.4	4.4	15.4	364
3—1	73.5	9.2	13.4	3.9	359	2—2	78.4	4.5	9.1	7.9	352
4—1	70.4	8.8	17.1	3.7	375	4	72.6	4.2	8.4	14.7	380
5—1	67.5	8.4	20.5	3.6	391	3—2	75.0	4.3	13.0	7.6	368
22—34—1—2	77.2	9.9	4.7	8.2	342	4	69.7	4.0	12.1	14.1	396
2—2	73.8	9.5	8.9	7.8	358	4—2	71.9	4.2	16.6	7.3	384
22—35—1—1	80.3	10.6	4.9	4.2	329	4	67.0	3.9	15.5	13.6	412
2—1	76.1	10.1	9.3	4.0	345	6—2	66.3	3.8	23.1	6.7	416
4—1	70.0	9.3	17.0	3.7	377	23—17—1—1	85.4	5.3	4.9	4.3	323
6—1	64.5	8.6	23.5	3.4	409	3	78.7	4.8	4.6	11.9	351
22—36—1—2	76.7	10.5	4.6	8.1	344	2—1	81.4	5.0	9.4	4.1	339
2—2	73.3	10.0	8.9	7.8	360	3	75.2	4.6	8.7	11.4	367
22—37—1—1	79.8	11.2	4.8	4.2	331	3—1	77.8	4.8	13.5	3.9	355
2—1	76.1	10.7	9.2	4.0	347	3	72.1	4.4	12.5	11.0	383
22—38—1—2	76.3	11.0	4.6	8.1	346	5—1	71.3	4.4	20.7	3.6	387
2—2	72.9	10.5	8.8	7.7	362	23—18—1—2	81.6	5.3	4.7	8.3	338
3—2	69.8	10.1	12.7	7.4	378	4	75.4	4.9	4.4	15.3	366
4—2	67.0	9.6	16.2	7.1	394	2—2	78.0	5.1	9.0	7.9	354
9—20	36.4	5.2	19.8	38.6	726	4	72.3	4.7	8.4	14.6	382
22—39—1—1	79.3	11.7	4.8	4.2	333	3—2	74.6	4.9	12.9	7.6	370
2—1	75.6	11.2	9.1	4.0	349	4—2	71.5	4.7	16.5	7.2	386
22—40—1—2	75.9	11.5	4.6	8.0	348	9—8	50.2	3.3	26.2	20.3	550
2—2	72.5	11.0	8.8	7.7	364	11—4	52.5	3.4	33.2	10.6	526
22—41—1—1	78.8	12.2	4.8	4.2	335	23—19—1—1	84.9	5.8	4.9	4.3	325
2—1	75.2	11.7	9.1	4.0	351	3	68.2	5.4	4.5	11.9	353
4—1	68.9	10.7	16.7	3.7	383	2—1	80.9	5.6	4.1	9.4	341
22—42—1—2	75.4	12.0	4.6	8.0	350	3	74.8	5.1	8.6	11.4	369
2—2	72.1	11.4	8.7	7.7	366	4—1	74.0	5.1	17.2	3.7	373
4—2	66.3	10.5	16.1	7.0	398	3	68.8	4.7	16.0	10.5	401
22—43—1—1	78.3	12.8	4.7	4.2	337	5—1	70.9	4.9	20.6	3.6	389
2—1	74.8	12.2	9.1	3.9	353	6—1	68.1	4.7	23.7	3.4	405
3—1	71.5	11.6	13.0	3.8	369	23—20—1—2	81.2	5.9	4.7	8.2	340
22—44—1—2	75.0	12.5	4.5	8.0	352	2—2	77.5	5.6	9.0	7.9	356
2—2	71.7	12.0	8.7	7.6	368	3—2	74.2	5.4	12.9	7.5	372
3—2	68.7	11.5	12.5	7.3	384	4—2	71.1	5.2	16.5	7.2	388

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>23-20-4-4</b>	66,3	4,8	15,4	13,5	416	<b>23-27-2-1</b>	79,1	7,7	9,2	4,0	349
5-2	68,3	4,9	19,8	6,9	404	<b>4-1</b>	72,4	7,1	16,8	3,7	381
12-8	46,0	3,3	32,0	18,7	600	3	67,5	6,6	15,6	10,2	409
<b>23-21-1-1</b>	84,4	6,4	4,9	4,3	327	<b>5-1</b>	69,5	6,8	20,1	3,5	397
3	77,7	5,9	4,5	11,8	355	<b>6-1</b>	66,8	6,5	23,2	3,4	413
<b>2-1</b>	80,4	6,1	9,3	4,1	343	3	62,6	6,1	21,8	9,5	441
3	74,4	5,7	8,6	11,3	371	7-1	64,3	6,3	26,1	3,3	429
3-3	71,3	5,4	12,4	10,8	387	3	60,4	5,9	24,4	9,2	457
4-1	73,6	5,6	17,1	3,6	375	<b>8-1</b>	62,0	6,1	28,8	3,1	445
6-3	63,4	4,8	22,1	9,7	435	<b>23-28-1-2</b>	79,3	8,0	4,6	8,0	348
<b>23-22-1-2</b>	80,7	6,4	4,7	8,2	342	<b>2-2</b>	75,8	7,7	8,8	7,7	364
4	74,6	5,9	4,3	15,1	370	4	70,4	7,1	8,2	14,3	302
<b>2-2</b>	77,1	6,1	8,9	7,8	358	<b>3-2</b>	72,6	7,4	12,6	7,4	380
4	71,5	5,7	8,3	14,5	386	<b>4-2</b>	69,7	7,1	16,1	7,1	396
3-2	73,8	5,9	12,8	7,5	374	<b>5-2</b>	67,0	6,8	19,4	6,8	412
4	68,6	5,5	11,9	13,9	402	<b>6-2</b>	64,5	6,5	22,4	6,5	428
<b>4-2</b>	70,8	5,6	16,4	7,2	390	<b>7-2</b>	62,1	6,3	25,2	6,3	444
4	66,0	5,3	15,3	13,4	418	<b>8-2</b>	60,0	6,1	27,8	6,1	460
<b>8-2</b>	60,8	4,8	28,2	6,2	454	<b>23-29-1-1</b>	82,4	8,6	4,8	4,2	335
<b>23-23-1-1</b>	83,9	7,0	4,9	4,2	320	<b>2-1</b>	78,7	8,2	9,1	4,0	351
3	77,3	6,4	4,5	11,8	357	3	72,8	7,6	8,4	11,1	379
2-1	80,0	6,7	9,3	4,0	345	5	67,8	7,1	7,9	17,2	407
3	74,0	6,2	8,6	11,2	373	<b>4-1</b>	72,1	7,6	16,7	3,6	383
3-1	76,4	6,4	13,3	3,9	361	<b>5-1</b>	69,2	7,3	20,0	3,5	399
5-1	70,2	5,8	20,3	3,6	393	<b>9-1</b>	59,6	6,3	31,1	3,0	463
6-1	67,5	5,6	23,5	3,4	409	<b>11-1</b>	55,7	5,9	35,6	2,8	495
<b>23-24-1-2</b>	80,2	7,0	4,6	8,1	344	<b>23-30-1-2</b>	78,8	8,6	4,6	8,0	350
4	74,2	6,4	4,3	15,1	372	<b>2-2</b>	75,4	8,2	8,7	7,6	366
<b>2-2</b>	76,7	6,6	8,9	7,8	360	<b>3-2</b>	72,3	7,8	12,6	7,3	382
4	71,1	6,2	8,2	14,4	388	<b>4-2</b>	69,4	7,5	16,1	7,0	398
6	66,3	5,8	7,7	20,2	416	<b>5-2</b>	66,6	7,2	19,3	6,8	414
3-2	73,4	6,4	12,8	7,4	376	<b>23-31-1-1</b>	81,9	9,2	4,7	4,1	337
<b>4-2</b>	70,4	6,1	16,3	7,1	392	<b>2-1</b>	78,2	8,8	9,1	3,9	353
4	65,7	5,7	15,2	13,3	420	<b>4-1</b>	71,7	8,0	16,6	3,6	385
5-2	67,6	5,9	19,6	6,9	408	<b>23-32-1-2</b>	78,4	9,1	7,9	3,9	352
6-6	57,5	5,0	20,0	17,5	480	<b>2-2</b>	75,0	8,7	8,7	7,6	368
8-4	57,0	5,0	26,4	11,6	184	<b>4-2</b>	69,0	8,0	16,0	7,0	400
<b>23-25-1-1</b>	83,4	7,6	4,8	4,2	331	<b>23-33-1-1</b>	81,4	9,7	4,7	4,1	339
5	71,3	6,5	4,1	18,1	387	<b>2-1</b>	77,8	9,3	9,0	3,9	355
2-1	79,5	7,2	9,2	4,0	347	<b>8-3</b>	57,6	6,9	26,7	8,8	479
3	73,6	6,7	8,5	11,2	375	<b>23-34-1-2</b>	78,0	9,6	4,5	7,9	354
3-1	76,0	6,9	13,2	3,9	363	<b>2-2</b>	74,6	9,2	8,7	7,5	370
3	70,6	6,4	12,3	10,7	391	<b>23-35-1-1</b>	80,9	10,3	4,7	4,1	341
4-1	72,8	6,6	16,9	3,7	379	<b>2-1</b>	77,3	9,8	9,0	3,9	357
5-1	69,9	6,3	20,2	3,5	395	<b>23-36-1-2</b>	77,5	10,1	4,5	7,9	356
6-1	67,1	6,1	23,4	3,4	411	<b>2-2</b>	74,2	9,7	8,6	7,5	372
3	62,9	5,7	21,9	9,5	439	<b>3-2</b>	71,1	9,3	12,4	7,2	388
5	59,1	5,4	20,5	15,0	467	<b>23-37-1-1</b>	80,4	10,8	4,7	4,1	343
8-1	62,3	5,6	28,9	3,2	443	<b>2-1</b>	76,9	10,3	8,9	3,9	359
<b>23-26-1-2</b>	79,8	7,5	4,6	8,1	346	<b>23-38-1-2</b>	77,1	10,6	4,5	7,8	358
2-2	76,2	7,2	8,8	7,7	362	<b>2-2</b>	73,8	10,1	8,6	7,5	374
3-2	73,0	6,9	12,7	7,4	378	<b>3-2</b>	70,8	9,7	12,3	7,2	390
<b>4-2</b>	70,1	6,6	16,2	7,1	394	<b>6-4</b>	59,2	8,2	20,6	12,0	466
4	65,4	6,2	15,1	13,3	422	<b>23-39-1-1</b>	80,0	11,3	4,6	4,1	345
5-2	67,3	6,3	19,5	6,8	410	<b>2-1</b>	76,4	10,8	8,9	3,9	361
6-2	64,8	6,1	22,5	6,6	426	<b>23-40-1-2</b>	76,7	11,1	4,4	7,8	360
7-2	62,4	5,9	25,3	6,3	442	<b>2-2</b>	73,4	10,6	8,5	7,4	376
<b>23-27-1-1</b>	82,9	8,1	4,8	4,2	333	<b>23-41-1-1</b>	79,5	11,8	4,6	4,0	347
3	76,5	7,5	4,4	11,6	361	<b>2-1</b>	76,0	11,3	8,8	3,9	363

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
23—42—1—2	76,2	11,6	4,4	7,7	362	24—18—2—4	73,1	4,6	8,1	14,2	394
2—2	73,0	11,1	8,4	7,4	378	3—2	75,4	4,7	12,6	7,3	382
23—43—1—1	79,1	12,3	4,6	4,0	349	4	70,2	4,4	11,7	13,6	410
2—1	75,6	11,8	8,8	3,8	365	6	65,8	4,1	10,9	19,2	438
23—44—1—2	75,8	12,1	4,4	7,7	364	4—2	72,4	4,5	16,1	7,0	398
2—2	72,6	11,6	8,4	7,4	350	4	67,0	4,2	15,0	13,1	426
23—45—1—1	78,7	12,8	4,5	4,0	351	5—2	69,6	4,3	19,3	6,8	414
2—1	75,2	12,3	8,7	3,8	367	6—2	67,0	4,2	22,3	6,5	430
7—1	61,7	10,1	25,1	3,1	447	6	59,3	3,7	19,7	17,3	486
23—46—1—2	75,4	12,6	4,4	7,6	366	7—2	64,6	4,0	25,1	6,3	446
2—2	72,3	12,0	8,4	7,3	382	14—8	44,8	2,8	34,9	17,4	642
23—47—1—1	78,2	13,3	4,5	4,0	353	24—19—1—1	85,4	5,6	4,7	4,2	337
2—1	74,8	12,7	8,7	3,8	369	3	78,9	5,2	4,4	11,5	365
23—48—1—2	75,0	13,0	4,3	7,6	368	5	73,3	4,8	4,1	17,8	393
2—2	71,0	12,5	8,3	7,3	384	2—1	81,6	5,4	9,1	3,9	353
24—10—19	80,3	1,4	42,6	15,7	714	3	75,0	5,0	8,4	11,0	381
24—12—1—2	83,7	3,5	4,6	8,1	344	3—1	78,0	5,1	13,0	3,8	369
18—10	39,6	1,6	39,9	19,2	728	3	72,5	4,8	12,1	10,6	397
24—13—4—1	76,0	3,4	16,9	3,7	379	5	67,7	4,5	11,3	16,5	425
24—14—1—2	83,3	4,0	4,6	8,1	346	4—5	84,5	5,6	19,8	20,5	441
2—2	79,6	3,9	8,8	7,7	362	5—1	71,8	4,7	20,0	3,5	401
8—2	62,9	3,1	27,9	6,1	458	6—1	69,1	4,6	23,0	3,3	417
4	59,2	2,9	26,3	11,5	486	12—21	36,3	2,4	24,2	37,1	793
11—2	56,9	2,8	34,8	5,5	506	24—20—1—2	81,8	5,7	4,5	8,0	352
16—8	43,0	2,1	35,1	16,7	670	4	75,8	5,3	4,2	14,7	380
24—15—1—3	79,8	4,2	4,4	11,6	361	2—2	78,3	5,4	8,7	7,6	368
3—1	78,9	4,1	13,1	3,8	365	4	72,7	5,0	8,1	14,1	396
3	73,3	3,8	12,2	10,7	393	3—2	75,0	5,2	12,5	7,3	384
5—3	67,8	3,5	18,8	9,9	425	4—2	72,0	5,0	16,0	7,0	400
6—3	65,3	3,4	21,8	9,5	441	5—2	69,2	4,8	19,2	6,7	416
7—3	63,0	3,3	24,5	9,2	457	18	45,0	3,1	12,5	39,4	640
8—5	57,5	3,0	25,5	14,0	501	6—2	66,7	4,6	22,2	6,5	432
9—3	58,9	3,1	29,4	8,6	489	7—2	64,3	4,5	25,0	0,2	448
10—11	46,7	2,4	25,9	25,0	617	9—2	60,0	4,2	30,0	5,8	480
24—16—2—2	79,1	4,4	8,8	7,7	364	10—6	52,2	3,6	29,0	15,2	552
3—2	75,8	4,2	12,6	7,4	380	19—6	41,4	2,9	43,6	12,1	796
4	70,6	3,9	11,8	13,7	408	24—21—1—1	85,0	6,2	4,7	4,1	339
4—2	72,7	4,0	16,2	7,1	396	3	78,5	5,7	4,4	11,4	367
4	67,9	3,8	15,1	13,2	424	5	72,9	5,3	4,0	17,7	395
5—4	65,4	3,6	18,2	12,7	440	2—1	81,1	5,9	9,0	3,9	355
6—4	63,1	3,5	21,0	12,4	456	3	75,2	5,5	8,4	10,9	383
7—4	61,0	3,4	23,7	11,9	472	3—1	77,6	5,6	12,9	3,8	371
8—6	55,8	3,1	24,8	16,3	510	3	72,2	5,3	12,0	10,5	399
9—6	54,1	3,0	27,1	15,8	532	7	63,3	4,6	10,6	21,5	455
10—6	52,6	2,9	29,2	15,3	548	4—1	74,4	5,4	16,5	3,6	387
24—17—1—1	86,0	5,0	4,8	4,2	335	5—1	71,4	5,2	19,8	3,5	403
3	79,3	4,7	4,4	11,6	363	6—1	68,7	5,0	22,9	3,4	419
2—3	76,0	4,5	8,4	11,1	379	3	64,4	4,7	21,5	9,4	447
3—1	78,5	4,6	13,1	3,8	367	7—3	62,2	4,5	21,2	9,1	463
4—1	75,2	4,4	16,7	3,7	383	4	75,4	5,7	4,2	14,7	382
3	70,1	4,1	15,6	10,2	411	2—2	77,8	5,9	8,6	7,6	370
5	65,6	3,9	14,0	15,9	439	3—2	74,6	5,7	12,4	7,2	386
5—7	59,6	3,5	16,6	20,3	483	4	69,6	5,3	11,6	13,5	414
6—5	61,1	3,6	20,4	14,9	471	4—2	71,6	5,5	15,9	7,0	402
7—5	59,1	3,5	23,0	14,4	487	4	67,0	5,1	14,9	13,0	430
24—18—1—2	82,3	5,1	4,6	8,0	350	5—2	68,9	5,3	19,1	6,7	418
4	76,2	4,8	4,2	14,8	378	6—2	66,3	5,1	22,1	6,5	434
6	70,9	4,4	3,9	20,7	406	4	62,3	4,8	20,8	12,1	462
2—2	78,7	4,9	8,7	7,6	366						

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>24-22-6-18</b>	43,8	3,3	14,6	38,3	658	<b>24-28-4-4</b>	66,1	6,4	14,7	12,8	436
<b>7-2</b>	64,0	4,9	24,9	6,2	450	<b>6-2</b>	65,5	6,3	21,8	6,3	440
<b>4</b>	60,2	4,6	23,4	11,7	478	<b>8-4</b>	57,6	5,6	25,6	11,2	500
<b>12-2</b>	54,3	4,2	36,2	5,3	530	<b>9-2</b>	59,0	5,7	29,5	5,7	488
<b>24-23-1-1</b>	84,5	6,7	4,7	4,1	341	<b>24-29-1-1</b>	83,0	8,3	4,6	4,0	347
<b>2-1</b>	80,7	6,4	9,0	3,9	357	<b>3</b>	76,8	7,7	4,3	11,2	375
<b>3</b>	74,8	6,0	8,3	10,9	385	<b>2-1</b>	79,3	8,0	8,8	3,9	363
<b>5</b>	69,7	5,6	7,7	17,9	413	<b>4-3</b>	68,1	6,8	15,1	9,9	423
<b>3-1</b>	77,2	6,2	12,9	3,7	373	<b>7-1</b>	65,0	6,6	25,3	3,1	443
<b>3</b>	71,8	5,7	12,0	10,5	401	<b>8-1</b>	62,7	6,3	27,9	3,0	459
<b>4-1</b>	74,0	5,9	16,4	3,6	389	<b>42-11</b>	25,2	2,5	58,8	13,5	1143
<b>3</b>	69,1	5,5	15,3	10,1	417	<b>24-30-1-2</b>	79,6	8,3	4,4	7,7	362
<b>6-3</b>	64,1	5,1	21,4	9,4	449	<b>2-2</b>	76,2	7,9	8,5	7,4	378
<b>8-1</b>	63,6	5,1	28,2	3,1	453	<b>3-2</b>	73,1	7,6	12,2	7,1	394
<b>24-24-1-2</b>	80,9	6,7	4,5	7,9	356	<b>4</b>	68,2	7,1	11,4	13,3	422
<b>4</b>	75,0	6,2	4,2	14,6	384	<b>6</b>	64,0	6,7	10,7	18,6	450
<b>2-2</b>	77,4	6,4	8,6	7,5	372	<b>4-2</b>	70,2	7,3	15,6	6,8	410
<b>6</b>	67,3	5,6	7,5	19,6	428	<b>4</b>	65,7	6,8	14,6	12,8	438
<b>3-2</b>	74,2	6,2	12,4	7,2	388	<b>5-2</b>	67,6	7,0	18,8	6,6	426
<b>4</b>	69,2	5,8	11,5	13,5	416	<b>6-2</b>	65,2	6,8	21,7	6,3	442
<b>6</b>	64,9	5,4	10,8	18,9	444	<b>8-4</b>	57,4	6,0	25,5	11,1	502
<b>4-4</b>	66,7	5,6	14,8	12,9	432	<b>24-31-1-1</b>	82,5	8,9	4,6	4,0	349
<b>6</b>	62,6	5,2	13,9	18,3	460	<b>2-1</b>	78,9	8,5	8,8	3,8	365
<b>6-4</b>	62,1	5,2	20,7	12,0	464	<b>6-1</b>	67,1	7,2	22,4	3,3	429
<b>6</b>	58,5	4,9	19,5	17,1	492	<b>24-32-1-2</b>	79,1	8,8	4,4	7,7	364
<b>8-2</b>	61,6	5,1	27,3	6,0	468	<b>2-2</b>	75,8	8,4	8,4	7,3	380
<b>11-2</b>	55,8	4,6	34,1	5,4	516	<b>4-2</b>	69,9	7,8	15,5	6,8	412
<b>24-25-1-1</b>	83,9	7,3	4,6	4,1	343	<b>9-4</b>	55,4	6,1	27,7	10,8	520
<b>3</b>	77,6	6,7	4,3	11,3	371	<b>24-33-1-1</b>	82,1	9,4	4,5	4,0	351
<b>3-1</b>	76,8	6,7	12,8	3,7	375	<b>2-1</b>	78,5	9,0	8,7	3,8	367
<b>4-1</b>	73,6	6,4	16,4	3,6	391	<b>24-34-1-2</b>	78,7	9,3	4,4	7,6	366
<b>5-1</b>	70,8	6,1	19,7	3,4	407	<b>2-2</b>	75,3	8,9	8,4	7,3	382
<b>8-1</b>	68,1	5,8	22,7	3,3	423	<b>12-6</b>	48,1	5,7	32,1	14,0	598
<b>8-1</b>	63,3	5,5	28,1	3,1	455	<b>24-35-1-1</b>	81,6	9,9	4,5	4,0	353
<b>16-1</b>	49,4	4,3	43,9	2,4	583	<b>3-1</b>	78,0	9,5	8,7	3,8	369
<b>24-26-1-2</b>	80,4	7,2	4,5	7,8	358	<b>24-36-1-2</b>	78,3	9,8	4,3	7,6	368
<b>4</b>	74,6	6,7	4,1	14,5	386	<b>2-2</b>	75,0	9,4	8,3	7,3	384
<b>2-2</b>	77,0	6,9	8,5	7,5	374	<b>8-2</b>	60,0	7,5	26,7	5,8	480
<b>4</b>	71,6	6,5	8,0	13,9	402	<b>24-37-1-1</b>	81,1	10,4	4,5	3,9	355
<b>3-2</b>	73,8	6,7	12,3	7,2	390	<b>2-1</b>	77,6	10,0	8,6	3,8	371
<b>4-2</b>	70,9	6,4	15,8	6,9	406	<b>5-3</b>	64,4	8,3	17,9	9,4	447
<b>5-2</b>	68,2	6,2	18,9	6,6	422	<b>9-1</b>	59,6	7,7	29,8	2,9	483
<b>4</b>	64,9	5,8	17,8	12,4	450	<b>24-38-1-2</b>	77,8	10,2	4,3	7,6	370
<b>6-2</b>	65,7	5,9	21,9	6,4	438	<b>2-2</b>	74,6	9,8	8,3	7,2	386
<b>4</b>	61,8	5,6	20,6	12,0	466	<b>24-39-1-1</b>	80,7	10,9	4,5	3,9	357
<b>7-8</b>	53,5	4,8	20,8	20,8	538	<b>2-1</b>	77,2	10,4	8,6	3,7	373
<b>8-4</b>	57,8	5,2	25,7	11,2	498	<b>10-1</b>	57,5	7,8	21,9	2,8	501
<b>24-27-1-1</b>	83,5	7,8	4,6	4,1	345	<b>24-40-1-2</b>	77,4	10,7	4,3	7,5	372
<b>2-1</b>	79,8	7,5	8,8	3,9	361	<b>2-2</b>	74,2	10,3	8,2	7,2	388
<b>3</b>	74,0	6,9	8,2	10,8	389	<b>3-2</b>	71,3	9,9	11,9	6,9	404
<b>3-1</b>	76,4	7,2	12,7	3,7	377	<b>10-6</b>	50,3	7,0	28,0	14,7	572
<b>4-1</b>	73,2	6,9	16,3	3,6	393	<b>15-6</b>	44,2	6,1	36,8	12,9	652
<b>5-1</b>	70,4	6,6	19,6	3,3	409	<b>24-41-1-1</b>	80,2	11,4	4,5	3,9	359
<b>7-1</b>	65,3	6,1	25,4	3,2	441	<b>2-1</b>	76,8	10,9	8,5	3,7	375
<b>13-3</b>	51,0	4,8	36,8	7,4	565	<b>4-1</b>	60,8	10,1	15,7	3,4	407
<b>24-28-1-2</b>	80,0	7,8	4,4	7,8	360	<b>9-1</b>	59,1	8,4	29,6	2,9	487
<b>2-2</b>	76,6	7,4	8,5	7,4	376	<b>24-42-1-2</b>	77,0	11,2	4,3	7,5	374
<b>4</b>	71,3	6,9	7,9	13,9	404	<b>2-2</b>	73,8	10,8	8,2	7,2	390
<b>4-2</b>	70,6	6,8	15,7	6,8	408	<b>12-6</b>	47,5	6,9	31,7	13,8	606

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
24—43—1—1	79.8	11.9	4.4	3.9	361	25—21—1—3	79.1	5.5	4.2	11.1	379
2—1	76.4	11.4	8.5	3.7	377	2—1	81.7	5.7	8.7	3.8	367
24—44—1—2	76.6	11.7	4.3	7.4	376	3	75.9	5.3	8.1	10.6	395
2—2	73.4	11.2	8.2	7.1	392	5	70.9	5.0	7.6	16.5	423
24—45—1—1	79.3	12.4	4.4	3.9	363	3—1	78.3	5.5	12.5	3.7	383
2—1	76.0	11.9	8.4	3.7	379	3	73.0	5.1	11.7	10.2	411
24—46—1—2	76.2	12.2	4.2	7.4	378	4—3	70.3	4.9	15.0	9.8	427
2—2	73.1	11.7	8.1	7.1	394	5—1	72.3	5.0	19.3	3.4	415
24—47—1—1	78.9	12.9	4.4	3.8	365	25—22—1—2	82.0	6.0	4.4	7.6	366
2—1	75.6	12.6	8.4	3.6	381	2—2	78.5	5.8	8.4	7.3	382
3—1	72.5	11.8	12.1	3.5	397	3—2	75.4	5.5	12.1	7.0	398
24—48—1—2	75.8	12.6	4.2	7.4	380	6—2	67.3	4.9	21.5	6.3	446
2—2	72.7	12.1	8.1	7.1	396	25—23—1—1	85.0	6.5	4.5	4.0	353
24—49—1—1	78.5	13.4	4.3	3.8	367	5	73.4	5.6	3.9	17.1	409
2—1	75.2	12.8	8.4	3.6	383	2—1	81.3	6.2	8.7	3.8	369
24—50—1—2	75.4	13.1	4.2	7.3	382	3	75.6	5.8	8.0	10.6	397
2—2	72.3	12.6	8.0	7.1	398	3—1	77.9	6.0	12.5	3.6	385
25—14—8—6	57.0	2.7	24.3	16.0	526	4—1	74.8	5.7	15.9	3.5	401
17—8	43.0	2.0	39.0	16.0	698	5—1	71.9	5.5	19.2	3.4	417
25—15—1—1	87.0	4.3	4.6	4.1	345	7—3	62.9	4.8	23.5	8.8	477
2—1	83.1	4.1	8.9	3.9	361	25—24—1—2	81.5	6.5	4.3	7.6	368
4—1	76.3	3.8	16.3	3.5	393	2—2	78.1	6.2	8.3	7.3	384
25—16—1—2	83.3	4.4	4.4	7.8	360	4—2	72.1	5.8	15.4	6.7	416
2—2	79.8	4.3	8.5	7.4	376	4	67.6	5.4	14.4	12.6	444
3—2	76.5	4.1	12.2	7.1	392	25—25—1—1	84.5	7.0	4.5	3.9	355
4—4	68.8	3.7	14.7	12.8	436	3	78.3	6.5	4.2	11.0	383
8—4	60.0	3.2	25.6	11.2	500	2—1	80.8	6.7	8.6	3.8	371
10—6	53.6	2.8	28.6	15.0	560	3—3	72.3	6.0	11.6	10.1	415
25—17—1—1	86.5	4.9	4.6	4.0	347	4—1	74.4	6.2	15.9	3.5	403
3	80.0	4.5	4.3	11.2	375	3	69.6	5.8	14.8	9.7	431
2—1	82.6	4.7	8.8	3.9	363	7—1	66.5	5.5	24.8	3.1	451
3	76.7	4.3	8.2	10.7	391	25—26—1—2	81.1	7.0	4.3	7.6	370
25—18—1—2	82.9	5.0	4.4	7.7	362	2—2	77.8	6.7	8.3	7.2	386
4	76.9	4.6	4.1	14.4	390	3—2	74.6	6.5	11.9	7.0	402
2—2	79.4	4.8	8.4	7.4	378	4	69.8	6.0	11.2	13.0	430
4	73.9	4.4	7.9	13.8	406	4—2	71.8	6.2	15.3	6.7	418
3—4	71.1	4.2	11.4	13.3	422	5—2	69.1	6.0	18.4	6.4	434
4—2	73.2	4.4	15.6	6.8	410	25—27—1—1	84.0	7.6	4.5	3.9	357
4	68.5	4.1	14.6	12.8	438	5	72.6	6.5	3.9	16.9	413
5—4	66.1	4.0	17.6	12.3	454	2—1	80.4	7.2	8.6	3.7	373
6—4	63.8	3.8	20.4	11.9	470	3	74.8	6.7	8.0	10.5	401
25—19—1—1	85.9	5.4	4.6	4.0	349	4—1	74.1	6.7	15.8	3.4	405
3	79.6	5.0	4.2	11.1	377	6—1	68.6	6.2	22.0	3.2	437
2—1	82.2	5.2	8.8	3.8	365	25—28—1—2	80.6	7.5	4.3	7.5	372
3	76.3	4.8	8.1	10.7	393	2—2	77.3	7.2	8.2	7.2	388
5	71.2	4.5	7.6	16.6	421	4—8	59.5	5.6	12.7	22.2	504
3—1	78.7	5.0	12.6	3.7	381	5—2	68.8	6.4	18.3	6.1	436
4—1	75.6	4.8	16.1	3.5	397	7—2	64.1	6.0	23.9	6.0	468
3	70.6	4.5	15.0	9.9	425	25—29—1—1	83.6	8.1	4.4	3.9	359
6—1	69.9	4.4	22.4	3.3	429	3	77.5	7.5	4.1	10.9	387
25—20—1—2	82.4	5.5	4.4	7.7	364	2—1	80.0	7.7	8.5	3.7	375
4	76.5	5.1	4.1	14.3	392	3	74.4	7.2	7.9	10.4	403
6	71.4	4.8	3.8	20.0	420	4—3	69.0	6.7	14.7	9.6	435
2—2	78.9	5.3	8.4	7.1	380	7—3	62.1	6.0	23.2	8.7	483
4	73.5	4.9	7.8	13.7	408	25—30—1—2	80.2	8.0	4.3	7.5	374
4—2	72.8	4.8	15.5	6.8	412	4	74.6	7.5	4.0	13.9	402
7—6	58.1	3.9	21.7	16.3	516	2—2	76.9	7.7	8.2	7.2	390
8—8	53.6	3.6	22.8	20.0	560	3—2	73.9	7.4	11.8	6.9	406
25—21—1—1	85.5	6.0	4.5	4.0	351	4—4	66.7	6.7	14.2	12.4	450

C	H	O	N	C%	H%	O%	N%	M.G.	C	H	O	N	C%	H%	O%	N%	M.G.
<b>25-30-5-2</b>	68,5	6,8	18,3	6,4	438				<b>25-51-1-1</b>	78,7	13,4	4,2	3,7	381			
6	60,7	6,1	16,2	7,0	494				<b>2-1</b>	75,6	12,8	8,1	3,5	397			
<b>6-2</b>	66,1	6,6	21,1	6,2	454				<b>25-52-1-2</b>	75,7	13,1	4,0	7,1	396			
<b>25-31-1-1</b>	83,1	8,6	4,4	3,9	361				<b>2-2</b>	72,8	12,6	7,8	6,8	412			
3	77,1	8,0	4,1	10,8	389				<b>3-2</b>	70,1	12,1	11,2	6,5	428			
<b>2-1</b>	79,6	8,2	8,5	3,7	377				<b>4-8</b>	56,8	9,8	12,1	21,2	528			
3-1	76,3	7,9	12,2	3,6	393				<b>25-54-4-2</b>	67,3	12,1	14,3	6,3	446			
<b>4-1</b>	73,3	7,6	15,6	3,4	409				<b>4</b>	63,3	11,4	13,5	11,8	474			
<b>5-1</b>	70,6	7,3	18,8	3,3	425				<b>6</b>	59,5	10,7	12,7	16,7	502			
<b>7-3</b>	61,9	6,4	23,1	8,6	485				<b>8</b>	56,6	10,2	12,1	21,1	530			
<b>8-1</b>	63,4	6,6	27,1	2,9	473				<b>26-15-6-1</b>	71,4	3,4	22,0	3,2	437			
<b>25-32-1-2</b>	79,8	8,5	4,2	7,4	376				<b>26-16-1-2</b>	83,9	4,3	4,3	7,5	372			
6	69,4	7,4	3,7	19,4	432				<b>2-2</b>	80,4	4,1	8,2	7,2	388			
<b>2-2</b>	76,5	8,2	8,2	7,1	392				<b>4-6</b>	65,6	3,4	13,4	17,6	476			
<b>5-2</b>	68,2	7,3	18,2	6,3	440				<b>6-4</b>	65,0	3,3	20,0	11,7	480			
<b>25-33-1-1</b>	82,6	9,1	4,4	3,9	363				<b>8-2</b>	64,5	3,3	26,4	5,8	484			
<b>2-1</b>	79,1	8,7	8,4	3,7	379				<b>4</b>	60,9	3,1	25,0	10,9	512			
<b>5-1</b>	70,3	7,7	18,7	3,3	427				<b>9-4</b>	59,1	3,0	27,3	10,6	528			
<b>25-34-1-2</b>	79,4	9,0	4,2	7,4	378				<b>10-4</b>	57,3	2,9	29,4	10,3	544			
<b>2-2</b>	76,1	8,6	8,1	7,1	394				<b>26-17-1-1</b>	86,9	4,7	4,5	3,9	359			
<b>5-2</b>	67,9	7,7	18,1	6,3	442				<b>3</b>	80,6	4,4	4,1	10,9	387			
<b>11-4</b>	53,0	6,0	7,3	15,9	439				<b>2-1</b>	83,2	4,5	8,5	3,7	375			
<b>25-35-1-1</b>	82,2	9,6	4,4	3,8	365				<b>3-5</b>	69,8	3,8	10,7	15,7	447			
<b>2-1</b>	78,7	9,2	8,4	3,7	381				<b>4-1</b>	76,7	4,2	15,7	3,4	407			
<b>25-36-1-2</b>	78,9	9,5	4,2	7,4	380				<b>7-3</b>	64,6	3,5	23,2	8,7	483			
<b>2-2</b>	75,7	9,1	8,1	7,1	396				<b>8-3</b>	62,5	3,4	25,6	8,4	499			
<b>25-37-1-1</b>	81,7	10,1	4,4	3,8	367				<b>26-18-1-2</b>	83,4	4,8	4,3	7,5	374			
<b>2-1</b>	78,3	9,7	8,4	3,6	383				<b>2-2</b>	80,0	4,6	8,2	7,2	390			
<b>25-38-1-2</b>	78,5	9,9	4,2	7,3	382				<b>3-2</b>	76,8	4,4	11,8	6,9	406			
<b>2-2</b>	75,4	9,5	8,0	7,0	398				<b>4-4</b>	69,3	4,0	14,2	12,4	450			
<b>25-39-1-1</b>	81,3	10,6	4,3	3,8	369				<b>5-4</b>	66,9	3,9	17,2	12,0	466			
<b>9-1</b>	62,4	8,1	26,6	2,9	481				<b>6-2</b>	68,7	3,9	21,1	6,2	454			
<b>25-1</b>	30,8	5,2	53,1	1,8	753				<b>4</b>	64,7	3,7	19,9	11,6	482			
<b>25-40-1-2</b>	78,1	10,4	4,2	7,3	384				<b>8-4</b>	60,7	3,5	24,9	10,9	514			
<b>2-2</b>	75,0	10,0	8,0	7,0	400				<b>26-19-1-1</b>	86,4	5,3	4,4	3,9	361			
<b>25-41-1-1</b>	80,8	11,0	4,3	3,8	371				<b>3</b>	80,2	4,9	4,1	10,8	389			
<b>2-1</b>	77,5	10,6	8,3	3,6	387				<b>2-1</b>	82,8	5,0	8,5	3,7	377			
<b>25-42-1-2</b>	77,7	10,9	4,1	7,3	386				<b>3-1</b>	79,4	4,8	12,2	3,6	393			
<b>2-2</b>	74,6	10,4	8,0	7,0	402				<b>3</b>	74,1	4,5	11,4	10,0	421			
<b>9-6</b>	52,6	7,4	25,3	14,7	570				<b>4-1</b>	76,3	4,6	15,6	3,4	409			
<b>25-43-1-1</b>	80,4	11,5	4,3	3,8	373				<b>4-2</b>	73,6	4,7	15,1	6,6	424			
<b>2-1</b>	77,1	11,0	8,2	3,6	389				<b>6</b>	65,0	4,2	13,3	17,5	480			
<b>25-44-1-2</b>	77,3	11,3	4,1	7,2	388				<b>6-6</b>	60,9	3,9	18,7	16,4	512			
<b>2-2</b>	74,2	10,9	7,9	6,9	404				<b>7-2</b>	66,1	4,2	23,7	5,9	472			
<b>4-2</b>	68,8	10,1	14,7	6,4	436				<b>26-21-1-1</b>	86,0	5,8	4,4	3,8	363			
<b>8</b>	57,7	8,5	12,3	21,5	520				<b>3</b>	79,8	5,4	4,1	10,7	391			
<b>25-45-1-1</b>	80,0	12,0	4,3	3,7	375				<b>2-1</b>	82,3	5,5	8,4	3,7	379			
<b>2-1</b>	76,7	11,5	8,2	3,6	391				<b>3</b>	76,7	5,2	7,8	10,3	407			
<b>25-46-1-2</b>	76,9	11,8	4,1	7,2	390				<b>4-3</b>	71,1	4,8	14,6	9,5	439			
<b>2-2</b>	73,9	11,3	7,9	6,9	406				<b>5</b>	66,8	4,5	13,7	15,0	467			
<b>25-47-1-1</b>	79,6	12,5	4,2	3,7	377				<b>26-22-1-2</b>	82,5	5,8	4,2	7,4	378			
<b>2-1</b>	76,3	12,0	8,1	3,6	393				<b>4</b>	76,8	5,4	3,9	13,8	406			
<b>25-48-1-2</b>	76,5	12,2	4,1	7,1	392				<b>6</b>	71,9	5,1	3,7	19,3	434			
<b>2-2</b>	73,4	11,8	7,8	6,9	408												
<b>25-49-1-1</b>	79,1	12,9	4,2	3,7	379												
<b>2-1</b>	75,9	12,4	8,1	3,5	395												
<b>25-50-1-2</b>	76,1	12,7	4,1	7,1	394												
<b>2-2</b>	73,2	12,2	7,8	6,8	410												

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>26—22—2—2</b>	79.2	5.6	8.1	7.1	394	<b>26—30—4—8</b>	60.2	5.8	12.4	21.6	518
4	73.9	5.2	7.6	13.3	422	<b>6—4</b>	63.1	6.1	19.4	11.3	494
3—2	76.1	5.4	11.7	6.8	410	<b>7—2</b>	64.7	6.2	23.2	5.8	482
<b>4—2</b>	73.2	5.2	15.0	6.6	426	<b>8—4</b>	59.3	5.7	24.3	10.6	526
4	68.7	4.8	14.1	12.3	454	<b>26—31—1—1</b>	83.6	8.3	4.3	3.7	373
5—2	70.5	5.0	18.1	6.3	442	3	77.8	7.7	4.0	10.5	401
6—4	64.2	4.5	19.7	11.5	486	<b>2—1</b>	80.2	8.0	8.2	3.6	389
7—2	65.8	4.6	23.6	5.9	474	3	74.8	7.4	7.7	10.1	417
<b>26—23—1—1</b>	85.5	6.3	4.4	3.8	365	<b>4—1</b>	74.1	7.4	15.2	3.3	421
3	79.4	5.8	4.1	10.7	393	<b>17—1</b>	49.6	4.9	43.2	2.2	629
<b>2—1</b>	81.9	6.0	8.4	3.7	381	<b>26—32—1—2</b>	80.4	8.2	4.1	7.2	388
3	76.3	5.6	7.8	10.3	409	<b>2—2</b>	77.2	7.9	7.9	6.9	404
3—3	73.3	5.4	11.3	9.9	425	<b>5—2</b>	69.0	7.1	17.7	6.2	452
<b>6—3</b>	66.0	4.8	20.3	8.9	473	<b>8—2</b>	62.4	6.4	25.6	5.6	500
<b>26—24—1—2</b>	82.1	6.3	4.2	7.4	380	<b>26—33—1—1</b>	83.2	8.8	4.3	3.7	375
<b>2—2</b>	78.8	6.0	8.1	7.1	396	3	77.4	8.2	4.0	10.4	403
4	73.6	5.7	7.5	13.2	424	<b>2—1</b>	79.8	8.4	8.2	3.6	391
6	69.0	5.3	7.1	18.6	452	<b>3—1</b>	76.7	8.1	11.8	3.4	407
<b>3—2</b>	75.7	5.8	11.6	6.8	412	<b>26—34—1—2</b>	80.0	8.7	4.1	7.2	390
<b>4—2</b>	72.9	5.6	15.0	6.5	428	<b>2—2</b>	76.8	8.4	7.9	6.9	406
<b>5—2</b>	70.3	5.4	18.0	16.3	444	<b>3—2</b>	73.9	8.1	11.4	6.6	422
<b>6—2</b>	68.8	5.2	20.9	6.1	460	<b>4—2</b>	71.2	7.7	14.6	6.4	438
<b>26—25—1—1</b>	85.0	6.8	4.4	3.8	367	<b>4</b>	67.0	7.3	13.7	12.0	466
3	79.0	6.3	4.0	10.6	395	<b>26—35—1—1</b>	82.8	9.3	4.2	3.7	377
<b>5</b>	73.8	5.9	3.8	16.5	423	<b>2—1</b>	79.4	8.9	8.1	3.6	393
<b>2—1</b>	81.5	6.5	8.3	3.6	383	<b>6—1</b>	68.3	7.6	21.0	3.1	457
3	75.9	6.1	7.8	10.2	411	<b>26—36—1—2</b>	79.6	9.2	4.1	7.1	392
<b>3—1</b>	78.2	6.3	12.0	3.5	399	<b>2—2</b>	76.5	8.8	7.8	6.9	408
3	73.1	5.8	11.2	9.9	427	<b>6—4</b>	62.4	7.2	19.2	11.2	500
<b>4—3</b>	70.4	5.6	14.4	9.5	443	<b>8</b>	56.1	6.5	17.3	20.1	536
<b>5—1</b>	72.4	5.8	18.6	3.2	431	<b>7—4</b>	60.5	7.0	21.7	10.8	516
<b>26—26—1—2</b>	81.7	6.8	4.2	7.3	382	<b>8—2</b>	61.9	7.1	25.4	5.6	504
<b>2—2</b>	78.4	6.5	8.0	7.0	398	<b>26—37—1—1</b>	82.3	9.8	4.2	3.7	379
4	73.2	6.1	7.5	13.1	426	<b>2—1</b>	79.0	9.4	8.1	3.5	395
3—4	70.6	5.9	10.8	12.7	442	<b>3—1</b>	75.9	9.0	11.7	3.4	411
<b>4—6</b>	64.2	5.3	13.2	17.3	486	<b>26—38—1—2</b>	79.2	9.6	4.1	7.1	394
<b>5—2</b>	69.9	5.8	17.9	6.3	446	<b>2—2</b>	76.1	9.3	7.8	6.8	410
7—6	58.4	4.9	21.0	15.7	534	<b>26—39—1—1</b>	81.9	10.2	4.2	3.7	381
<b>10—4</b>	56.3	4.7	28.9	10.1	554	<b>2—1</b>	78.6	9.8	8.1	3.5	397
<b>26—27—1—1</b>	84.5	7.3	4.3	3.8	369	<b>3—1</b>	75.5	9.4	11.6	3.4	413
<b>2—1</b>	81.0	7.0	8.3	3.6	385	<b>4—1</b>	72.7	9.1	14.9	3.3	429
<b>7—1</b>	67.1	5.8	24.1	3.0	465	<b>11—1</b>	57.6	7.2	32.5	2.6	541
<b>26—28—1—2</b>	81.2	7.3	4.2	7.3	384	<b>26—40—1—2</b>	78.8	10.1	4.0	7.1	396
<b>6</b>	70.9	6.4	3.6	19.1	440	<b>2—2</b>	75.7	9.7	7.8	6.8	412
<b>2—2</b>	78.0	7.0	8.0	7.0	400	<b>26—41—1—1</b>	81.5	10.7	4.2	3.6	383
6	68.4	6.1	7.0	18.4	456	<b>2—1</b>	78.2	10.3	8.0	3.5	399
<b>4—2</b>	72.2	6.5	14.8	6.5	432	<b>5—1</b>	69.8	9.2	17.9	3.1	447
<b>6</b>	63.9	5.7	13.1	17.2	488	<b>10—1</b>	59.2	7.8	30.4	2.6	527
<b>5—2</b>	69.6	6.2	17.9	6.2	448	<b>26—42—1—2</b>	78.4	10.5	4.0	7.0	398
<b>26—29—1—1</b>	84.1	7.8	4.3	3.8	371	<b>2—2</b>	75.4	10.1	7.7	6.8	414
<b>2—1</b>	80.6	7.5	8.3	3.6	387	<b>5—2</b>	67.5	9.1	17.3	6.1	462
<b>3</b>	75.2	7.0	7.7	10.1	415	<b>26—43—1—1</b>	81.0	11.2	4.1	3.6	385
<b>3—3</b>	72.4	6.7	11.1	9.7	431	<b>2—1</b>	77.8	10.7	8.0	3.5	401
<b>4—1</b>	74.4	6.9	15.3	3.3	419	<b>4—1</b>	72.1	9.9	14.8	3.2	433
<b>26—30—1—2</b>	80.8	7.8	4.1	7.2	386	<b>5—1</b>	69.5	9.6	17.8	3.1	449
<b>2—2</b>	77.6	7.4	8.0	7.0	402	<b>6—1</b>	67.1	9.2	20.6	3.0	465
4	72.6	7.0	7.4	13.0	430	<b>26—44—1—2</b>	78.0	10.0	4.0	7.0	400
<b>3—2</b>	74.6	7.2	11.5	6.7	418	<b>2—2</b>	75.0	10.6	7.7	6.7	416
<b>4—2</b>	71.9	6.9	14.7	6.4	434	<b>26—45—1—1</b>	80.6	11.6	4.1	3.8	387

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>26—45—2—1</b>	77.4	11.2	7.9	3.5	403	<b>27—22—3—2</b>	76.8	5.2	11.4	6.6	422
4—1	71.7	10.3	14.7	3.2	435	<b>4—2</b>	74.0	5.0	14.6	6.4	438
<b>8—1</b>	62.5	9.0	25.6	2.8	499	<b>5—4</b>	67.2	4.6	16.6	11.6	482
<b>26—46—1—2</b>	77.6	11.4	4.0	7.0	402	<b>6—4</b>	65.1	4.4	19.3	11.2	498
<b>2—2</b>	74.6	11.0	7.6	6.7	418	<b>27—23—1—1</b>	85.9	6.1	4.2	3.7	377
<b>26—47—1—1</b>	80.2	12.1	4.1	3.6	389	<b>2—1</b>	82.4	5.8	8.1	3.6	393
<b>2—1</b>	77.0	11.6	7.9	3.4	405	<b>3</b>	77.0	5.5	7.6	9.9	421
<b>26—48—1—2</b>	77.2	11.9	4.0	6.9	404	<b>4—1</b>	76.2	5.4	15.1	3.3	425
<b>2—2</b>	74.3	11.4	7.6	6.7	420	<b>3</b>	71.5	5.1	14.1	9.3	453
<b>26—49—1—1</b>	79.8	12.5	4.1	3.6	391	<b>6—1</b>	70.9	5.0	21.0	3.1	457
<b>2—1</b>	76.6	12.0	7.9	3.4	407	<b>27—24—1—2</b>	82.6	6.1	4.1	7.1	392
<b>7—3</b>	60.6	9.5	21.7	8.2	515	<b>4</b>	77.1	5.7	3.8	13.3	420
<b>26—50—1—2</b>	76.8	12.3	3.9	6.9	406	<b>6</b>	72.3	5.4	3.6	18.7	448
<b>2—2</b>	73.9	11.8	7.6	6.6	422	<b>2—2</b>	79.4	5.9	7.8	6.9	408
<b>26—51—1—1</b>	79.4	13.0	4.1	3.5	393	<b>4</b>	74.3	5.5	7.3	12.8	436
<b>2—1</b>	76.3	12.5	7.8	3.4	409	<b>3—4</b>	71.7	5.3	10.6	12.4	452
<b>3—1</b>	73.4	12.0	11.3	3.3	425	<b>6</b>	67.5	5.0	10.0	17.5	480
<b>26—52—1—2</b>	76.5	12.7	3.9	6.9	408	<b>6—2</b>	68.6	5.1	20.3	5.9	472
<b>2—2</b>	73.6	12.3	7.5	6.6	424	<b>6</b>	61.3	4.5	18.2	15.9	528
<b>26—53—1—1</b>	79.0	13.4	4.1	3.5	395	<b>12—4</b>	54.4	4.0	32.2	9.4	596
<b>2—1</b>	75.9	12.9	7.8	3.4	411	<b>27—25—1—1</b>	85.5	6.6	4.2	3.7	379
<b>26—54—1—2</b>	76.1	13.2	3.9	6.8	410	<b>2—1</b>	82.0	6.3	8.1	3.5	395
<b>2—2</b>	73.2	12.7	7.5	6.6	426	<b>3—1</b>	78.8	6.1	11.7	3.4	411
<b>27—17—3—1</b>	70.4	4.2	11.9	3.5	403	<b>4—1</b>	67.1	5.2	13.2	14.5	483
<b>4—1</b>	77.3	4.1	15.3	3.3	419	<b>27—26—1—2</b>	82.2	6.6	4.1	7.1	394
<b>6—3</b>	67.6	3.6	20.0	8.8	479	<b>2—2</b>	79.0	6.3	7.8	6.8	410
<b>27—18—1—2</b>	83.9	4.7	4.1	7.2	386	<b>3—2</b>	76.1	6.1	11.2	6.6	426
<b>4</b>	78.3	4.3	3.9	13.5	414	<b>4—2</b>	73.3	5.9	14.5	6.3	442
<b>2—2</b>	80.6	4.5	8.0	6.9	402	<b>27—27—1—1</b>	85.0	7.1	4.2	3.7	381
<b>3—2</b>	77.5	4.3	11.5	6.7	418	<b>2—1</b>	81.6	6.8	8.1	3.5	397
<b>4—4</b>	70.1	3.9	13.8	12.1	402	<b>3—3</b>	73.5	6.1	10.9	9.5	441
<b>5—4</b>	67.8	3.8	16.7	11.7	478	<b>4—1</b>	75.5	6.3	14.9	3.3	429
<b>6—6</b>	62.1	3.4	18.4	16.1	522	<b>3</b>	70.9	5.9	14.0	9.2	457
<b>7—2</b>	67.2	3.7	23.2	5.8	482	<b>5—3</b>	68.5	5.7	16.9	8.9	473
<b>4</b>	63.5	3.5	22.0	11.0	510	<b>6—1</b>	70.3	5.9	20.8	3.0	461
<b>27—19—1—1</b>	86.9	5.1	4.3	3.7	373	<b>7—3</b>	64.1	5.3	22.2	8.3	505
<b>3</b>	80.8	4.7	4.0	10.5	401	<b>27—28—1—2</b>	81.8	7.1	4.0	7.1	396
<b>2—1</b>	83.3	4.9	8.2	3.6	389	<b>2—2</b>	78.6	6.8	7.8	6.8	412
<b>3</b>	77.7	4.6	7.7	10.0	417	<b>3—2</b>	75.7	6.5	11.2	6.5	428
<b>3—1</b>	80.0	4.7	11.8	3.5	405	<b>4—2</b>	73.0	6.3	14.4	6.3	444
<b>3</b>	74.8	4.4	11.1	9.7	433	<b>4</b>	68.7	5.9	13.6	11.8	472
<b>4—1</b>	76.9	4.5	15.2	3.3	421	<b>7—2</b>	65.9	5.7	22.7	5.7	492
<b>7—3</b>	65.2	3.8	22.5	8.4	497	<b>27—29—1—1</b>	84.6	7.6	4.2	3.6	383
<b>27—20—1—2</b>	83.5	5.2	4.1	7.2	388	<b>2—1</b>	81.2	7.3	8.0	3.5	399
<b>2—2</b>	80.2	4.9	7.9	6.9	404	<b>4—3</b>	70.6	6.3	13.9	9.2	459
<b>4</b>	75.0	4.6	7.4	13.0	432	<b>5—1</b>	72.5	6.5	17.9	3.1	447
<b>4—2</b>	74.3	4.6	14.7	6.4	436	<b>3</b>	68.2	6.1	16.8	8.8	475
<b>5—2</b>	71.7	4.4	17.7	6.2	452	<b>10—1</b>	61.5	5.5	30.3	2.6	527
<b>6—4</b>	65.3	4.0	19.3	11.3	496	<b>27—30—1—2</b>	81.4	7.5	4.0	7.0	398
<b>27—21—1—1</b>	86.4	5.6	4.3	3.7	375	<b>2—2</b>	78.3	7.2	7.7	6.8	414
<b>3</b>	80.4	5.2	4.0	10.4	403	<b>4</b>	73.3	6.8	7.2	12.7	442
<b>2—1</b>	82.8	5.1	8.2	3.6	391	<b>3—2</b>	75.4	7.0	11.1	6.5	430
<b>3</b>	77.3	5.0	7.6	10.0	419	<b>4</b>	70.7	6.5	10.5	12.2	458
<b>3—1</b>	79.6	5.2	11.8	3.4	407	<b>4—4</b>	68.4	6.3	13.5	11.8	474
<b>3</b>	74.5	4.8	11.0	9.7	435	<b>6</b>	64.5	6.0	12.7	16.7	502
<b>6—3</b>	67.1	4.3	19.9	8.7	483	<b>27—31—1—1</b>	84.1	8.0	4.2	3.6	385
<b>9—3</b>	61.0	3.9	27.1	7.9	531	<b>2—1</b>	80.8	7.7	8.0	3.5	401
<b>27—22—1—2</b>	83.1	5.6	3.1	7.2	390	<b>27—32—1—2</b>	81.0	8.0	4.0	7.0	400
<b>2—2</b>	79.8	5.4	7.9	6.9	406	<b>4</b>	75.7	7.5	3.7	13.1	428

C—H—O—N	C %	H %	O %	N %	M.G.	C—H—O—N	C %	H %	O %	N %	M.G.
<b>27—32—2—2</b>	77,9	7,7	7,7	6,7	416	<b>27—53—1—1</b>	79,6	13,0	3,9	3,4	407
4—2	72,3	7,1	14,3	6,2	448	<b>2—1</b>	76,6	12,5	7,5	3,3	423
15—2	51,9	5,1	38,4	4,5	624	<b>27—54—1—2</b>	76,8	12,8	3,8	6,6	422
<b>27—33—1—1</b>	83,7	8,5	4,1	3,6	387	<b>2—2</b>	74,0	12,3	7,3	6,4	438
2—1	80,4	8,2	7,9	3,5	403	<b>27—55—1—1</b>	79,2	13,4	3,9	3,4	409
3	75,2	7,6	7,4	9,7	431	<b>2—1</b>	76,2	12,9	7,5	3,3	425
6—1	69,4	7,0	20,6	3,0	467	<b>27—56—1—2</b>	76,4	13,2	3,8	6,6	424
13—1	56,0	5,7	35,9	2,4	579	<b>2—2</b>	73,6	12,7	7,3	6,4	440
<b>27—34—1—2</b>	80,6	8,4	4,0	7,0	402	<b>28—12—14—4</b>	53,5	1,9	35,7	8,9	628
2—2	77,5	8,1	7,6	6,7	418	<b>28—14—8—4</b>	62,9	2,6	24,0	10,5	534
5—2	69,5	7,3	17,2	6,0	466	<b>28—15—5—1</b>	75,5	3,4	18,0	3,1	445
6—2	67,2	7,1	19,9	5,8	482	<b>7—3</b>	66,5	3,0	22,2	8,3	505
<b>27—35—1—1</b>	83,3	9,0	4,1	3,6	389	<b>18—7</b>	45,6	2,0	39,1	13,3	737
2—1	80,0	8,6	7,9	3,5	405	<b>28—16—1—2</b>	84,8	4,0	4,0	7,2	396
<b>27—36—1—2</b>	80,2	8,9	4,0	6,9	404	<b>2—2</b>	81,5	3,9	7,8	6,8	412
2—2	77,1	8,6	7,6	6,7	420	<b>3—2</b>	78,5	3,7	11,2	6,5	428
6—2	66,9	7,4	19,8	5,8	484	<b>4—2</b>	75,7	3,6	14,4	6,3	444
<b>27—37—1—1</b>	82,9	9,4	4,1	3,6	391	<b>5—2</b>	73,0	3,5	17,4	6,1	460
2—1	79,6	9,1	7,9	3,4	407	<b>6—2</b>	70,6	3,4	20,1	5,9	476
<b>27—38—1—2</b>	79,8	9,4	3,9	6,9	406	<b>4</b>	66,7	3,2	19,0	11,1	504
2—2	76,8	9,0	7,6	6,6	422	<b>6</b>	63,2	3,0	18,0	15,8	532
<b>27—39—1—1</b>	82,4	9,9	4,1	3,6	393	<b>8—6</b>	59,6	2,8	22,7	14,9	564
2—1	79,2	9,5	7,8	3,4	409	<b>16—12</b>	43,3	2,1	33,0	21,6	776
5—3	66,8	8,0	16,5	8,7	485	<b>28—17—1—1</b>	87,7	4,4	4,2	3,7	383
5	63,1	7,6	15,6	13,6	513	<b>2—1</b>	84,2	4,3	8,0	3,5	399
8—1	64,2	7,7	25,3	2,8	505	<b>4—3</b>	73,3	3,7	13,9	9,1	459
<b>27—40—1—2</b>	79,4	9,8	3,9	6,9	408	<b>8—3</b>	64,2	3,2	24,5	8,0	523
2—2	76,4	9,4	7,6	6,6	424	<b>5</b>	61,0	3,1	23,2	12,7	551
<b>27—41—1—1</b>	82,0	10,4	4,0	3,5	395	<b>9—3</b>	62,3	3,1	26,7	7,8	539
2—1	78,8	10,0	7,8	3,4	411	<b>12—3</b>	57,2	2,9	32,7	7,1	587
9—1	61,9	7,8	27,5	2,7	523	<b>28—18—1—2</b>	84,4	4,5	4,0	7,1	398
<b>27—42—1—2</b>	79,0	10,2	3,9	6,8	410	<b>2—2</b>	81,2	4,3	7,7	6,8	414
2—2	76,1	9,8	7,5	6,6	426	<b>4</b>	76,0	4,1	7,2	12,7	442
<b>27—43—1—1</b>	81,6	10,8	4,0	3,5	397	<b>6—2</b>	71,4	3,7	20,1	5,8	478
2—1	78,4	10,4	7,7	3,4	413	<b>7—2</b>	68,0	3,6	22,7	5,7	494
3	73,5	9,8	7,2	9,5	441	<b>4</b>	64,4	3,5	21,4	10,7	522
5—1	70,3	9,3	17,3	3,0	461	<b>9—8</b>	55,1	2,9	23,6	18,1	610
8—1	63,6	8,4	25,1	2,8	509	<b>12—4</b>	55,8	3,0	31,9	9,3	602
<b>27—44—1—2</b>	78,6	10,7	3,9	6,8	412	<b>28—19—1—1</b>	87,3	4,9	4,2	3,6	385
2—2	75,7	10,3	7,5	6,5	428	<b>3</b>	71,3	4,6	3,9	10,2	413
<b>27—45—1—1</b>	81,2	11,3	4,0	3,5	399	<b>2—1</b>	83,8	4,7	8,0	3,5	401
2—1	78,1	10,8	7,7	3,4	415	<b>4—1</b>	77,6	4,4	14,8	3,2	433
8—1	63,4	8,8	25,0	2,7	511	<b>6—1</b>	72,2	4,1	20,6	3,0	465
<b>27—46—1—2</b>	78,3	11,1	3,8	6,8	414	<b>28—20—1—2</b>	84,0	5,0	4,0	17,0	400
2—2	75,4	10,7	7,4	6,5	430	<b>2—2</b>	80,8	4,8	7,7	6,7	416
3—2	72,6	10,3	10,8	6,3	446	<b>4</b>	75,7	4,5	7,2	12,6	444
4—2	70,1	10,0	13,8	6,1	462	<b>3—2</b>	77,8	4,6	11,1	6,5	432
<b>27—47—1—1</b>	80,8	11,7	4,0	3,5	401	<b>4</b>	73,0	4,3	10,4	12,2	460
2—1	77,7	11,3	7,7	3,3	417	<b>4—2</b>	75,0	4,5	14,3	6,2	448
<b>27—48—1—2</b>	77,9	11,5	3,8	6,7	416	<b>6—2</b>	70,0	4,2	20,0	5,8	480
2—2	75,0	11,1	7,4	6,5	432	<b>8—8</b>	56,4	3,3	21,5	18,8	596
<b>27—49—1—1</b>	80,4	12,1	4,0	3,5	403	<b>13—10</b>	47,7	2,8	29,5	19,9	704
2—1	77,3	11,7	7,6	3,3	419	<b>28—21—1—1</b>	86,8	5,4	4,1	3,6	387
<b>27—50—1—2</b>	77,5	12,0	3,8	6,7	418	<b>5</b>	75,9	4,7	3,6	15,8	443
2—2	74,6	11,5	7,4	6,4	434	<b>2—1</b>	83,4	5,2	7,9	3,5	403
<b>27—51—1—1</b>	80,0	12,6	3,9	3,4	405	<b>3</b>	78,0	4,9	7,4	9,7	431
2—1	77,0	12,1	7,6	3,3	421	<b>5</b>	73,2	4,6	7,0	15,2	459
<b>27—52—1—2</b>	77,1	12,4	3,8	6,7	420	<b>3—1</b>	80,2	5,0	11,4	3,3	419
2—2	74,3	11,9	7,3	6,4	436	<b>3</b>	75,2	4,7	10,7	9,4	447

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
<b>28-21-4-1</b>	77,2	4,8	14,7	3,2	435	<b>28-28-5-2</b>	71,2	5,9	17,0	5,9	472
5-1	74,5	4,6	17,7	3,1	451	<b>6-2</b>	68,8	5,7	19,7	5,7	488
<b>8-5</b>	60,5	3,8	23,1	12,6	555	<b>9-6</b>	56,7	4,7	24,3	14,2	592
<b>28-22-1-2</b>	83,6	5,5	4,0	6,9	402	<b>28-29-1-1</b>	85,0	7,3	4,1	3,5	395
4	78,1	5,1	3,7	13,0	430	<b>2-1</b>	81,7	7,1	7,8	3,4	411
1-6	73,4	4,8	3,5	18,3	458	<b>5-3</b>	69,0	5,9	16,4	8,6	487
<b>2-2</b>	80,4	5,2	7,6	6,7	418	<b>6-1</b>	70,7	6,1	20,2	2,9	475
4	75,3	4,9	7,2	12,6	446	<b>7-1</b>	68,4	5,9	22,8	2,8	491
<b>3-2</b>	77,4	5,1	11,0	6,4	434	<b>28-30-1-2</b>	81,9	7,3	3,9	6,8	410
4-2	74,7	4,9	14,2	6,2	450	<b>4</b>	76,7	6,8	3,6	12,8	438
4	70,3	4,6	13,4	11,7	478	<b>8</b>	68,0	6,1	3,2	22,7	494
<b>6-4</b>	65,9	4,3	18,8	11,0	510	<b>2-2</b>	78,9	7,0	7,5	6,6	426
6	62,4	4,1	17,8	15,6	538	<b>3-2</b>	76,0	6,8	10,9	6,3	442
<b>7-4</b>	63,9	4,2	21,3	10,6	526	<b>4-4</b>	69,1	6,2	13,2	11,5	486
<b>8-2</b>	65,4	4,3	24,9	5,4	514	<b>6-2</b>	68,6	6,1	19,6	5,7	490
<b>28-23-1-1</b>	86,4	5,9	4,1	3,6	389	<b>12-6</b>	52,3	4,7	29,9	13,1	642
2-1	83,0	5,7	7,9	3,4	405	<b>28-31-1-1</b>	84,6	7,8	4,0	3,5	397
3	77,6	5,3	7,4	9,7	433	<b>3</b>	79,0	7,3	3,8	9,9	425
<b>3-1</b>	79,8	5,5	11,4	3,3	421	<b>2-1</b>	81,3	7,5	7,7	3,4	413
4-7	64,5	4,4	12,3	18,8	521	<b>10-1</b>	82,1	5,7	29,6	2,6	541
<b>28-24-1-2</b>	83,2	5,9	4,0	6,9	404	<b>28-32-1-2</b>	81,5	7,8	3,9	6,8	412
4	77,8	5,5	3,7	13,0	432	<b>2-2</b>	78,5	7,5	7,5	6,5	428
<b>2-2</b>	80,0	5,7	7,6	6,7	420	<b>5-2</b>	70,6	6,7	16,8	5,9	476
4	75,0	5,4	7,1	12,3	448	<b>8-2</b>	64,1	6,1	24,4	5,3	524
<b>3-2</b>	77,1	5,5	11,0	6,4	436	<b>4</b>	60,9	5,8	23,2	10,1	552
4	72,4	5,2	10,3	12,1	464	<b>28-33-1-1</b>	84,2	8,3	4,0	3,5	399
<b>4-2</b>	74,3	5,3	14,1	6,2	452	<b>2-1</b>	81,0	8,0	7,7	3,3	415
4	70,0	5,0	13,3	11,7	480	<b>3-3</b>	73,2	7,2	10,5	9,1	459
<b>6-2</b>	69,4	5,0	19,8	5,8	484	<b>4-9</b>	60,1	5,9	11,4	22,5	559
7-2	67,2	4,8	22,4	5,6	500	<b>28-34-1-2</b>	81,1	8,2	3,9	6,8	414
<b>8-4</b>	61,8	4,4	23,5	10,3	544	<b>2-2</b>	78,1	7,9	7,4	6,5	430
<b>28-25-1-1</b>	85,9	6,4	4,1	3,6	391	<b>4-2</b>	72,7	7,4	13,8	6,1	462
3	80,2	6,0	3,8	10,0	419	<b>6-2</b>	61,1	6,2	17,4	15,3	550
2-1	82,6	6,1	7,9	3,4	407	<b>28-35-1-1</b>	83,8	8,7	4,0	3,5	401
3	77,2	5,7	7,4	9,7	435	<b>2-1</b>	80,6	8,4	7,7	3,3	417
<b>3-3</b>	74,5	5,5	10,6	9,3	451	<b>6-1</b>	69,8	7,3	20,0	2,9	481
4-1	76,5	5,7	14,6	3,2	439	<b>28-36-1-2</b>	80,8	8,6	3,8	6,7	416
3	71,9	5,3	13,7	9,0	467	<b>2-2</b>	77,8	8,3	7,4	6,5	432
<b>28-26-1-2</b>	82,8	6,4	3,9	6,9	406	<b>5-10</b>	56,7	6,1	13,5	23,6	592
2-2	79,6	6,2	7,6	6,6	422	<b>8-2</b>	54,9	5,9	20,9	18,3	612
4	74,6	5,8	7,1	12,4	450	<b>28-37-1-1</b>	83,3	9,2	4,0	3,5	403
<b>3-2</b>	76,7	5,9	10,9	6,4	438	<b>2-1</b>	80,2	8,8	7,6	3,3	419
4-2	74,0	5,7	14,1	6,2	454	<b>28-38-1-2</b>	80,4	9,0	3,8	6,7	418
4	69,7	5,4	13,3	11,6	482	<b>2-2</b>	77,4	8,7	7,4	6,4	434
<b>5-4</b>	67,5	5,2	16,1	11,2	498	<b>4-2</b>	73,3	8,3	12,2	6,1	458
6-2	69,1	5,3	19,8	5,8	486	<b>5-2</b>	69,7	7,9	16,6	5,8	482
<b>8-18</b>	45,3	3,5	17,2	34,0	742	<b>28-39-1-1</b>	83,0	9,6	3,9	3,4	405
<b>28-27-1-1</b>	85,5	6,8	4,1	3,6	393	<b>2-1</b>	79,8	9,3	7,6	3,3	421
3	79,8	6,4	3,8	10,0	421	<b>28-40-1-2</b>	80,0	9,5	3,8	6,7	420
<b>2-1</b>	82,1	6,6	7,8	3,4	409	<b>2-2</b>	77,1	9,2	7,3	6,4	436
3	76,9	6,2	7,3	9,6	437	<b>5-2</b>	69,4	8,3	16,5	5,8	484
<b>6-1</b>	71,0	5,7	20,3	3,0	473	<b>28-41-1-1</b>	82,6	10,1	3,9	3,4	407
<b>28-28-1-2</b>	82,3	6,9	3,9	6,9	408	<b>2-1</b>	79,4	9,7	7,6	3,3	423
2-2	79,2	6,6	7,6	6,6	424	<b>28-42-1-2</b>	79,6	10,0	3,8	6,6	422
4	74,3	6,2	7,1	12,4	452	<b>2-2</b>	76,7	9,6	7,3	6,4	438
6	70,0	5,8	6,7	17,5	480	<b>28-43-1-1</b>	82,2	10,5	3,9	3,4	409
<b>3-2</b>	76,3	6,4	10,9	6,4	440	<b>2-1</b>	79,1	10,1	7,5	3,3	425
4	71,8	6,0	10,3	11,9	468	<b>5-1</b>	71,1	9,1	16,9	2,9	473
<b>4-2</b>	73,7	6,1	14,0	6,1	456	<b>7-1</b>	66,5	8,5	22,2	2,8	505

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>28—44—1—2</b>	79.2	10.4	3.8	6.6	424	<b>29—28—2—4</b>	75.0	6.0	6.9	12.1	464
<b>2—2</b>	76.3	10.0	7.3	6.4	440	<b>3—4</b>	72.5	5.8	10.0	11.7	480
<b>28—45—1—1</b>	81.7	10.9	3.9	3.4	411	<b>29—29—10—5</b>	57.3	4.8	26.3	11.5	607
<b>2—1</b>	78.7	10.5	7.5	3.3	427	<b>29—30—4—2</b>	74.0	6.4	13.6	6.0	470
<b>8—1</b>	64.2	8.6	24.5	2.7	523	<b>4</b>	69.9	6.0	12.9	11.2	498
<b>28—46—1—2</b>	78.9	10.8	3.7	6.6	426	<b>8—2</b>	65.2	5.6	24.0	5.2	534
<b>2—2</b>	76.0	10.4	7.2	6.3	442	<b>29—31—1—3</b>	79.6	7.1	3.7	9.6	437
<b>28—47—1—1</b>	81.3	11.4	3.9	3.4	413	<b>8—3</b>	63.4	5.6	23.3	7.6	549
<b>6—1</b>	68.2	9.5	19.5	2.8	493	<b>29—32—3—4</b>	71.9	6.6	9.9	11.6	484
<b>28—48—1—2</b>	78.5	11.2	3.7	6.5	428	<b>4—4</b>	69.6	6.4	12.8	11.2	500
<b>2—2</b>	75.7	10.8	7.2	6.3	444	<b>29—36—1—2</b>	81.3	8.4	3.7	6.5	428
<b>28—49—1—1</b>	81.0	11.8	3.8	3.4	415	<b>29—37—2—3</b>	75.8	8.1	7.0	9.1	459
<b>2—1</b>	78.0	11.4	7.4	3.2	431	<b>29—38—6—2</b>	68.2	7.4	18.8	5.5	510
<b>28—50—1—2</b>	78.1	11.6	3.7	6.5	430	<b>29—40—4—4</b>	68.5	7.9	12.6	11.0	508
<b>2—2</b>	75.3	11.2	7.2	6.3	446	<b>29—42—2—2</b>	77.3	9.3	7.1	6.3	450
<b>28—51—1—1</b>	80.6	12.2	3.8	3.4	417	<b>4—2</b>	72.2	8.7	13.3	5.8	482
<b>2—1</b>	77.6	11.8	7.4	3.2	433	<b>29—43—7—1</b>	67.3	8.4	21.6	2.7	517
<b>21—11</b>	38.3	5.8	38.3	17.6	877	<b>29—44—2—2</b>	77.0	9.7	7.1	6.2	452
<b>28—52—1—2</b>	77.8	12.0	3.7	6.5	432	<b>29—46—1—2</b>	79.4	10.5	3.6	6.4	438
<b>2—2</b>	75.0	11.6	7.1	6.2	448	<b>4—2</b>	71.6	9.5	13.2	5.7	486
<b>28—53—1—1</b>	80.2	12.6	3.8	3.3	419	<b>29—51—8—1</b>	64.3	9.4	23.6	2.6	541
<b>2—1</b>	77.2	12.2	7.4	3.2	435	<b>30—15—6—3</b>	70.2	2.9	18.7	8.2	513
<b>28—54—1—2</b>	77.4	12.4	3.7	6.3	434	<b>7—3</b>	68.0	2.8	21.2	7.9	529
<b>2—2</b>	74.7	12.0	7.1	6.2	450	<b>30—18—1—2</b>	85.3	4.3	3.8	6.6	422
<b>28—55—1—1</b>	79.8	13.1	3.8	3.3	421	<b>2—2</b>	82.2	4.1	7.3	6.4	438
<b>2—1</b>	76.9	12.6	7.3	3.2	437	<b>4</b>	77.2	3.9	6.9	12.0	466
<b>28—56—1—2</b>	77.1	12.8	3.7	6.4	436	<b>4—2</b>	76.6	3.8	13.6	6.0	470
<b>2—2</b>	74.3	12.4	7.1	6.2	452	<b>30—19—1—3</b>	82.4	4.3	3.7	9.6	437
<b>28—57—1—1</b>	79.4	13.5	3.8	3.3	423	<b>30—20—1—2</b>	84.9	4.7	3.8	6.6	424
<b>2—1</b>	76.5	13.0	7.3	3.2	439	<b>2—2</b>	81.8	4.5	7.3	6.4	440
<b>28—58—1—2</b>	76.7	13.2	3.6	6.4	438	<b>4—2</b>	76.3	4.2	13.6	5.9	472
<b>2—2</b>	74.0	12.8	7.0	6.2	454	<b>8—6</b>	60.8	3.4	21.6	14.2	592
<b>3—2</b>	71.5	12.4	10.2	5.9	470	<b>9—2</b>	65.2	3.6	26.1	5.1	552
<b>28—62—1—6</b>	67.5	12.4	3.2	16.9	498	<b>30—21—2—5</b>	74.5	4.3	6.6	14.5	483
<b>29—20—5—2</b>	73.1	4.2	16.8	5.9	476	<b>10—3</b>	61.7	3.6	27.4	7.2	583
<b>6—4</b>	66.9	3.8	18.5	10.8	520	<b>30—22—1—2</b>	84.5	5.2	3.7	6.6	426
<b>29—21—1—3</b>	81.5	4.9	3.7	9.8	427	<b>4</b>	79.3	4.8	3.5	12.3	454
<b>5</b>	76.5	4.6	3.5	15.4	455	<b>2—2</b>	81.4	5.0	7.2	6.3	442
<b>3—3</b>	75.8	4.6	10.5	9.1	459	<b>4</b>	76.6	4.7	6.8	11.9	470
<b>29—22—1—2</b>	84.0	5.3	3.9	6.8	414	<b>4—2</b>	75.9	4.6	13.5	5.9	474
<b>2—4</b>	76.0	4.8	7.0	12.2	458	<b>4</b>	71.7	4.4	12.7	11.2	502
<b>4—2</b>	75.3	4.8	13.8	6.1	462	<b>5—2</b>	73.5	4.5	16.3	5.7	490
<b>29—23—1—1</b>	86.8	5.7	4.0	3.5	401	<b>7—4</b>	65.4	4.0	20.4	10.2	550
<b>2—1</b>	83.4	5.5	7.7	3.4	417	<b>9—8</b>	56.4	3.4	22.6	17.6	638
<b>3</b>	78.2	5.2	7.2	9.4	445	<b>30—23—1—1</b>	87.2	5.5	3.9	3.4	413
<b>29—24—1—4</b>	78.4	5.4	3.6	12.6	444	<b>5</b>	76.7	4.9	3.4	14.9	469
<b>2—2</b>	80.6	5.5	7.4	6.5	432	<b>30—24—1—4</b>	79.0	5.2	3.5	12.3	456
<b>3—2</b>	77.7	5.3	10.7	6.2	448	<b>2—2</b>	81.1	5.4	7.2	6.3	444
<b>4—2</b>	75.0	5.2	13.8	6.0	464	<b>4—2</b>	75.6	5.0	13.4	5.9	476
<b>6—4</b>	66.4	4.6	18.3	10.7	524	<b>4</b>	71.4	4.8	12.7	11.1	504
<b>29—25—2—1</b>	83.0	6.0	7.6	3.3	419	<b>5—4</b>	69.2	4.6	15.4	10.8	520
<b>4—1</b>	77.1	5.5	14.2	3.1	451	<b>6—2</b>	70.9	4.7	18.9	5.5	508
<b>3</b>	72.7	5.2	13.3	8.8	479	<b>4</b>	67.2	4.5	17.9	10.4	536
<b>29—26—2—2</b>	80.2	6.0	7.4	6.4	434	<b>7—4</b>	65.2	4.3	20.3	10.1	552
<b>5—4</b>	68.2	5.1	15.7	11.0	510	<b>8—4</b>	63.4	4.2	22.5	9.9	568
<b>29—27—1—3</b>	80.4	6.2	3.6	9.7	433	<b>30—25—1—5</b>	76.4	5.3	3.4	14.9	471
<b>4—3</b>	72.3	5.6	13.3	8.7	481	<b>2—1</b>	83.5	5.8	7.4	3.2	431
<b>5—3</b>	70.0	5.4	16.1	8.4	497	<b>4—1</b>	77.8	5.4	13.8	3.0	463
<b>29—28—1—2</b>	82.8	6.7	3.8	6.7	420	<b>30—26—1—2</b>	86.5	6.2	3.8	3.4	416

C-H-O-N	C%	H%	O%	N%	M.G.	C-H-O-N	C%	H%	O%	N%	M.G.
30-26-1-4	78.6	5.7	3.5	12.2	458	31-24-1-2	84.6	5.4	3.6	6.4	440
2-2	80.7	5.8	7.2	6.3	446	2-4	76.8	5.0	6.6	11.6	484
3-2	77.9	5.6	10.4	6.0	462	9-4	62.4	4.0	24.2	9.4	596
6-4	66.9	4.8	17.8	10.4	538	31-25-2-3	78.9	5.3	6.8	9.0	471
8-4	63.2	4.6	22.4	9.8	570	3-3	76.4	5.1	9.9	8.6	487
30-27-2-1	83.2	6.2	7.4	3.2	433	31-26-1-2	84.1	5.9	3.6	6.3	442
3-3	75.5	5.7	10.0	8.8	477	4-2	79.2	5.5	3.4	11.9	470
15-5	51.6	3.9	34.4	10.0	697	3-8	66.7	4.6	8.6	20.1	558
30-28-2-2	80.4	6.2	7.1	6.2	448	31-27-5-1	75.5	5.5	16.2	2.8	493
4	75.6	5.9	6.7	11.8	476	31-28-5-2	73.2	5.5	15.7	5.5	508
3-2	77.6	6.0	10.3	6.0	464	31-30-1-8	70.2	5.7	3.0	21.1	530
4	73.2	5.7	9.7	11.4	492	2-2	80.5	6.5	6.9	6.1	462
6	69.2	5.4	9.2	16.1	520	4-2	75.3	6.1	12.9	5.7	494
4-2	75.0	5.8	13.3	5.8	480	31-31-2-1	82.8	6.9	7.1	3.1	449
6	67.2	5.2	11.9	15.7	536	31-33-3-3	75.1	6.7	9.7	8.5	495
8	63.8	5.0	11.3	19.8	564	31-34-4-8	63.9	5.8	11.0	19.2	582
5-4	68.7	5.3	15.3	10.7	524	6-2	70.2	6.4	18.1	5.3	530
12-2	59.2	4.6	31.6	4.6	608	31-36-4-6	66.9	6.5	11.5	15.1	556
30-29-3-5	71.0	5.7	9.5	13.8	507	8-2	65.9	6.4	22.7	5.0	564
6-5	64.9	5.2	17.3	12.6	555	31-37-4-3	72.2	7.2	12.4	8.2	515
13-1	58.9	4.7	34.0	2.3	611	31-41-10-1	63.4	7.0	27.2	2.4	587
30-30-1-4	77.9	6.5	3.5	12.1	462	31-43-10-1	63.2	7.3	27.2	2.3	589
3-2	77.3	6.4	10.3	6.0	466	11-1	61.5	7.1	29.1	2.3	605
6	68.9	5.7	9.2	16.1	422	31-48-9-2	62.8	8.1	24.3	4.7	592
4-2	34.7	6.2	13.3	5.8	482	31-50-16-30	33.9	4.5	23.3	38.3	1098
8	63.6	5.3	11.3	19.8	566	31-58-16-6	48.3	7.5	33.3	10.9	770
11-2	60.6	5.0	29.6	4.7	594	31-63-1-1	80.0	13.5	3.4	3.0	465
30-31-1-3	80.2	6.9	3.6	9.3	449	32-18-6-2	73.0	3.4	18.2	5.3	526
5-3	70.2	6.0	15.6	8.2	513	32-20-1-4	80.7	4.2	3.4	11.7	476
30-32-3-2	76.9	6.8	10.3	6.0	468	5-4	71.1	3.7	14.8	10.4	540
4-2	74.4	6.6	13.2	5.8	484	32-21-1-3	82.9	4.5	3.4	9.1	463
4	70.3	6.2	12.5	10.9	512	8-5	63.7	3.4	21.2	11.7	603
14-2	55.9	5.0	34.8	4.3	644	32-22-1-4	80.3	4.6	3.3	11.7	478
30-34-3-4	72.3	6.8	9.6	11.2	498	2-2	82.4	4.7	6.9	6.0	466
30-36-4-2	73.8	7.1	13.1	5.7	488	4	77.7	4.4	6.5	11.3	494
10-2	61.6	6.2	27.4	4.8	584	6	73.0	4.2	6.1	16.1	522
30-38-3-2	76.0	8.0	10.1	5.9	474	3-2	77.4	4.4	9.7	8.5	496
49-12	26.7	2.8	58.1	12.4	1350	6	71.4	4.1	8.9	15.6	538
30-40-5-2	70.8	7.9	15.7	5.5	508	4-4	73.0	4.2	12.2	10.6	526
30-41-15-9	46.9	5.3	31.3	16.4	767	5-4	70.8	4.1	14.8	10.3	542
30-44-2-2	77.6	9.5	6.9	6.0	464	13-2	59.8	3.4	32.4	4.4	642
4-2	72.6	8.9	12.9	5.6	496	32-24-2-2	82.0	5.1	6.8	6.0	468
30-45-9-3	60.9	7.6	24.4	7.1	591	3-4	75.0	4.7	9.4	10.9	512
30-46-10-2	60.6	7.7	26.9	4.7	594	5-2	74.4	4.6	15.5	5.4	516
30-48-3-2	74.4	9.9	9.9	5.8	484	4	70.6	4.4	14.7	10.3	544
30-49-1-1	82.0	11.2	3.6	3.2	439	6-2	72.1	4.5	18.0	5.3	532
21-1	47.4	6.4	44.3	1.8	759	32-25-1-5	77.6	5.0	3.2	14.1	495
30-57-6-17	47.9	7.6	12.8	31.7	751	32-26-2-2	81.7	5.5	6.8	6.0	470
30-60-6-18	16.9	7.5	12.5	32.8	768	4	77.1	5.2	6.4	11.2	498
30-61-1-1	79.8	13.5	3.6	3.1	451	8	69.3	4.7	5.8	20.2	554
2-1	77.1	13.1	6.8	3.0	467	4-2	76.5	5.2	12.7	5.6	502
81-17	18.4	3.1	66.3	12.2	1955	4	72.5	4.9	12.1	10.5	530
31-17-8-1	74.5	3.4	19.2	2.8	499	5-4	70.3	4.8	14.6	10.2	546
31-20-1-4	80.2	4.3	3.4	12.1	464	6-4	68.3	4.6	17.1	10.0	562
6-4	68.4	3.7	17.6	10.3	544	6	65.1	4.4	16.3	14.2	590
31-22-1-4	79.8	4.7	3.4	12.0	496	17-8	48.4	3.3	34.2	14.1	794
4-2	76.5	4.5	13.2	5.7	486	32-27-1-3	81.9	5.7	3.4	9.0	469
31-23-3-3	76.7	4.7	9.9	8.7	485	32-28-2-2	81.4	5.9	6.8	5.9	472
6-1	73.7	4.5	19.0	2.8	505	3-2	78.7	5.7	9.8	5.7	488

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>32—28—3—4</b>	74,4	5,4	9,3	10,9	516	<b>33—33—1—3</b>	81,3	6,8	3,3	8,6	487
4—4	72,2	5,3	12,0	10,5	532	3—3	76,3	6,3	9,2	8,1	519
5—4	70,1	5,1	14,6	10,2	548	6—3	69,8	5,8	16,9	7,4	567
6—2	71,6	5,2	17,9	5,2	536	<b>33—34—2—2</b>	80,8	6,9	6,5	5,7	490
8—2	67,6	4,9	22,5	4,9	568	8—2	67,6	5,8	21,8	4,8	586
<b>32—29—1—3</b>	81,5	6,1	3,4	9,0	471	<b>33—38—6—2</b>	71,2	6,5	17,3	5,0	556
3—1	80,8	6,1	10,1	2,9	475	<b>33—38—7—2</b>	69,0	6,6	19,5	4,9	574
<b>32—30—2—2</b>	81,0	6,3	6,7	5,9	474	12—2	60,5	5,8	29,3	4,3	654
4—2	75,9	5,9	12,6	5,5	506	<b>33—39—3—3</b>	75,4	7,4	9,1	8,0	525
4—7	71,9	5,6	12,0	10,5	534	<b>33—41—4—3</b>	72,9	7,5	11,8	7,7	543
6—2	71,4	5,6	17,8	5,2	538	<b>33—43—11—1</b>	63,0	6,8	28,0	12,2	629
4—6	67,8	5,3	17,0	9,9	566	<b>33—46—1—2</b>	81,4	9,5	3,3	5,8	486
8—4	64,2	5,0	21,4	9,4	598	<b>33—51—10—1</b>	63,6	8,5	25,7	2,2	623
<b>32—32—2—2</b>	81,0	6,3	6,7	5,9	474	<b>34—20—4—4</b>	74,5	3,6	11,7	10,2	548
4—6	76,2	6,3	6,3	11,1	504	<b>34—22—2—6</b>	74,7	4,1	5,8	15,4	546
3—6	70,1	5,8	18,5	15,3	548	4—4	74,2	4,0	11,6	10,2	550
8—2	67,1	5,6	22,4	4,9	572	6—4	70,1	3,8	16,5	9,6	582
<b>32—34—1—2</b>	83,1	7,4	3,5	6,0	462	7—2	71,6	3,8	19,7	4,9	570
2—4	75,9	6,3	6,7	11,1	506	9—2	67,8	3,6	23,9	4,6	602
4—2	75,3	6,6	12,6	5,5	510	<b>34—23—7—1</b>	73,3	4,1	20,1	2,5	557
4—7	71,4	6,3	11,9	10,4	538	<b>34—24—4—2</b>	77,8	4,6	12,2	5,3	524
8—4	64,6	5,7	10,8	18,8	594	5—2	75,6	4,4	14,8	5,2	540
5—4	69,3	6,1	14,4	10,1	554	6—2	73,4	4,3	17,3	5,0	556
6—4	67,4	6,0	16,8	9,8	570	<b>34—25—3—3</b>	78,0	4,8	9,2	8,0	523
8—2	60,9	5,9	22,3	4,9	574	5—3	73,5	4,5	14,4	7,6	555
12—6	55,3	4,9	27,7	12,1	604	<b>34—26—2—6</b>	74,2	4,7	5,8	15,3	550
<b>32—35—1—3</b>	80,5	7,3	3,3	8,8	477	4—4	73,6	4,7	11,5	10,1	554
2—3	77,9	7,1	6,5	8,5	493	5—2	75,3	4,8	14,8	5,1	542
<b>32—36—4—2</b>	75,0	7,0	12,5	5,5	512	5—5	69,7	4,6	13,7	12,0	585
7—4	65,3	6,1	19,0	9,5	588	<b>34—28—1—2</b>	87,6	6,0	3,4	3,0	466
8—4	63,6	5,9	21,2	9,3	604	2—2	82,3	5,6	6,4	5,6	496
12—4	57,3	5,7	28,7	8,3	670	4—6	69,8	4,8	10,9	14,4	584
<b>32—40—7—4</b>	64,8	6,8	18,9	9,4	592	<b>34—29—2—5</b>	75,7	5,4	5,9	13,0	539
<b>32—41—2—3</b>	76,9	8,2	6,4	8,4	499	6—3	71,0	5,0	16,7	7,3	575
<b>32—42—4—2</b>	74,1	8,1	12,3	5,4	518	<b>34—30—1—6</b>	75,8	5,6	3,0	15,6	538
25—18	35,6	3,9	37,1	23,4	1978	6—4	69,1	5,1	16,3	9,5	590
<b>32—45—11—1</b>	62,0	7,3	28,4	2,3	619	9—4	63,9	4,7	22,6	8,8	638
<b>32—46—6—2</b>	69,3	8,3	17,3	5,1	554	14—2	50,2	4,3	32,5	4,0	690
<b>32—47—4—1</b>	75,4	9,2	12,6	2,7	509	<b>34—31—6—3</b>	70,7	5,4	16,6	7,3	577
14—1	57,4	7,0	33,5	2,1	669	<b>34—32—4—2</b>	76,7	6,0	12,0	5,3	532
<b>32—48—2—2</b>	78,1	9,7	6,5	5,7	492	<b>34—33—3—3</b>	76,5	6,2	9,3	7,9	531
<b>32—49—9—1</b>	65,0	8,3	24,3	2,4	591	<b>34—34—2—2</b>	81,3	6,8	6,3	5,6	502
<b>32—50—1—2</b>	80,3	10,5	3,3	5,9	478	3—4	74,7	6,2	8,8	10,3	546
<b>32—51—11—1</b>	61,4	8,2	28,2	2,2	625	4—4	72,6	6,0	11,4	10,9	562
<b>32—52—3—2</b>	75,0	10,1	9,4	5,5	512	5—4	70,6	5,9	13,8	9,7	578
<b>33—20—3—2</b>	80,5	4,1	9,6	5,7	492	<b>34—35—1—3</b>	81,4	7,0	3,2	8,4	501
<b>33—21—3—3</b>	78,1	4,1	9,5	8,3	507	9—7	59,6	5,1	21,0	14,3	685
10—7	58,6	3,1	23,7	14,5	675	<b>34—36—4—4</b>	72,3	6,4	11,3	9,9	564
<b>33—24—1—2</b>	85,3	5,2	3,4	6,0	464	6—2	71,8	6,3	16,9	4,9	568
2—4	77,9	4,7	6,3	11,0	508	9—2	66,2	5,8	23,4	4,5	616
4—2	77,3	4,7	12,5	5,5	512	<b>34—38—9—10</b>	55,9	5,2	19,7	19,2	730
4—7	73,3	4,4	11,8	10,4	540	<b>34—40—7—2</b>	62,0	6,1	17,0	14,9	658
<b>33—26—1—4</b>	80,2	5,3	3,2	11,3	494	25—10	41,3	4,0	40,5	14,2	988
2—2	82,2	5,4	6,6	5,8	482	<b>34—41—18—1</b>	54,3	5,4	38,3	1,9	751
<b>33—27—2—3</b>	79,7	5,4	6,4	8,4	497	<b>34—45—10—1</b>	65,1	7,2	25,5	2,2	627
4—5	71,1	4,8	11,5	12,6	557	<b>34—47—11—1</b>	63,2	7,3	27,3	2,2	645
<b>33—28—2—4</b>	77,3	5,5	6,2	10,9	512	<b>34—48—8—2</b>	66,7	7,8	20,9	4,6	612
4—2	72,8	5,1	11,8	10,3	544	<b>34—50—1—2</b>	81,3	9,9	3,2	5,6	502
<b>33—31—6—3</b>	70,1	5,5	17,0	7,4	565						

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	G.M.
34—53—8—1	68,7	8,8	21,2	2,3	603	36—51—6—1	72,8	8,6	16,2	2,4	593
34—60—5—2	70,8	10,4	13,9	4,9	576	36—54—6—2	70,8	8,8	15,7	4,6	610
35—19—10—1	68,5	3,1	26,1	2,3	613	36—20—2	51,8	6,5	38,4	3,3	834
35—22—7—2	72,2	3,8	19,2	4,8	582	36—57—13—1	60,8	7,9	29,2	2,0	711
35—24—1—4	81,4	4,6	3,1	10,9	516	36—69—7—19	49,1	7,8	12,7	30,3	879
35—26—1—2	85,7	5,3	3,3	5,7	490	36—72—2—2	76,6	12,8	5,7	4,9	564
2—2	83,0	5,1	6,3	5,5	506	37—25—1—3	84,3	4,7	3,0	8,0	527
3—4	76,3	4,7	8,7	10,2	550	37—26—1—2	86,4	5,1	3,1	5,4	514
35—27—4—1	80,0	5,1	12,2	2,7	525	4—6	71,8	4,2	10,4	13,6	618
6—5	68,5	4,4	15,7	11,4	613	37—27—1—5	79,7	4,8	2,9	12,6	557
35—28—1—2	85,4	5,7	3,2	5,7	492	37—28—2—4	79,3	5,0	5,7	10,0	560
3—2	80,1	5,3	9,2	5,3	524	37—30—3—2	80,7	5,4	8,7	5,1	550
4—4	74,0	4,9	11,3	9,8	565	37—32—4—2	78,2	5,6	11,3	4,9	568
35—29—3—3	77,9	5,4	8,9	7,8	539	4	74,5	5,4	10,7	9,4	596
4—3	75,7	5,2	11,5	7,6	555	37—33—4—3	76,1	5,7	11,0	7,2	583
35—30—1—2	85,0	6,1	3,2	5,7	494	37—34—1—4	80,7	6,2	2,9	10,2	550
2—2	82,3	5,9	6,3	5,5	510	2—4	78,4	6,0	5,6	9,9	566
35—32—3—4	75,6	5,7	8,6	10,0	556	37—36—9—2	68,1	5,5	22,1	4,3	652
35—33—5—1	76,8	6,0	14,6	2,6	547	37—38—9—2	67,9	5,8	22,0	4,3	654
35—36—5—2	74,5	6,4	14,2	4,9	564	37—47—13—1	62,3	6,6	29,2	1,9	713
9—2	66,9	5,7	22,9	4,5	626	37—49—14—1	60,7	6,7	30,6	1,9	731
35—38—6—2	72,1	6,5	16,5	4,8	582	37—53—11—1	64,6	7,7	25,6	2,0	687
35—40—6—4	68,6	6,5	15,7	9,1	612	38—24—4—2	79,7	4,2	11,2	4,9	572
35—45—6—3	69,6	7,5	15,9	7,0	603	38—28—3—4	77,5	4,8	8,2	9,5	588
12—1	62,6	6,7	28,6	2,1	671	38—33—1—3	83,4	6,0	2,9	7,7	547
35—47—13—1	61,0	6,8	30,2	2,0	689	38—34—5—2	76,1	5,7	13,4	4,7	598
35—69—3—1	76,2	12,5	8,7	2,5	551	38—40—1—8	73,1	6,4	2,6	17,9	624
35—71—1—1	80,6	13,6	3,1	2,7	521	38—44—2—4	77,5	7,5	9,5	9,5	588
35—72—1—2	78,4	13,4	3,0	5,2	536	12—2	63,3	6,1	26,7	3,9	720
36—6—27—14	40,5	6,6	40,5	18,4	1066	38—46—2—4	77,3	7,8	5,4	9,5	590
36—20—7—4	69,7	3,2	18,1	9,0	620	38—47—12—1	64,3	6,6	27,1	2,0	709
36—24—2—6	75,5	4,2	5,6	14,7	572	38—49—12—1	64,1	6,9	27,0	2,0	711
36—25—10—3	65,5	3,8	24,3	6,4	659	38—51—13—1	62,6	7,0	28,5	1,9	729
36—26—4—4	74,7	4,5	11,1	9,7	578	39—28—4—4	76,0	4,5	10,4	9,1	616
36—27—1—3	83,5	5,2	3,1	8,1	517	39—32—1—6	78,0	5,3	2,7	14,0	600
36—28—2—2	83,1	5,4	6,1	5,4	520	6—4	71,8	4,9	14,7	8,6	652
5—2	76,1	4,9	14,1	4,9	568	39—35—3—3	78,9	5,9	8,1	7,1	593
6—4	70,6	4,6	15,7	9,1	612	39—40—2—4	78,5	6,7	5,4	9,4	596
9—14	54,0	3,5	18,0	24,5	800	11—2	65,7	5,6	24,7	3,9	712
36—29—4—3	76,2	5,1	11,3	7,4	567	39—46—3—4	75,7	7,4	7,8	9,1	618
10—3	65,2	4,4	24,1	6,3	663	39—48—4—4	73,6	7,5	10,1	8,8	636
36—30—1—4	80,9	5,6	3,0	10,5	534	39—51—15—1	60,5	6,6	31,0	1,8	773
2—4	78,5	5,4	5,8	10,2	550	39—53—10—1	67,3	7,6	23,0	2,0	695
4—2	78,0	5,4	11,5	5,1	554	40—26—16—8	54,9	3,0	29,3	12,8	874
7—2	71,7	5,0	18,6	4,6	602	40—27—1—3	85,0	4,8	2,8	7,4	565
9—4	65,2	4,5	21,8	8,5	662	40—28—2—2	84,5	4,9	5,6	4,9	568
36—33—12—3	61,8	4,7	27,5	6,0	466	4—2	80,0	4,7	10,6	4,7	600
36—36—6—2	73,0	6,1	16,2	4,7	592	40—30—6—4	72,5	4,5	14,5	8,5	662
6	66,7	5,6	14,8	12,9	648	40—31—6—1	77,3	5,0	15,5	2,2	621
36—38—5—4	71,3	6,3	13,2	9,2	606	40—32—8—4	69,0	4,6	18,4	8,0	696
36—39—16—3	56,2	5,1	33,3	5,4	769	40—33—2—1	85,9	5,9	5,7	2,5	559
36—40—6—2	72,5	6,7	16,1	4,7	596	40—34—12—4	63,0	4,5	25,2	7,3	762
7—2	70,6	6,5	18,3	4,6	612	40—36—4—2	79,0	5,9	10,5	4,6	608
36—42—6—2	72,2	7,0	16,0	4,7	598	40—38—1—4	81,4	6,4	2,7	9,5	590
36—43—10—7	58,9	5,8	21,8	13,4	733	8—4	68,4	5,4	18,2	8,0	702
36—44—8—2	68,3	7,0	20,2	4,4	632	40—40—6—6	68,6	5,7	13,7	12,0	700
36—46—6—4	68,6	7,3	15,2	8,9	630	40—41—9—3	67,9	5,8	20,4	5,9	707
36—47—11—1	64,6	7,1	26,3	2,1	669	40—42—9—8	61,7	5,4	18,5	14,4	778
36—49—12—1	62,9	7,1	28,0	2,0	687	40—46—3—4	76,2	7,3	7,6	8,9	630

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
40—46—8—2	70,4	6,7	11,8	4,1	682	44—65—4—1	78,8	9,7	9,5	2,0	671
9—12	57,3	5,5	17,2	20,0	838	44—84—4—2	75,0	11,9	9,1	4,0	704
40—47—6—11	61,8	6,0	12,3	19,8	777	45—33—3—3	81,4	5,0	7,2	6,3	663
12—1	65,5	6,4	26,2	1,9	733	45—34—9—18	55,7	3,5	14,8	26,0	970
40—48—4—4	74,1	7,4	9,9	8,6	648	45—44—2—6	77,1	6,3	4,6	12,0	700
6	71,0	7,1	9,5	12,4	676	45—48—10—8	62,8	5,6	18,6	13,0	860
10	65,6	6,5	8,7	19,1	732	45—53—18—5	56,8	5,6	30,3	7,3	951
40—49—4—11	64,3	6,6	8,6	20,5	747	46—35—6—3	76,1	4,8	13,2	5,8	725
40—50—4—4	73,9	7,7	9,8	8,6	650	46—37—6—3	75,9	5,1	13,2	5,8	727
40—52—5—2	75,0	8,1	12,5	4,4	640	46—45—3—7	74,3	6,0	6,5	13,2	743
40—53—14—1	62,3	6,9	29,0	1,8	771	46—46—9—8	64,6	5,4	16,9	13,1	854
40—54—8—4	66,8	7,5	17,8	7,8	718	46—54—7—4	71,3	7,0	14,5	7,2	774
40—56—12—2	63,5	7,4	25,4	3,7	756	46—60—3—4	77,1	8,4	6,7	7,8	716
21—4	51,7	6,0	36,2	6,0	928	46—74—4—2	76,9	10,3	8,9	3,9	718
40—61—2—1	81,8	10,4	5,4	2,4	587	46—83—15—1	62,1	9,3	27,0	1,6	889
40—64—4—2	75,5	10,0	10,0	4,4	636	47—36—4—4	78,3	6,0	8,8	7,8	720
41—28—1—2	87,2	5,0	2,8	5,0	564	47—44—3—6	76,2	5,9	6,5	11,3	740
41—32—4—2	79,9	5,2	10,4	4,5	616	47—70—10—4	56,7	7,0	30,6	5,6	994
41—33—10—1	70,4	4,7	22,9	2,0	699	48—38—19—6	57,8	3,2	30,5	8,4	996
41—35—10—5	65,0	4,6	21,1	9,2	757	48—38—5—4	76,8	5,1	10,7	7,4	750
41—37—10—5	64,8	4,8	21,1	9,2	759	48—39—3—3	81,7	5,5	6,8	6,0	705
41—39—1—3	83,5	6,6	2,8	7,1	589	9—11	63,1	4,3	15,8	16,8	913
11—5	63,3	5,0	22,6	9,0	777	10—1	73,0	4,9	20,3	1,8	789
41—41—4—3	77,0	6,4	10,6	6,6	639	18—1	62,8	4,3	31,4	1,5	917
41—42—6—6	68,9	5,9	13,4	11,8	714	48—42—27—4	52,1	3,8	39,0	5,1	1106
41—44—9—2	69,5	6,2	20,3	4,0	708	48—44—8—2	74,2	5,7	16,5	3,6	776
41—47—10—1	69,0	6,6	22,5	1,9	713	48—48—2—4	80,9	6,7	4,5	7,9	712
41—50—4—10	65,9	6,7	8,6	18,8	746	48—58—13—16	54,0	5,4	19,5	21,0	1066
41—76—6—12	59,1	9,1	11,5	20,2	832	48—60—9—2	71,3	7,4	17,8	3,5	808
41—81—9—1	67,3	11,1	19,7	1,9	731	49—37—6—7	71,8	4,5	11,7	12,0	819
41—84—6—12	58,5	10,0	11,4	20,0	840	50—33—2—5	81,6	4,5	4,3	9,5	735
42—21—3—1	85,9	3,6	8,2	2,3	587	50—47—17—11	55,9	4,4	25,3	14,3	1073
42—28—2—6	77,8	4,3	4,9	13,0	648	50—60—5—4	75,4	7,5	10,0	7,0	796
42—29—6—7	69,3	4,0	13,2	13,5	727	50—64—5—4	75,0	8,0	10,0	7,0	800
42—32—6—2	76,4	4,8	14,5	4,2	660	51—48—6—6	72,8	5,7	11,4	10,0	840
42—34—4—4	76,6	5,2	9,7	8,5	658	51—57—9—3	71,6	6,7	16,8	4,9	855
8—4	69,8	4,7	17,7	7,8	722	52—29—12—1	72,6	3,4	22,4	1,6	859
42—37—2—3	82,0	6,0	5,2	6,8	615	52—57—7—7	70,0	6,4	12,5	11,0	891
42—40—17—10	52,7	4,2	28,4	14,6	956	52—83—13—1	67,2	8,9	22,4	1,5	929
42—42—7—6	67,9	5,7	15,1	11,3	742	52—93—18—1	61,2	9,1	28,3	1,4	1019
42—44—6—6	69,2	6,0	13,2	11,5	728	52—95—15—1	64,1	9,8	24,6	1,4	973
42—46—5—4	73,5	6,7	11,7	8,1	686	53—38—6—4	77,0	4,6	11,6	6,8	826
7—4	70,2	6,4	15,6	7,8	718	53—42—9—2	74,8	4,9	16,9	3,3	850
42—48—10—10	59,1	5,6	18,8	16,4	852	54—56—9—2	74,0	6,4	16,4	3,2	876
42—52—8—4	68,1	7,0	17,3	7,6	740	54—59—15—1	67,4	6,1	25,0	1,4	961
42—54—6—4	71,0	7,6	13,5	7,8	710	54—63—9—3	72,2	7,0	16,0	4,7	897
42—63—14—1	62,6	7,8	27,8	1,7	805	54—78—45—4	43,1	5,2	47,9	3,7	1502
42—68—7—2	70,8	9,6	15,7	3,9	712	54—87—21—1	59,7	8,0	31,0	1,2	1085
43—51—12—1	66,7	6,6	34,8	1,8	773	55—43—1—3	86,7	5,6	2,1	5,5	761
44—29—10—3	69,6	3,8	21,1	5,5	759	55—46—9—2	75,2	5,2	16,4	3,2	878
44—30—2—4	81,7	4,6	4,9	8,7	846	55—85—22—17	49,4	6,4	26,4	17,8	1335
44—32—2—2	85,1	5,2	5,2	4,5	620	55—92—16—2	63,7	8,9	24,7	2,7	1036
44—34—2—4	81,3	5,2	4,9	8,6	650	55—109—22—9	52,9	8,7	28,2	10,1	1247
44—36—4—2	80,6	5,5	9,8	4,3	656	56—47—4—3	81,5	5,7	7,7	5,1	825
44—39—3—3	80,4	5,9	7,3	6,4	657	58—54—17—12	57,6	4,6	23,3	14,4	1166
44—47—2—3	81,4	7,2	4,9	6,5	649	21—12	54,6	4,4	27,3	13,7	1230
44—52—9—2	70,2	6,9	19,1	3,7	752	58—56—11—2	72,1	6,0	18,9	3,0	932
44—60—12—2	65,3	7,4	23,8	3,5	808	58—103—15—1	65,3	10,0	23,3	1,3	1029
44—63—18—1	59,1	7,0	32,2	1,6	893	57—110—15—2	64,4	10,4	22,6	2,6	1062

C—H—O—N	C%	H%	O%	N%	M.G.	C—H—O—N	C%	H%	O%	N%	M.G.
<b>60—48—11—9</b>	67,3	4,5	16,4	11,8	1070	<b>80—34—36—16</b>	53,5	1,9	32,1	12,5	1794
<b>60—86—15—4</b>	65,3	7,8	21,8	5,1	1102	<b>80—43—24—11</b>	62,3	2,8	24,9	10,0	1541
<b>64—100—20—16</b>	54,4	7,1	22,7	15,8	1412	<b>80—82—17—16</b>	62,4	5,3	17,7	14,6	1538
<b>65—128—19—2</b>	62,9	10,3	24,5	2,3	1240	<b>80—86—17—20</b>	60,1	5,4	17,0	17,5	1598
<b>66—51—21—1</b>	66,4	4,3	28,2	1,1	1193	<b>80—90—17—24</b>	57,9	5,4	16,4	20,3	1658
<b>66—88—21—2</b>	63,7	7,1	27,0	2,2	1244	<b>80—92—16—4</b>	70,4	6,7	18,8	4,1	1364
<b>68—68—17—4</b>	60,3	5,0	20,1	14,5	1352	<b>98—94—17—16</b>	66,6	5,3	15,4	12,7	1766
<b>68—76—12—4</b>	71,6	6,7	16,8	4,9	1140	<b>102—149—38—31</b>	50,7	6,2	25,2	17,9	2415
<b>68—78—7—8</b>	73,0	7,0	10,0	10,0	1118	<b>102—151—39—31</b>	50,3	6,2	25,6	17,8	2433
<b>68—80—10—4</b>	73,4	7,2	14,4	5,0	1112	<b>102—206—19—4</b>	68,4	11,5	17,0	3,1	1790
<b>68—88—10—4</b>	72,9	7,8	14,3	5,0	1120	<b>104—98—17—16</b>	67,8	5,3	14,8	12,1	1842
<b>70—138—12—2</b>	70,1	11,5	16,0	2,3	1198	<b>108—194—29—28</b>	55,2	8,3	19,8	16,7	2346
<b>70—140—13—2</b>	69,1	11,5	17,1	2,3	1216	<b>110—102—17—16</b>	68,8	5,3	14,2	11,7	1918
<b>72—84—12—4</b>	72,2	7,0	16,1	4,7	1196	<b>136—136—16—8</b>	76,4	6,4	11,9	5,2	2136
<b>76—124—29—24</b>	49,7	6,8	25,3	18,2	1836	<b>136—148—22—8</b>	72,7	6,6	15,7	5,0	2244
<b>78—180—32—24</b>	47,6	9,2	26,1	17,1	1964						

## **Register der Eigennamen.**

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<b>Abietin</b>	$C_{44}H_{50}$	<b>Achroglobulin</b>	$C_{453}H_{703}O_{158}N_{164}S$	<b>Akridinsäure</b>	$C_{11}H_7O_4N$
—	$C_{44}H_{52}$	—	$C_{731}H_{112}O_{188}N_{194}S$	<b>Akridon</b>	$C_{13}H_9ON$
—	$C_{44}H_{54}$	<b>Achroodextrin</b>	$C_6H_{10}O_6$	<b>Akrit</b>	$C_6H_{14}O_6$
—	$C_{44}H_{56}$	—	$C_{26}H_{42}O_{31}$	<b>Akrolein</b>	$C_3H_6O$
—	$C_{44}H_{58}$	<b>Achrooglykogen</b>	$C_9H_{19}O_5$	<b>Akropinakou</b>	$C_8H_{10}O_2$
—	$C_{44}H_{60}$	<b>Aconit</b>	$C_{24}H_{39}O_{10}N$	<b>Akrosamin</b>	$C_6H_{13}O_5N$
<b>Abietinsäure</b>	$C_{19}H_{28}O_2$	<b>Aconitin</b>	$C_{44}H_{42}O_{11}N$	<b>Akrose</b>	$C_6H_{12}O_6$
<b>Abrotin</b>	$C_{21}H_{22}ON_2$	<b>Adenin</b>	$C_5H_5N_5$	<b>Akrosos</b>	$C_6H_9O_6$
<b>Absinthiin</b>	$C_{15}H_{20}O_4$	<b>Adipinsäure</b>	$C_6H_{10}O_4$	<b>Akrothaldin</b>	$C_9H_{13}NS_2$
—	$C_{20}H_{28}O_4$	<b>Adipomalsäure</b>	$C_6H_{10}O_6$	<b>Akryldiureid</b>	$C_8H_{10}O_2N_4$
<b>Acekkaffin</b>	$C_9H_{11}O_5N_3$	<b>Adipoweinsäure</b>	$C_6H_{10}O_6$	<b>Akrylkolloid</b>	$C_5H_9O_5$
<b>Acekonitsäure</b>	$C_6H_8O_6$	<b>Adonit</b>	$C_4H_{40}O_9$	<b>Akrylmilchakure</b>	$C_8H_9O_8$
<b>Acenaphthen</b>	$C_{15}H_{10}$	<b>Adonit</b>	$C_4H_{12}O_5$	<b>Akrylsäure</b>	$C_5H_8O_7$
<b>Acenaphthylen</b>	$C_{12}H_8$	<b>Aeolosomin</b>		<b>Alakreatin</b>	$C_6H_9O_5N_2$
<b>Acetal</b>	$C_6H_{14}O_4$	$C_{420}H_{850}O_{159}N_{109}S_2Fe$		<b>Alakreatinin</b>	$C_6H_9ON_3$
<b>Acetaldehydglykose</b>	$C_3H_{11}O_5$	<b>Aepfelsäure</b>	$C_6H_6O_5$	<b>Alanin</b>	$C_3H_7O_4N$
<b>Acetaldehydin</b>	$C_{10}H_{12}N_2$	<b>Aescigenin</b>	$C_{12}H_{20}O_9$	<b>Alantol</b>	$C_{10}H_{16}O$
<b>Acetodiphosphorig Säure</b>		<b>Aescinsäure</b>	$C_8H_8O_5$	<b>Alantolsäure</b>	$C_{15}H_{22}O_5$
	$C_2H_6O_5P_2$	<b>Aescioxalsäure</b>	$C_2H_4O_4$	<b>Alantsäure</b>	$C_5H_{12}O_5$
<b>Acetoguanimid</b>	$C_4H_5O_2N_3$	<b>Aeskorcin</b>	$C_9H_{20}O_5N$	<b>Albamin</b>	$C_{12}H_{22}O_5N_2$
<b>Acetoguanid</b>	$C_4H_6ON_4$	<b>Aeskorcin</b>	$C_9H_8O_4$	<b>Alban</b>	$C_9H_{16}O$
<b>Acetol</b>	$C_8H_8O_5$	<b>Aeskuletin</b>	$C_9H_8O_4$	<b>Albaspidin</b>	$C_{19}H_{28}O_7$
<b>Aceton</b>	$C_3H_6O$	<b>Aeskuletinsäure</b>	$C_9H_{18}O_7$	<b>Albopannin</b>	$C_{11}H_{24}O_7$
<b>Acetonbenzil</b>	$C_{17}H_{16}O_5$	<b>Aeskulin</b>	$C_{19}H_{16}O_9$	<b>Albunin</b>	$C_{73}H_{112}O_{15}N_{18}S$
<b>Acetondibenzrenztraubensäure</b>		<b>Aesthesin</b>	$C_{25}H_{46}O_3N$	—	$C_{90}H_{156}O_{79}N_{27}S$
	$C_9H_{10}O_5$	<b>Aethan</b>	$C_2H_6$	—	$C_{144}H_{270}O_{48}N_{24}S$
<b>Acetonchloroform</b>	$C_4H_2OCl_2$	<b>Aethbebenin</b>	$C_{20}H_{25}O_5N$	—	$C_{204}H_{322}O_{66}N_{27}S$
<b>Acetondicessigsäure</b>	$C_3H_{10}O_5$	<b>Aethbenol</b>	$C_{19}H_{18}O_5$	—	$C_{359}H_{586}O_{87}N_{48}S$
<b>Acetondioxalsäure</b>	$C_7H_6O_7$	<b>Aethen</b>	$C_2H_4$	<b>Aldehydblau</b>	$C_{21}C_6H_5O_5N_2Cl_3$
<b>Acetonin</b>	$C_9H_{18}N_2$	<b>Aethionsäure</b>	$C_2H_2O_3S_2$	<b>Aldehydbromal</b>	$C_4H_5O_5Br_3$
<b>Acetonrhomboid</b>	$C_9H_{16}O_5$	<b>Aethocdein</b>	$C_{20}H_{45}O_5N$	<b>Aldehydcollidin</b>	$C_4H_11N$
<b>Acetonsäure</b>	$C_4H_4O_3$	<b>Aethylchinovosid</b>	$C_6H_{16}O_6$	<b>Aldehydgrün</b>	$C_3H_{25}O_5N_2S_2$
<b>Acetonuraminsäure</b>		<b>Aethylgalaktosid</b>	$C_6H_{18}O_6$	<b>Aldehydhwarz</b>	$C_{46}H_{16}O$
	$C_5H_{10}O_3N_2$	<b>Aethylidenurethan</b>		—	$C_{46}H_{54}O_5$
<b>Acetylonyliuret</b>	$C_6H_7O_3N_3$	<b>Aethylinuracil</b>		—	$C_{46}H_{64}O_{10}$
<b>Acetonyleugenol</b>	$C_{15}H_{16}O_5$	<b>Aethylphenol</b>	$C_9H_{16}O_5N_2$	—	$C_{46}H_{64}O_{12}$
<b>Acetonylisocugenol</b>	$C_{15}H_{16}O_3$	<b>Aethylrautinosid</b>	$C_8H_{16}O_5$	<b>Aldehydovanillinösäure</b>	$C_6H_9O_5$
		<b>Aethylserofolxyd</b>		<b>Alitol</b>	$C_4H_8O_2$
		$C_3H_{10}ON_2S_2$		<b>Aleuritinsäure</b>	$C_{15}H_{20}O_4$
		<b>Agaricinsäure</b>	$C_{16}H_{30}O_5$	<b>Alizarin</b>	$C_4H_6O_4$
		<b>Agaricol</b>	$C_{10}H_{16}O$	<b>Alizarinamid</b>	$C_4H_6O_4N$
		$C_{10}H_{22}O_11$		<b>Alizarinblau</b>	$C_{17}H_{20}O_4N$
		<b>Agavose</b>	$C_9H_{22}O_11$	<b>Alizarinblauamid</b>	$C_{17}H_{16}O_5N_2X_2$
		<b>Agoniadin</b>	$C_{10}H_{14}O_6$	<b>Alizarineyanin</b>	$C_{14}H_6O_7$
		<b>Akonitanäsäure</b>	$C_{12}H_{10}O_4N$	<b>Alizingelb</b>	$C_{15}H_{10}O_4$
		<b>Akonitsäure</b>	$C_8H_8O_6$	<b>Alizingrün</b>	$C_{17}H_9O_4NS$
		<b>Akonsäure</b>	$C_4H_4O_4$		
		<b>Akradin</b>	$C_{15}H_9N$		

Alizarinimid	C <sub>14</sub> H <sub>7</sub> O <sub>2</sub> N	Amphelochroinsäure	C <sub>6</sub> H <sub>10</sub> ON <sub>2</sub>
Alizarinidigblau	C <sub>17</sub> H <sub>9</sub> O <sub>2</sub> N	C <sub>17</sub> H <sub>10</sub> O <sub>10</sub>	Anisamidin C <sub>10</sub> H <sub>16</sub> O
Alkalchlorophyll	C <sub>52</sub> H <sub>57</sub> O <sub>17</sub> N <sub>7</sub>	—	Aniscampher C <sub>18</sub> H <sub>14</sub> O <sub>9</sub>
Alkannin	C <sub>15</sub> H <sub>11</sub> O <sub>4</sub> N	—	Anishumin C <sub>18</sub> H <sub>14</sub> O <sub>9</sub>
Allansäure	C <sub>4</sub> H <sub>9</sub> O <sub>5</sub> N <sub>3</sub>	Amphikreatinin C <sub>8</sub> H <sub>19</sub> O <sub>4</sub> N <sub>7</sub>	Anishydramid C <sub>24</sub> H <sub>44</sub> O <sub>3</sub> N <sub>2</sub>
Allantoïn	C <sub>6</sub> H <sub>6</sub> O <sub>4</sub> N <sub>4</sub>	Amphopepton	Anisil C <sub>16</sub> H <sub>14</sub> O <sub>4</sub>
Allantoinsäure	C <sub>7</sub> H <sub>11</sub> O <sub>4</sub> N <sub>4</sub>	C <sub>10</sub> H <sub>17</sub> O <sub>4</sub> N <sub>9</sub> S	Anisolsäure C <sub>16</sub> H <sub>16</sub> O <sub>5</sub>
Allantoxydin	C <sub>8</sub> H <sub>9</sub> O <sub>7</sub> N <sub>3</sub>	Amydekylenäsre C <sub>10</sub> H <sub>18</sub> O <sub>2</sub>	Anisin C <sub>9</sub> H <sub>9</sub> O <sub>2</sub> N <sub>3</sub>
Allantoxansäure	C <sub>7</sub> H <sub>10</sub> O <sub>3</sub> N <sub>3</sub>	Amygdalin C <sub>20</sub> H <sub>27</sub> O <sub>11</sub> N	Anisodiureid C <sub>10</sub> H <sub>14</sub> O <sub>3</sub> N <sub>4</sub>
Allantursäure	C <sub>9</sub> H <sub>11</sub> O <sub>6</sub> N <sub>2</sub>	Amygdalinsäure C <sub>20</sub> H <sub>18</sub> O <sub>12</sub>	Anisoïl C <sub>16</sub> H <sub>12</sub> O
Allitursäure	C <sub>8</sub> H <sub>9</sub> O <sub>6</sub> N <sub>4</sub>	Amygdopholin C <sub>17</sub> H <sub>17</sub> O <sub>5</sub> N	— C <sub>16</sub> H <sub>16</sub> O <sub>4</sub>
Allocamphytinsäure	C <sub>9</sub> H <sub>14</sub> O <sub>4</sub>	Amylyan C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Anisol C <sub>7</sub> H <sub>8</sub> O
Allocinchonin	C <sub>19</sub> H <sub>27</sub> ON <sub>2</sub>	Amylyen C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>	Anisolisatin C <sub>23</sub> H <sub>19</sub> O <sub>5</sub> N
Allofluorescein	C <sub>14</sub> H <sub>8</sub> O <sub>4</sub>	Amylenvaleron C <sub>14</sub> H <sub>20</sub> O <sub>9</sub>	Anissäure C <sub>9</sub> H <sub>8</sub> O <sub>3</sub>
—	C <sub>20</sub> H <sub>14</sub> O <sub>6</sub>	Amylodextrin C <sub>20</sub> H <sub>47</sub> O <sub>31</sub>	Anisuraminsäure C <sub>9</sub> H <sub>10</sub> O <sub>4</sub> N <sub>2</sub>
Allakaffein	C <sub>8</sub> H <sub>9</sub> O <sub>2</sub> N <sub>3</sub>	Amyloyd C <sub>17</sub> H <sub>20</sub> O <sub>15</sub>	Anisylcoacain C <sub>18</sub> H <sub>23</sub> O <sub>4</sub> N
Allakkaffursäure	C <sub>7</sub> H <sub>11</sub> O <sub>4</sub> N <sub>3</sub>	Amylum C <sub>9</sub> H <sub>18</sub> O <sub>9</sub>	Anisyleggonin C <sub>17</sub> H <sub>21</sub> O <sub>5</sub> N
Allolemonin	C <sub>10</sub> H <sub>13</sub> O	Amyrilen C <sub>9</sub> H <sub>18</sub>	Anisylhydroresorcin C <sub>19</sub> H <sub>14</sub> O <sub>3</sub>
Allophansäure	C <sub>5</sub> H <sub>14</sub> O <sub>3</sub> N <sub>7</sub>	Amyrilen C <sub>20</sub> H <sub>50</sub> O	Anol C <sub>9</sub> H <sub>10</sub> O
Allophanylweinsäure	C <sub>6</sub> H <sub>9</sub> O <sub>8</sub> N <sub>2</sub>	Amyron C <sub>36</sub> H <sub>44</sub> O <sub>4</sub>	Anthemhen C <sub>18</sub> H <sub>26</sub>
—	C <sub>19</sub> H <sub>20</sub> O <sub>11</sub> N <sub>2</sub>	Anabasinthin C <sub>14</sub> H <sub>11</sub> O <sub>4</sub>	Anthemol C <sub>19</sub> H <sub>16</sub> O
Alloschlußsäure	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	Anacardiksäure C <sub>27</sub> H <sub>17</sub> O <sub>3</sub>	Anthracen C <sub>14</sub> H <sub>10</sub>
Alloxan	C <sub>6</sub> H <sub>9</sub> O <sub>9</sub> N <sub>3</sub>	Anagyrin C <sub>14</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub>	Anthracinolin C <sub>17</sub> H <sub>11</sub> N
Alloxansäure	C <sub>6</sub> H <sub>4</sub> O <sub>4</sub> N <sub>2</sub>	Anamirtin C <sub>16</sub> H <sub>12</sub> O <sub>10</sub>	Anthracinon C <sub>11</sub> H <sub>8</sub> O <sub>2</sub>
Alloxanthin	C <sub>9</sub> H <sub>8</sub> O <sub>6</sub> N <sub>4</sub>	Andromedotoxin C <sub>21</sub> H <sub>50</sub> O <sub>10</sub>	Anthracryson C <sub>14</sub> H <sub>10</sub> O <sub>6</sub>
Alloxanthinbarstoff	C <sub>19</sub> H <sub>20</sub> O <sub>11</sub> N <sub>2</sub>	Anemonin C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Authracumarin C <sub>16</sub> H <sub>8</sub> O <sub>2</sub>
—	C <sub>19</sub> H <sub>20</sub> O <sub>11</sub> N <sub>2</sub>	Anemonosäure C <sub>20</sub> H <sub>12</sub> O <sub>4</sub>	Anthraflavinsäure C <sub>14</sub> H <sub>8</sub> O <sub>4</sub>
Alloxazin	C <sub>6</sub> H <sub>4</sub> O <sub>7</sub> N <sub>4</sub>	Anemonensäure C <sub>20</sub> H <sub>10</sub> O <sub>3</sub>	Anthragallol C <sub>14</sub> H <sub>9</sub> O <sub>5</sub>
—	C <sub>10</sub> H <sub>6</sub> O <sub>8</sub> N <sub>3</sub>	Anethol C <sub>10</sub> H <sub>12</sub> O	Anthranil C <sub>6</sub> H <sub>5</sub> ON
Allozimtsäure	C <sub>9</sub> H <sub>11</sub> O <sub>2</sub>	Angelaktinsäure C <sub>8</sub> H <sub>10</sub> O <sub>3</sub>	Anthranilsäure C <sub>7</sub> H <sub>9</sub> O <sub>2</sub> N
Allursäure	C <sub>8</sub> H <sub>9</sub> O <sub>4</sub> N <sub>4</sub>	Angelikasäure C <sub>9</sub> H <sub>8</sub> O <sub>2</sub>	Anthrapurpurin C <sub>14</sub> H <sub>8</sub> O <sub>5</sub>
—	C <sub>5</sub> H <sub>6</sub> O <sub>5</sub> N <sub>4</sub>	Anglicerinsäure C <sub>5</sub> H <sub>10</sub> O <sub>4</sub>	Anthrapyridin C <sub>15</sub> H <sub>9</sub> N
Allylen	C <sub>5</sub> H <sub>4</sub>	Angosturin C <sub>12</sub> H <sub>12</sub> O <sub>5</sub>	Anthropyridinchinon C <sub>15</sub> H <sub>8</sub> O <sub>2</sub> N
Alöresinsäure	C <sub>7</sub> H <sub>6</sub> O <sub>6</sub> N	Angusturaöl C <sub>15</sub> H <sub>10</sub> O <sub>4</sub>	Anthraruin C <sub>14</sub> H <sub>8</sub> O <sub>4</sub>
—	C <sub>15</sub> H <sub>16</sub> O <sub>7</sub>	Anhalin C <sub>26</sub> H <sub>17</sub> ON	Anthrol C <sub>14</sub> H <sub>10</sub> O
Aloërefinsäure	C <sub>5</sub> H <sub>8</sub> O <sub>15</sub>	Anhalonidin C <sub>27</sub> H <sub>15</sub> O <sub>3</sub> N	Anthroxanaldehyd C <sub>9</sub> H <sub>8</sub> O <sub>2</sub> N
Aloëtinssäure	C <sub>1</sub> H <sub>11</sub> O <sub>10</sub> N <sub>4</sub>	Anhalonin C <sub>13</sub> H <sub>15</sub> N <sub>3</sub>	Anthroxansäure C <sub>8</sub> H <sub>8</sub> O <sub>3</sub> N
Aloëxanthin	C <sub>15</sub> H <sub>10</sub> O <sub>6</sub>	Anhydroacouatin C <sub>33</sub> H <sub>45</sub> O <sub>11</sub> N	Antiahbar C <sub>24</sub> H <sub>36</sub> O
Aloïn	C <sub>17</sub> H <sub>18</sub> O <sub>7</sub>	Anhydroacoprasäure C <sub>24</sub> H <sub>14</sub> O <sub>11</sub>	Antialbumid C <sub>12</sub> H <sub>17</sub> O <sub>27</sub> S
Alonigrin	C <sub>22</sub> H <sub>19</sub> O <sub>6</sub>	Anhydrodiglotixigenin C <sub>27</sub> H <sub>20</sub> O <sub>3</sub>	Antiarigenin C <sub>21</sub> H <sub>20</sub> O <sub>5</sub>
Alorcinsäure	C <sub>14</sub> H <sub>10</sub> O <sub>3</sub>	Anhydroditsäure C <sub>10</sub> H <sub>14</sub> O <sub>2</sub>	Antiarin C <sub>27</sub> H <sub>17</sub> O <sub>10</sub>
Aloresittanol	C <sub>22</sub> H <sub>26</sub> O <sub>6</sub>	— C <sub>10</sub> H <sub>16</sub> O <sub>4</sub>	Antiarol C <sub>9</sub> H <sub>19</sub> O <sub>4</sub>
Alpinin	C <sub>17</sub> H <sub>15</sub> O <sub>3</sub>	Anhydroecongin C <sub>21</sub> H <sub>19</sub> O <sub>9</sub> N	Antiarose C <sub>13</sub> H <sub>15</sub> O <sub>5</sub>
Alstonin	C <sub>21</sub> H <sub>20</sub> O <sub>8</sub> N <sub>3</sub>	Anhydroennealeptit C <sub>9</sub> H <sub>18</sub> O <sub>6</sub>	Antipepton C <sub>10</sub> H <sub>15</sub> O <sub>3</sub> N <sub>3</sub>
Amalinsäure	C <sub>11</sub> H <sub>14</sub> O <sub>4</sub> N <sub>4</sub>	Anhydrogeranolin C <sub>10</sub> H <sub>16</sub>	— C <sub>10</sub> H <sub>17</sub> O <sub>19</sub> N <sub>20</sub> S
Amanitin	C <sub>15</sub> H <sub>18</sub> O <sub>7</sub> N	Anhydroglykoprygallo C <sub>9</sub> H <sub>14</sub> O <sub>4</sub>	Antipyprin C <sub>1</sub> H <sub>11</sub> ON <sub>2</sub>
—	C <sub>19</sub> H <sub>18</sub> O <sub>6</sub>	Anhydrohomoconiinsäure C <sub>n</sub> H <sub>15</sub> ON	Antipyralinoxan C <sub>15</sub> H <sub>14</sub> O <sub>5</sub> N <sub>4</sub>
Amarin	C <sub>11</sub> H <sub>18</sub> N <sub>4</sub>	Anhydrolupulin C <sub>21</sub> H <sub>25</sub> ON <sub>2</sub>	Apigenin C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>
Amaron	C <sub>29</sub> H <sub>20</sub> N <sub>2</sub>	Anilbenzyl C <sub>29</sub> H <sub>15</sub> ON	Apium C <sub>27</sub> H <sub>29</sub> O <sub>10</sub> <sup>1</sup>
Amarsäure	C <sub>29</sub> H <sub>22</sub> O <sub>9</sub>	Anilin C <sub>6</sub> H <sub>5</sub> N	Apiol C <sub>13</sub> H <sub>14</sub> O <sub>4</sub>
Amasanitin	C <sub>14</sub> H <sub>11</sub> O <sub>3</sub> N <sub>4</sub>	Anilinol C <sub>21</sub> H <sub>17</sub> ON	Apolsäure C <sub>10</sub> H <sub>16</sub> O <sub>6</sub>
Ambräin	C <sub>23</sub> H <sub>45</sub> O	Anilinbenzyl C <sub>29</sub> H <sub>15</sub> ON	Apion C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>
Ameisenäsure	CH <sub>2</sub> O <sub>2</sub>	Anilin C <sub>6</sub> H <sub>5</sub> N	Apionakrylsäure C <sub>13</sub> H <sub>19</sub> O <sub>6</sub>
Amethensäure	C <sub>2</sub> H <sub>14</sub> O <sub>2</sub>	Anilinmallokan C <sub>19</sub> H <sub>16</sub> O <sub>4</sub> N <sub>3</sub>	Apionerototsäure C <sub>13</sub> H <sub>14</sub> O <sub>6</sub>
Amidoazophenyle	C <sub>6</sub> H <sub>5</sub> N <sub>2</sub>	Anilinmalloxan C <sub>21</sub> H <sub>16</sub> O <sub>4</sub> N <sub>3</sub>	Apionylglyoxyleäure C <sub>11</sub> H <sub>10</sub> O <sub>7</sub>
Amisatin	C <sub>4</sub> H <sub>39</sub> O <sub>9</sub> N <sub>11</sub>	Anilinschwarz C <sub>20</sub> H <sub>25</sub> N <sub>5</sub>	Apoaconitin C <sub>22</sub> H <sub>42</sub> O <sub>11</sub> N
Ammelid	C <sub>6</sub> H <sub>9</sub> O <sub>5</sub> N <sub>3</sub>	Anilinpapaverinsäure C <sub>22</sub> H <sub>18</sub> O <sub>8</sub> N	Apoatropin C <sub>17</sub> H <sub>9</sub> O <sub>9</sub> N
Annelidoessigsäure	C <sub>5</sub> H <sub>6</sub> O <sub>4</sub> N <sub>4</sub>	Aniluvitominäsure C <sub>11</sub> H <sub>10</sub> O <sub>2</sub> N	Apochinamin C <sub>19</sub> H <sub>22</sub> ON <sub>2</sub>
—	C <sub>5</sub> H <sub>6</sub> O <sub>4</sub> N <sub>4</sub>	Auillylmelamin C <sub>21</sub> H <sub>21</sub> N <sub>5</sub>	Apochinin C <sub>21</sub> H <sub>20</sub> O <sub>7</sub> N <sub>2</sub>
Ammelin	C <sub>5</sub> H <sub>5</sub> ON <sub>5</sub>	Anisalcumaranon C <sub>16</sub> H <sub>19</sub> O <sub>3</sub>	Apocinchon C <sub>19</sub> H <sub>19</sub> ON
Ammonchelidonsäure	C <sub>7</sub> H <sub>5</sub> O <sub>3</sub> N	Anisaldehyd C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	Apocinchonin C <sub>19</sub> H <sub>22</sub> ON <sub>2</sub>
—	C <sub>7</sub> H <sub>5</sub> O <sub>3</sub> N	Anisalpaeonol C <sub>17</sub> H <sub>16</sub> O <sub>4</sub>	
Annioresittanol	C <sub>1</sub> H <sub>18</sub> H <sub>20</sub> O <sub>9</sub>		

Apocinchonidin	C <sub>19</sub> H <sub>22</sub> ON <sub>2</sub>	Artolin	C <sub>18</sub> H <sub>28</sub> O <sub>5</sub> N <sub>5</sub> S
Apocinchonin	C <sub>19</sub> H <sub>22</sub> ON <sub>2</sub>	Asaresinotannol	C <sub>21</sub> H <sub>24</sub> O <sub>5</sub>
Apocodein	C <sub>19</sub> H <sub>22</sub> ON <sub>2</sub>	Asaron	C <sub>19</sub> H <sub>20</sub> O <sub>5</sub>
Apoconchinin	C <sub>19</sub> H <sub>22</sub> O <sub>2</sub> N <sub>2</sub>	Asaronsäure	C <sub>19</sub> H <sub>12</sub> O <sub>5</sub>
Apoglucinsäure	C <sub>9</sub> H <sub>10</sub> O <sub>5</sub>	Asclepion	C <sub>20</sub> H <sub>24</sub> O <sub>3</sub>
—	C <sub>9</sub> H <sub>22</sub> O <sub>11</sub>	Asebofuscin	C <sub>19</sub> H <sub>18</sub> O <sub>6</sub>
Apoharmin	C <sub>8</sub> H <sub>8</sub> N <sub>7</sub>	Asebogenin	C <sub>19</sub> H <sub>18</sub> O <sub>7</sub>
Apoisocinechomnin	C <sub>19</sub> H <sub>22</sub> ON <sub>2</sub>	Asebotin	C <sub>19</sub> H <sub>20</sub> O <sub>12</sub>
Apokafotin	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub> N <sub>1</sub>	Asebotoxin	C <sub>21</sub> H <sub>50</sub> O <sub>10</sub>
Apokotinin	C <sub>8</sub> H <sub>8</sub> ON <sub>3</sub>	Asellin	C <sub>20</sub> H <sub>32</sub> N <sub>4</sub>
Apomorphin	C <sub>17</sub> H <sub>17</sub> O <sub>7</sub> N	Asellinum	C <sub>17</sub> H <sub>22</sub> O <sub>2</sub>
Aponsäure	C <sub>14</sub> H <sub>12</sub> O <sub>6</sub>	Asparacemsäure	C <sub>11</sub> H <sub>10</sub> O <sub>4</sub> N
Apophyllensäure	C <sub>11</sub> H <sub>10</sub> O <sub>4</sub> N	Asparagin	C <sub>12</sub> H <sub>9</sub> O <sub>9</sub> N <sub>2</sub>
Apopseudoaconin	C <sub>27</sub> H <sub>39</sub> O <sub>6</sub> N	Asparaginsäure	C <sub>14</sub> H <sub>7</sub> O <sub>4</sub> N
Apopseudoconitin	C <sub>36</sub> H <sub>47</sub> O <sub>11</sub> N	Aspidin	C <sub>23</sub> H <sub>32</sub> O <sub>7</sub>
Aposafrauin	C <sub>19</sub> H <sub>11</sub> N <sub>3</sub>	Aspidosamin	C <sub>22</sub> H <sub>28</sub> O <sub>9</sub> N <sub>2</sub>
Aposafraun	C <sub>18</sub> H <sub>12</sub> ON <sub>2</sub>	Aspidospermatin	C <sub>22</sub> H <sub>28</sub> O <sub>9</sub> N <sub>2</sub>
Aposorbinsäure	C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Aspidospermidin	C <sub>22</sub> H <sub>30</sub> O <sub>9</sub> N <sub>2</sub>
Apotheobromin	C <sub>6</sub> H <sub>10</sub> O <sub>3</sub> N <sub>2</sub>	Assamar	C <sub>29</sub> H <sub>50</sub> O <sub>11</sub>
Apovellosidin	C <sub>45</sub> H <sub>84</sub> O <sub>6</sub> N <sub>3</sub>	Athamanitin	C <sub>24</sub> H <sub>10</sub> O <sub>7</sub>
Apovellosin	C <sub>46</sub> H <sub>84</sub> O <sub>7</sub> N <sub>4</sub>	Atisin	C <sub>25</sub> H <sub>21</sub> O <sub>9</sub>
Apovellohol	C <sub>49</sub> H <sub>10</sub> O <sub>4</sub> N <sub>4</sub>	—	C <sub>46</sub> H <sub>84</sub> O <sub>9</sub>
Arabin	C <sub>10</sub> H <sub>11</sub> O <sub>9</sub>	Atisinhydrat	C <sub>22</sub> H <sub>13</sub> O <sub>3</sub> N
Arabinochloral	C <sub>7</sub> H <sub>9</sub> O <sub>3</sub> Cl <sub>3</sub>	Atractylen	C <sub>20</sub> H <sub>30</sub> O <sub>6</sub>
Arabinon	C <sub>10</sub> H <sub>11</sub> O <sub>9</sub>	Attractylsäure	C <sub>30</sub> H <sub>51</sub> O <sub>13</sub> S <sub>2</sub>
Arabinosamin	C <sub>5</sub> H <sub>11</sub> O <sub>4</sub> N	Atranorin	C <sub>19</sub> H <sub>18</sub> O <sub>6</sub>
Arabinose	C <sub>5</sub> H <sub>10</sub> O <sub>5</sub>	Atranorinsäure	C <sub>7</sub> H <sub>9</sub> O <sub>3</sub>
—	C <sub>23</sub> H <sub>38</sub> O <sub>22</sub>	—	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>
—	C <sub>29</sub> H <sub>48</sub> O <sub>27</sub>	—	C <sub>18</sub> H <sub>18</sub> O <sub>9</sub>
—	C <sub>35</sub> H <sub>58</sub> O <sub>32</sub>	Atrarsäure	C <sub>10</sub> H <sub>10</sub> O <sub>8</sub>
—	C <sub>41</sub> H <sub>68</sub> O <sub>37</sub>	Atripasäure	C <sub>6</sub> H <sub>10</sub> O <sub>12</sub>
—	C <sub>71</sub> H <sub>111</sub> O <sub>59</sub>	Atroglycerinsäure	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>
Arabinoxyethylmerkapta	C <sub>8</sub> H <sub>14</sub> O <sub>4</sub> S <sub>2</sub>	Atraktolinsäure	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>
Arabinosecarbonsäure	C <sub>6</sub> H <sub>9</sub> O <sub>7</sub>	Atronol	C <sub>6</sub> H <sub>14</sub>
Arabinosidoglykonsäure	C <sub>11</sub> H <sub>10</sub> O <sub>11</sub>	Atronsäure	C <sub>17</sub> H <sub>14</sub> O <sub>7</sub>
Arabinosine	C <sub>10</sub> H <sub>18</sub> O <sub>9</sub>	Atropausäure	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>
Arabinsäure	C <sub>10</sub> H <sub>18</sub> O <sub>9</sub>	Atropin	C <sub>17</sub> H <sub>23</sub> O <sub>3</sub> N
—	C <sub>9</sub> H <sub>11</sub> O <sub>12</sub>	Atropyltropin	C <sub>17</sub> H <sub>21</sub> O <sub>2</sub> N
Arabit	C <sub>8</sub> H <sub>12</sub> O <sub>5</sub>	Atroscin	C <sub>12</sub> H <sub>21</sub> O <sub>4</sub> N
Arabonsäure	C <sub>5</sub> H <sub>10</sub> O <sub>6</sub>	Atroxindol	C <sub>9</sub> H <sub>9</sub> ON
Arachinsäure	C <sub>10</sub> H <sub>18</sub> O <sub>2</sub>	Auramin	C <sub>17</sub> H <sub>21</sub> N <sub>3</sub>
Arachitdin	C <sub>10</sub> H <sub>18</sub> O <sub>2</sub>	Aurantiothiol	C <sub>10</sub> H <sub>18</sub> O
Arbutin	C <sub>12</sub> H <sub>16</sub> O <sub>7</sub>	Aurantiamarinäsäure	C <sub>10</sub> H <sub>12</sub> O <sub>4</sub>
Arekaädin	C <sub>11</sub> H <sub>11</sub> O <sub>2</sub> N	Aurantiin	C <sub>21</sub> H <sub>26</sub> O <sub>11</sub>
Arekaän	C <sub>11</sub> H <sub>11</sub> O <sub>2</sub> N	Aurin	C <sub>7</sub> H <sub>9</sub> H <sub>4</sub> O <sub>3</sub>
Arekolin	C <sub>8</sub> H <sub>10</sub> O <sub>2</sub> N	Auron	C <sub>9</sub> H <sub>20</sub> O <sub>6</sub>
Arginin	C <sub>9</sub> H <sub>14</sub> O <sub>7</sub> N <sub>4</sub>	Austracaphen	C <sub>10</sub> H <sub>16</sub>
Argyräsetin	C <sub>21</sub> H <sub>18</sub> O <sub>6</sub>	Axinsäure	C <sub>18</sub> H <sub>78</sub> O <sub>2</sub>
Argyriascin	C <sub>22</sub> H <sub>18</sub> O <sub>12</sub>	Azelainketon	C <sub>14</sub> H <sub>14</sub> O
Aribin	C <sub>21</sub> H <sub>20</sub> N <sub>2</sub>	Azelainsäure	C <sub>9</sub> H <sub>16</sub> O <sub>4</sub>
Aricin	C <sub>21</sub> H <sub>18</sub> O <sub>2</sub> N <sub>2</sub>	Azelaol	C <sub>9</sub> H <sub>16</sub> O
Aristidinsäure	C <sub>14</sub> H <sub>11</sub> O <sub>7</sub> N <sub>2</sub>	Azelon	C <sub>11</sub> H <sub>10</sub> O
Aristinsäure	C <sub>18</sub> H <sub>12</sub> O <sub>2</sub> N <sub>2</sub>	Azelomalsäure	C <sub>9</sub> H <sub>16</sub> O <sub>5</sub>
Aristolin	C <sub>15</sub> H <sub>28</sub> O <sub>3</sub>	Azimidobenzosäure	C <sub>7</sub> H <sub>8</sub> O <sub>3</sub> N <sub>2</sub>
Aristolochin	C <sub>22</sub> H <sub>28</sub> O <sub>12</sub> N <sub>2</sub>	C <sub>7</sub> H <sub>8</sub> O <sub>3</sub> N <sub>2</sub>	
Aristolsäure	C <sub>15</sub> H <sub>11</sub> O <sub>7</sub> N <sub>2</sub>	Azimidobenzol	C <sub>9</sub> H <sub>7</sub> N <sub>2</sub>
Arnielin	C <sub>20</sub> H <sub>30</sub> O <sub>4</sub>	Azimidol	C <sub>9</sub> H <sub>8</sub> ON <sub>1</sub>
Aromadendrin	C <sub>29</sub> H <sub>28</sub> O <sub>12</sub>	Azimidotololin	C <sub>7</sub> H <sub>7</sub> N <sub>1</sub>
Arsenobenzol	C <sub>19</sub> H <sub>11</sub> A <sub>2</sub>	Azinbersteinsäure	C <sub>8</sub> H <sub>6</sub> O <sub>2</sub> N <sub>2</sub>
Arsenonaphthalin	C <sub>20</sub> H <sub>14</sub> A <sub>2</sub>	Azoanissäure	C <sub>6</sub> H <sub>4</sub> H <sub>3</sub> O <sub>6</sub> N <sub>2</sub>
Artarin	C <sub>21</sub> H <sub>20</sub> O <sub>4</sub> N	Azobenzol	C <sub>21</sub> H <sub>11</sub> O <sub>5</sub> N
Artesemini	C <sub>15</sub> H <sub>15</sub> O <sub>4</sub>	Azobenzolid	C <sub>7</sub> H <sub>5</sub> H <sub>3</sub> N <sub>3</sub>
		Azobenzol	C <sub>12</sub> H <sub>10</sub> N <sub>2</sub>
		Azobenzoyl	C <sub>27</sub> H <sub>16</sub> N <sub>2</sub>
		Azocomphanon	C <sub>15</sub> H <sub>22</sub> O <sub>9</sub> N <sub>2</sub>
		Azoconhydrin	C <sub>9</sub> H <sub>15</sub> ON <sub>2</sub>
		Azocymol	C <sub>29</sub> H <sub>20</sub> N <sub>2</sub>
		Azodicarbonsäure	C <sub>11</sub> H <sub>9</sub> O <sub>4</sub> N <sub>2</sub>
		Azodioxindol	C <sub>8</sub> H <sub>6</sub> O <sub>2</sub> N <sub>2</sub>
		Azodiphenylblau	C <sub>14</sub> H <sub>15</sub> N <sub>3</sub>
		Azoiimidokaffein	C <sub>8</sub> H <sub>9</sub> O <sub>2</sub> N <sub>2</sub>
		Azoisatin	C <sub>9</sub> H <sub>10</sub> ON <sub>3</sub>
		Azomekoninessigsäure	C <sub>8</sub> H <sub>12</sub> O <sub>2</sub> N <sub>2</sub>
		Azomesitylen	C <sub>18</sub> H <sub>20</sub> N <sub>2</sub>
		Azoncarbonsäure	C <sub>9</sub> H <sub>8</sub> ON <sub>2</sub>
		Azooiansäure	C <sub>10</sub> H <sub>9</sub> O <sub>5</sub> N
		—	C <sub>20</sub> H <sub>18</sub> O <sub>10</sub> N <sub>2</sub>
		—	C <sub>20</sub> H <sub>20</sub> O <sub>9</sub> N <sub>2</sub>
		Azoocrin	C <sub>14</sub> H <sub>11</sub> O <sub>3</sub> N
		Azophenin	C <sub>30</sub> H <sub>94</sub> N <sub>4</sub>
		Azophenyl	C <sub>15</sub> H <sub>8</sub> N <sub>2</sub>
		Azophenylmethazonsäure	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub> N <sub>4</sub>
		Azopseudoucnol	C <sub>18</sub> H <sub>29</sub> N <sub>2</sub>
		Azoresorcin	C <sub>17</sub> H <sub>10</sub> ON <sub>3</sub>
		Azoresorufyl	C <sub>24</sub> H <sub>11</sub> O <sub>5</sub> N <sub>2</sub> Cl <sub>2</sub>
		Azostyrol	C <sub>16</sub> H <sub>14</sub> N <sub>2</sub>
		Azotetrazol	C <sub>9</sub> H <sub>11</sub> N <sub>10</sub>
		Azotriazol	C <sub>9</sub> H <sub>11</sub> N <sub>4</sub>
		Azoxybenzol	C <sub>12</sub> H <sub>10</sub> ON <sub>3</sub>
		Azulminäsure	C <sub>9</sub> H <sub>3</sub> ON <sub>3</sub>
		—	C <sub>8</sub> H <sub>10</sub> ON <sub>3</sub>
		Azulinoxin	C <sub>9</sub> H <sub>9</sub> O <sub>3</sub> N <sub>5</sub>
		Azurilsäure	C <sub>4</sub> H <sub>4</sub> O <sub>5</sub> N <sub>5</sub>
		Azurin	C <sub>25</sub> H <sub>32</sub> O <sub>3</sub> N <sub>4</sub>
		Balata	C <sub>10</sub> H <sub>16</sub>
		Baphiasäure	C <sub>24</sub> H <sub>22</sub> O <sub>10</sub>
		Baphiin	C <sub>17</sub> H <sub>10</sub> O <sub>4</sub>
		Baphinitin	C <sub>4</sub> H <sub>4</sub> O
		Baphinoton	C <sub>29</sub> H <sub>60</sub> O <sub>6</sub>
		Baptigenetin	C <sub>12</sub> H <sub>10</sub> O <sub>4</sub>
		Baptigenin	C <sub>14</sub> H <sub>12</sub> O <sub>6</sub>
		Baptism	C <sub>26</sub> H <sub>22</sub> O <sub>14</sub>
		Barbaloin	C <sub>16</sub> H <sub>10</sub> O <sub>7</sub>
		—	C <sub>16</sub> H <sub>18</sub> O <sub>7</sub>
		Barbatin	C <sub>9</sub> H <sub>14</sub> O
		Barbatinsäure	C <sub>19</sub> H <sub>20</sub> O <sub>7</sub>
		—	C <sub>22</sub> H <sub>20</sub> O <sub>6</sub>
		Barbitursäure	C <sub>4</sub> H <sub>4</sub> O <sub>3</sub> N <sub>2</sub>
		Basilicumamphet	C <sub>15</sub> H <sub>20</sub> O
		Bassorin	C <sub>6</sub> H <sub>10</sub> O <sub>3</sub>
		Bastin	C <sub>19</sub> H <sub>24</sub> O <sub>3</sub>
		Bebeerin	C <sub>13</sub> H <sub>21</sub> O <sub>3</sub> N
		Belurin	C <sub>18</sub> H <sub>21</sub> O <sub>3</sub> N
		Behenolsäure	C <sub>27</sub> H <sub>40</sub> O <sub>2</sub>
		Behensäure	C <sub>22</sub> H <sub>44</sub> O <sub>3</sub>
		Belladonit	C <sub>7</sub> H <sub>7</sub> H <sub>3</sub> N <sub>2</sub>
		Bellatropin	C <sub>11</sub> H <sub>13</sub> O <sub>2</sub> N
		Benylen	C <sub>15</sub> H <sub>28</sub>
		Beuzacinc	C <sub>22</sub> H <sub>17</sub> ON <sub>3</sub>
		Benzalazin	C <sub>14</sub> H <sub>12</sub> N <sub>2</sub>
		Benzaldiacetonamin	C <sub>13</sub> H <sub>17</sub> ON
		Benzaldiacetonin	C <sub>13</sub> H <sub>17</sub> N

Benzaldoxim	C <sub>7</sub> H <sub>6</sub> ON	Benztriazol	C <sub>8</sub> H <sub>5</sub> N <sub>3</sub>	Brenztraubensäure	C <sub>8</sub> H <sub>6</sub> O <sub>3</sub>
Benzalimid	C <sub>8</sub> H <sub>6</sub> O <sub>2</sub> N <sub>2</sub>	Berbamin	C <sub>18</sub> H <sub>19</sub> O <sub>5</sub> N	Brenzweinsäure	C <sub>8</sub> H <sub>6</sub> O <sub>4</sub>
Benzalpaconol	C <sub>10</sub> H <sub>14</sub> O <sub>3</sub>	Berberal	C <sub>30</sub> H <sub>11</sub> O <sub>2</sub> N	Bromal	C <sub>2</sub> HOB <sub>Br</sub>
Benzalpinakolin	C <sub>13</sub> H <sub>16</sub> O	Berberilsäure	C <sub>20</sub> H <sub>14</sub> O <sub>4</sub> N	Bromalid	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> Br <sub>2</sub>
Benzamaron	C <sub>35</sub> H <sub>32</sub> O <sub>9</sub>	Berberin	C <sub>20</sub> H <sub>17</sub> O <sub>4</sub> N	Bromalurethan	C <sub>5</sub> H <sub>6</sub> O <sub>2</sub> NBr <sub>2</sub>
Benzaminsäure	C <sub>7</sub> H <sub>6</sub> O <sub>2</sub> N	Berberinsäure	C <sub>6</sub> H <sub>6</sub> O <sub>4</sub>	Bromitonäsure	C <sub>3</sub> H <sub>4</sub> O <sub>2</sub> Br <sub>2</sub>
Benzazid	C <sub>6</sub> H <sub>5</sub> ON <sub>2</sub>	Berberitol	C <sub>18</sub> H <sub>13</sub> O <sub>4</sub> N	Bromocodid	C <sub>18</sub> H <sub>20</sub> O <sub>2</sub> NBr
Benzazimid	C <sub>7</sub> H <sub>6</sub> ON <sub>3</sub>	Berberonsäure	C <sub>5</sub> H <sub>8</sub> O <sub>6</sub> N	Bromoform	CHBr <sub>3</sub>
Benzbitriazol	C <sub>6</sub> H <sub>5</sub> N <sub>3</sub>	Bergapten	C <sub>12</sub> H <sub>8</sub> O <sub>4</sub>	Brucin	C <sub>22</sub> H <sub>20</sub> O <sub>4</sub> N <sub>2</sub>
Beuzcyanidin	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub> N	Bergenin	C <sub>6</sub> H <sub>6</sub> O <sub>4</sub>	Brucinsäure	C <sub>22</sub> H <sub>20</sub> O <sub>5</sub> N <sub>2</sub>
Benz diazin	C <sub>6</sub> H <sub>5</sub> N <sub>2</sub>	Bergenit	C <sub>12</sub> H <sub>10</sub> O <sub>5</sub>	Bryogenin	C <sub>20</sub> H <sub>18</sub> O <sub>4</sub>
Benzerythren	C <sub>20</sub> H <sub>16</sub>	Berlísäure	C <sub>20</sub> H <sub>15</sub> O <sub>5</sub> N	Bryoidin	C <sub>20</sub> H <sub>18</sub> O <sub>5</sub>
Benzfur an	C <sub>9</sub> H <sub>9</sub> O	Bernsteinsäure	C <sub>6</sub> H <sub>6</sub> O <sub>4</sub>	Bryonian	C <sub>20</sub> H <sub>18</sub> O <sub>5</sub>
Benzfuril	C <sub>18</sub> H <sub>14</sub> O <sub>4</sub>	Betain	C <sub>7</sub> H <sub>9</sub> O <sub>3</sub> N	Bryonia	C <sub>48</sub> H <sub>50</sub> O <sub>19</sub>
Benzfurilsäure	C <sub>11</sub> H <sub>10</sub> O <sub>4</sub>	Betulin	C <sub>6</sub> H <sub>6</sub> O <sub>6</sub>	Bryoresin	C <sub>57</sub> H <sub>68</sub> O <sub>18</sub>
Benzfuroïn	C <sub>13</sub> H <sub>10</sub> O <sub>3</sub>	Betulinaminsäure	C <sub>56</sub> H <sub>52</sub> O <sub>18</sub>	Bryoretin	C <sub>21</sub> H <sub>25</sub> O <sub>7</sub>
Benzhydramid	C <sub>21</sub> H <sub>16</sub> ON <sub>2</sub>	Betulinsäure	C <sub>56</sub> H <sub>54</sub> O <sub>6</sub>	Buchweizengelb	C <sub>15</sub> H <sub>20</sub> O <sub>10</sub>
Benzhydr azofu	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	Betulorefinsäure	C <sub>59</sub> H <sub>50</sub> O <sub>5</sub>	Bulnopapin	C <sub>19</sub> H <sub>19</sub> O <sub>4</sub> N
Benzhydroxamsäure	C <sub>7</sub> H <sub>7</sub> O <sub>3</sub> N	Bichinhydr on	C <sub>7</sub> H <sub>8</sub> O <sub>4</sub>	Buttersäure	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>
Benzid	C <sub>8</sub> H <sub>9</sub> O <sub>2</sub> N	Bichinolyl	C <sub>18</sub> H <sub>12</sub> N <sub>2</sub>	Butyllaktinsäure	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>
Benzhydrylam in	C <sub>18</sub> H <sub>13</sub> N	Bichinolyl	C <sub>15</sub> H <sub>8</sub> O <sub>4</sub>	Butyral	C <sub>6</sub> H <sub>6</sub> O
Benzhydrylphenol	C <sub>13</sub> H <sub>12</sub> O <sub>2</sub>	Bidesoxylin	C <sub>20</sub> H <sub>20</sub> O <sub>2</sub>	Buty chlora laldo l	C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> Cl <sub>3</sub>
Benzid ylopiansäure	C <sub>9</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>	Biduroehinon	C <sub>20</sub> H <sub>14</sub> O <sub>4</sub>	Buty cumarin	C <sub>11</sub> H <sub>10</sub> O <sub>2</sub>
Benzid ylphtalaldehydsäure	C <sub>20</sub> H <sub>20</sub> O <sub>4</sub> N <sub>2</sub>	Bilansäure	C <sub>20</sub> H <sub>20</sub> O <sub>6</sub>	Buty cunarsäure	C <sub>11</sub> H <sub>12</sub> O <sub>3</sub>
Benzil	C <sub>11</sub> H <sub>10</sub> O <sub>2</sub>	Bilifusin	C <sub>18</sub> H <sub>16</sub> O <sub>4</sub> N <sub>2</sub>	Buty rofuronsäure	C <sub>9</sub> H <sub>12</sub> O <sub>5</sub>
Benzil am	C <sub>21</sub> H <sub>12</sub> ON	Bilineurin	C <sub>15</sub> H <sub>10</sub> O <sub>2</sub> N	Butyroin	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>
Benzili d	C <sub>20</sub> H <sub>9</sub> O <sub>2</sub>	Bilinsäure	C <sub>16</sub> H <sub>72</sub> O <sub>6</sub>	Butyron	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>
Benziltropoïn	C <sub>22</sub> H <sub>13</sub> O <sub>5</sub> N	Biliprasin	C <sub>16</sub> H <sub>72</sub> O <sub>2</sub> N <sub>2</sub>	Buxin	C <sub>18</sub> H <sub>21</sub> O <sub>2</sub> N
Benzimid	C <sub>22</sub> H <sub>14</sub> O <sub>2</sub> N <sub>2</sub>	Bilirubin	C <sub>16</sub> H <sub>14</sub> O <sub>8</sub> N <sub>2</sub>		
Benzimidazol	C <sub>7</sub> H <sub>6</sub> N <sub>2</sub>	Biliverdin	C <sub>32</sub> H <sub>50</sub> O <sub>4</sub> N <sub>4</sub>		
Benzisothiazol	C <sub>7</sub> H <sub>5</sub> NS	Bilutidin	C <sub>14</sub> H <sub>18</sub> N <sub>2</sub>		
Benzobrenzkatechin	C <sub>13</sub> H <sub>10</sub> O <sub>8</sub>	Bindon	C <sub>16</sub> H <sub>10</sub> O <sub>8</sub>		
Benzochinon	C <sub>6</sub> H <sub>4</sub> O <sub>2</sub>	Bipikolin	C <sub>11</sub> H <sub>11</sub> N <sub>2</sub>		
Benzolsäure	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Bipyridyl	C <sub>16</sub> H <sub>8</sub> N <sub>2</sub>		
Benzohydrochinon	C <sub>13</sub> H <sub>10</sub> O <sub>5</sub>	Bisabolen	C <sub>20</sub> H <sub>32</sub>		
Benzoin	C <sub>11</sub> H <sub>10</sub> O <sub>2</sub>	Bisabolesen	C <sub>20</sub> H <sub>42</sub> O <sub>6</sub>		
Benzoinäther	C <sub>21</sub> H <sub>22</sub> O <sub>3</sub>	Bisanthyrin	C <sub>22</sub> H <sub>12</sub> O <sub>2</sub> N <sub>4</sub>		
Benzoinamid	C <sub>21</sub> H <sub>18</sub> N <sub>2</sub>	Bismarckbraun	C <sub>15</sub> H <sub>13</sub> N <sub>5</sub>		
Benzoin gelb	C <sub>21</sub> H <sub>17</sub> O <sub>4</sub>	Bithiophen	C <sub>6</sub> H <sub>6</sub> S <sub>2</sub>		
Benzofurolidam	C <sub>20</sub> H <sub>12</sub> O <sub>2</sub> N	Bitumyochinon	C <sub>30</sub> H <sub>24</sub> O <sub>4</sub>		
Benzofurimid	C <sub>20</sub> H <sub>9</sub> O <sub>2</sub> N	Biuret	C <sub>6</sub> H <sub>5</sub> O <sub>2</sub> N <sub>2</sub>		
Benzofurin	C <sub>20</sub> H <sub>9</sub> N <sub>2</sub>	Bixin	C <sub>28</sub> H <sub>42</sub> O <sub>6</sub>		
Benzofurinketazin	C <sub>20</sub> H <sub>11</sub> N <sub>2</sub> O <sub>2</sub>	Blausäure	CHN		
Benzofurinpinakon	C <sub>20</sub> H <sub>12</sub> O <sub>4</sub>	Boheastrüre	C <sub>13</sub> H <sub>10</sub> O <sub>6</sub>		
Benzol	C <sub>6</sub> H <sub>6</sub>	Boldoglykosid	C <sub>26</sub> H <sub>13</sub> O <sub>8</sub>		
Benzoleinsäure	C <sub>7</sub> H <sub>10</sub> O <sub>2</sub>	Borneocamphen	C <sub>16</sub> H <sub>16</sub>		
Benzolindon	C <sub>18</sub> H <sub>12</sub> ON <sub>2</sub>	Borneol	C <sub>10</sub> H <sub>18</sub> O		
Benzophenanthrolin	C <sub>15</sub> H <sub>10</sub> N <sub>2</sub>	Borneoleinkohlen säure	C <sub>11</sub> H <sub>18</sub> O <sub>5</sub>		
Benzophenon	C <sub>11</sub> H <sub>10</sub> O	Bornesit	C <sub>7</sub> H <sub>14</sub> O <sub>5</sub>		
Benzoresinol	C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	Bornylamin	C <sub>10</sub> H <sub>19</sub> N		
Benzosresorcin	C <sub>10</sub> H <sub>10</sub> O <sub>8</sub>	Boswellinsäure	C <sub>32</sub> H <sub>52</sub> O <sub>4</sub>		
Benzosuccinin	C <sub>11</sub> H <sub>11</sub> O <sub>6</sub>	Brasilein	C <sub>10</sub> H <sub>12</sub> O <sub>6</sub>		
Benzotriphenazin	C <sub>21</sub> H <sub>19</sub> N <sub>6</sub>	Brasilin	C <sub>16</sub> H <sub>14</sub> O <sub>5</sub>		
Benzotritolazin	C <sub>7</sub> H <sub>14</sub> N <sub>5</sub>	Brasinol	C <sub>16</sub> H <sub>14</sub> O <sub>4</sub>		
Benzylazotid	C <sub>14</sub> H <sub>12</sub> N <sub>2</sub>	Brassidinsäure	C <sub>21</sub> H <sub>14</sub> O <sub>2</sub>		
Benzypyron	C <sub>11</sub> H <sub>10</sub> O <sub>2</sub>	Brassylsäure	C <sub>13</sub> H <sub>21</sub> O <sub>4</sub>		
Benzthiazol	C <sub>7</sub> H <sub>5</sub> NS	Brenz chinoväsäure	C <sub>31</sub> H <sub>48</sub> O <sub>4</sub>		
Benzthiofur an	C <sub>8</sub> H <sub>8</sub> S	Brenz katechin	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>		
Benzthiopyron	C <sub>9</sub> H <sub>6</sub> OS	Brenz katechinphtalein	C <sub>20</sub> H <sub>14</sub> O <sub>6</sub>		
Benztriazin	C <sub>7</sub> H <sub>5</sub> N <sub>3</sub>	C <sub>7</sub> H <sub>14</sub> O <sub>6</sub>			
		Benzschleimsäure	C <sub>8</sub> H <sub>4</sub> O <sub>3</sub>		
		Benztcerebinsäure	C <sub>6</sub> H <sub>10</sub> O <sub>9</sub>		
		Benztraubenalkohol	C <sub>8</sub> H <sub>6</sub> O <sub>2</sub>		

Campherimidazolon	$C_{11}H_{16}ON_3$	Caprangsäure $C_{22}H_{26}O_{10}$	Cardsäure $C_{12}H_{24}O_5$
Campherimin	$C_{10}H_{17}N$	Caprarsäure $C_{24}H_{30}O_{12}$	Carminroth $C_{11}H_{16}O_5$
Campherolin	$C_{10}H_{18}O_2$	Caprinon $C_{11}H_{20}O_2$	Carminäsäure $C_{11}H_{16}O_{10}$
Campheroxalsäure	$C_{11}H_{16}O_4$	Caprolakton $C_6H_{10}O_2$	— $C_{12}H_{16}O_2$
Campherophor	$C_9H_{16}O$	Capron $C_{11}H_{22}O$	Carminzucker $C_6H_4O_4$
Campherpinakon	$C_{20}H_{34}O_2$	Capronsäure $C_6H_{12}O_2$	— $C_6H_6O_5$
Campfersäure	$C_{10}H_{16}O_4$	Caprylidien $C_9H_{14}$	Carmufelsäure $C_{11}H_{20}O_6$
Campfielen	$C_{10}H_{14}$	Capryliden $C_9H_{20}O$	Carnaubasäure $C_{14}H_{24}O_5$
Campfimid	$C_{10}H_{15}N$	Caprylicsäure $C_8H_{16}O_7$	Carnaubyalkohol $C_{24}H_{50}O$
Campfin	$C_{10}H_{15}$	Capuscitum $C_{20}H_{34}O_4N_3$	Carnin $C_7H_9O_4N_4$
Campfinsäure	$C_{10}H_{16}O_7$	Capusacitin $C_{20}H_{34}O_7$	Caron $C_{10}H_{16}O$
Campfocarbonatsäure	$C_{11}H_{16}O_5$	— $C_{12}H_{20}O_7$	Carotin $C_{30}H_{50}$
Camphoglykuronsäure	$C_6H_6O_6$	— $C_{12}H_{20}O_N$	Carpain $C_{14}H_{15}O_2N$
Campholakton	$C_9H_{14}O_2$	Capsulatinsäure $C_{18}H_{19}O_8$	Carpen $C_6H_{14}$
Campholaktone	$C_9H_{18}O_5$	Caramelan $C_{12}H_{16}O_9$	Carragehenschleim $C_6H_{16}O_5$
Campholalkohol	$C_{10}H_{19}O$	Caramelen $C_{26}H_{50}O_{25}$	Carthamin $C_{14}H_{16}O_7$
Campholamin	$C_9H_{21}N$	Caramelin $C_6H_4O_2$	Caruhin $C_6H_{10}O_5$
Campholen	$C_9H_{14}$	— $C_6H_4O_2$	Carubinose $C_6H_{12}O_6$
—	$C_9H_{16}$	— $C_{24}H_{16}O_{15}$	Carvakrol $C_{10}H_{14}O$
Campholenlakton	$C_{10}H_{14}O_2$	— $C_{24}H_{20}O_{15}$	Carvakrotinsäure $C_{11}H_{14}O_8$
Campholenoxydsäure	$C_{10}H_{16}O_3$	Carbacetoxylsäure $C_8H_4O_4$	Carvakrylamin $C_{10}H_{15}N$
Campholensäure	$C_{10}H_{16}O_2$	Carbamid $CH_3ON_2$	Carvanol $C_{10}H_{20}O$
Campholid	$C_{10}H_{14}O_4$	Carbamidin $CH_3N_2$	Carvanon $C_{10}H_{10}O$
Campholonsäure	$C_{10}H_{16}O_3$	Carhaminsäure $CH_2O_2N$	Carvenolid $C_{10}H_{14}O_2$
Campholonsäure	$C_{10}H_{16}O_2$	Carbanil $C_2H_5ON$	Carvenolsäure $C_{10}H_{14}O_3$
Campholonsäure	$C_{10}H_{16}O_3$	Carbazoakridon $C_{13}H_7ON$	Carveol $C_{10}H_{16}O$
Campholonsäure	$C_{10}H_{16}O_2$	Carbazol $C_8H_7N$	Carven $C_{10}H_{16}$
Campholonsäure	$C_{10}H_{16}O_2$	Carbazolihin $C_{27}H_{25}ON_3$	Carvenol $C_{10}H_{16}O$
Campholonsäure	$C_{10}H_{16}O_2$	Carbazolizin $C_{12}H_5N$	Carvenon $C_{10}H_{16}O$
Campholysäure	$C_{10}H_{16}O_2$	Carbazolsäure $C_{18}H_9O_2N$	Carvestren $C_{10}H_{16}$
Campholytischesäure	$C_9H_{14}O_2$	Carbocaprolaktonsäure	Carvolin $C_{10}H_{15}ON$
Camphoransäure	$C_9H_{12}O_6$	$C_7H_{10}O_4$	Carvon $C_{10}H_{14}O$
—	$C_9H_{14}O_7$	Carbocinchomeronsäure	Carvonpinakon $C_{19}H_{40}O_2$
Camphoransäure	$C_{10}H_{16}O_2$	$C_4H_6O_N$	Carrotanaceton $C_{10}H_{18}O$
Camphorogenol	$C_{10}H_{18}O_2$	Carbodiphenylimid $C_{15}H_{10}N_2$	Caryylamin $C_{10}H_{17}N$
Camphoranolässäure	$C_{15}H_{16}O_6N$	Carbohydrazid $CH_6ON_4$	— $C_{10}H_{19}N$
Camphoronsäure	$C_8H_{14}O_6$	Carbohydrazimin $C_2H_6N_2$	Caryophyllen $C_{16}H_{24}$
Camphorylcdein	$C_{28}H_{36}O_6N$	Carbomesyl $C_{10}H_{11}ON$	Caryophyllenhydrat $C_{15}H_{26}O$
Camphoterben	$C_{20}H_{36}$	Carbodontikotinsäure	Caryophyllin $C_{20}H_{30}O_2$
Camphoticcarbonsäure	$C_{10}H_{14}O_6$	$C_2H_6O_N$	Caryophyllinsäure $C_{20}H_{32}O_6$
Camphylamin	$C_{10}H_{16}N$	Carbonpimelinsäure $C_8H_9O_6$	Cascarillin $C_{12}H_{18}O_4$
Camphylisoxazol	$C_{11}H_{18}ON$	Carbonyldibuuret $C_5H_8O_5N_2$	Cascarin $C_{12}H_{10}O_5$
Camphylsäure	$C_9H_{12}O_2$	Carbonyldipiperatin	Casein $C_{108}H_{192}O_{72}N_{22}$
Canadin	$C_{20}H_{21}O_4N$	$C_9H_{18}ON_4$	Caasonäsäure $C_6H_6O_2$
Cancerin	$C_8H_9O_3N$	Carbonyldiurethan	Catalpinsäure $C_{14}H_{14}O_6$
Cannabidon	$C_6H_{12}O$	$C_7H_{12}O_2N_2$	Caulosterin $C_{26}H_{44}O$
Cannabinol	$C_{21}H_{28}O_2$	Carbopetrocen $C_{24}H_{16}$	Cederncampher $C_{15}H_{20}O$
Cannabinolakton	$C_{11}H_{12}O_2$	Carbopyrotitrarsäure $C_8H_8O_5$	Cedren $C_{15}H_{24}$
Cannabinolaktonsäure	$C_{11}H_{10}O_4$	Carbostyryl $C_9H_7ON$	Cediret $C_{15}H_{18}O_6$
Cantharen	$C_8H_{12}$	Carbothialdin $C_9H_{10}N_2S_2$	Cedrol $C_{15}H_{10}O$
Cantharidin	$C_{10}H_{17}O_4$	Carbousinsäure $C_{18}H_{16}O_7$	Cedron $C_{15}H_{14}O$
Cantharidinimid	$C_{10}H_{17}O_3N$	Carbovaleraldin $C_{11}H_{22}N_2S_2$	Cellulose $C_6H_{10}O_5$
Cantharidinsäure	$C_{10}H_{17}O_5$	Carbovalerolaktonsäure	— $C_{10}H_{17}O_6$
Cantharsäure	$C_{10}H_{17}O_4$	$C_6H_4O_4$	Cellulosin $C_6H_{10}O_5$
Caparrapen	$C_{18}H_{24}$	Carboxamidohippursäure	Cephaelin $C_{14}H_{20}O_2N$
Caparrapinsäure	$C_{18}H_{26}O_3$	$C_{10}H_8O_4N_4$	Cephalin $C_{42}H_{79}O_{13}N_1P$
Caparrapiol	$C_{11}H_9O$	Carbuvinsäure $C_8H_8O_5$	Cerasinose $C_6H_{12}O_6$
Caperatid	$C_{22}H_{30}O_7$	Carbylodiacetonamin	Cerberin $C_{27}H_{40}O_4$
Caperatsäure	$C_{22}H_{24}O_4$	$C_7H_{14}ON_2$	Cerberitin $C_{19}H_{30}O_4$
Caperidin	$C_{74}H_{14}O_2$	Carden $C_6H_8$	Cerberitin $C_{19}H_{26}O_4$
Caperin	$C_{36}H_{60}O_3$	Cardensäure $C_{16}H_{30}O_7$	Cerehrin $C_{19}H_{40}O_{10}N_2$
Capranid	$C_{46}H_{55}O_9$	Carol $C_{21}H_{30}O_2$	Cerebrose $C_6H_{12}O_6$
		— $C_{22}H_{30}O_3$	Cerebroside Säure $C_6H_{12}O_6$
		Cardolsäure $C_{15}H_{22}O_7$	Cerin $C_{17}H_{29}O$

Cerin	$C_{20}H_{27}O$	Chinin	$C_{20}H_{24}O_2N_2$	Chloranilaminsäure	$C_6H_5O_3NCl_2$
—	$C_{20}H_{24}O_4$	Chinindolin	$C_{15}H_{19}N_2$	Chlorkyaminsäure	$C_6H_5O_4NCl$
—	$C_{20}H_{25}O_5$	Chininsäure	$C_{11}H_9O_6N$	Chlorocodid	$C_{15}H_{20}O_9NCl$
Cerinsäure	$C_{19}H_{20}O_4$	Chinisatinsäure	$C_9H_7O_4N$	Chloroeruorin	$C_{650}H_{245}O_{157}N_{45}S_3Fe$
Ceropinsäure	$C_{20}H_{16}O_5$	Chinitoxin	$C_9H_8O_2N_2$	Chloroform	$CHCl_3$
Cerosin	$C_{24}H_{48}O$	Chinit	$C_8H_{12}O_2$	Chlorogenin	$C_9H_{20}O_4N_2$
Cerosinsäure	$C_{24}H_{48}O_2$	Chinizarin	$C_11H_8O_4$	Chlorophyll	$C_{29}H_{24}O_5N_2$
Ceroten	$C_{27}H_{54}$	Chinoathylin	$C_{21}H_{26}O_2N_2$	—	$C_{40}H_{64}O_4N_2$
Cerotonin	$C_{52}H_{106}O$	Chinoisomaylin	$C_{21}H_{32}O_2N_2$	Chlorophyllinsäure	$C_{29}H_{55}O_7N_7$
Cerotinsäure	$C_{24}H_{16}O_2$	Chinoisopropylin	$C_{22}H_{28}O_2N_2$	Chloroxynaphthalinsäure	$C_{19}H_7O_5Cl$
—	$C_{26}H_{52}O_2$	Chinolin	$C_9H_7N$	Cholansäure	$C_{25}H_{19}O_7$
—	$C_{27}H_{54}O_2$	Cholinolinchlar	$C_{11}H_8ONCl_3$	Choleamphersäure	$C_{10}H_{16}O_4$
Cerotolsäure	$C_{27}H_{52}O_2$	Chinoliningelb	$C_{18}H_{11}O_2N$	Choleinsäure	$C_{22}H_{40}O_4$
Ceryalkohol	$C_{29}H_{48}O$	Chinolinhydrochlorin	$C_{24}H_{20}O_2N_2$	Cholesten	$C_{28}H_{40}O_4$
—	$C_{27}H_{56}O$	Cholinresorcin	$C_{24}H_{20}O_2N_2$	Cholesteren	$C_{27}H_{46}O$
Cespitin	$C_7H_{13}N$	Cholininsäure	$C_9H_8O_4N$	Cholesterinsäure	$C_{19}H_{16}O_7$
Cetan	$C_{16}H_{34}$	—	$C_9H_8O_3N$	Cholesteron	$C_{27}H_{42}$
Ceten	$C_{16}H_{32}$	Chinolsäure	$C_9H_8O_4N_2$	Cholesteryläther	$C_{54}H_{86}O$
Cetrapsäure	$C_{18}H_{17}O_6$	Chinophenolazin	$C_{13}H_8O_2N_2$	Cholestan	$C_{22}H_{38}O$
Cetrarsäure	$C_{18}H_{16}O_8$	Chinophthalos	$C_{11}H_8O_2N$	Cholestanophan	$C_6H_9O_3N_3$
—	$C_{20}H_{20}O_8$	Chinophenol	$C_9H_7ON$	Cholestatrien	$C_6H_9O_3N_3$
Cetylalkohol	$C_{16}H_{34}$	Chinopropylin	$C_{22}H_{28}O_2N_2$	Cholestein	$C_{15}H_{18}O_2N_2$
Cetylen	$C_{16}H_{30}$	Chinoterpen	$C_{10}H_{16}$	Cholin	$C_{5}H_{15}O_2N$
Cetylid	$C_{21}H_{42}O_3$	Chinoxadillin	$C_{14}H_8N_4$	Chologlykolsäure	$C_{6}H_{13}O_7$
Cevadillin	$C_{34}H_{63}O_9N$	Chinoxagerbsäure	$C_{4}H_{15}O_4$	Choloidansäure	$C_{19}H_{16}O_4$
Cevadin	$C_{32}H_{49}O_9N$	Chinoxavroth	$C_{28}H_{48}O_2$	—	$C_{17}H_{25}O_7$
Cevin	$C_{27}H_{45}O_4N$	Chinoxavskure	$C_{32}H_{48}O_6$	Cholphosphinsäure	$C_{77}H_{114}O_1P_1$
Chairamidin	$C_{24}H_{35}O_4N_2$	Chinovin	$C_{30}H_{48}O_8$	Cholsäure	$C_{24}H_{40}O_5$
Chairamin	$C_{23}H_{70}O_4N_2$	Chinovit	$C_{10}H_{10}O_5$	—	$C_{30}H_{41}O_5$
Champakol	$C_{15}H_{26}O$	Chinovose	$C_{11}H_{10}O_5$	Chondroitin	$C_{14}H_{12}O_4N$
—	$C_{17}H_{19}O$	Chinoxalin	$C_{14}H_4N_2$	Chondronsäure	$C_4H_6O_5$
Chavicol	$C_9H_{10}O$	Chiratin	$C_{26}H_{42}O_15$	—	$C_4H_6O_5$
Chebulinsäure	$C_{11}H_{14}O_{10}$	Chiratogenin	$C_{13}H_{14}O_3$	Chondrosin	$C_{15}H_{21}O_{11}N$
—	$C_{14}H_{12}O_{10}$	Chironol	$C_{9}H_{10}O_5$	Chryiodin	$C_{25}H_{28}O_4N_4$
Chekenin	$C_{19}H_{11}O_3$	Chironolinsäure	$C_7H_8O_4O_4$	Chrysammidsäure	$C_4H_8O_4N_2$
Chekenitin	$C_{11}H_6O_6$	Chitaminsäure	$C_6H_5O_3N$	Chrysanthilin	$C_{19}H_{19}N_3$
Chekenon	$C_{20}H_{22}O_4$	Chitarsäure	$C_6H_6O_6$	Chrysanthemin	$C_4H_8O_3N_2$
Checerythrin	$C_{11}H_{17}O_4N$	Chitenol	$C_{10}H_{12}O_4N_2$	Chrysarobin	$C_{30}H_{28}O_7$
Chelidamsäure	$C_7H_6O_5N$	Chitenidin	$C_{10}H_{12}O_4N_2$	Chrysatinsäure	$C_{24}H_{20}O_{10}N_6$
Chelidonin	$C_{20}H_{10}O_5N$	Chitenin	$C_{10}H_{12}O_4N_2$	Chrysatropfusäure	$C_{10}H_{16}O_4$
Chelidonsäure	$C_7H_4O_5$	Chitin	$C_{18}H_{20}O_{10}N_2$	Chrysazin	$C_{14}H_8O_4$
Chenochohsäure	$C_{27}H_{44}O_4$	Chitoniksäure	$C_6H_{12}O_7$	Chrysazol	$C_{11}H_{10}O_2$
Chimeacetophon	$C_{11}H_8O_3$	Chitosamin	$C_6H_5O_3N$	Chrysean	$C_4H_8N_2S_2$
Chinkthonsäure	$C_{14}H_{18}O_6$	Chitosamin	$C_6H_5O_3N$	Chrysen	$C_{14}H_7N$
Chinakridin	$C_{29}H_{11}N_2$	Chitosan	$C_{14}H_{26}O_{10}N_3$	Chrysenäsure	$C_{17}H_{18}O_2$
Chinaldin	$C_{10}H_8N$	Chloral	$C_6H_5O_3N$	Chrysidin	$C_{17}H_{11}N$
Chinaldinalkin	$C_{11}H_{11}ON$	Chloralthiuminsäure	$C_6H_5O_3N$	Chrysin	$C_{15}H_{10}O_4$
Chinaldinoxalsäure	$C_{12}H_6O_3N$	Chloral	$C_5HOCl_2$	Chrysocetarsäure	$C_{19}H_{14}O_6$
Chinaldininsäure	$C_{10}H_7O_7N$	Chloralacet	$C_5H_7O_2Cl_3$	Chrysochinin	$C_{14}H_9O_9$
Chinalizarin	$C_{14}H_8O_6$	Chloralacetophenon	$C_{11}H_9O_2Cl_3$	Chrysocyaninsäure	$C_{14}H_6O_{12}N_6$
Chinamicin	$C_{19}H_{24}O_2N_2$	Chloralaldol	$C_6H_5O_3Cl_3$	Chrysofluoren	$C_{12}H_{12}$
Chinanilidin	$C_{19}H_{22}O_2N_2$	Chloralehiniin	$C_{22}H_{20}O_3N_2Cl_3$	Chrysoflödin	$C_{12}H_{12}N_4$
Chinamin	$C_{19}H_{24}O_2N_2$	Chloralglykolan	$C_6H_5O_3Cl_6$	Chrysoidin	$C_{12}H_{10}O_4$
Chinanisol	$C_{11}H_8O_6N$	Chloralharnstoff	$C_6H_5O_3N_2S_2Cl_6$	Chrysocet	$C_{19}H_{14}O_6$
Chinaroth	$C_{12}H_{14}O_7$	Chloralid	$C_6H_5O_3Cl_6$	Chrysochinosin	$C_{14}H_9O_9$
—	$C_{28}H_{22}O_{14}$	Chloralimid	$C_2H_5NCl_3$	Chrysocyanin	$C_6H_6O_3N_6$
Chinasäure	$C_7H_13O_6$	Chloralose	$C_6H_5O_3Cl_3$	Chrysofluoren	$C_{12}H_{12}$
Chinazolin	$C_6H_5O_6$	Chloralosedischweifelsäure	$C_8H_{10}O_2Cl_3S_2$	Chrysoidinbarstoff	$C_{13}H_{10}ON_4$
Chimen	$C_{29}H_{22}O_7$	Chloralsäure	$C_6H_5O_3Cl_3$	—	
Chinhydrion	$C_{12}H_{10}O_4$	Chloralurethan	$C_6H_5O_3N_2Cl_3$		
Chinicin	$C_{27}H_{34}O_2N_2$	Chloranil	$C_6O_2Cl_4$		
Chnid	$C_7H_{10}O_5$				
Chnidin	$C_{20}H_{14}O_2N_2$				

Chrysoketon	C <sub>11</sub> H <sub>10</sub> O
Chrysokreatin	C <sub>9</sub> H <sub>10</sub> ON <sub>4</sub>
Chrysonaphtazin	C <sub>19</sub> H <sub>18</sub> N <sub>2</sub>
Chrysophanhydronanthron	C <sub>15</sub> H <sub>12</sub> O <sub>3</sub>
Chrysophansäure	C <sub>15</sub> H <sub>10</sub> O <sub>4</sub>
Chrysophenol	C <sub>19</sub> H <sub>14</sub> ON <sub>2</sub>
Chrysopiazin	C <sub>20</sub> H <sub>12</sub> N <sub>2</sub>
Chrysotolanzin	C <sub>21</sub> H <sub>12</sub> N <sub>2</sub>
Chrysotoluidin	C <sub>19</sub> H <sub>12</sub> N <sub>3</sub>
Chrysotoxin	C <sub>21</sub> H <sub>22</sub> O <sub>9</sub>
Chrysoxyessigsäure	C <sub>19</sub> H <sub>12</sub> O <sub>3</sub>
Chrysaminstre	C <sub>14</sub> H <sub>14</sub> O <sub>19</sub> N <sub>4</sub>
Cicuten	C <sub>19</sub> H <sub>16</sub>
Ciliensäure	C <sub>20</sub> H <sub>20</sub> O <sub>10</sub>
Cinnicinsäure	C <sub>15</sub> H <sub>18</sub> O <sub>2</sub>
Cinchamidin	C <sub>19</sub> H <sub>20</sub> ON <sub>2</sub>
Cineheu	C <sub>19</sub> H <sub>20</sub> N <sub>2</sub>
Cinchol	C <sub>20</sub> H <sub>21</sub> O
Cincholepidin	C <sub>18</sub> H <sub>18</sub> N
Cincholin	C <sub>19</sub> H <sub>21</sub> N
Cincholoipon	C <sub>19</sub> H <sub>17</sub> O <sub>4</sub> N
Cincholopouësure	C <sub>9</sub> H <sub>12</sub> O <sub>4</sub> N
Cinchomeronsäure	C <sub>7</sub> H <sub>2</sub> O <sub>4</sub> N
Cinchonamin	C <sub>19</sub> H <sub>21</sub> ON <sub>2</sub>
Cinchonibut	C <sub>19</sub> H <sub>22</sub> ON <sub>2</sub>
Cinchoninic	C <sub>9</sub> H <sub>12</sub> ON <sub>2</sub>
Cinchonidin	C <sub>19</sub> H <sub>22</sub> ON <sub>2</sub>
Cinchonifin	C <sub>19</sub> H <sub>22</sub> ON <sub>2</sub>
Cinchonilin	C <sub>9</sub> H <sub>12</sub> ON <sub>2</sub>
Cinchonin	C <sub>19</sub> H <sub>22</sub> ON <sub>2</sub>
Cinchoninsäure	C <sub>11</sub> H <sub>12</sub> O <sub>2</sub> N
Cinchonosäure	C <sub>7</sub> H <sub>6</sub> O <sub>6</sub>
Cinchothenicin	C <sub>19</sub> H <sub>20</sub> ON <sub>2</sub>
Cinchothenidin	C <sub>19</sub> H <sub>20</sub> ON <sub>2</sub> N <sub>2</sub>
Cinchothenin	C <sub>19</sub> H <sub>20</sub> ON <sub>2</sub> N <sub>2</sub>
Cinchothen	C <sub>19</sub> H <sub>20</sub> ON <sub>2</sub> N <sub>2</sub>
Cinchotoxin	C <sub>19</sub> H <sub>19</sub> ON <sub>2</sub> N
Cinen	C <sub>10</sub> H <sub>16</sub>
Cineol	C <sub>10</sub> H <sub>14</sub> O
Cineolensäure	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>
Cineoläsure	C <sub>10</sub> H <sub>16</sub> O <sub>5</sub>
Cinnamnylangelkastäure	C <sub>11</sub> H <sub>14</sub> O <sub>3</sub>
Cinnamabenzil	C <sub>37</sub> H <sub>36</sub> O <sub>3</sub> N <sub>2</sub>
Cinnofin	C <sub>9</sub> H <sub>6</sub> N <sub>2</sub>
Citracetsäure	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>
Citracumalsäure	C <sub>10</sub> H <sub>10</sub> O <sub>n</sub>
Citrakonfluorescein	C <sub>17</sub> H <sub>19</sub> O <sub>5</sub>
Citrakonsäure	C <sub>5</sub> H <sub>6</sub> O <sub>4</sub>
Citral	C <sub>10</sub> H <sub>16</sub> O
Citramalsäure	C <sub>11</sub> H <sub>10</sub> O <sub>5</sub>
Citramethan	C <sub>11</sub> H <sub>10</sub> O <sub>5</sub> N <sub>2</sub>
Citaninsäure	C <sub>13</sub> H <sub>11</sub> O <sub>2</sub> N
Citraeweinsäure	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>
Citrazinsäure	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> N
Citren	C <sub>10</sub> H <sub>16</sub>
Citriodoraldehyd	C <sub>13</sub> H <sub>16</sub> O
Citrobeuzidylsäure	C <sub>10</sub> H <sub>16</sub> O <sub>5</sub> N <sub>2</sub>
Citrodiglycerin	C <sub>57</sub> H <sub>10</sub> O <sub>10</sub>
Citromannitan	C <sub>17</sub> H <sub>14</sub> O <sub>9</sub>
Citronellal	C <sub>10</sub> H <sub>16</sub> O
Citronellialsäure	C <sub>10</sub> H <sub>18</sub> O <sub>2</sub>
Citronellolsäure	C <sub>16</sub> H <sub>20</sub> O
Citrouelloterpén	C <sub>16</sub> H <sub>16</sub>
Citronensäure	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>
Citronentellurigesäure	C <sub>12</sub> H <sub>14</sub> O <sub>5</sub> Te
Cladoniansäure	C <sub>18</sub> H <sub>18</sub> O <sub>7</sub>
Cloven	C <sub>19</sub> H <sub>24</sub>
Clupein	C <sub>50</sub> H <sub>52</sub> O <sub>17</sub>
Cnicin	C <sub>42</sub> H <sub>56</sub> O <sub>11</sub>
Cocäthyllin	C <sub>16</sub> H <sub>14</sub> O <sub>4</sub> N
Cocain	C <sub>17</sub> H <sub>21</sub> O <sub>4</sub> N
Cocaminc	C <sub>19</sub> H <sub>19</sub> O <sub>4</sub> N
Cocasäure	C <sub>15</sub> H <sub>16</sub> O <sub>4</sub>
Cocayloxyessigsäure	C <sub>14</sub> H <sub>12</sub> O <sub>5</sub> N
Cocelsäure	C <sub>20</sub> H <sub>22</sub> O <sub>1</sub>
Coccerylalkohol	C <sub>36</sub> H <sub>62</sub> O <sub>9</sub>
Coccinin	C <sub>11</sub> H <sub>12</sub> O <sub>5</sub>
Cocceinsäure	C <sub>9</sub> H <sub>10</sub> O <sub>5</sub>
Cocoguin	C <sub>30</sub> H <sub>52</sub> O <sub>4</sub>
Cocculin	C <sub>19</sub> H <sub>20</sub> O <sub>10</sub>
Cocerinsäure	C <sub>31</sub> H <sub>40</sub> O <sub>3</sub>
Cochenillesäure	C <sub>19</sub> H <sub>20</sub> O <sub>7</sub>
Codäthyllin	C <sub>16</sub> H <sub>20</sub> O <sub>3</sub> N
Codamin	C <sub>20</sub> H <sub>22</sub> O <sub>4</sub> N
Codein	C <sub>18</sub> H <sub>21</sub> O <sub>3</sub> N
Codeninviolet	C <sub>29</sub> H <sub>31</sub> O <sub>4</sub> N
Coeerulein	C <sub>30</sub> H <sub>40</sub> O <sub>6</sub>
Coevilugnon	C <sub>16</sub> H <sub>16</sub> O <sub>6</sub>
Coeulin	C <sub>20</sub> H <sub>19</sub> O <sub>6</sub>
Cocurulin	C <sub>16</sub> H <sub>16</sub> O <sub>6</sub>
Cocurulin	C <sub>20</sub> H <sub>19</sub> O <sub>6</sub>
Cocurin	C <sub>20</sub> H <sub>19</sub> O <sub>6</sub>
Coffearin	C <sub>14</sub> H <sub>10</sub> O <sub>4</sub> N <sub>2</sub>
Colchicein	C <sub>21</sub> H <sub>23</sub> O <sub>6</sub> N
Colchicin	C <sub>29</sub> H <sub>50</sub> O <sub>4</sub> N
Colchicinsäure	C <sub>16</sub> H <sub>12</sub> O <sub>5</sub> N
Colein	C <sub>10</sub> H <sub>10</sub> O <sub>5</sub>
Colesterin	C <sub>27</sub> H <sub>50</sub> O <sub>5</sub>
Collagen	C <sub>10</sub> H <sub>11</sub> I <sub>19</sub> O <sub>24</sub> N <sub>21</sub>
Collidin	C <sub>8</sub> H <sub>11</sub> N
Collidincarbonsäure	C <sub>8</sub> H <sub>11</sub> O <sub>4</sub> N
Collidin	C <sub>10</sub> H <sub>10</sub> O <sub>2</sub> N
Collidinperipidin	C <sub>15</sub> H <sub>20</sub> N <sub>2</sub>
Colocynthine	C <sub>44</sub> H <sub>64</sub> O <sub>13</sub>
Colocynthin	C <sub>58</sub> H <sub>84</sub> O <sub>23</sub>
Colloidin	C <sub>18</sub> H <sub>32</sub> O <sub>11</sub> N <sub>2</sub>
Colombosäure	C <sub>21</sub> H <sub>22</sub> O <sub>6</sub>
Colophalumina	C <sub>10</sub> H <sub>8</sub> O <sub>6</sub>
Colophaluminäsure	C <sub>10</sub> H <sub>6</sub> O <sub>4</sub>
Colophen	C <sub>20</sub> H <sub>22</sub>
Colophoniu	C <sub>16</sub> H <sub>17</sub> O <sub>3</sub>
Colophalini	C <sub>11</sub> H <sub>10</sub>
Columbin	C <sub>21</sub> H <sub>14</sub> O <sub>7</sub>
Conchamärsäure	C <sub>21</sub> H <sub>24</sub> O <sub>5</sub>
Concharamidin	C <sub>22</sub> H <sub>26</sub> O <sub>4</sub> N <sub>2</sub>
Concharamin	C <sub>22</sub> H <sub>26</sub> O <sub>4</sub> N <sub>2</sub>
Conchamin	C <sub>19</sub> H <sub>24</sub> O <sub>3</sub> N <sub>2</sub>
Conchinin	C <sub>20</sub> H <sub>22</sub> O <sub>5</sub> N <sub>2</sub>
Conchiolin	C <sub>60</sub> H <sub>16</sub> O <sub>11</sub> N <sub>2</sub>
Concusconin	C <sub>27</sub> H <sub>26</sub> O <sub>2</sub> N <sub>2</sub>
Condourangin	C <sub>18</sub> H <sub>20</sub> O <sub>7</sub>
Conhydrin	C <sub>8</sub> H <sub>11</sub> O <sub>4</sub> N
Coniceidin	C <sub>16</sub> H <sub>26</sub> N <sub>2</sub>
Conicein	C <sub>6</sub> H <sub>15</sub> N
Coniferiu	C <sub>16</sub> H <sub>21</sub> O <sub>1</sub>
Coniferylalkohol	C <sub>10</sub> H <sub>11</sub> O <sub>3</sub>
Coniuu	C <sub>9</sub> H <sub>17</sub> N
Coniunsäure	C <sub>7</sub> H <sub>11</sub> O <sub>2</sub> N
Conimene	C <sub>13</sub> H <sub>24</sub>
Convallamarctin	C <sub>20</sub> H <sub>36</sub> O <sub>6</sub>
Convallamarin	C <sub>21</sub> H <sub>44</sub> O <sub>12</sub>
Convularin	C <sub>34</sub> H <sub>60</sub> O <sub>11</sub>
Convicin	C <sub>19</sub> H <sub>18</sub> O <sub>6</sub> N <sub>1</sub>
Convolutulin	C <sub>39</sub> H <sub>64</sub> O <sub>16</sub>
Convolutulinolsäure	C <sub>13</sub> H <sub>24</sub> O <sub>3</sub>
Convolutulinsäure	C <sub>45</sub> H <sub>86</sub> O <sub>23</sub>
Convulvulin	C <sub>51</sub> H <sub>94</sub> O <sub>27</sub>
Conyleen	C <sub>8</sub> H <sub>14</sub>
Couylenglykol	C <sub>8</sub> H <sub>10</sub> O <sub>4</sub>
Conylurethan	C <sub>11</sub> H <sub>21</sub> O <sub>4</sub> N
Conyrin	C <sub>6</sub> H <sub>11</sub> N
Copaivaölhydrat	C <sub>60</sub> H <sub>98</sub> O
Copaiwasäure	C <sub>20</sub> H <sub>30</sub> O <sub>9</sub>
Copalresen	C <sub>29</sub> H <sub>50</sub> O <sub>4</sub>
—	C <sub>24</sub> H <sub>40</sub> O <sub>4</sub>
Cpellidin	C <sub>6</sub> H <sub>11</sub> N
Coralliphthaltein	C <sub>23</sub> H <sub>14</sub> O <sub>4</sub>
Cordol	C <sub>15</sub> H <sub>12</sub> O <sub>3</sub> Br <sub>3</sub>
Coriamyntin	C <sub>23</sub> H <sub>36</sub> O <sub>10</sub>
Coriandrol	C <sub>16</sub> H <sub>14</sub> O
Coridin	C <sub>19</sub> H <sub>15</sub> N
Cornein	C <sub>39</sub> H <sub>41</sub> O <sub>12</sub> N <sub>2</sub>
Cornicularsäure	C <sub>17</sub> H <sub>14</sub> O <sub>3</sub>
Coronillin	C <sub>11</sub> H <sub>15</sub> O <sub>5</sub>
Corruin	C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub>
Corticinsäure	C <sub>13</sub> H <sub>10</sub> O <sub>6</sub>
Corybulbin	C <sub>21</sub> H <sub>25</sub> O <sub>5</sub> N
Coryevatin	C <sub>23</sub> H <sub>25</sub> O <sub>4</sub> N
Corydalin	C <sub>21</sub> H <sub>15</sub> O <sub>2</sub> N
—	C <sub>22</sub> H <sub>37</sub> O <sub>4</sub> N
Corydalinsäure	C <sub>11</sub> H <sub>11</sub> O <sub>12</sub> N
Cordylänsäure	C <sub>6</sub> H <sub>4</sub> O <sub>6</sub>
Corydinsäure	C <sub>18</sub> H <sub>17</sub> O <sub>6</sub> N
Corytuberin	C <sub>19</sub> H <sub>25</sub> O <sub>5</sub> N
Cotarnaktonssäure	C <sub>11</sub> H <sub>19</sub> O <sub>7</sub>
Cotarnaminsäure	C <sub>11</sub> H <sub>11</sub> O <sub>3</sub> N
Cotarnin	C <sub>19</sub> H <sub>12</sub> O <sub>4</sub> N
Cotaruinsäure	C <sub>11</sub> H <sub>15</sub> O <sub>5</sub>
Cotarnon	C <sub>11</sub> H <sub>10</sub> O <sub>1</sub>
Cotarnsäure	C <sub>10</sub> H <sub>8</sub> O <sub>7</sub>
Cotogenin	C <sub>18</sub> H <sub>16</sub> O <sub>6</sub>
Cotoïn	C <sub>14</sub> H <sub>17</sub> O <sub>4</sub>
Cotoïnazobenzol	C <sub>29</sub> H <sub>16</sub> O <sub>4</sub> N <sub>2</sub>
Crocetin	C <sub>31</sub> H <sub>46</sub> O <sub>9</sub>
—	C <sub>24</sub> H <sub>40</sub> O <sub>11</sub>
Crocin	C <sub>18</sub> H <sub>15</sub> O <sub>6</sub>
—	C <sub>40</sub> H <sub>70</sub> O <sub>78</sub>
—	C <sub>44</sub> H <sub>70</sub> O <sub>78</sub>
—	C <sub>58</sub> H <sub>64</sub> O <sub>21</sub>
Crotakonsäure	C <sub>5</sub> H <sub>2</sub> O <sub>4</sub>
Crotonharz	C <sub>13</sub> H <sub>14</sub> O <sub>4</sub>
Crotontsäure	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>
Crotonylen	C <sub>4</sub> H <sub>6</sub> O
Crotolalkohol	C <sub>4</sub> H <sub>6</sub> O
Cryptopin	C <sub>11</sub> H <sub>13</sub> O <sub>2</sub> N

Cabeben	$C_{18}H_{34}$	Cyanosalicyl	$C_8H_8O_4N$	Dehydrocholeinsäure	$C_{21}H_{30}O_4$
Cubebencamphor	$C_{18}H_{26}O$	Cyanäsure	CHON	Dehydrocholsäure	$C_{24}H_{32}O_4$
Cubebensäure	$C_{18}H_{14}O_7$	Cyanuromalsäure	$C_6H_6O_4N_4$	Dehydrocinchen	$C_{19}H_{18}O_4$
—	$C_{20}H_{20}O_7$	Cyannrsäure	$C_8H_8O_5N_3$	Dehydrocinchonin	$C_{19}H_{20}O_7N_3$
Cubebin	$C_{10}H_{14}O_3$	Cyclamin	$C_{20}H_{24}O_{10}$	Dehydrodivanillin	$C_{16}H_{14}O_6$
Cumalin	$C_8H_8O_7$	—	$C_{27}H_{38}O_{12}$	Dehydromorphin	$C_{24}H_{26}O_6N_2$
Cumalinsäure	$C_6H_6O_4$	Cyclamiretin	$C_{14}H_{18}O_2$	Dehydrophotosantonsäure	$C_6H_{10}O_4$
Cumarilsäure	$C_9H_8O_3$	—	$C_{15}H_{22}O_2$	Dehydrothiohydantoinessig-	
Cumarin	$C_9H_8O_2$	Cyclamose	$C_{12}H_{22}O_{11}$	säure	$C_5H_4O_2N_2S$
Cumaron	$C_8H_6O$	—	$C_{28}H_{49}O_{31}$	Dehydrotriacetomin	$C_9H_{15}N$
Cumaroxyessigsäure	$C_{11}H_{10}O_5$	Cyclamsäure	$C_{36}H_{56}O_{12}$	Dekakrylsäure	$C_{10}H_{14}O_9$
Cumarsäure	$C_9H_8O_3$	Cyclopiaroth	$C_{19}H_{22}O_{10}$	Dekamethylenimin	$C_{10}H_{21}N$
Cumenylcrotonssäure		Cyclopolin	$C_{28}H_{50}O_{13}$	Dekanaptein	$C_{18}H_{21}N_2$
	$C_{15}H_{16}O_2$	Cyclopluofluorescin	$C_{14}H_{19}O_{12}$	Dehydrothiohydantoinessig-	
Cymidin	$C_9H_{12}N$	Cyclopsäure	$C_7H_9O_4$	säure	$C_5H_4O_2N_2S$
Cumidinsäure	$C_{10}H_{10}O_4$	Cyklokolinalool	$C_{19}H_{18}$	Desmotroposantonin	$C_{16}H_{20}O_9$
Cuminalkohol	$C_9H_{11}O$	Cymenotinsäure	$C_{11}H_{14}O_3$	Dekamethylenimin	$C_{10}H_{21}N$
Cuminalmaltonsäure	$C_{13}H_{14}O_4$	Cymidin	$C_{10}H_{12}N$	Dekanaptein	$C_{10}H_{20}$
Cunninduireid	$C_{13}H_{18}O_4N_4$	Cymanchin	$C_{18}H_{24}O$	Delokansäure	$C_{15}H_{20}O_6$
Cuminisäure	$C_{20}H_{24}O_3$	Cynanchocherin	$C_{15}H_{24}O$	Delphinin	$C_{21}H_{20}O_6N$
Cuminoïn	$C_{20}H_{24}O_2$	Cynanchol	$C_{18}H_{24}O$	Delphinoidin	$C_{49}H_{68}O_7N_7$
Cuminal	$C_{18}H_{18}O$	Cynoctonin	$C_{36}H_{56}O_{12}N_2$	Delphisin	$C_{24}H_{46}O_4N_2$
Cuminolacton	$C_{14}H_{18}O$	Cystein	$C_7H_7O_2NS$	Desamidoalbuninsäure	
Cuminolacton	$C_{14}H_{18}O$	Cystin	$C_6H_{12}O_4N_2S$	$C_{160}H_{220}O_{65}N_{77}S_2$	
Cuminsäure	$C_{10}H_{12}O_2$	Cystisin	$C_{11}H_{14}O_7N_2$	Desaurin	$C_{15}H_{16}OS$
—	$C_{13}H_{18}O_4N$	Cystosin	$C_{21}H_{20}O_4N_{16}$	Desmotroposantonigesäure	$C_{15}H_{20}O_9$
Cumochinolin	$C_{13}H_{12}N$			Dahlia	$C_{29}H_{34}N_4$
Cumol	$C_9H_{12}$			Damalursäure	$C_7H_{12}O_2$
Cumylamin	$C_{10}H_{15}N$			Damascenin	$C_{10}H_{18}O_5N$
Cumylinalonsäure	$C_{15}H_{16}O_4$			Dambonit	$C_{10}H_{16}O_6$
Cumylsäure	$C_{10}H_{12}O_2$			Dambosse	$C_8H_{12}O_6$
Cuprelin	$C_{15}H_{18}ON$			Damaran	$C_{40}H_{48}O_8$
—	$C_{19}H_{22}O_2N_2$			Dammarens	$C_{11}H_{17}O$
Cupreol	$C_{40}H_{48}O_8$			Dammarolsäure	$C_{34}H_{56}O_8$
Caprin	$C_{11}H_7O_3N$			Dammarsäure	$C_{30}H_{62}O_7$
Capronin	$C_{20}H_{18}O_6N_2$			Dammaryl	$C_{45}H_{72}$
Curarin	$C_{19}H_{35}N$			Dammarylsäure	$C_{45}H_{72}O_3$
—	$C_{19}H_{35}ON_2$			Damoksäure	$C_{17}H_{21}O_2$
Curcumin	$C_{14}H_{14}O_4$			Danaidin	$C_{37}H_{50}O_8$
—	$C_{29}H_{20}O_6$			Danaín	$C_{14}H_{14}O_6$
Curin	$C_{18}H_{10}O_3N$			Daphnetin	$C_8H_8O_4$
Cusconin	$C_{23}H_{20}O_4N_2$			Daphnidin	$C_{15}H_{18}O_6$
Cuskhygrin	$C_{13}H_{24}ON_2$			Datiscetin	$C_{11}H_{18}O_8$
Cusparidin	$C_9H_{12}O_3N$			Datiscine	$C_{11}H_{18}O_8$
Cusparin	$C_{19}H_{17}O_5N$			Daturinsäure	$C_{17}H_{24}O_2$
—	$C_{29}H_{31}O_3N$			Daturon	$C_{29}H_{50}O_6$
Cyalbidin	$C_{70}H_{115}O_{66}N_2S$			Decarbousain	$C_{17}H_{18}O_6$
Cyamelid	CHON			Decarbousinsäure	$C_{29}H_{10}O_8$
Cyamellon	$C_9H_8N_{15}$			Decarbuseuin	$C_{17}H_{18}O_8$
Cyamelursäure	$C_6H_{12}O_5N_7$			Dehydracetcarbonsäure	$C_9H_8O_6$
Cyanidoamalinsäure				Dehydracetätsäure	$C_8H_6O_4$
	$C_{13}H_{14}O_6N_6$			Dehydracetylpäonol	$C_{11}H_{18}O_5$
Cyan	$C_2N_2$			Dehydroanmarsäure	$C_8H_8O_5$
Cyanätholin	$C_9H_8ON$			Dehydroanphenylsäure	$C_{10}H_{14}O_2$
Cyanamid	$CH_2N_2$			Dehydrocamphor	$C_{18}H_{14}O$
Cyanamin	$C_{26}H_{10}O_5N_4$			Dehydrocamphor	$C_{20}H_{20}ON_2$
Cyananilin	$C_{14}H_{14}N$			Dehydrocholeinsäure	$C_{24}H_{24}O_4$
Cyanilsäure	$C_8H_8O_3N_3$			Dehydrocholestan	$C_{24}H_{24}O_4$
Cyanin	$C_{20}H_{30}N_2J$			Dehydrocinnam	$C_{16}H_{18}O$
Cyanmelamidin	$C_7H_{15}ON_{12}$			Dehydrocinnam	$C_{14}H_{18}ON$
Cyanmethazonsäure				Dehydrocinnaminsäure	$C_{16}H_{18}O_3$
	$C_4H_8O_3N_4$			Deseleninsäure	$C_{16}H_{18}O_3$
Cyanoform	$C_4H_8N_5$			Deselenomalonsäure	$C_{17}H_{18}O_5$
Cyanomaklurin	$C_{12}H_{12}O_6$			Deslessigsäure	$C_{15}H_{14}O_5$

Deuteroalbumose	Dicaprylen C <sub>14</sub> H <sub>22</sub>
— C <sub>10</sub> H <sub>15</sub> O <sub>5</sub> N <sub>3</sub> S	Dicarbocaprolaktone C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>
— C <sub>10</sub> H <sub>17</sub> O <sub>5</sub> N <sub>3</sub> S	Dicarbothionäure C <sub>2</sub> H <sub>2</sub> O <sub>4</sub> S
— C <sub>11</sub> H <sub>16</sub> O <sub>5</sub> N <sub>3</sub> S	Dicarvelon C <sub>20</sub> H <sub>30</sub> O <sub>2</sub>
Dextran C <sub>8</sub> H <sub>10</sub> O <sub>6</sub>	Dicyetyl C <sub>31</sub> H <sub>46</sub>
Dextrin C <sub>10</sub> H <sub>20</sub> O <sub>10</sub>	Dichinaldin C <sub>20</sub> H <sub>16</sub> N <sub>2</sub>
— C <sub>10</sub> H <sub>20</sub> O <sub>12</sub>	Dichinolin C <sub>18</sub> H <sub>14</sub> N <sub>2</sub>
Dextronsäure C <sub>8</sub> H <sub>10</sub> O <sub>7</sub>	— C <sub>20</sub> H <sub>16</sub> N <sub>2</sub>
Dextropimarsäure C <sub>20</sub> H <sub>30</sub> O <sub>8</sub>	Dichinoylimid C <sub>6</sub> H <sub>4</sub> O <sub>2</sub> N <sub>2</sub>
Dextrose C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	Dichromatisäure C <sub>26</sub> H <sub>24</sub> O <sub>8</sub>
Dextrosecarbonsäure C <sub>7</sub> H <sub>14</sub> O <sub>8</sub>	Dichronchinon C <sub>58</sub> H <sub>44</sub> O <sub>2</sub> N <sub>4</sub>
Diacetonalkamin C <sub>8</sub> H <sub>15</sub> ON	Dicinen C <sub>90</sub> H <sub>82</sub>
Diacetonalkohol C <sub>9</sub> H <sub>16</sub> O <sub>2</sub>	Dicodäthin C <sub>26</sub> H <sub>46</sub> O <sub>6</sub> N <sub>2</sub>
Diacetonomamin C <sub>10</sub> H <sub>17</sub> ON	Dicodefin C <sub>24</sub> H <sub>40</sub> O <sub>2</sub> N <sub>2</sub>
Diacetondulcit C <sub>12</sub> H <sub>22</sub> O <sub>6</sub>	Diconchinon C <sub>40</sub> H <sub>48</sub> O <sub>4</sub> N <sub>4</sub>
Diacetonesterfol C <sub>7</sub> H <sub>11</sub> ONS	Dicotoin C <sub>25</sub> H <sub>30</sub> O <sub>6</sub>
Diacetyl C <sub>6</sub> H <sub>10</sub> O <sub>3</sub>	Dicumarin C <sub>18</sub> H <sub>10</sub> O <sub>4</sub>
Diacytelen C <sub>4</sub> H <sub>8</sub>	Didenaktamidsäure
Diäthylparanil C <sub>16</sub> H <sub>22</sub> N <sub>2</sub>	C <sub>9</sub> H <sub>11</sub> O <sub>4</sub> N
Diakrylsäure C <sub>6</sub> H <sub>8</sub> O <sub>4</sub>	Didesmotroposantongesäure
Dialdan C <sub>9</sub> H <sub>11</sub> O <sub>6</sub>	C <sub>90</sub> H <sub>82</sub> O <sub>6</sub>
Dialdankalkohol C <sub>8</sub> H <sub>10</sub> O <sub>3</sub>	Diemyctylin C <sub>20</sub> H <sub>18</sub> O <sub>7</sub> N <sub>2</sub>
Dialdansäure C <sub>9</sub> H <sub>14</sub> O <sub>4</sub>	Diepichlorhydrin C <sub>10</sub> H <sub>10</sub> O <sub>2</sub> Cl <sub>2</sub>
Diallylen C <sub>6</sub> H <sub>10</sub>	Diephydriaminid C <sub>14</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub>
Dialursäure C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> N <sub>2</sub>	Diepijodhydrin C <sub>11</sub> H <sub>10</sub> O <sub>3</sub> J <sub>2</sub>
Diamidoxyanurawasserstoff C <sub>2</sub> H <sub>5</sub> N <sub>6</sub>	Diepinsäure C <sub>6</sub> H <sub>4</sub> O <sub>4</sub>
Dianthranol C <sub>9</sub> H <sub>8</sub> O <sub>2</sub>	Dieucervolen C <sub>20</sub> H <sub>30</sub> O <sub>2</sub>
Diantipyrenessigsäure C <sub>9</sub> H <sub>11</sub> O <sub>4</sub> N <sub>1</sub>	Diffuan C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub>
Diapocinchonin C <sub>19</sub> H <sub>22</sub> ON <sub>2</sub>	Diformaldehydhärnsäure C <sub>7</sub> H <sub>8</sub> O <sub>2</sub> N <sub>4</sub>
Diapotetramorphin C <sub>12</sub> H <sub>14</sub> O <sub>21</sub> N <sub>9</sub>	Diformazyl C <sub>20</sub> H <sub>22</sub> N <sub>3</sub>
Diarbutin C <sub>23</sub> H <sub>31</sub> O <sub>14</sub>	Difuraltriureid C <sub>13</sub> H <sub>16</sub> O <sub>6</sub> N <sub>6</sub>
Diaterebilsäure C <sub>1</sub> H <sub>12</sub> O <sub>5</sub>	Digallussäure C <sub>14</sub> H <sub>10</sub> O <sub>9</sub>
Diaterbinsäure C <sub>1</sub> H <sub>12</sub> O <sub>5</sub>	Digitalen C <sub>22</sub> H <sub>35</sub> O <sub>9</sub>
Diaterpensäure C <sub>8</sub> H <sub>14</sub> O <sub>5</sub>	Digitaligenin C <sub>24</sub> H <sub>30</sub> O <sub>8</sub>
Diazimidobenzoesäure C <sub>7</sub> H <sub>9</sub> O <sub>3</sub> N <sub>3</sub>	Digitalin C <sub>6</sub> H <sub>8</sub> O <sub>2</sub>
Diazimidobenzol C <sub>6</sub> H <sub>4</sub> N <sub>6</sub>	— C <sub>21</sub> H <sub>35</sub> O <sub>9</sub>
Diazin C <sub>4</sub> H <sub>4</sub> N <sub>2</sub>	— C <sub>27</sub> H <sub>45</sub> O <sub>15</sub>
Diazoacetophenon C <sub>9</sub> H <sub>10</sub> ON <sub>2</sub>	— C <sub>28</sub> H <sub>50</sub> O <sub>14</sub>
Diazoimidobenzol C <sub>13</sub> H <sub>11</sub> N <sub>3</sub>	Digitaliretin C <sub>18</sub> H <sub>25</sub> O <sub>5</sub>
Diazobenzol C <sub>6</sub> H <sub>6</sub> ON <sub>2</sub>	— C <sub>18</sub> H <sub>26</sub> O <sub>8</sub>
Diazobenzolimid C <sub>6</sub> H <sub>6</sub> N <sub>3</sub>	Digitalkrin C <sub>11</sub> H <sub>22</sub> O <sub>2</sub>
Diazobenzolsäure C <sub>6</sub> H <sub>6</sub> O <sub>2</sub> N <sub>2</sub>	Digitalonsäure C <sub>7</sub> H <sub>14</sub> O <sub>6</sub>
Diazocamphor C <sub>10</sub> H <sub>14</sub> ON <sub>2</sub>	Digitin C <sub>6</sub> H <sub>9</sub> O <sub>2</sub>
Diazoresorcin C <sub>7</sub> H <sub>11</sub> O <sub>6</sub> N	Digitoflavan C <sub>18</sub> H <sub>16</sub> O <sub>6</sub>
Diazoresorfin C <sub>13</sub> H <sub>11</sub> O <sub>2</sub> N	Digitogenin C <sub>15</sub> H <sub>21</sub> O <sub>6</sub>
Diazosantonsäure C <sub>7</sub> H <sub>9</sub> O <sub>4</sub> N <sub>4</sub>	Digitogeninsäure C <sub>14</sub> H <sub>12</sub> O <sub>4</sub>
Dibarbitursäure C <sub>6</sub> H <sub>6</sub> O <sub>2</sub> N <sub>4</sub>	Digitonin C <sub>7</sub> H <sub>14</sub> O <sub>4</sub>
Dibenzoësäure C <sub>7</sub> H <sub>12</sub> O <sub>2</sub>	— C <sub>6</sub> H <sub>5</sub> O <sub>17</sub>
Dibenzthiazol C <sub>11</sub> H <sub>8</sub> N <sub>2</sub> S <sub>2</sub>	Digitossäure C <sub>8</sub> H <sub>10</sub> O <sub>8</sub>
Diboronyl C <sub>20</sub> H <sub>34</sub> O <sub>2</sub>	Digitoxemin C <sub>21</sub> H <sub>25</sub> O <sub>10</sub>
Dibutolakton C <sub>8</sub> H <sub>10</sub> O <sub>2</sub>	Digitoxigenin C <sub>22</sub> H <sub>24</sub> O <sub>4</sub>
Dibutyraldin C <sub>9</sub> H <sub>17</sub> ON	Digitoxin C <sub>21</sub> H <sub>44</sub> O <sub>10</sub>
Dibutyryl C <sub>10</sub> H <sub>22</sub> O <sub>4</sub>	— C <sub>21</sub> H <sub>50</sub> O <sub>10</sub>
Dicamphandisäure C <sub>7</sub> H <sub>12</sub> O <sub>4</sub>	— C <sub>24</sub> H <sub>54</sub> O <sub>11</sub>
Dicamphanazin C <sub>20</sub> H <sub>30</sub> N <sub>2</sub>	Digitoxose C <sub>6</sub> H <sub>12</sub> O <sub>4</sub>
Dicampheryl C <sub>20</sub> H <sub>30</sub> O <sub>2</sub>	— C <sub>6</sub> H <sub>18</sub> O <sub>6</sub>
Dicamphochinon C <sub>20</sub> H <sub>28</sub> O <sub>2</sub>	Digitoxosecarbonsäure C <sub>7</sub> H <sub>12</sub> O <sub>5</sub>
Dicampholyl C <sub>20</sub> H <sub>34</sub> O <sub>2</sub>	Digitsäure C <sub>19</sub> H <sub>16</sub> O <sub>4</sub>
Dicaperin C <sub>7</sub> H <sub>15</sub> O <sub>6</sub>	Diglycerin C <sub>6</sub> H <sub>14</sub> O <sub>5</sub>
	Diglykolsäure C <sub>4</sub> H <sub>6</sub> O <sub>5</sub>
	Diglykoside C <sub>12</sub> H <sub>22</sub> O <sub>6</sub>
	— C <sub>12</sub> H <sub>32</sub> O <sub>11</sub>

Dipyropentylen C <sub>10</sub> H <sub>12</sub>	Dipropythioaceton C <sub>6</sub> H <sub>12</sub> S <sub>2</sub>
Dipyrotaracetron C <sub>n</sub> H <sub>12</sub> O <sub>2</sub>	Durol C <sub>10</sub> H <sub>14</sub>
Dipyruvintriereid C <sub>9</sub> H <sub>12</sub> O <sub>5</sub> N <sub>6</sub>	Durolhydrochinon C <sub>10</sub> H <sub>14</sub> O <sub>2</sub>
Diresorcinphthalin C <sub>20</sub> H <sub>14</sub> O <sub>6</sub>	Durylsäure C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>
Diricinusölsäure C <sub>5</sub> H <sub>10</sub> O <sub>5</sub>	Dypnone C <sub>16</sub> H <sub>14</sub> O
Disakryl C <sub>9</sub> H <sub>10</sub> O	Dypnopinakolen C <sub>22</sub> H <sub>24</sub>
Disautonigesäure C <sub>30</sub> H <sub>38</sub> O <sub>6</sub>	Dypnopinakolon C <sub>22</sub> H <sub>26</sub> O
Dispolin C <sub>11</sub> H <sub>11</sub> N	Dypnopinakolon C <sub>22</sub> H <sub>26</sub> O <sub>2</sub>
Distyreusäure C <sub>17</sub> H <sub>16</sub> O <sub>2</sub>	Dypnopinakolohol C <sub>22</sub> H <sub>26</sub> O
Distyrol C <sub>16</sub> H <sub>16</sub> O	Dysibirofine C <sub>105</sub> H <sub>156</sub> O <sub>85</sub> N <sub>20</sub> S
Diitänu C <sub>19</sub> H <sub>20</sub> O <sub>2</sub> N <sub>2</sub>	Dyslysin C <sub>8</sub> H <sub>12</sub> O <sub>2</sub>
Diitamin C <sub>19</sub> H <sub>19</sub> O <sub>2</sub> N	Dyslyt C <sub>8</sub> H <sub>6</sub> O <sub>6</sub> N <sub>4</sub>
Disturtrylsäure C <sub>19</sub> H <sub>19</sub> O <sub>11</sub>	
Ditercethyl C <sub>20</sub> H <sub>50</sub>	
Ditercethylbenhydron C <sub>20</sub> H <sub>28</sub>	
Diterpen C <sub>22</sub> H <sub>32</sub>	Eegoniu C <sub>9</sub> H <sub>13</sub> O <sub>2</sub> N
Diterpilen C <sub>20</sub> H <sub>32</sub>	Eegoniamid C <sub>14</sub> H <sub>16</sub> O <sub>2</sub> N <sub>2</sub>
Diterpodilaktone C <sub>11</sub> H <sub>22</sub> O <sub>5</sub>	Eegoninsäure C <sub>11</sub> H <sub>11</sub> O <sub>3</sub> N
Diterpolakton C <sub>15</sub> H <sub>24</sub> O <sub>6</sub>	Echicerin C <sub>20</sub> H <sub>14</sub> O <sub>2</sub>
Dterpoxylsäure C <sub>13</sub> H <sub>16</sub> O <sub>7</sub>	Echicerinsäure C <sub>20</sub> H <sub>16</sub> O <sub>4</sub>
Dterpylsäure C <sub>16</sub> H <sub>22</sub> O <sub>7</sub>	Echikautskin C <sub>22</sub> H <sub>14</sub> O <sub>2</sub>
Dtetrolbarnstoff C <sub>5</sub> H <sub>5</sub> O <sub>2</sub> N <sub>2</sub>	Echinochrom C <sub>102</sub> H <sub>169</sub> O <sub>12</sub> N <sub>2</sub> Fe
Dithienyl C <sub>6</sub> H <sub>6</sub> S <sub>2</sub>	Echireitin C <sub>15</sub> H <sub>16</sub> O <sub>2</sub>
Dithioammid C <sub>6</sub> H <sub>11</sub> N <sub>10</sub> S <sub>2</sub>	Echitamin C <sub>21</sub> H <sub>24</sub> O <sub>2</sub> N <sub>2</sub>
Dithiobrenzweinsäure C <sub>10</sub> H <sub>14</sub> O <sub>5</sub> S <sub>2</sub>	Echitein C <sub>45</sub> H <sub>70</sub> O <sub>2</sub>
Dithiocarbaulinsäure C <sub>7</sub> H <sub>7</sub> NS <sub>2</sub>	Echitenin C <sub>10</sub> H <sub>27</sub> O <sub>2</sub> N
Dithiodilaktylsäure C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> S <sub>2</sub>	Echitin C <sub>23</sub> H <sub>45</sub> O <sub>2</sub>
Dithiodiphtalyl C <sub>16</sub> H <sub>8</sub> O <sub>2</sub> S <sub>2</sub>	Eichengerbsäure C <sub>14</sub> H <sub>14</sub> O <sub>2</sub>
Dithiophthalid C <sub>10</sub> H <sub>10</sub> O <sub>2</sub>	— C <sub>17</sub> H <sub>16</sub> O <sub>9</sub>
Dithioprussiansäure C <sub>6</sub> H <sub>7</sub> N <sub>3</sub> S <sub>2</sub>	— C <sub>19</sub> H <sub>18</sub> O <sub>10</sub>
Ditolauazotid C <sub>27</sub> H <sub>40</sub> N <sub>2</sub>	— C <sub>24</sub> H <sub>30</sub> O <sub>9</sub>
Ditriazobenzol C <sub>6</sub> H <sub>11</sub> N <sub>6</sub>	— C <sub>28</sub> H <sub>38</sub> O <sub>14</sub>
Diundekylensäure C <sub>22</sub> H <sub>40</sub> O <sub>4</sub>	— C <sub>28</sub> H <sub>42</sub> O <sub>13</sub>
Divalerylen C <sub>10</sub> H <sub>16</sub>	Eichenrindegerbsäure C <sub>7</sub> H <sub>28</sub> O <sub>14</sub>
Divalerylenhydrat C <sub>10</sub> H <sub>18</sub> O	Eichenroth C <sub>14</sub> H <sub>10</sub> O <sub>6</sub>
Divalolaktone C <sub>10</sub> H <sub>14</sub> O <sub>5</sub>	— C <sub>20</sub> H <sub>24</sub> O <sub>12</sub>
Divalonsäure C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Eichenroth C <sub>20</sub> H <sub>24</sub> O <sub>12</sub>
Divaricatsäure C <sub>21</sub> H <sub>22</sub> O <sub>7</sub>	— C <sub>24</sub> H <sub>24</sub> O <sub>12</sub>
Divicia C <sub>21</sub> H <sub>50</sub> O <sub>10</sub> N <sub>20</sub>	— C <sub>31</sub> H <sub>26</sub> O <sub>15</sub>
Divinyl C <sub>4</sub> H <sub>6</sub>	— C <sub>30</sub> H <sub>26</sub> O <sub>17</sub>
Dianthon C <sub>20</sub> H <sub>10</sub> O <sub>4</sub>	Eichentimo C <sub>27</sub> H <sub>28</sub> O <sub>14</sub>
Dixylyton C <sub>12</sub> H <sub>10</sub> O <sub>2</sub>	Eieralbunin C <sub>50</sub> H <sub>172</sub> O <sub>24</sub> N <sub>20</sub> S
Döglinsäure C <sub>19</sub> H <sub>26</sub> O <sub>7</sub>	Eikosan C <sub>20</sub> H <sub>42</sub>
Dokosan C <sub>21</sub> H <sub>46</sub>	Eikozylen C <sub>20</sub> H <sub>38</sub>
Dotrikontau C <sub>7</sub> H <sub>50</sub>	Eiweiß C <sub>24</sub> H <sub>40</sub> O <sub>20</sub> N <sub>16</sub>
Dracaiban C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Ekzem C <sub>7</sub> H <sub>15</sub> ON
Dracoresen C <sub>26</sub> H <sub>41</sub> O <sub>2</sub>	Elaelolsäure C <sub>17</sub> H <sub>30</sub> O <sub>2</sub>
Dracoresitamol C <sub>6</sub> H <sub>12</sub> O	Elaeomarginarsäure C <sub>17</sub> H <sub>30</sub> O <sub>2</sub>
Drimin C <sub>13</sub> H <sub>14</sub> O <sub>4</sub>	Elaestearinsäure C <sub>17</sub> H <sub>30</sub> O <sub>2</sub>
Drimol C <sub>25</sub> H <sub>46</sub> O <sub>2</sub>	Elaïdinäsure C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>
Drupose C <sub>12</sub> H <sub>20</sub> O <sub>n</sub>	Elaifäsure C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>
Düngersäure C <sub>3</sub> H <sub>5</sub> O <sub>10</sub> N <sub>2</sub>	Elaterin C <sub>10</sub> H <sub>16</sub> O <sub>2</sub>
Dulcamaretin C <sub>14</sub> H <sub>26</sub> O <sub>6</sub>	Elemisäure C <sub>35</sub> H <sub>66</sub> O <sub>4</sub>
Dulcamarin C <sub>22</sub> H <sub>34</sub> O <sub>10</sub>	Ellagengerbsäure C <sub>14</sub> H <sub>10</sub> O <sub>10</sub>
Dulcid C <sub>6</sub> H <sub>12</sub> O <sub>4</sub>	Ellagsäure C <sub>14</sub> H <sub>10</sub> O <sub>2</sub>
Dulcit C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	Emetin C <sub>18</sub> H <sub>22</sub> O <sub>2</sub> N
Dulcitan C <sub>6</sub> H <sub>15</sub> O <sub>5</sub> N	— C <sub>30</sub> H <sub>40</sub> O <sub>6</sub> N <sub>2</sub>
Dulcitan C <sub>6</sub> H <sub>17</sub> O <sub>5</sub>	— C <sub>30</sub> H <sub>40</sub> O <sub>4</sub> N <sub>2</sub>
Dulcitetwinsäure C <sub>11</sub> H <sub>20</sub> O <sub>13</sub>	Emodin C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>
Dumasin C <sub>6</sub> H <sub>10</sub> O	Enkephalin C <sub>107</sub> H <sub>206</sub> O <sub>19</sub> N <sub>4</sub>
Duplodithioaceton C <sub>6</sub> H <sub>12</sub> S <sub>4</sub>	Eosin C <sub>25</sub> H <sub>16</sub> O <sub>8</sub> Br <sub>4</sub>
	Epichlorhydrinimid C <sub>13</sub> H <sub>27</sub> O <sub>3</sub> N <sub>2</sub> Cl <sub>2</sub>
	Epicyanhdydron C <sub>8</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub>
	Epiglycerindiweinsäure C <sub>11</sub> H <sub>14</sub> O <sub>2</sub>
	Epiguanin C <sub>6</sub> H <sub>7</sub> ON <sub>5</sub>
	Epihydriuncarhonsäure C <sub>4</sub> H <sub>8</sub> O <sub>3</sub>
	Episarkin C <sub>4</sub> H <sub>6</sub> ON <sub>3</sub>
	Ericolin C <sub>3</sub> H <sub>8</sub> O <sub>2</sub> N <sub>2</sub>
	Ergosterin C <sub>29</sub> H <sub>48</sub> O <sub>4</sub>
	Ergotinin C <sub>25</sub> H <sub>40</sub> O <sub>6</sub> N <sub>4</sub>
	Erlenroth C <sub>22</sub> H <sub>32</sub> O <sub>6</sub>
	Erucasäure C <sub>27</sub> H <sub>42</sub> O <sub>3</sub>
	Erysipelin C <sub>11</sub> H <sub>19</sub> O <sub>3</sub> N
	Erythran C <sub>11</sub> H <sub>19</sub> O <sub>3</sub> N
	Erythren C <sub>4</sub> H <sub>6</sub>
	Erythrin C <sub>50</sub> H <sub>12</sub> O <sub>10</sub>
	— C <sub>50</sub> H <sub>12</sub> O <sub>10</sub>
	Erythrit C <sub>4</sub> H <sub>10</sub> O <sub>4</sub>
	Erythritsäure C <sub>4</sub> H <sub>8</sub> O <sub>5</sub>
	Erythritschwefelsäure C <sub>6</sub> H <sub>14</sub> O <sub>8</sub> S <sub>3</sub>
	Erythrititwinsäure C <sub>12</sub> H <sub>16</sub> O <sub>14</sub>
	Erythrothyluitroltsäure C <sub>2</sub> H <sub>4</sub> O <sub>5</sub> N <sub>2</sub>
	Erythrotaurin C <sub>22</sub> H <sub>4</sub> O <sub>8</sub>
	Erythrodextrin C <sub>31</sub> H <sub>64</sub> O <sub>180</sub>
	Erythroglicin C <sub>4</sub> H <sub>10</sub> O <sub>4</sub>
	Erythroglycinäsure C <sub>4</sub> H <sub>6</sub> O <sub>5</sub>
	Erythrol C <sub>4</sub> H <sub>9</sub> O <sub>9</sub>
	Erythrolaccin C <sub>19</sub> H <sub>10</sub> O <sub>5</sub>
	Erythrophlein C <sub>28</sub> H <sub>48</sub> O <sub>12</sub> N
	Erythopleheinsäure C <sub>27</sub> H <sub>40</sub> O <sub>8</sub>
	Erythroseinotannol C <sub>4</sub> H <sub>40</sub> O <sub>10</sub>
	Estradrol C <sub>9</sub> H <sub>18</sub> O <sub>2</sub>
	Escrin C <sub>13</sub> H <sub>21</sub> O <sub>2</sub> N <sub>2</sub>
	Essigsäure H <sub>3</sub> C <sub>4</sub> O <sub>2</sub>
	Ettidin C <sub>15</sub> H <sub>19</sub> N
	Eucalypten C <sub>10</sub> H <sub>16</sub>
	Eucalyptol C <sub>10</sub> H <sub>18</sub> O
	Eucarvol C <sub>10</sub> H <sub>14</sub> O
	Eucarvon C <sub>10</sub> H <sub>14</sub> O
	Euchiuin C <sub>23</sub> H <sub>30</sub> O <sub>2</sub> N <sub>2</sub>
	Euchronsäure C <sub>12</sub> H <sub>4</sub> O <sub>6</sub> N <sub>2</sub>
	Eudesmin C <sub>20</sub> H <sub>20</sub> O <sub>5</sub>
	Eugenol C <sub>20</sub> H <sub>12</sub> O <sub>2</sub>
	Eugenolchiuin C <sub>20</sub> H <sub>40</sub> O <sub>1</sub> N <sub>2</sub>
	Eugenolglykosid C <sub>18</sub> H <sub>22</sub> O <sub>7</sub>
	Eugeutinsäure C <sub>11</sub> H <sub>12</sub> O <sub>4</sub>
	Eukaly C <sub>15</sub> H <sub>18</sub> O <sub>6</sub>
	Eukalypt C <sub>15</sub> H <sub>18</sub> O <sub>6</sub>
	Eulyt C <sub>8</sub> H <sub>10</sub> O <sub>4</sub> N <sub>4</sub>
	Eupatorium C <sub>23</sub> H <sub>26</sub> O <sub>56</sub>
	Euphorbon C <sub>13</sub> H <sub>14</sub> O <sub>2</sub>
	— C <sub>20</sub> H <sub>36</sub> O
	Eupithalmin C <sub>17</sub> H <sub>28</sub> O <sub>2</sub> N <sub>2</sub>
	Eupittonsäure C <sub>3</sub> H <sub>24</sub> O <sub>2</sub> N <sub>2</sub>
	Eurhodin C <sub>17</sub> H <sub>19</sub> N <sub>2</sub>
	Eurhodol C <sub>16</sub> H <sub>20</sub> O <sub>5</sub> N <sub>2</sub> Cl <sub>3</sub>
	Euterpen C <sub>10</sub> H <sub>16</sub>
	Euxanthinsäure C <sub>19</sub> H <sub>18</sub> O <sub>11</sub>
	Euxanthon C <sub>18</sub> H <sub>16</sub> O <sub>4</sub>
	Euxanthonsäure C <sub>18</sub> H <sub>16</sub> O <sub>5</sub>
	Everniin C <sub>6</sub> H <sub>14</sub> O <sub>7</sub>

Everninsäure $C_{10}H_{10}O_4$	Formazymethylketon $C_{15}H_{14}ON_4$	Galaktosecarbonsäure $C_7H_{14}O_5$
Evernsäure $C_{17}H_{16}O_7$	Formazylwasserstoff $C_{13}H_{12}N_4$	Galaktosidoglykonsäure $C_{12}H_{22}O_13$
Excretin $C_{20}H_{36}O$	Formomelamin $C_4H_8ON_6$	Galaungin $C_{15}H_{10}O_5$
Fabianol $C_{61}H_{90}O_4$	Formonetin $C_{24}H_{30}O_6$	Galaoktid $C_9H_{18}O_6$
Fabianaresen $C_{34}H_{90}O_6$	Formose $C_9H_{12}O_6$	Galaoktonsäure $C_9H_{16}O_9$
Fellinsäure $C_{21}H_{38}O_4$	Frangulin $C_{21}H_{30}O_9$	Galaoktose $C_9H_{16}O_9$
Fenchelen $C_{10}H_{16}$	Fraxetin $C_{10}H_{16}O_3$	Galgantöl $C_{19}H_{16}O$
Fenchlen $C_{10}H_{16}$	Fraxin $C_{16}H_{18}O_{10}$	Galipen $C_{15}H_{24}$
Fenchol $C_{10}H_{18}O$	Fraxinusgerbsäure $C_{25}H_{32}O_{14}$	Galipein $C_{20}H_{21}O_9N$
Fenchocamphorol $C_9H_{18}O$	Fruchtzucker $C_9H_{12}O_6$	Galipidin $C_{19}H_{19}O_2N$
Fenchocamphoron, $C_9H_{14}O$	Fruktose $C_6H_{12}O_6$	Gallacetol $C_{10}H_{10}O_6$
Fenchocarbonsäure $C_{11}H_{18}O_3$	Fruktosediaceton $C_{12}H_{10}O_6$	Gallacetetonin $C_8H_{10}O_5$
Fencholenalkohol $C_{10}H_{18}O$	Fruktoseketazin $C_{12}H_{24}O_{10}N_2$	Gallacetophenon $C_8H_8O_4$
Fencholenamin $C_{10}H_{19}N$	Fucusamid $C_{13}H_{19}O_3N_2$	Gallactucon $C_{14}H_{10}O_9$
Fencholensäure $C_{10}H_{16}O_4$	Fucusin $C_{15}H_{16}O_3N_2$	Galläpfelgerbsäure $C_{14}H_{10}O_9$
Fenchon $C_{10}H_{18}O$	Fukose $C_6H_{12}O_5$	Gallaktinsäure $C_4H_{10}O_9$
Fenchonimin $C_{10}H_{17}N$	Fulminursäure $C_9H_9O_3N_3$	Gallanid $C_7H_7O_4N$
Fenchylalkohol $C_{10}H_{18}O$	Fulmitriguanurat $C_8H_{11}O_3N_9$	Gallein $C_{20}H_{10}O_7$
Fenchylamin $C_{10}H_{18}N$	Fumarin $C_{21}H_{10}O_4N$	Gallin $C_{20}H_{11}O_7$
Ferulasäure $C_{10}H_{10}O_4$	Fumasäure $C_{15}H_{10}O_4$	Gallisic $C_{12}H_{12}O_{11}$
Fibrin $C_{104}H_{160}O_{34}N_{30}S$	Furalacetophenon $C_{12}H_{10}O_2$	Gallocarbonsäure $C_6H_4O_7$
Fibrinogen $C_{111}H_{164}O_{45}N_{30}S$	Furalüllavinsäure $C_{10}H_{10}O_4$	Gallocerin $C_{30}H_{56}O_7$
Fibrinoglobulin	Furan $C_4H_4O$	Gallocyanin $C_{15}H_{12}O_2N_2$
$C_{114}H_{170}O_{35}N_{30}S$	Furazanpropionsäure $C_5H_8O_2N_2$	Gallodiacetophenon $C_{10}H_{10}O_5$
Fibroin $C_{18}H_{32}O_4N_5$	Furbersteinsäure $C_8H_8O_5$	Galloflavin $C_{12}H_8O_9$
Fichtelit $C_{18}H_{22}$	Furfurakrolein $C_8H_8O_2$	Galliol $C_{20}H_{10}O_9$
— $C_{40}H_{36}$	Furfuralkohol $C_8H_8O_3$	Gallussäure $C_7H_6O_3$
Fichtenroth $C_9H_{34}O_{17}$	Furfurangelikasäure $C_9H_{10}O_3$	Gallusschweifelsäure $C_4H_6O_8$
Filiroth $C_{24}H_{14}O_{12}$	Furfurin $C_{15}H_{12}O_2N_2$	Galsäure $C_{14}H_{12}O_{13}$
Filixsäure $C_4H_6O_5$	Furfurisophtalatsäure $C_{12}H_8O_3$	Galtose $C_6H_{12}O_6$
Fisetin $C_{15}H_{10}O_6$	Furfurol $C_5H_4O_3$	Gardeniasäure $C_{11}H_{10}O_6$
Flavanilin $C_{10}H_{14}N_2$	Furfurolglykosid $C_{11}H_{10}O_6$	Gardenin $C_{11}H_{15}O_6$
Flavaspidsäure $C_{29}H_{36}O_6$	Furfurolurethan $C_{11}H_{10}O_3N_2$	Gaultherin $C_{14}H_{10}O_6$
Flavcanwasserstoff $C_2H_2N_2S$	Furfurostilben $C_{10}H_8O_2$	Geissospermin $C_{19}H_{21}O_2N_2$
Flavenol $C_{16}H_{13}ON$	Furil $C_{10}H_8O_4$	Gelatine $C_{78}H_{160}O_{22}N_{24}$
Flavindin $C_{11}H_{12}O_3N_4$	Furilsäure $C_{10}H_8O_5$	Gelose $C_8H_{10}O_5$
Flavindulin $C_{10}H_{11}N_4Cl$	Furoin $C_8H_8O_2$	Gelsemin $C_{20}H_{22}O_4N_2$
Flavobuxin $C_{16}H_{10}O_3N$	— $C_{10}H_8O_4$	Gelseminin $C_{20}H_{22}O_3N_2$
Flavochinolin $C_{10}H_{14}N_2$	Furonsäure $C_8H_8O_3$	Gentianin $C_{11}H_{10}O_5$
Flavol $C_{10}H_{10}O_4$	Furylamin $C_8H_8ON$	Gentianose $C_{38}H_{66}O_{31}$
Flavolin $C_{18}H_{13}N$	Furylurethan $C_{11}H_{10}O_3N$	Gentiojenin $C_{14}H_{10}O_6$
Flavon $C_{15}H_{10}O_4$	Fuseclobaphen $C_{97}H_{78}O_{12}$	Gentiol $C_{20}H_{46}O_3$
Flavopannin $C_{21}H_{26}O_7$	Fuscusol $C_8H_8O_3$	Gentiotopikrin $C_{20}H_{30}O_{12}$
Flavopurpurin $C_{14}H_{10}O_5$	Fustin $C_{58}H_{46}O_{23}$	Gentisein $C_{12}H_8O_5$
Flemingin $C_{12}H_{19}O_3$		Gentisin $C_{14}H_{10}O_5$
Flohsamensäure $C_{36}H_{58}O_{29}$		Gentiansäure $C_7H_8O_4$
Fluavil $C_{26}H_{30}O$		Geoceraïn $C_{26}H_{58}O_7$
Fluoflavin $C_{11}H_{10}N_4$		Geocerinsäure $C_{26}H_{58}O_2$
Fluor $C_{70}H_{12}O_3$		Geomyricin $C_{24}H_{46}O_2$
Fluoranthen $C_{15}H_{10}$		Georetinätsäure $C_{12}H_{12}O_4$
Fluoren $C_{12}H_{10}$		Geranial $C_{10}H_{10}O$
Fluorencnalcohol $C_{12}H_{10}O$		Geranien $C_{10}H_{10}$
Fluorenamin $C_{13}H_{11}N$		Geraniol $C_{10}H_{10}O$
Fluorenchinon $C_{13}H_8O_2$		Geraniolen $C_9H_{16}$
Fluorescein $C_{20}H_{12}O_5$		Geraniumsäure $C_{10}H_{10}O_2$
Fluorescin $C_{20}H_{11}O_5$		Geronsäure $C_9H_8O_2$
Fluoroform $CHF_3$		Gerontin $C_5H_4N_2$
Fluorolin $C_{12}H_{13}N$		Gingkosäure $C_{24}H_{46}O_2$
Formalazin $C_9H_{12}N_2$		Glauconinsäure $C_{14}H_{10}O_6N_3$
Formazylazobenzol $C_{19}H_{18}N_2$		Glaukohydrocellagsäure $C_{11}H_{10}O_7$
Formazylcarbonsäure $C_{14}H_{12}O_4N_4$		

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Glaukomelansäure	C <sub>12</sub> H <sub>8</sub> O <sub>7</sub>	Glykosealbazin	C <sub>18</sub> H <sub>84</sub> O <sub>10</sub> N <sub>2</sub>	Guanyläsure	C <sub>9</sub> H <sub>24</sub> O <sub>17</sub> N <sub>10</sub> P <sub>2</sub>
Glaukophasäure	C <sub>27</sub> H <sub>36</sub> O <sub>18</sub>	Glykosediaceton	C <sub>19</sub> H <sub>30</sub> O <sub>6</sub>	Gulonsäure	C <sub>9</sub> H <sub>18</sub> O <sub>7</sub>
Globularetin	C <sub>9</sub> H <sub>8</sub> O <sub>7</sub>	Glykosediweinsäure	C <sub>14</sub> H <sub>18</sub> O <sub>15</sub>	Gulose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
Globularin	C <sub>18</sub> H <sub>28</sub> O <sub>6</sub>	Glykosidoglykonsäure	C <sub>12</sub> H <sub>27</sub> O <sub>12</sub>	Gurjunsäure	C <sub>27</sub> H <sub>54</sub> O <sub>4</sub>
Globulin	C <sub>69</sub> H <sub>110</sub> O <sub>16</sub> N <sub>17</sub> S	Glykosidoglykonsäure	C <sub>14</sub> H <sub>18</sub> O <sub>6</sub>	Guvacín	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub> N
Glucoprotein	C <sub>6</sub> H <sub>12</sub> O <sub>8</sub> N <sub>2</sub>	Glykosin	C <sub>6</sub> H <sub>8</sub> N <sub>4</sub>	Gyrophorsäure	C <sub>18</sub> H <sub>18</sub> O <sub>7</sub>
Glutakonsäure	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>	—	C <sub>6</sub> H <sub>8</sub> N <sub>2</sub>	—	C <sub>36</sub> H <sub>96</sub> O <sub>18</sub>
Glutaminsäure	C <sub>3</sub> H <sub>8</sub> O <sub>4</sub> N	—	C <sub>7</sub> H <sub>10</sub> N <sub>3</sub>	Hämatoein	C <sub>18</sub> H <sub>12</sub> O <sub>6</sub>
Glutarsäure	C <sub>5</sub> H <sub>8</sub> O <sub>4</sub>	Glykoson	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	—	C <sub>48</sub> H <sub>96</sub> O <sub>18</sub> N
Glutazin	C <sub>6</sub> H <sub>8</sub> O <sub>2</sub> N <sub>2</sub>	Glykosyrringasäure	C <sub>15</sub> H <sub>20</sub> O <sub>10</sub>	Hämatin	C <sub>36</sub> H <sub>42</sub> O <sub>8</sub> N <sub>4</sub> Fe
Glutimid	C <sub>5</sub> H <sub>8</sub> O <sub>2</sub> N <sub>2</sub>	Glykotannin	C <sub>9</sub> H <sub>24</sub> O <sub>9</sub>	Hämatinsäure	C <sub>9</sub> H <sub>18</sub> O <sub>6</sub>
Glutiminsäure	C <sub>5</sub> H <sub>8</sub> O <sub>5</sub> N	Glykovianillin	C <sub>14</sub> H <sub>18</sub> O <sub>6</sub>	Hämatoidin	C <sub>1</sub> H <sub>18</sub> O <sub>8</sub> N <sub>2</sub>
Glutinsäure	C <sub>6</sub> H <sub>4</sub> O <sub>4</sub>	Glykovianillinsäure	C <sub>14</sub> H <sub>18</sub> O <sub>6</sub>	Hämatoliu	C <sub>6</sub> H <sub>6</sub> O <sub>4</sub> N <sub>2</sub> *
Glutolin	C <sub>20</sub> H <sub>34</sub> O <sub>7</sub> N <sub>6</sub> S	Glykovianillylkalkohol	C <sub>14</sub> H <sub>20</sub> O <sub>8</sub>	Hämatominsäure	C <sub>9</sub> H <sub>22</sub> O <sub>10</sub>
Glutose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	Glykurominsäure	C <sub>9</sub> H <sub>18</sub> O <sub>7</sub>	Hämatoporphyrin	C <sub>16</sub> H <sub>12</sub> O <sub>8</sub> N <sub>2</sub>
Glycerin	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	Glykuvinskäure	C <sub>9</sub> H <sub>18</sub> O <sub>6</sub>	—	C <sub>52</sub> H <sub>94</sub> O <sub>8</sub> N <sub>4</sub>
Glycerindiweinsäure	C <sub>11</sub> H <sub>18</sub> O <sub>8</sub>	Glyoxalin	C <sub>5</sub> H <sub>8</sub> N <sub>2</sub>	Hämatoxilin	C <sub>16</sub> H <sub>14</sub> O <sub>6</sub>
Glycerinsäure	C <sub>3</sub> H <sub>8</sub> O <sub>4</sub>	Glyoxim	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub> N <sub>2</sub>	Hämatoxylphthalic	—
Glycid	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	Glyoxal	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub>	Hämin	C <sub>21</sub> H <sub>30</sub> O <sub>6</sub> N <sub>4</sub> Fe
Glycidäsure	C <sub>3</sub> H <sub>8</sub> O <sub>3</sub>	Glyoxalbenzimid	C <sub>7</sub> H <sub>14</sub> O <sub>9</sub> N <sub>2</sub>	—	C <sub>38</sub> H <sub>58</sub> O <sub>12</sub> N <sub>4</sub> ClFe
Glycin	C <sub>3</sub> H <sub>8</sub> O <sub>2</sub> N	Glyoxydilirid	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub> N <sub>4</sub>	Hämimsäure	C <sub>7</sub> H <sub>16</sub> O <sub>10</sub> N <sub>2</sub> Fe <sub>2</sub>
Glycinphthalessäure	C <sub>10</sub> H <sub>8</sub> O <sub>8</sub> N	Glyoxyalsäure	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub>	Hämochromogen	C <sub>54</sub> H <sub>87</sub> O <sub>5</sub> N <sub>3</sub> Fe
Glycinsäure	C <sub>10</sub> H <sub>10</sub> O <sub>7</sub>	Gnoskopin	C <sub>19</sub> H <sub>22</sub> O <sub>4</sub> N	Hämocyanin	C <sub>60</sub> H <sub>140</sub> O <sub>60</sub> N <sub>22</sub> S <sub>4</sub> Cu
Glyciphyllin	C <sub>9</sub> H <sub>8</sub> O <sub>6</sub>	Gosposye	C <sub>16</sub> H <sub>22</sub> O <sub>10</sub>	Hämoglobin	C <sub>60</sub> H <sub>108</sub> O <sub>100</sub> N <sub>16</sub> S <sub>2</sub> Fe
Glycyrrheticin	C <sub>20</sub> H <sub>34</sub> O <sub>4</sub> N	Gramminin	C <sub>11</sub> H <sub>18</sub> O <sub>5</sub>	—	C <sub>78</sub> H <sub>100</sub> O <sub>21</sub> N <sub>16</sub> S <sub>2</sub> Fe
Glycyrrhizinsäure	C <sub>44</sub> H <sub>88</sub> O <sub>18</sub> N	Granatamin	C <sub>11</sub> H <sub>18</sub> N	Hämosterin	C <sub>30</sub> H <sub>50</sub> O <sub>10</sub>
Glykocholonsäure	C <sub>26</sub> H <sub>41</sub> O <sub>9</sub> N	Granatenitin	C <sub>11</sub> H <sub>18</sub> N	Hamamelitaunin	C <sub>14</sub> H <sub>14</sub> O <sub>6</sub>
Glykocholsäure	C <sub>26</sub> H <sub>40</sub> O <sub>9</sub> N	Granatbergsäure	C <sub>20</sub> H <sub>16</sub> O <sub>15</sub>	Hamathionsäure	C <sub>18</sub> H <sub>18</sub> O <sub>16</sub> S
Glykocumaralalkohol	C <sub>14</sub> H <sub>20</sub> O <sub>7</sub>	Granatol	C <sub>9</sub> H <sub>18</sub> O	Hanföl	C <sub>16</sub> H <sub>4</sub>
Glykocynamidin	C <sub>9</sub> H <sub>8</sub> O <sub>8</sub> N <sub>2</sub>	Granatsäure	C <sub>9</sub> H <sub>18</sub> O <sub>4</sub> N	Hanfölsäure	C <sub>18</sub> H <sub>8</sub> O <sub>2</sub>
Glykocynamin	C <sub>8</sub> H <sub>8</sub> O <sub>5</sub> N <sub>2</sub>	Graphitoxid	C <sub>9</sub> H <sub>18</sub> O <sub>3</sub>	Harmalin	C <sub>18</sub> H <sub>14</sub> O <sub>8</sub> N <sub>2</sub>
Glykodrupose	C <sub>24</sub> H <sub>30</sub> O <sub>10</sub>	Graphitesäure	C <sub>1</sub> H <sub>18</sub> O <sub>6</sub>	Harmalol	C <sub>2</sub> H <sub>18</sub> O <sub>13</sub>
Glykodysalysin	C <sub>30</sub> H <sub>39</sub> O <sub>4</sub> N <sub>2</sub>	Gratiol	C <sub>17</sub> H <sub>20</sub> O <sub>5</sub>	Harmin	C <sub>18</sub> H <sub>18</sub> O <sub>9</sub>
Glykoferulaldehyd	C <sub>18</sub> H <sub>30</sub> O <sub>9</sub>	Gratioleratin	C <sub>17</sub> H <sub>20</sub> O <sub>5</sub>	Harminsküre	C <sub>10</sub> H <sub>18</sub> O <sub>4</sub> N <sub>2</sub>
Glykogen	C <sub>10</sub> H <sub>18</sub> O <sub>6</sub>	Gratiioletin	C <sub>11</sub> H <sub>20</sub> O <sub>5</sub>	Harmolin	C <sub>18</sub> H <sub>18</sub> O <sub>5</sub> N <sub>2</sub>
—	C <sub>15</sub> H <sub>22</sub> O <sub>10</sub>	Gratiol	C <sub>19</sub> H <sub>24</sub> O <sub>7</sub>	Harmsküre	C <sub>5</sub> H <sub>8</sub> O <sub>5</sub> N <sub>4</sub>
Glykogensäure	C <sub>10</sub> H <sub>18</sub> O <sub>7</sub>	Gratiol	C <sub>19</sub> H <sub>24</sub> O <sub>7</sub>	Harnstoff	CH <sub>3</sub> OH <sub>2</sub> N <sub>2</sub>
Glykoheptit	C <sub>10</sub> H <sub>18</sub> O <sub>7</sub>	Gratiol	C <sub>19</sub> H <sub>24</sub> O <sub>7</sub>	Hartin	C <sub>10</sub> H <sub>18</sub> O
Glykoheptonsäure	C <sub>7</sub> H <sub>14</sub> O <sub>6</sub>	Gratiol	C <sub>19</sub> H <sub>24</sub> O <sub>7</sub>	Hartit	C <sub>19</sub> H <sub>8</sub>
Glykoheptose	C <sub>7</sub> H <sub>14</sub> O <sub>7</sub>	Gratiol	C <sub>19</sub> H <sub>24</sub> O <sub>7</sub>	Hautfibroin	C <sub>18</sub> H <sub>22</sub> O <sub>8</sub> N <sub>2</sub>
Glykokoll	C <sub>8</sub> H <sub>8</sub> O <sub>4</sub> N <sub>2</sub>	Gratoselin	C <sub>19</sub> H <sub>24</sub> O <sub>11</sub>	Hederastüre	C <sub>14</sub> H <sub>18</sub> O <sub>4</sub>
Glykolignose	C <sub>10</sub> H <sub>16</sub> O <sub>9</sub>	Gratosiolin	C <sub>14</sub> H <sub>24</sub> O <sub>10</sub>	Helicium	C <sub>14</sub> H <sub>16</sub> O <sub>7</sub>
Glykolid	C <sub>4</sub> H <sub>8</sub> O <sub>4</sub>	Grönhartin	C <sub>10</sub> H <sub>14</sub> O <sub>5</sub>	Helicinglykose	C <sub>12</sub> H <sub>22</sub> O <sub>13</sub>
Glykolin	C <sub>9</sub> H <sub>8</sub> N <sub>2</sub>	Guithol	C <sub>10</sub> H <sub>18</sub> O <sub>2</sub>	Heilanthemini	C <sub>23</sub> H <sub>19</sub> O <sub>60</sub>
—	C <sub>9</sub> H <sub>8</sub> N <sub>2</sub>	Gujacblau	C <sub>10</sub> H <sub>20</sub> O <sub>4</sub>	Heilanthin	C <sub>14</sub> H <sub>18</sub> O <sub>5</sub> N <sub>2</sub> S
Glykolsäure	C <sub>2</sub> H <sub>4</sub> O <sub>5</sub>	Gujacgalkelb	C <sub>20</sub> H <sub>18</sub> O <sub>7</sub>	Heilanthinsäure	C <sub>14</sub> H <sub>18</sub> O <sub>6</sub>
Glykolurid	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub> N <sub>2</sub>	Gujacjakharzaure	C <sub>20</sub> H <sub>18</sub> O <sub>4</sub>	Helicin	C <sub>14</sub> H <sub>16</sub> O <sub>7</sub>
Glykolylharnstoff	C <sub>8</sub> H <sub>12</sub> O <sub>7</sub> N <sub>2</sub>	Gujacjakol	C <sub>12</sub> H <sub>18</sub> O <sub>3</sub>	Helleborin	C <sub>26</sub> H <sub>24</sub> O <sub>14</sub>
Glykononit	C <sub>9</sub> H <sub>9</sub> O <sub>8</sub>	Gujacjakonsäure	C <sub>10</sub> H <sub>20</sub> O <sub>6</sub>	Helleborein	C <sub>29</sub> H <sub>44</sub> O <sub>15</sub>
Glykonononsäure	C <sub>9</sub> H <sub>11</sub> O <sub>15</sub>	Guajaperol	C <sub>19</sub> H <sub>27</sub> O <sub>4</sub> N	Helleboresin	C <sub>29</sub> H <sub>38</sub> O <sub>4</sub>
Glykononose	C <sub>2</sub> H <sub>10</sub> O <sub>6</sub>	Guajen	C <sub>19</sub> H <sub>18</sub> O <sub>4</sub>	Helleboretin	C <sub>14</sub> H <sub>20</sub> O <sub>5</sub>
Glykonsäure	C <sub>5</sub> H <sub>12</sub> O <sub>7</sub>	Guajenchinot	C <sub>12</sub> H <sub>10</sub> O <sub>2</sub>	—	C <sub>14</sub> H <sub>20</sub> O <sub>5</sub>
Glykooktid	C <sub>9</sub> H <sub>10</sub> O <sub>8</sub>	Guajol	C <sub>10</sub> H <sub>18</sub> O	Digitized by Google	Digitized by Google
Glykooktontäure	C <sub>8</sub> H <sub>10</sub> O <sub>9</sub>	Guanolazol	C <sub>8</sub> H <sub>8</sub> N <sub>2</sub>		
Glykooktose	C <sub>8</sub> H <sub>10</sub> O <sub>6</sub>	Guanidin	C <sub>8</sub> H <sub>8</sub> N <sub>3</sub>		
Glykosaccharinsäure	C <sub>6</sub> H <sub>12</sub> O <sub>9</sub>	Guaniidinsarkosin	C <sub>4</sub> H <sub>12</sub> O <sub>2</sub> N <sub>4</sub>		
Glykosamin	C <sub>11</sub> H <sub>12</sub> O <sub>8</sub> N	Guanidin	C <sub>5</sub> H <sub>8</sub> ON <sub>3</sub>		
Glykosan	C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>	Guanolin	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> N <sub>3</sub>		
Glykose	C <sub>9</sub> H <sub>12</sub> O <sub>6</sub>	Guanylylharnstoff	C <sub>9</sub> H <sub>12</sub> ON <sub>4</sub>		
Glykoseaceton	C <sub>9</sub> H <sub>14</sub> O <sub>4</sub>				

Helleborin	C <sub>8</sub> H <sub>16</sub> O	Homobrenzocatechin	C <sub>7</sub> H <sub>8</sub> O <sub>2</sub>	Hydrakrylsäure	C <sub>9</sub> H <sub>8</sub> O <sub>3</sub>
—	C <sub>9</sub> H <sub>16</sub> O <sub>6</sub>	Homocamphersäure	C <sub>11</sub> H <sub>18</sub> O <sub>4</sub>	Hydramisoïn	C <sub>10</sub> H <sub>18</sub> O <sub>4</sub>
Hemellithol	C <sub>9</sub> H <sub>17</sub>	Homocerебрин	C <sub>7a</sub> H <sub>18</sub> O <sub>12</sub> N <sub>2</sub>	Hydrastal	C <sub>10</sub> H <sub>18</sub> O <sub>5</sub>
Hemellithylsäure	C <sub>9</sub> H <sub>16</sub> O <sub>2</sub>	Homochelidionin	C <sub>21</sub> H <sub>32</sub> O <sub>15</sub> N	Hydrastiminsäure	C <sub>11</sub> H <sub>18</sub> O <sub>6</sub> N
Hemialbumin	C <sub>24</sub> H <sub>40</sub> O <sub>16</sub> N <sub>6</sub>	Homcholesterin	C <sub>28</sub> H <sub>50</sub> O	Hydrastin	C <sub>21</sub> H <sub>32</sub> O <sub>6</sub> N
Hemialbumose	C <sub>10</sub> H <sub>150</sub> O <sub>31</sub> N <sub>20</sub> S	Homocholin	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub> N	Hydrastinin	C <sub>11</sub> H <sub>18</sub> O <sub>2</sub> N
Hemicolin	C <sub>11</sub> H <sub>70</sub> O <sub>19</sub> N <sub>14</sub>	Homocinchonidin	C <sub>19</sub> H <sub>22</sub> O <sub>11</sub> ON <sub>2</sub>	—	C <sub>11</sub> H <sub>18</sub> O <sub>3</sub> N
Hemimellithen	C <sub>9</sub> H <sub>17</sub>	Homocinchonin	C <sub>19</sub> H <sub>22</sub> O <sub>11</sub> ON <sub>2</sub>	Hydrastlaktone	C <sub>10</sub> H <sub>18</sub> O <sub>5</sub>
Hemimellithsäure	C <sub>9</sub> H <sub>16</sub> O <sub>2</sub>	Homococäsure	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub>	Hydrastonsäure	C <sub>10</sub> H <sub>18</sub> O <sub>7</sub>
Hemipepton	C <sub>11</sub> H <sub>17</sub> O <sub>44</sub> N <sub>30</sub> S	Homoconi	C <sub>9</sub> H <sub>19</sub> N	Hydrastosäure	C <sub>9</sub> H <sub>18</sub> O <sub>6</sub>
Hemipinsäure	C <sub>10</sub> H <sub>11</sub> O <sub>6</sub>	Homoconiäsure	C <sub>6</sub> H <sub>17</sub> O <sub>3</sub> N	Hydratropasäure	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>
Hemiproteidin	C <sub>10</sub> H <sub>10</sub> O <sub>19</sub> N <sub>8</sub>	Homoconumäsure	C <sub>10</sub> H <sub>18</sub> O <sub>3</sub>	Hydrazioxalyl	C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> N <sub>4</sub>
Hemlockgerbsäure	C <sub>20</sub> H <sub>18</sub> O <sub>10</sub>	Homoconumäsure	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub>	Hydrazobenzol	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub>
Hemlockroth	C <sub>40</sub> H <sub>50</sub> O <sub>17</sub>	Homoferulasäure	C <sub>11</sub> H <sub>12</sub> O <sub>4</sub>	Hydrazosatin	C <sub>6</sub> H <sub>10</sub> ON <sub>4</sub>
Heneikosan	C <sub>21</sub> H <sub>44</sub>	Homofermungin	C <sub>12</sub> H <sub>12</sub> O <sub>3</sub>	Hydrazotetrazel	C <sub>4</sub> H <sub>6</sub> N <sub>11</sub>
Henriakontan	C <sub>21</sub> H <sub>64</sub>	Homofluorindin	C <sub>16</sub> H <sub>13</sub> N <sub>4</sub>	Hydrazotriazol	C <sub>4</sub> H <sub>6</sub> N <sub>8</sub>
Heptakosan	C <sub>27</sub> H <sub>56</sub>	Homogentisinsäure	C <sub>8</sub> H <sub>8</sub> O <sub>4</sub>	Hydrazuluin	C <sub>14</sub> H <sub>16</sub> N <sub>6</sub>
Heptaunaphylen	C <sub>7</sub> H <sub>12</sub>	Homohydrodrotopostripin	C <sub>10</sub> H <sub>11</sub> O <sub>3</sub> N	Hydrindin	C <sub>21</sub> H <sub>22</sub> O <sub>5</sub> N <sub>4</sub>
Heptiusäure	C <sub>8</sub> H <sub>12</sub> O <sub>3</sub>	Homohydroquercinsäure	C <sub>10</sub> H <sub>16</sub> O <sub>6</sub>	Hydrindinsäure	C <sub>9</sub> H <sub>7</sub> O <sub>2</sub> N
Heracelin	C <sub>33</sub> H <sub>22</sub> O <sub>10</sub>	Homoisatosäure	C <sub>9</sub> H <sub>7</sub> O <sub>3</sub> N	Hydrindon	C <sub>20</sub> H <sub>17</sub> O
Hermerythrin	C <sub>44</sub> H <sub>74</sub> O <sub>55</sub> N <sub>12</sub> S <sub>2</sub> Fe	Homoisococäskur	C <sub>9</sub> H <sub>8</sub> O <sub>2</sub>	Hydrisalizarin	C <sub>20</sub> H <sub>19</sub> O <sub>5</sub>
Herniarin	C <sub>19</sub> H <sub>20</sub> O <sub>10</sub>	Homoisophtalsäure	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>	Hydroabietinsäure	C <sub>44</sub> H <sub>66</sub> O <sub>8</sub>
Heroïn	C <sub>11</sub> H <sub>23</sub> O <sub>5</sub> N	Homoitaksonsäure	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Hydrobenzoïn	C <sub>11</sub> H <sub>10</sub> O <sub>2</sub>
Hesperitol	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>	Homoitaksonsäure	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Hydroberberin	C <sub>20</sub> H <sub>21</sub> O <sub>4</sub> N
Hesperiden	C <sub>10</sub> H <sub>16</sub>	Homoitaksonsäure	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Hydrobilibirubin	C <sub>22</sub> H <sub>24</sub> O <sub>4</sub> N <sub>4</sub>
Hesperidin	C <sub>21</sub> H <sub>20</sub> O <sub>11</sub>	Homoitakföldcarbousäure	C <sub>5</sub> H <sub>10</sub> O <sub>4</sub> N <sub>4</sub>	Hydrocarotin	C <sub>18</sub> H <sub>30</sub> O
—	C <sub>22</sub> H <sub>26</sub> O <sub>12</sub>	Homokreatin	C <sub>9</sub> H <sub>11</sub> O <sub>2</sub> N <sub>3</sub>	Hydrocarpol	C <sub>16</sub> H <sub>20</sub> O
Hesperinsäure	C <sub>23</sub> H <sub>22</sub> O <sub>7</sub>	Homolävulininsäure	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>	Hydrocellulose	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>
Hesperitin	C <sub>16</sub> H <sub>14</sub> O <sub>6</sub>	Homolinalool	C <sub>11</sub> H <sub>16</sub> O	Hydrochelidonaminsäure	C <sub>7</sub> H <sub>11</sub> O <sub>4</sub> N
—	C <sub>22</sub> H <sub>26</sub> O <sub>12</sub>	Homomesaksäure	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub>	Hydrochelidonsäure	C <sub>7</sub> H <sub>10</sub> O <sub>4</sub>
Heteronblumen	C <sub>11</sub> H <sub>16</sub> O <sub>9</sub> N <sub>5</sub> S	Homomethylenblau	C <sub>17</sub> H <sub>19</sub> N <sub>3</sub> CIS	Hydrochinolin	C <sub>14</sub> H <sub>18</sub> N <sub>2</sub>
Heterofibrinose	C <sub>10</sub> H <sub>150</sub> O <sub>51</sub> S	Homomotikotinäsure	C <sub>7</sub> H <sub>7</sub> O <sub>3</sub> N	Hydrochinon	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>
Heteroxanthin	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub> N <sub>4</sub>	Homophthalamsäure	C <sub>11</sub> H <sub>10</sub> O <sub>4</sub> N	Hydrocinnaminid	C <sub>11</sub> H <sub>12</sub> N <sub>2</sub>
Hieveen	C <sub>13</sub> H <sub>24</sub>	Homophitalsäure	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>	Hydrocotaruiin	C <sub>11</sub> H <sub>10</sub> O <sub>3</sub> N
Hexakosan	C <sub>26</sub> H <sub>54</sub>	Homopiperonylsäure	C <sub>9</sub> H <sub>8</sub> O <sub>5</sub>	Hydrocumaron	C <sub>8</sub> H <sub>8</sub> O <sub>6</sub>
Hexakroläsre	C <sub>14</sub> H <sub>8</sub> O <sub>5</sub>	Homoprotokatechusäure	C <sub>8</sub> H <sub>8</sub> O <sub>4</sub>	Hydrocumariäsure	C <sub>14</sub> H <sub>18</sub> O <sub>6</sub>
Hexepinsäre	C <sub>8</sub> H <sub>11</sub> O <sub>5</sub>	Homoptocarpin	C <sub>24</sub> H <sub>24</sub> O <sub>6</sub>	Hydrocyanaldin	C <sub>14</sub> H <sub>18</sub> N <sub>4</sub>
Hexerinsäure	C <sub>5</sub> H <sub>12</sub> O <sub>4</sub>	Homopyrrol	C <sub>5</sub> H <sub>7</sub> N	Hydrocyananuramin	C <sub>15</sub> H <sub>17</sub> N <sub>4</sub>
Hexinsäure	C <sub>7</sub> H <sub>10</sub> O <sub>3</sub>	Homorottlerin	C <sub>33</sub> H <sub>36</sub> O <sub>9</sub>	Hydrocyanoansilanilin	C <sub>15</sub> H <sub>17</sub> N <sub>4</sub>
Hexoylen	C <sub>8</sub> H <sub>10</sub>	Homosalsilylsäure	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>	Hydrodicetotarin	C <sub>14</sub> H <sub>26</sub> O <sub>8</sub> N <sub>2</sub>
Hipparsafin	C <sub>9</sub> H <sub>11</sub> O <sub>2</sub> N <sub>2</sub>	Homosaligenin	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	Hydrodigitoäsure	C <sub>11</sub> H <sub>17</sub> O <sub>3</sub>
Hipparin	C <sub>6</sub> H <sub>8</sub> O <sub>2</sub> N <sub>2</sub>	Homoscopolamin	C <sub>16</sub> H <sub>19</sub> O <sub>4</sub> N	Hydroegguidon	C <sub>14</sub> H <sub>18</sub> N <sub>2</sub>
Hippencylcarbanil	C <sub>9</sub> H <sub>9</sub> O <sub>2</sub> N <sub>2</sub>	Homoterpenolaylamensäure	C <sub>10</sub> H <sub>14</sub> O <sub>8</sub>	Hydroeuthiochronäsure	C <sub>8</sub> H <sub>10</sub> S <sub>1</sub>
Hippokoprosterin	C <sub>16</sub> H <sub>24</sub> O <sub>4</sub>	Homoterpenolysäure	C <sub>9</sub> H <sub>14</sub> O <sub>4</sub>	Hydrofluoransäure	C <sub>29</sub> H <sub>14</sub> O <sub>3</sub>
Hippuroflavin	C <sub>15</sub> H <sub>10</sub> O <sub>4</sub> N <sub>2</sub>	Homoterephitalsäure	C <sub>9</sub> H <sub>12</sub> O <sub>4</sub>	Hydrofuransäure	C <sub>8</sub> H <sub>10</sub> O <sub>6</sub>
Hippursäure	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub> N	Homounibelliferon	C <sub>10</sub> H <sub>16</sub> O <sub>3</sub>	Hydrogardeniasäure	C <sub>14</sub> H <sub>18</sub> O <sub>6</sub>
Hippuryltropine	C <sub>17</sub> H <sub>17</sub> O <sub>3</sub> N <sub>2</sub>	Homovanillinäure	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>	Hydrogratioleretin	C <sub>34</sub> H <sub>50</sub> O <sub>11</sub>
Hirseölsäure	C <sub>18</sub> H <sub>32</sub> O <sub>2</sub>	Homovitexin	C <sub>16</sub> H <sub>18</sub> O <sub>7</sub>	Hydrohydrastin	C <sub>11</sub> H <sub>18</sub> O <sub>2</sub> N
Histidin	C <sub>9</sub> H <sub>9</sub> O <sub>2</sub> N <sub>2</sub>	Hopfenöl	C <sub>10</sub> H <sub>16</sub> O	Hydroisatin	C <sub>8</sub> H <sub>8</sub> O <sub>2</sub> N
—	C <sub>12</sub> H <sub>20</sub> O <sub>2</sub> N <sub>2</sub>	Hordënsäure	C <sub>13</sub> H <sub>12</sub> O <sub>2</sub>	Hydrojuglone	C <sub>10</sub> H <sub>16</sub> O <sub>2</sub>
Holocain	C <sub>14</sub> H <sub>22</sub> O <sub>2</sub> N <sub>2</sub>	Huminäsure	C <sub>26</sub> H <sub>42</sub> O <sub>10</sub>	Hydrokaffursäure	C <sub>8</sub> H <sub>10</sub> O <sub>3</sub> N <sub>3</sub>
Holzgumini	C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>	Humulen	C <sub>15</sub> H <sub>24</sub>	Hydrokrokonsäure	C <sub>9</sub> H <sub>10</sub> O <sub>5</sub>
Homoapocinchen	C <sub>17</sub> H <sub>15</sub> ON	Humussäure	C <sub>24</sub> H <sub>40</sub> O <sub>10</sub>	Hydrokorurin	C <sub>16</sub> H <sub>20</sub> O <sub>2</sub> N <sub>2</sub>
Homoasparagin	C <sub>8</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub>	—	C <sub>9</sub> H <sub>8</sub> O <sub>27</sub>	Hydrolapachosäure	C <sub>15</sub> H <sub>18</sub> O <sub>5</sub>
Homoasparaginsäure	C <sub>8</sub> H <sub>9</sub> O <sub>2</sub> N	Hyaenasäure	C <sub>5</sub> H <sub>5</sub> O <sub>2</sub>	Hydromelophansäure	C <sub>16</sub> H <sub>18</sub> O <sub>6</sub>
C <sub>9</sub> H <sub>10</sub> N	Hydantoin	C <sub>9</sub> H <sub>8</sub> O <sub>2</sub> N <sub>2</sub>	Hydroptialid	C <sub>9</sub> H <sub>8</sub> O <sub>2</sub>	
Homobenzhydrylamin	C <sub>14</sub> H <sub>18</sub> N	Hydantoinäsure	C <sub>5</sub> H <sub>4</sub> O <sub>2</sub>	Hydropiperidin	C <sub>16</sub> H <sub>14</sub> O <sub>6</sub>
Hombetain	C <sub>6</sub> H <sub>15</sub> O <sub>2</sub> N	Hydracetamid	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub>	Hydropolymersäure	C <sub>16</sub> H <sub>18</sub> O <sub>4</sub>
		Hydräskuletin	C <sub>11</sub> H <sub>14</sub> O <sub>9</sub>	Hydroprenitinsäure	C <sub>16</sub> H <sub>18</sub> O <sub>5</sub>

Hydropyromellithäure	Ilicylalkohol $C_{23}H_{44}O$	Isatinimid $C_{8}H_{17}O_4N_5$
$C_{16}H_{16}O_6$	Ilixanthin $C_{17}H_{19}O_1$	Isatin $C_8H_6O_2N$
Hydroquercinsäure	Imabenzil $C_{23}H_{20}O_2N_2$	Isatinblau $C_{26}H_{20}O_2N_5$
$C_{15}H_{16}O_6$	Imasatin $C_{16}H_{11}O_2N_2$	Isatincarbonsäure $C_9H_8O_4N$
Hydrosorufin	Imesatin $C_8H_6ON_2$	Isatinchlorid $C_8H_11ONCl$
$C_{15}H_{16}O_5N$	Imidazol $C_3H_4N_3$	Isatinindogen $C_{16}H_{10}O_2N_2$
Hydrofigallussäure	Imidotriacetonamin $C_8H_{16}O_4$	Isatinsäure $C_8H_6O_5N$
$C_{14}H_{16}O_6$	Imperatorin $C_{16}H_{16}O_4$	Isatinschwefligeäsäure $C_6H_7O_5NS$
Hydronautensäure	Imperialin $C_{25}H_{50}O_4N$	Isatothlyoxin $C_{10}H_{10}O_2N_2$
$C_{15}H_{22}O_4$	Indazin $C_{26}H_{22}N_4$	Isutochlorin $C_{22}H_{24}O_2N_4$
Hydroseanolidcarbonsäure	Indazol $C_7H_6N_2$	Isatogensäure $C_8H_5O_4N$
$C_{15}H_{20}O_4$	Indazolessigsäure $C_9H_8O_2N_2$	Isaton $C_{27}H_{27}O_5N_4$
Hydroshikiminsäure	Inden $C_9H_8$	Isatopurpurin $C_{25}H_{48}O_4N_4$
$C_7H_{12}O_5$	Indenigo $C_{18}H_{16}O_4$	Isatosäure $C_8H_5O_4N$
Hydrosoaptin	Indenoxybronnit $C_9H_9OBr$	Isatoxim $C_8H_6O_2N_2$
$C_{15}H_{20}N_4$	Indenoxychlorid $C_9H_9OCl$	Isatyd $C_{16}H_{16}O_2N_2$
Hydrothiokroksäure	Indifusin $C_9H_{20}O_2N_2$	Isopfelsäure $C_8H_6O_5$
$C_5H_4O_4S$	Indiglycin $C_6H_{10}O_2$	Isoakonitsäure $C_6H_6O_6$
Hydrotinssäure	Indigoblau $C_{16}H_{10}O_2N_2$	Isolazarin $C_6H_6O_4$
$C_8H_6O_2N$	Indigofitin $C_{16}H_{10}O_2N_2$	Isolaxansäure $C_4H_4O_2N_2$
Hydrotropidin	Indigopurpurin $C_{16}H_{10}O_2N_2$	Isoamarin $C_9H_8N_2$
$C_8H_6O_2N$	Indigeweiss $C_{16}H_{10}O_2N_2$	Isoanethol $C_{10}H_{12}O$
Hydrotripolidcarbonsäure	Indibumin $C_9H_8O_2N$	Isoanthracen $C_{14}H_{10}$
$C_9H_{10}O_4$	Indikan $C_{26}H_{21}O_7N$	Isoanthrachinon $C_{14}H_8O_3$
Hydrotropin	Indikanin $C_{20}H_{22}O_2N_2$	Isoanthraflavinsäure $C_4H_4O_4$
$C_8H_{17}ON$	Indileucin $C_{16}H_{12}ON_2$	Isoantipyrin $C_{11}H_{12}ON$
Hydroumbellsäure	Indin $C_{16}H_{12}O_2N_2$	Isoapoli $C_{13}H_{14}O_4$
$C_9H_{10}O_4$	Indiretin $C_{16}H_{10}O_2N_2$	Isoapocinchouin $C_{19}H_{27}ON_2$
Hydrovaleritrin	Indirubin $C_{16}H_{10}O_2N_2$	Isoapoglucinsäure $C_8H_6O_6$
$C_{15}H_{20}N$	Indoin $C_{21}H_{20}O_5N_4$	Isoarabinssäure $C_8H_6O_5$
Hydroxonsäure	Indol $C_8H_7N$	Isoatronsäure $C_7H_4O_2$
$C_8H_6O_2N_2$	Indolin $C_{16}H_{11}N_1$	Isoatropasäure $C_{25}H_{16}O_4$
Hydroximtsäure	Indophan $C_{29}H_{10}O_2N_4$	Isobarbitoin $C_{16}H_{10}O_2$
$C_8H_{10}O_2$	Indophenazin $C_{14}H_9N_2$	Isobarbitursäure $C_4H_4O_2N_2$
Hydruvinsäure	Indophenin $C_{12}H_8ONS$	Isobenzamaron $C_{25}H_{28}O_2$
$C_8H_6O_7$	Indoxin $C_{18}H_{12}O_2N_2$	Isobenzidin $C_{12}H_{12}N_2$
Hydurilsäure	Indoxyl $C_6H_7ON$	Isobenzoglykol $C_6H_6O_2$
$C_8H_6O_4N_4$	Indosinsäure $C_{19}H_{15}O_2N_4P$	Isobenzol $C_{14}H_{10}O_4$
Hydrurinophosphorsäure	Indosin $C_9H_8O_2N_4P$	Isobenzypyron $C_9H_8O_3$
$C_4H_9O_4N_4P$	Indoleucin $C_{16}H_{12}ON_2$	Isoberberal $C_{20}H_{17}O_2N$
Hygrin	Indolin $C_{16}H_{12}O_2N_2$	Isobersteinsäure $C_4H_6O_4$
$C_6H_{15}ON$	Indolinin $C_{16}H_{11}N_1$	Isobideyyl $C_{26}H_{27}O_2$
Hygrinsäure	Indolinon $C_8H_7N$	Isobilliansäure $C_{25}H_{36}O_6$
$C_6H_{11}O_2N$	Indulin $C_{26}H_{20}O_5$	Isoboroneol $C_7H_8O$
Hymatomelansäure	Indoxin $C_{18}H_{12}O_2N_2$	Isobrencschleinäsure $C_6H_4O_3$
$C_{26}H_{22}O_9$	Indoxyl $C_{16}H_{12}O_2N_2$	Isobrentzterebinsäure $C_6H_4O_2$
Hymenodietin	Indophanazin $C_{14}H_9N_2$	Isobrentweinsäure $C_6H_4O_4$
$C_{23}H_{45}N_2$	Indophenazin $C_{14}H_9N_2$	Isobutakonsäure $C_7H_{15}O_4$
Hyocholäsure	Indophenin $C_{12}H_8ONS$	Isobuttersäure $C_4H_6O_2$
$C_{24}H_{40}O_4$	Indoxin $C_{18}H_{12}O_2N_2$	Isobutyraldin $C_{15}H_{25}NS_2$
$C_{25}H_{40}O_4$	Indoxyl $C_6H_7ON$	Isoceajputen $C_{16}H_8$
Hyoglykocholsäure	Indosin $C_{19}H_{15}O_2N_4P$	Isocamphenon $C_{15}H_{16}O$
$C_{26}H_{45}O_8N$	Indoleucin $C_{16}H_{12}ON_2$	Isocampher $C_{16}H_{16}O$
Hyoscin	Indolin $C_{16}H_{12}O_2N_2$	Isocampherophon $C_8H_4O_2$
$C_{17}H_{21}O_4N$	Indolinon $C_8H_7N$	Isocampfersäure $C_{10}H_{18}O_4$
$-$	Indophenazin $C_{14}H_9N_2$	Isocamppholaktor $C_9H_{14}O_3$
Hyoscyamini	Indophenazin $C_{14}H_9N_2$	Isocamppholen $C_9H_{14}$
$C_{17}H_{22}O_5N$	Indoxin $C_{18}H_{12}O_2N_2$	Isocamppholsäure $C_{10}H_{18}O_2$
Hyotosurocholsäure	Indoxyl $C_6H_7ON$	Isocamppholytischesäure $C_8H_{14}O_4$
$C_{17}H_{24}O_6NS$	Indosin $C_{19}H_{15}O_2N_4P$	Isocampphoransäure $C_9H_{15}O_2$
Hypnal	Indoleucin $C_{16}H_{12}ON_2$	Isocampphoransäure $C_9H_{14}O_6$
$C_{12}H_{18}O_5N_2Cl_3$	Indolin $C_{16}H_{12}O_2N_2$	Isocantharinidin $C_{10}H_{13}O_4$
Hypnacetin	Indolinon $C_8H_7N$	
$C_{10}H_{12}O_5N$	Indolinon $C_8H_7N$	
Hypoäthyltheobromin	Indolinon $C_{16}H_{12}O_2N_2$	
$C_8H_6O_3N_2$	Indolinon $C_8H_7N$	
Hypogässäure	Indoleucin $C_{16}H_{12}ON_2$	
$C_{18}H_{20}O_2$	Indolinon $C_8H_7N$	
Hypoquebrachin	Indolinon $C_8H_7N$	
$C_{21}H_{20}O_2N_2$	Indolinon $C_8H_7N$	
Hypsantonigsäure	Indolinon $C_{16}H_{20}O_2$	
$C_{15}H_{20}O_2$	Indolinon $C_8H_7N$	
Hypsantonin	Indolinon $C_{15}H_{19}O_2$	
$C_{15}H_{19}O_2$	Indolinon $C_8H_7N$	
Hypsantoninsäure	Indolinon $C_{15}H_{20}O_3$	
$C_{15}H_{20}O_3$	Indolinon $C_8H_7N$	
Hypsantoninsäure	Indolinon $C_{15}H_{20}O_3$	
$C_{15}H_{20}O_3$	Indolinon $C_8H_7N$	
Hypoxyanthin	Indolinon $C_8H_7N$	
$C_9H_6ON_4$	Indolinon $C_8H_7N$	
Hystazarin	Indolinon $C_{14}H_6O_4$	
$C_8H_6O_4$	Indolinon $C_8H_7N$	
Iacacin	Iacacin $C_{16}H_{26}O$	
$C_8H_{14}O_6$	Iacacin $C_{16}H_{26}O$	
Idit	Iacacin $C_{16}H_{26}O$	
$C_8H_{14}O_6$	Iacacin $C_{16}H_{26}O$	
Idonäsure	Iacacin $C_{16}H_{26}O$	
$C_8H_{12}O_7$	Iacacin $C_{16}H_{26}O$	
Idose	Iacacin $C_{16}H_{26}O$	
$C_8H_{12}O_6$	Iacacin $C_{16}H_{26}O$	
Idozuckersäure	Iacacin $C_{16}H_{26}O$	
$C_8H_{10}O_6$	Iacacin $C_{16}H_{26}O$	
Idrialin	Iacacin $C_{16}H_{26}O$	
$C_{10}H_{14}O_4$	Iacacin $C_{16}H_{26}O$	
Idryl	Iacacin $C_{16}H_{26}O$	
$C_{15}H_{10}$	Iacacin $C_{16}H_{26}O$	
Ilicen	Iacacin $C_{16}H_{26}O$	
$C_{25}H_{40}$	Iacacin $C_{16}H_{26}O$	
Ilicylalkohol	Iacacin $C_{16}H_{26}O$	
$C_{21}H_{28}O_4$	Iacacin $C_{16}H_{26}O$	

Isocantharidinsäure	C <sub>19</sub> H <sub>14</sub> O <sub>5</sub>	Isoerucäsäure	C <sub>7</sub> H <sub>12</sub> O <sub>2</sub>	Isooiansäure	C <sub>10</sub> H <sub>10</sub> O <sub>3</sub>
Isocaprinalkohol	C <sub>10</sub> H <sub>19</sub> O	Isoeugenol	C <sub>10</sub> H <sub>11</sub> O <sub>2</sub>	Isoorcin	C <sub>7</sub> H <sub>8</sub> O <sub>3</sub>
Isocaprolikoal	C <sub>12</sub> H <sub>21</sub> O <sub>3</sub>	Isoexanthon	C <sub>13</sub> H <sub>9</sub> O	Isopelletierin	C <sub>6</sub> H <sub>5</sub> ON
Isocarbostyryl	C <sub>9</sub> H <sub>7</sub> ON	Isoexanthonsäure	C <sub>13</sub> H <sub>10</sub> O <sub>6</sub>	Isopersulfocyanäsure	C <sub>2</sub> H <sub>2</sub> N <sub>2</sub> S <sub>2</sub>
Isocarboitarsäure	C <sub>6</sub> H <sub>8</sub> O <sub>5</sub>	Isofencholenalkohol	C <sub>10</sub> H <sub>18</sub> O	Isophenanthrenchinon	C <sub>14</sub> H <sub>8</sub> O <sub>3</sub>
Isocedrol	C <sub>15</sub> H <sub>26</sub> O	Isoferulasäure	C <sub>10</sub> H <sub>12</sub> O <sub>4</sub>	Isophenolphthalein	C <sub>20</sub> H <sub>14</sub> O <sub>4</sub>
Isocerylkalkohol	C <sub>27</sub> H <sub>56</sub> O	Isoflavanilin	C <sub>10</sub> H <sub>11</sub> N <sub>3</sub>	Isophloretin	C <sub>15</sub> H <sub>10</sub> O <sub>3</sub>
Isocetinsäure	C <sub>15</sub> H <sub>20</sub> O <sub>3</sub>	Isoformose	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	Isophloretinsäure	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>
Isochinin	C <sub>9</sub> H <sub>11</sub> O <sub>2</sub> N <sub>3</sub>	Isofulminursäure	C <sub>5</sub> H <sub>3</sub> O <sub>3</sub> N <sub>3</sub>	Isophloridzin	C <sub>21</sub> H <sub>24</sub> O <sub>10</sub>
Isochinolin	C <sub>9</sub> H <sub>7</sub> N	Isofumarsäure	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	Isophoron	C <sub>9</sub> H <sub>14</sub> O
Isochinolinoliroth	C <sub>20</sub> H <sub>19</sub> N <sub>2</sub> Cl	Isogeraniunsäure	C <sub>11</sub> H <sub>16</sub> O <sub>2</sub>	Isophotosantonsäure	C <sub>15</sub> H <sub>22</sub> O <sub>5</sub>
Isochloralimid	C <sub>6</sub> H <sub>11</sub> NCl <sub>2</sub>	Isogeronäsure	C <sub>9</sub> H <sub>10</sub> O <sub>5</sub>	Isoptalamidin	C <sub>16</sub> H <sub>14</sub> N <sub>4</sub>
Isocholansäure	C <sub>9</sub> H <sub>18</sub> O <sub>7</sub>	Isoglyckerosamin	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> N	Isoptalophenon	C <sub>9</sub> H <sub>14</sub> O <sub>2</sub>
Isocholesterin	C <sub>20</sub> H <sub>44</sub> O	Isohämamatein	C <sub>10</sub> H <sub>12</sub> O <sub>6</sub>	Isoptalsäure	C <sub>8</sub> H <sub>6</sub> O <sub>4</sub>
Isochrysazin	C <sub>14</sub> H <sub>10</sub> O <sub>4</sub>	Isoharnstoff	C <sub>4</sub> H <sub>4</sub> O <sub>3</sub> N <sub>4</sub>	Isoptimelinsäure	C <sub>7</sub> H <sub>12</sub> O <sub>4</sub>
Isochrysen	C <sub>18</sub> H <sub>12</sub>	Isohelinic	C <sub>12</sub> H <sub>16</sub> O <sub>7</sub>	Isoptren	C <sub>6</sub> H <sub>6</sub>
Isochrysofluoren	C <sub>17</sub> H <sub>13</sub>	Isohemipinsäure	C <sub>6</sub> H <sub>10</sub> O <sub>8</sub>	Iopulegol	C <sub>10</sub> H <sub>16</sub> O
Isocinchomeräsure	C <sub>7</sub> H <sub>5</sub> O <sub>4</sub> N	Isohesperidin	C <sub>22</sub> H <sub>30</sub> O <sub>13</sub>	Iopulegon	C <sub>10</sub> H <sub>16</sub> O <sub>3</sub>
Isocinchonidin	C <sub>19</sub> H <sub>22</sub> ON <sub>2</sub>	Isohexerinsäure	C <sub>9</sub> H <sub>12</sub> O <sub>4</sub>	Iopurpuräsure	C <sub>8</sub> H <sub>6</sub> O <sub>3</sub> N <sub>3</sub>
Isocinchoniu	C <sub>19</sub> H <sub>23</sub> ON <sub>3</sub>	Isohexinsäure	C <sub>7</sub> H <sub>10</sub> O <sub>6</sub>	Isopyrocampensäure	C <sub>9</sub> H <sub>14</sub> O <sub>4</sub>
Isocitronensäure	C <sub>6</sub> H <sub>8</sub> O <sub>7</sub>	Isohydrobenzoï	C <sub>14</sub> H <sub>14</sub> O <sub>2</sub>	Isoresacetophenon	C <sub>8</sub> H <sub>8</sub> O <sub>4</sub>
Isococamín	C <sub>18</sub> H <sub>21</sub> O <sub>4</sub> N	Isohydropiperofit	C <sub>15</sub> H <sub>14</sub> O <sub>6</sub>	Iorhamnetin	C <sub>16</sub> H <sub>12</sub> O <sub>7</sub>
Isocodein	C <sub>18</sub> H <sub>21</sub> O <sub>3</sub> N	Isohydroxyromellithäsure	C <sub>10</sub> H <sub>10</sub> O <sub>8</sub>	Iorhamnonsäure	C <sub>6</sub> H <sub>12</sub> O <sub>5</sub>
Isocollidin	C <sub>9</sub> H <sub>11</sub> N	Isohyposantonin	C <sub>15</sub> H <sub>11</sub> O <sub>3</sub>	Iorhamnose	C <sub>5</sub> H <sub>14</sub> O <sub>6</sub>
Isocochnin	C <sub>9</sub> H <sub>14</sub> O <sub>2</sub> N <sub>2</sub>	Isohyposantoninsäure	C <sub>15</sub> H <sub>20</sub> O <sub>4</sub>	Isoricinolsäure	C <sub>10</sub> H <sub>10</sub> O <sub>8</sub>
Isocoumarin	C <sub>9</sub> H <sub>12</sub> O <sub>2</sub> N <sub>2</sub>	Isoinden	C <sub>9</sub> H <sub>8</sub>	Irooisindon	C <sub>22</sub> H <sub>14</sub> ON <sub>3</sub>
Isocominsäure	C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	Isoindileucin	C <sub>15</sub> H <sub>12</sub> ON <sub>3</sub>	Irooisindulin	C <sub>22</sub> H <sub>15</sub> N <sub>3</sub>
Isocyanursäure	C <sub>2</sub> H <sub>2</sub> O <sub>3</sub> N <sub>3</sub>	Isojonon	C <sub>13</sub> H <sub>20</sub> O	Irosolsäure	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>
Isocyanülsäure	CH <sub>2</sub> H <sub>2</sub> O <sub>3</sub> N <sub>3</sub>	Iosketocamphersäure	C <sub>10</sub> H <sub>18</sub> O <sub>5</sub>	Irotettlerin	C <sub>6</sub> H <sub>9</sub> O <sub>3</sub>
Isocyanülsäure CHON		Ioslapachol	C <sub>15</sub> H <sub>14</sub> O <sub>3</sub>	Iosaccharin	C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>
Isocyanülsäure CHON		Iosauronolalkohol	C <sub>9</sub> H <sub>10</sub> O	Iosaccharinsäure	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
Isocymol	C <sub>10</sub> H <sub>14</sub>	Iosauronolsäure	C <sub>9</sub> H <sub>14</sub> O <sub>2</sub>	Iosafrol	C <sub>16</sub> H <sub>10</sub> O <sub>2</sub>
Isodehydratcsäure	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub>	Iosaurononsäure	C <sub>9</sub> H <sub>12</sub> O <sub>3</sub>	Iosantinsäure	C <sub>1</sub> H <sub>10</sub> O <sub>2</sub>
Isodehydrocholoal	C <sub>14</sub> H <sub>8</sub> O <sub>5</sub>	Isolepiden	C <sub>27</sub> H <sub>50</sub> O	Iosantontigedäure	C <sub>1</sub> H <sub>20</sub> O <sub>3</sub>
Isodesmotroposantoin	C <sub>15</sub> H <sub>18</sub> O <sub>3</sub>	Ioslichenin	C <sub>10</sub> H <sub>19</sub> O <sub>5</sub>	Iosantonin	C <sub>15</sub> H <sub>12</sub> O <sub>3</sub>
Isodesmotroposantoinäsure	C <sub>15</sub> H <sub>18</sub> O <sub>4</sub>	Iosolin	C <sub>1</sub> H <sub>17</sub> N	Iosantononäsure	C <sub>20</sub> H <sub>38</sub> O <sub>6</sub>
Isodialdau	C <sub>3</sub> H <sub>14</sub> O <sub>3</sub>	Iosolinusäure	C <sub>18</sub> H <sub>20</sub> O <sub>6</sub>	Iosantontüre	C <sub>15</sub> H <sub>20</sub> O <sub>1</sub>
Isodiallyl	C <sub>6</sub> H <sub>10</sub>	Iosomatoliat	C <sub>15</sub> H <sub>14</sub> O <sub>4</sub>	Iosserin	C <sub>6</sub> H <sub>12</sub> O <sub>3</sub> N
Isodialursäure	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub> N <sub>3</sub>	Iosolutidostyrylcärbonsäure	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub> N	Iosorbinsäure	C <sub>6</sub> H <sub>8</sub> O <sub>2</sub>
Isodiazobenzol	C <sub>6</sub> H <sub>6</sub> ON <sub>2</sub>	Iosomalsäure	C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>	Iosotrychninsäure	C <sub>21</sub> H <sub>14</sub> O <sub>4</sub> N <sub>3</sub>
Isodibutol	C <sub>9</sub> H <sub>10</sub> O	Iosomaltose	C <sub>11</sub> H <sub>22</sub> O <sub>11</sub>	Iosylvinsäure	C <sub>20</sub> H <sub>20</sub> O <sub>2</sub>
Isodibutolsäure	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	Iosmannid	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>	Iosterebeinten	C <sub>10</sub> H <sub>14</sub>
Isodiketocamphersäure	C <sub>10</sub> H <sub>14</sub> O <sub>6</sub>	Iosmenthol	C <sub>10</sub> H <sub>18</sub> O <sub>3</sub>	Iosterebleiensäure	C <sub>7</sub> H <sub>6</sub> O <sub>4</sub>
Isodiphensäure	C <sub>11</sub> H <sub>10</sub> O <sub>4</sub>	Iosmethylpionol	C <sub>10</sub> H <sub>13</sub> O <sub>3</sub>	Iosterebrinsäure	C <sub>7</sub> H <sub>10</sub> O <sub>4</sub>
Isodipiperidin	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	Iosmuscarkin	C <sub>14</sub> H <sub>10</sub> O <sub>3</sub> N	Iosterperin	C <sub>10</sub> H <sub>18</sub>
Isodipyridin	C <sub>9</sub> H <sub>11</sub> N <sub>2</sub>	Iosnaphotazarin	C <sub>10</sub> H <sub>8</sub> O <sub>4</sub>	Iothiohydantoïn	C <sub>4</sub> H <sub>4</sub> ON <sub>2</sub> S
Isodithiocyanäsure	C <sub>2</sub> H <sub>2</sub> N <sub>2</sub> S <sub>2</sub>	Iosnarkotin	C <sub>21</sub> H <sub>13</sub> N	Iothionin	C <sub>19</sub> H <sub>12</sub> N <sub>3</sub> S
Isodulcic	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	Iosnarkotinsäure	C <sub>22</sub> H <sub>15</sub> O <sub>8</sub> N	Iothujaketonäsure	C <sub>10</sub> H <sub>14</sub> O <sub>3</sub>
Isodulcitan	C <sub>6</sub> H <sub>13</sub> O <sub>5</sub>	Iosnichin	C <sub>19</sub> H <sub>14</sub> O <sub>4</sub> N <sub>2</sub>	Iothujen	C <sub>10</sub> H <sub>16</sub>
Isodulcitsäure	C <sub>7</sub> H <sub>14</sub> O <sub>7</sub>	Iosnikotin	C <sub>10</sub> H <sub>14</sub> N <sub>2</sub>	Iothujen	C <sub>10</sub> H <sub>16</sub> O
Isodulcitosäure	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	Iosnonenäsure	C <sub>9</sub> H <sub>13</sub> O <sub>4</sub>	Iotoluchinon	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>
Isodulcitsäure C <sub>7</sub> H <sub>14</sub> O <sub>9</sub>		Iosnylosäure	C <sub>9</sub> H <sub>13</sub> O <sub>3</sub>	Iototrachylolst	C <sub>5</sub> H <sub>9</sub> O <sub>5</sub>
Isodurindin	C <sub>9</sub> H <sub>15</sub> N	Isonoropiansäure	C <sub>8</sub> H <sub>6</sub> O <sub>5</sub>	Iotropylymin	C <sub>8</sub> H <sub>6</sub> N <sub>2</sub>
Isodurol	C <sub>10</sub> H <sub>14</sub>	Iosölärsäure	C <sub>10</sub> H <sub>14</sub> O <sub>3</sub>	Iosvaleriancumarin	C <sub>11</sub> H <sub>12</sub> O <sub>2</sub>
Isodurylsäure	C <sub>10</sub> H <sub>12</sub> O <sub>3</sub>	Iosönanthsäure	C <sub>10</sub> H <sub>14</sub> O <sub>2</sub>	Iosvalerianaäsure	C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>
Isodipropinopinalkinol	C <sub>25</sub> H <sub>30</sub> O	Iosöktylsäure	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	Iosvaleroglyceral	C <sub>11</sub> H <sub>16</sub> O <sub>3</sub>
Isodypnopalnalkohol	C <sub>22</sub> H <sub>28</sub> O			Iosvaleroif	C <sub>10</sub> H <sub>20</sub> O <sub>2</sub>
				Iosvanillin	C <sub>8</sub> H <sub>8</sub> O <sub>3</sub>

Isovanillinsäure	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>	Kakodyl C <sub>4</sub> H <sub>12</sub> As	Kryptidin C <sub>11</sub> H <sub>11</sub> N
Isovulpinsäure	C <sub>19</sub> H <sub>14</sub> O <sub>5</sub>	Kakodylsäure C <sub>9</sub> H <sub>12</sub> O <sub>5</sub> As	Kryptophansäure C <sub>8</sub> H <sub>6</sub> O <sub>6</sub> N
Isoxanthin	C <sub>12</sub> H <sub>12</sub> O <sub>4</sub> N <sub>4</sub>	Kakostrychin C <sub>21</sub> H <sub>32</sub> O <sub>10</sub> N <sub>5</sub>	Kyanäthin C <sub>9</sub> H <sub>12</sub> N <sub>2</sub>
Isoxanthon	C <sub>18</sub> H <sub>12</sub> O <sub>4</sub>	Kakothellin C <sub>21</sub> H <sub>32</sub> O <sub>10</sub> N <sub>4</sub>	Kyanamylin C <sub>18</sub> H <sub>32</sub> N <sub>8</sub>
Isoxylidinsäure	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>	Kamillenöl C <sub>16</sub> H <sub>30</sub> O	Kyanbenzin C <sub>24</sub> H <sub>21</sub> N <sub>3</sub>
Isoxylylsäure	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>	Kastaniengerbsäure C <sub>18</sub> H <sub>12</sub> O <sub>6</sub>	Kyanbenzylin C <sub>29</sub> H <sub>21</sub> N <sub>8</sub>
Isozeorinin	C <sub>33</sub> H <sub>84</sub> O <sub>8</sub>	Katechin C <sub>15</sub> H <sub>14</sub> O <sub>8</sub>	Kyanconin C <sub>9</sub> H <sub>14</sub> N <sub>2</sub>
Isozimmtsäure	C <sub>9</sub> H <sub>8</sub> O <sub>2</sub>	— C <sub>21</sub> H <sub>20</sub> O <sub>9</sub>	Kyanmethin C <sub>6</sub> H <sub>8</sub> N <sub>2</sub>
Isuzuckersäure	C <sub>9</sub> H <sub>8</sub> O <sub>2</sub>	— C <sub>46</sub> H <sub>90</sub> O <sub>10</sub>	Kyanpropin C <sub>12</sub> H <sub>11</sub> N <sub>3</sub>
Istarin	C <sub>18</sub> H <sub>10</sub> O <sub>2</sub> N <sub>4</sub>	— C <sub>46</sub> H <sub>90</sub> O <sub>10</sub>	Kyaphenin C <sub>9</sub> H <sub>16</sub> N <sub>4</sub>
Isuretin CH <sub>4</sub> O <sub>3</sub> N <sub>2</sub>		— C <sub>46</sub> H <sub>90</sub> O <sub>10</sub>	Kylothrausinsäure C <sub>17</sub> H <sub>12</sub> O <sub>8</sub> N <sub>2</sub>
Isuvitaminsäure	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>	Katechinazobenzol C <sub>30</sub> H <sub>48</sub> O <sub>4</sub> N <sub>4</sub>	Kynurensäure C <sub>16</sub> H <sub>7</sub> O <sub>3</sub> N
Itabrenstraubensäure	C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>	Katechugerbsäure C <sub>20</sub> H <sub>14</sub> O <sub>15</sub>	Kynurin C <sub>9</sub> H <sub>17</sub> ON
Itakonsäure	C <sub>6</sub> H <sub>6</sub> O <sub>4</sub>	Katechuretin C <sub>4</sub> H <sub>2</sub> H <sub>10</sub> O <sub>12</sub>	
Itamalsäure	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	Katellagärte C <sub>14</sub> H <sub>10</sub> O <sub>7</sub>	
Itawineinsäure	C <sub>6</sub> H <sub>6</sub> O <sub>6</sub>	Kautschin C <sub>4</sub> H <sub>6</sub>	Laceainsäure C <sub>14</sub> H <sub>12</sub> O <sub>4</sub>
Ivalin C <sub>24</sub> H <sub>48</sub> O <sub>8</sub>		— C <sub>14</sub> H <sub>10</sub>	Lactucerin C <sub>20</sub> H <sub>44</sub> O <sub>2</sub>
Jabonin C <sub>6</sub> H <sub>14</sub> N <sub>2</sub>		KawaIn C <sub>18</sub> H <sub>14</sub> O <sub>6</sub>	Lactucerol C <sub>20</sub> H <sub>46</sub> O <sub>2</sub>
Jaboridin C <sub>10</sub> H <sub>12</sub> O <sub>6</sub> N <sub>2</sub>		Kerasin C <sub>18</sub> H <sub>30</sub> O <sub>12</sub> N <sub>2</sub>	Läktulin C <sub>9</sub> H <sub>16</sub> O <sub>2</sub>
Jaborin C <sub>28</sub> H <sub>50</sub> O <sub>4</sub> N <sub>4</sub>		Ketacetäsure C <sub>6</sub> H <sub>10</sub> O <sub>7</sub>	Lävoglukosan C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>
Jaborinsäure C <sub>18</sub> H <sub>30</sub> O <sub>6</sub> N <sub>4</sub>		Ketin C <sub>6</sub> H <sub>12</sub> N <sub>2</sub>	Lävopimarsäure C <sub>20</sub> H <sub>38</sub> O <sub>2</sub>
Jalapin C <sub>6</sub> H <sub>12</sub> O <sub>10</sub>		Ketipinsäure C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>	Lävosisin C <sub>9</sub> H <sub>16</sub> O <sub>2</sub>
Jalapinol C <sub>48</sub> H <sub>96</sub> O <sub>7</sub>		Ketopinsäure C <sub>10</sub> H <sub>14</sub> O <sub>6</sub>	Lävulan C <sub>8</sub> H <sub>10</sub> O <sub>5</sub>
Jalapinolsäure C <sub>4</sub> H <sub>8</sub> O <sub>6</sub>		Kieselgellsäureanhydrid C <sub>12</sub> H <sub>10</sub> O <sub>8</sub> S <sub>2</sub>	Lävulolin C <sub>8</sub> H <sub>10</sub> O <sub>5</sub>
Jalapinesäure C <sub>17</sub> H <sub>30</sub> O <sub>6</sub>		Kinoflu C <sub>14</sub> H <sub>12</sub> O <sub>6</sub>	— C <sub>12</sub> H <sub>10</sub> O <sub>11</sub>
— C <sub>9</sub> H <sub>10</sub> O <sub>10</sub>		Kinoroth C <sub>20</sub> H <sub>32</sub> O <sub>11</sub>	Lävulinesäure C <sub>9</sub> H <sub>8</sub> O <sub>6</sub>
Japaconitin C <sub>28</sub> H <sub>44</sub> O <sub>10</sub> N <sub>2</sub>		Kohlensäure CO <sub>2</sub>	Lävulinsäurethioglykolsäure C <sub>9</sub> H <sub>4</sub> O <sub>4</sub> S <sub>2</sub>
Japaconitin C <sub>24</sub> H <sub>48</sub> O <sub>10</sub> N <sub>2</sub>		Kolamin C <sub>4</sub> H <sub>16</sub> O <sub>11</sub> N <sub>4</sub>	Lävulosen C <sub>9</sub> H <sub>10</sub> O <sub>5</sub>
Jasmal C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>		Kolatannin C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	Lävulose C <sub>9</sub> H <sub>12</sub> O <sub>6</sub>
Jekorin C <sub>10</sub> H <sub>14</sub> O <sub>6</sub> N <sub>6</sub> SP <sub>2</sub> Na <sub>2</sub>		Komansäure C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>	Lävulosecarbonsäure C <sub>7</sub> H <sub>14</sub> O <sub>8</sub>
Jervaäsäure C <sub>2</sub> H <sub>4</sub> O <sub>6</sub>		Komenanisäure C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> N	Lagsäure C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>
J-rvin C <sub>1</sub> H <sub>6</sub> O <sub>3</sub> N		Komenäsure C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>	Laktamid C <sub>4</sub> H <sub>7</sub> O <sub>2</sub> N
Jodal C <sub>2</sub> H <sub>10</sub> O <sub>5</sub>		Koprinchlorid C <sub>6</sub> H <sub>10</sub> ONCl	Laktamidin C <sub>4</sub> H <sub>9</sub> ON <sub>2</sub>
Jodgorgosäure C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> NJ		Koprosterin C <sub>27</sub> H <sub>44</sub> O	Laktamin C <sub>4</sub> H <sub>9</sub> O <sub>2</sub> N
Jodoform CH <sub>2</sub>		Korksäure C <sub>11</sub> H <sub>14</sub> O <sub>4</sub>	Laktaron C <sub>20</sub> H <sub>36</sub> O <sub>9</sub>
Jodol C <sub>4</sub> HN <sub>4</sub> J		Kosin C <sub>29</sub> H <sub>36</sub> O <sub>7</sub>	Laktarsäure C <sub>18</sub> H <sub>30</sub> O <sub>2</sub>
Jodospongin C <sub>4</sub> H <sub>8</sub> O <sub>9</sub> N <sub>10</sub> JS <sub>2</sub>		— C <sub>29</sub> H <sub>36</sub> O <sub>7</sub>	Laktid C <sub>3</sub> H <sub>6</sub> O <sub>4</sub>
Jonegenalid C <sub>13</sub> H <sub>14</sub> O <sub>2</sub>		Kosotoxin C <sub>26</sub> H <sub>34</sub> O <sub>10</sub>	Laktimid C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub>
Jonen C <sub>15</sub> H <sub>18</sub>		Kotinin C <sub>10</sub> H <sub>11</sub> ON <sub>2</sub>	Laktobionsäure C <sub>19</sub> H <sub>32</sub> O <sub>12</sub>
Jongenogenosäure C <sub>18</sub> H <sub>12</sub> O <sub>6</sub>		Kreatin C <sub>4</sub> H <sub>10</sub> O <sub>8</sub> N <sub>4</sub>	Laktocaramel C <sub>14</sub> H <sub>16</sub> O <sub>6</sub>
Jonon C <sub>18</sub> H <sub>10</sub> O		Kreatinin C <sub>4</sub> H <sub>7</sub> ON <sub>3</sub>	Laktonesäure C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>
Jononoximessigsäure C <sub>15</sub> H <sub>22</sub> O <sub>4</sub> N		Kresol C <sub>6</sub> H <sub>5</sub> O	Laktose C <sub>18</sub> H <sub>32</sub> O <sub>11</sub>
Juglon C <sub>10</sub> H <sub>16</sub> O <sub>6</sub>		Kresoläther C <sub>4</sub> H <sub>14</sub> O	Laktosecarbonsäure C <sub>19</sub> H <sub>34</sub> O <sub>10</sub>
Juglonsäure C <sub>4</sub> H <sub>4</sub> O <sub>6</sub> N <sub>2</sub>		Kresolaurin C <sub>27</sub> H <sub>39</sub> O <sub>8</sub>	Laktosin C <sub>26</sub> H <sub>52</sub> O <sub>61</sub>
Julolviolet C <sub>39</sub> H <sub>60</sub> O <sub>6</sub> N <sub>6</sub> Cl		Kresolearbonsäure C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>	Laktucerin C <sub>26</sub> H <sub>52</sub> O <sub>61</sub>
Kämpferid C <sub>16</sub> H <sub>12</sub> O <sub>6</sub>		Kresochinon C <sub>20</sub> H <sub>20</sub> O <sub>4</sub>	Laktuceryalkohol
Kaffegerbersäure C <sub>12</sub> H <sub>12</sub> O <sub>6</sub>		Kresolcumarin C <sub>27</sub> H <sub>39</sub> O <sub>6</sub>	Laktucol C <sub>19</sub> H <sub>36</sub> O
— C <sub>21</sub> H <sub>20</sub> O <sub>14</sub>		Kresolphaltein C <sub>27</sub> H <sub>39</sub> O <sub>4</sub>	Lakturon C <sub>24</sub> H <sub>44</sub> O
Kaffeeläsläsure C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>		Kresolphthalinsäure C <sub>23</sub> H <sub>36</sub> O <sub>4</sub>	Lakturaminsäure C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> N <sub>2</sub>
Kaffeessäure C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>		Kresophenochinon C <sub>19</sub> H <sub>18</sub> O <sub>4</sub>	Laktylharnstoff C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> N <sub>2</sub>
Kaffeidin C <sub>4</sub> H <sub>12</sub> O <sub>4</sub> N <sub>4</sub>		Kresorcincarbonäsure C <sub>9</sub> H <sub>10</sub> O <sub>6</sub>	Laktyltropéfin C <sub>11</sub> H <sub>16</sub> O <sub>2</sub> N
Kaffein C <sub>8</sub> H <sub>10</sub> O <sub>2</sub> N <sub>4</sub>		Kresorcinchphätein C <sub>23</sub> H <sub>36</sub> O <sub>4</sub>	Lanocerinesäure C <sub>20</sub> H <sub>36</sub> O <sub>4</sub>
Kaffeinecarbonsäure C <sub>4</sub> H <sub>10</sub> O <sub>4</sub> N <sub>2</sub>		Kresorselläsure C <sub>4</sub> H <sub>6</sub> O <sub>4</sub>	Lanolinalkohol C <sub>12</sub> H <sub>24</sub> O
Kaffeol C <sub>8</sub> H <sub>10</sub> O <sub>2</sub>		Kresotinsäure C <sub>9</sub> H <sub>8</sub> O <sub>6</sub>	Lanolinsäure C <sub>18</sub> H <sub>36</sub> O <sub>4</sub>
Kaffolin C <sub>8</sub> H <sub>9</sub> O <sub>6</sub> N <sub>3</sub>		Kreysmekonin C <sub>17</sub> H <sub>16</sub> O <sub>6</sub>	Lanopalminäsäure C <sub>14</sub> H <sub>28</sub> O <sub>8</sub>
Kaffursäure C <sub>4</sub> H <sub>6</sub> O <sub>2</sub> N <sub>2</sub>		Kreyslpurpursäure C <sub>9</sub> H <sub>7</sub> O <sub>6</sub> N <sub>5</sub>	Lantanursäure C <sub>9</sub> H <sub>4</sub> O <sub>3</sub> N <sub>2</sub>
Kairokoll C <sub>11</sub> H <sub>11</sub> O <sub>2</sub> N		Krokonsäure C <sub>2</sub> H <sub>3</sub> O <sub>5</sub>	Lanthopin C <sub>26</sub> H <sub>52</sub> O <sub>4</sub> N
Kairolin C <sub>9</sub> H <sub>12</sub> N		Krokontolazin C <sub>12</sub> H <sub>20</sub> O <sub>6</sub> N <sub>2</sub>	

Lanugininsäure	C <sub>19</sub> H <sub>30</sub> O <sub>10</sub> N <sub>8</sub>	Licareol	C <sub>10</sub> H <sub>18</sub> O	Lycoctoninsäure	C <sub>17</sub> H <sub>18</sub> O <sub>4</sub> N <sub>2</sub>
Lapachan	C <sub>14</sub> H <sub>16</sub> O	Licarboldol	C <sub>10</sub> H <sub>18</sub> O	—	C <sub>17</sub> H <sub>18</sub> O <sub>7</sub> N <sub>2</sub>
Lapachol	C <sub>15</sub> H <sub>14</sub> O <sub>2</sub>	Licarhololather	C <sub>20</sub> H <sub>34</sub> O	Lycopodium	C <sub>22</sub> H <sub>32</sub> O <sub>8</sub> N <sub>2</sub>
Lapachon	C <sub>16</sub> H <sub>14</sub> O <sub>3</sub>	Licarinäsäure	C <sub>10</sub> H <sub>16</sub> O <sub>2</sub>	Lycopodiumösäure	C <sub>16</sub> H <sub>30</sub> O <sub>8</sub>
Lapachonou	C <sub>18</sub> H <sub>16</sub> O <sub>2</sub>	Lichenin	C <sub>8</sub> H <sub>14</sub> O <sub>8</sub>	Lycocresin	C <sub>9</sub> H <sub>14</sub> O
Lappaconitin	C <sub>24</sub> H <sub>44</sub> O <sub>6</sub> N <sub>2</sub>	Lichenstearinsäure	C <sub>14</sub> H <sub>24</sub> O <sub>4</sub>	Lycorin	C <sub>22</sub> H <sub>32</sub> O <sub>8</sub> N <sub>2</sub>
Lariciresinol	C <sub>19</sub> H <sub>22</sub> O <sub>9</sub>	—	C <sub>17</sub> H <sub>26</sub> O <sub>4</sub>	Lycostearin	C <sub>17</sub> H <sub>30</sub> O <sub>8</sub>
Larixinsäure	C <sub>16</sub> H <sub>16</sub> O <sub>6</sub>	Lichestearinsäure	C <sub>17</sub> H <sub>26</sub> O <sub>4</sub>	Lysatinin	C <sub>9</sub> H <sub>14</sub> O <sub>8</sub> N <sub>2</sub>
Laserol	C <sub>14</sub> H <sub>16</sub> O <sub>4</sub>	—	C <sub>19</sub> H <sub>26</sub> O <sub>4</sub>	Lysadin	C <sub>6</sub> H <sub>14</sub> N <sub>2</sub>
Laserpitin	C <sub>16</sub> H <sub>22</sub> O <sub>4</sub>	Lichesterolsäure	C <sub>18</sub> H <sub>34</sub> O <sub>2</sub>	Lysin	C <sub>6</sub> H <sub>14</sub> O <sub>2</sub> N <sub>2</sub>
—	C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>	Lignin	C <sub>16</sub> H <sub>34</sub> O <sub>9</sub>	Lysursäure	C <sub>20</sub> H <sub>32</sub> O <sub>4</sub> N <sub>2</sub>
Laudanidin	C <sub>20</sub> H <sub>32</sub> O <sub>4</sub> N	Lignocellulose	C <sub>18</sub> H <sub>20</sub> O <sub>10</sub>	Lyxonsäure	C <sub>16</sub> H <sub>30</sub> O <sub>6</sub>
Laudanin	C <sub>20</sub> H <sub>32</sub> O <sub>4</sub> N	Lignocerinsäure	C <sub>14</sub> H <sub>46</sub> O <sub>6</sub>	Lyroxse	C <sub>8</sub> H <sub>16</sub> O <sub>5</sub>
Laudanosin	C <sub>21</sub> H <sub>37</sub> O <sub>4</sub> N	Lignon	C <sub>19</sub> H <sub>32</sub> O <sub>9</sub>		
Laurin	C <sub>23</sub> H <sub>40</sub> O <sub>4</sub>	Lignonblau	C <sub>20</sub> H <sub>32</sub> O <sub>4</sub> N <sub>2</sub>		
Laurinsäure	C <sub>19</sub> H <sub>34</sub> O <sub>7</sub>	Lignose	C <sub>18</sub> H <sub>32</sub> O <sub>11</sub>		
Laurol	C <sub>11</sub> H <sub>16</sub> O	Likareol	C <sub>16</sub> H <sub>18</sub> O		
Laurolen	C <sub>8</sub> H <sub>14</sub>	Limettin	C <sub>11</sub> H <sub>16</sub> O <sub>4</sub>		
Lauron	C <sub>55</sub> H <sub>46</sub> O <sub>2</sub>	Limettksäure	C <sub>11</sub> H <sub>14</sub> O <sub>6</sub>		
Lauronolsäure	C <sub>8</sub> H <sub>14</sub> O <sub>2</sub>	Limonen	C <sub>18</sub> H <sub>16</sub>		
Laurotetanin	C <sub>19</sub> H <sub>32</sub> O <sub>5</sub> N	Limonetrin	C <sub>10</sub> H <sub>20</sub> O <sub>4</sub>		
Lauroxylsäure	C <sub>11</sub> H <sub>10</sub> O <sub>2</sub>	Limoniin	C <sub>22</sub> H <sub>32</sub> O <sub>7</sub>		
Lavendol	C <sub>10</sub> H <sub>16</sub> O	Linalool	C <sub>10</sub> H <sub>16</sub> O		
Leccanorol	C <sub>21</sub> H <sub>30</sub> O <sub>9</sub>	Linaloolen	C <sub>16</sub> H <sub>18</sub>		
Leccanorsäure	C <sub>19</sub> H <sub>14</sub> O <sub>7</sub>	Linolensäure	C <sub>18</sub> H <sub>30</sub> O <sub>2</sub>		
Lecasterid	C <sub>9</sub> H <sub>16</sub> O <sub>3</sub>	Linoläsure	C <sub>18</sub> H <sub>30</sub> O <sub>9</sub>		
Lecasterinsäure	C <sub>10</sub> H <sub>16</sub> O <sub>4</sub>	Linusinsäure	C <sub>18</sub> H <sub>30</sub> O <sub>6</sub>		
Lecidinsäure	C <sub>24</sub> H <sub>30</sub> O <sub>6</sub>	Lithobilinsäure	C <sub>20</sub> H <sub>30</sub> O <sub>8</sub>		
Lecithin	C <sub>24</sub> H <sub>44</sub> O <sub>2</sub> NP	Lithofellinsäure	C <sub>20</sub> H <sub>30</sub> O <sub>4</sub>		
Leden	C <sub>12</sub> H <sub>24</sub>	Lithursäure	C <sub>19</sub> H <sub>18</sub> O <sub>6</sub>		
Leditansäure	C <sub>18</sub> H <sub>30</sub> O <sub>6</sub>	Lobarsäure	C <sub>17</sub> H <sub>16</sub> O <sub>5</sub>		
Ledixanthin	C <sub>19</sub> H <sub>34</sub> O <sub>15</sub>	Loganin	C <sub>18</sub> H <sub>30</sub> O <sub>14</sub>		
Ledumeamplier	C <sub>5</sub> H <sub>26</sub> O	Loiponsäure	C <sub>18</sub> H <sub>11</sub> O <sub>4</sub> N		
Leim	C <sub>7</sub> H <sub>14</sub> O <sub>22</sub> N <sub>24</sub>	Lokätein	C <sub>9</sub> H <sub>18</sub> O <sub>5</sub>		
—	C <sub>10</sub> H <sub>16</sub> O <sub>22</sub> N <sub>21</sub>	Lokalk	C <sub>20</sub> H <sub>34</sub> O <sub>7</sub>		
Leindölsäure	C <sub>14</sub> H <sub>24</sub> O <sub>2</sub>	Lokansäure	C <sub>18</sub> H <sub>30</sub> O <sub>31</sub>		
Leinsamen schleim	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	Lokaonsäure	C <sub>4</sub> H <sub>6</sub> H <sub>45</sub> O <sub>37</sub>		
Leken	C <sub>3</sub> H <sub>3</sub>	Lokase	C <sub>8</sub> H <sub>11</sub> O <sub>6</sub>		
Lepamin	C <sub>20</sub> H <sub>32</sub> N <sub>2</sub>	Lomatiol	C <sub>14</sub> H <sub>14</sub> O <sub>4</sub>		
Lepargylsäure	C <sub>18</sub> H <sub>16</sub> O <sub>4</sub>	Lophin	C <sub>11</sub> H <sub>18</sub> N <sub>2</sub>		
Lepiden	C <sub>20</sub> H <sub>20</sub> O	Lophophorin	C <sub>11</sub> H <sub>17</sub> O <sub>5</sub> N		
Lepidin	C <sub>19</sub> H <sub>20</sub> N	Lorenit	C <sub>9</sub> H <sub>10</sub> NJS		
Lepidopterinsäure	C <sub>11</sub> H <sub>16</sub> O <sub>2</sub> N <sub>2</sub>	Loretin	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub> NJS		
Leprarin	C <sub>26</sub> H <sub>40</sub> O <sub>17</sub>	Loxopterygin	C <sub>26</sub> H <sub>34</sub> O <sub>2</sub> N <sub>2</sub>		
Leucin	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub> N	Lupamin	C <sub>18</sub> H <sub>24</sub> O <sub>8</sub> N <sub>2</sub>		
Leucinimid	C <sub>6</sub> H <sub>11</sub> ON	Lupeole	C <sub>16</sub> H <sub>34</sub> O <sub>9</sub>		
Leucinsäure	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>	Lupeose	C <sub>17</sub> H <sub>20</sub> O <sub>11</sub>		
Leucodrin	C <sub>14</sub> H <sub>16</sub> O <sub>9</sub>	Lupigenin	C <sub>17</sub> H <sub>18</sub> O <sub>6</sub>		
Leukogalloydrin	C <sub>24</sub> H <sub>44</sub> O <sub>10</sub>	Lupinidin	C <sub>15</sub> H <sub>15</sub> N		
Leukoinkösäure	C <sub>6</sub> H <sub>9</sub> O <sub>3</sub> N	Lupinin	C <sub>11</sub> H <sub>16</sub> O <sub>2</sub> N <sub>2</sub>		
Leukotäthlynitrolsäure	C <sub>2</sub> H <sub>4</sub> O <sub>2</sub> N <sub>2</sub>	—	C <sub>22</sub> H <sub>20</sub> O <sub>16</sub>		
Lenkodrin	C <sub>14</sub> H <sub>18</sub> O <sub>6</sub>	Lupulinsäure	C <sub>23</sub> H <sub>46</sub> O <sub>4</sub>		
Leukogalloyd	C <sub>14</sub> H <sub>16</sub> O <sub>12</sub> Cl <sub>12</sub>	Luteinsäure	C <sub>20</sub> H <sub>30</sub> O <sub>12</sub>		
Leukoglykodrin	C <sub>24</sub> H <sub>44</sub> O <sub>10</sub>	Luteol	C <sub>20</sub> H <sub>11</sub> ON <sub>2</sub> Cl		
Leukomalachitgrün	C <sub>23</sub> H <sub>36</sub> N <sub>2</sub>	Luteolin	C <sub>18</sub> H <sub>16</sub> O <sub>8</sub>		
Leukomänsäure	C <sub>6</sub> H <sub>8</sub> O <sub>2</sub>	Lutidin	C <sub>14</sub> H <sub>16</sub> N		
Leukophthalgrin	C <sub>3</sub> H <sub>35</sub> ON <sub>2</sub>	Lutidincarbonsäure	C <sub>8</sub> H <sub>16</sub> O <sub>2</sub> N		
Leukosorol	C <sub>4</sub> H <sub>22</sub> O <sub>4</sub>	—	C <sub>8</sub> H <sub>16</sub> O <sub>4</sub> N		
Leukotursäure	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub> N <sub>4</sub>	Lutidinsäure	C <sub>7</sub> H <sub>16</sub> O <sub>4</sub> N		
		Lutidoncarbonsäure	C <sub>8</sub> H <sub>16</sub> O <sub>8</sub> N <sub>2</sub>		
		Lycaconitin	C <sub>17</sub> H <sub>33</sub> O <sub>6</sub> N <sub>2</sub>		
		—	C <sub>4</sub> H <sub>8</sub> O <sub>12</sub> N <sub>2</sub>		
		Lycin	C <sub>8</sub> H <sub>11</sub> O <sub>2</sub> N <sub>2</sub>		
		Lycocetonin	C <sub>9</sub> H <sub>14</sub> O <sub>2</sub> N <sub>2</sub>		

Margarinsäure	C <sub>17</sub> H <sub>34</sub> O <sub>2</sub>	Menthoupinakon	C <sub>29</sub> H <sub>38</sub> O <sub>2</sub>	Methylenazur	C <sub>16</sub> H <sub>18</sub> O <sub>2</sub> N <sub>3</sub> JS
Masopin	C <sub>29</sub> H <sub>18</sub> O	Menthylamin	C <sub>19</sub> H <sub>21</sub> N	Methylenbisantipyrin	C <sub>23</sub> H <sub>14</sub> O <sub>4</sub> N <sub>4</sub>
—	C <sub>23</sub> H <sub>20</sub> O	Menthoximsäure	C <sub>19</sub> H <sub>18</sub> O <sub>3</sub> N	Methylenblau	C <sub>16</sub> H <sub>18</sub> N <sub>3</sub> ClS
Matexit	C <sub>19</sub> H <sub>30</sub> O <sub>9</sub>	Menthylamin	C <sub>19</sub> H <sub>21</sub> N	Methylendigallussäure	C <sub>15</sub> H <sub>12</sub> O <sub>9</sub>
Matezodambose	C <sub>9</sub> H <sub>12</sub> O <sub>9</sub>	Mentouaphthen	C <sub>19</sub> H <sub>20</sub>	Methylenidikresotinsäure	C <sub>17</sub> H <sub>18</sub> O <sub>6</sub>
—	C <sub>9</sub> H <sub>14</sub> O <sub>9</sub>	Menyanthin	C <sub>20</sub> H <sub>40</sub> O <sub>14</sub>	Methylenidisalicylsäure	C <sub>15</sub> H <sub>12</sub> O <sub>6</sub>
Maticocampher	C <sub>19</sub> H <sub>20</sub> O	Menyanthol	C <sub>9</sub> H <sub>8</sub> O	Methylenitenan	C <sub>9</sub> H <sub>10</sub> O <sub>6</sub>
Matrin	C <sub>15</sub> H <sub>24</sub> ON <sub>2</sub>	Merochinolin	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub> N	—	C <sub>7</sub> H <sub>14</sub> O <sub>6</sub>
Mauvanilin	C <sub>16</sub> H <sub>17</sub> N <sub>3</sub>	Mesaksäure	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>	Methylenroth	C <sub>9</sub> H <sub>10</sub> N <sub>3</sub> ClS
Mauvein	C <sub>27</sub> H <sub>21</sub> N <sub>4</sub>	Mesicerin	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>	Methyleneviolet	C <sub>14</sub> H <sub>12</sub> ON <sub>2</sub> S
Mau vindon	C <sub>24</sub> H <sub>17</sub> ON <sub>3</sub>	Mesidin	C <sub>9</sub> H <sub>12</sub> N	Methylglykohepostid	C <sub>16</sub> H <sub>10</sub> O <sub>7</sub>
Medicagol	C <sub>9</sub> H <sub>12</sub> O <sub>4</sub>	Mesitenaktone	C <sub>9</sub> H <sub>8</sub> O <sub>2</sub>	Methylguanicil	C <sub>9</sub> H <sub>10</sub> ON <sub>3</sub>
Medicaphyll	C <sub>4</sub> H <sub>6</sub> O <sub>14</sub> N	Mesitenaktonecarbonsäure	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>	Methylkaufkirsäure	C <sub>11</sub> H <sub>10</sub> O <sub>3</sub>
Medullinäsure	C <sub>21</sub> H <sub>12</sub> O <sub>4</sub> N	Mesitol	C <sub>9</sub> H <sub>13</sub> O	Methylphthalimidhydrazid	C <sub>9</sub> H <sub>9</sub> O <sub>2</sub> N <sub>2</sub>
Mekonidin	C <sub>7</sub> H <sub>12</sub> O <sub>4</sub> N <sub>2</sub>	Mesitonäsure	C <sub>7</sub> H <sub>12</sub> O <sub>3</sub>	Methylpyrulin	C <sub>4</sub> H <sub>6</sub> N
Mekonin	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Mesitylen	C <sub>9</sub> H <sub>12</sub>	Methyltaurocyamin	C <sub>4</sub> H <sub>11</sub> O <sub>3</sub> S
Mekouninessäure	C <sub>12</sub> H <sub>11</sub> O <sub>5</sub>	Mesitylensäure	C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>	Methyltetrose	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>
Mekoinäsure	C <sub>10</sub> H <sub>11</sub> O <sub>5</sub>	Mesitolyx	C <sub>9</sub> H <sub>10</sub> O	Methyltropenol	C <sub>9</sub> H <sub>11</sub> N
Mekoinessäure	C <sub>10</sub> H <sub>11</sub> O <sub>5</sub>	Mesitolyxido	C <sub>9</sub> H <sub>10</sub> O	Methyluvinsäure	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>
Mekonit	C <sub>10</sub> H <sub>10</sub> O <sub>3</sub>	Mesitolyxodiazalesture	C <sub>9</sub> H <sub>9</sub> O <sub>4</sub>	Methylviolet	C <sub>25</sub> H <sub>31</sub> O <sub>3</sub>
Mekonit	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Mesitolsäure	C <sub>11</sub> H <sub>13</sub> O <sub>3</sub> N	Methoxylosid	C <sub>6</sub> H <sub>12</sub> O <sub>5</sub>
Mekouninessäure	C <sub>12</sub> H <sub>11</sub> O <sub>5</sub>	Mesocampfersäure	C <sub>10</sub> H <sub>16</sub> O <sub>4</sub>	Methylsticoll	C <sub>9</sub> H <sub>12</sub> O <sub>3</sub>
Melanofidnsäure	C <sub>340</sub> H <sub>221</sub> O <sub>58</sub> N <sub>17</sub> S <sub>2</sub>	Mesorcin	C <sub>9</sub> H <sub>12</sub> O <sub>2</sub>	Metinulin	C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>
Melanoximicin	C <sub>15</sub> H <sub>11</sub> O <sub>2</sub> N <sub>3</sub>	Mesoweinssäure	C <sub>4</sub> H <sub>6</sub> O <sub>6</sub>	Metol	C <sub>7</sub> H <sub>10</sub> ON
Melansäure	C <sub>6</sub> H <sub>4</sub> O <sub>3</sub>	Mesoxalsäure	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub>	Mezcalin	C <sub>11</sub> H <sub>12</sub> O <sub>3</sub> N
Melanithigenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Mesoryalharnstoff	C <sub>6</sub> H <sub>2</sub> O <sub>4</sub> N <sub>2</sub>	Milchssäure	C <sub>9</sub> H <sub>8</sub> O <sub>3</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metachloral	C <sub>9</sub> H <sub>10</sub> Cl <sub>3</sub>	Milchzucker	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metacaparaväsure	C <sub>20</sub> H <sub>30</sub> O <sub>7</sub>	Mochylalkohol	C <sub>26</sub> H <sub>46</sub> O
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metacaparaväsure	C <sub>22</sub> H <sub>34</sub> O <sub>4</sub>	Monothiodiprussiumsäure	C <sub>6</sub> H <sub>9</sub> N <sub>10</sub> S
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Mesafulminursäure	C <sub>9</sub> H <sub>9</sub> O <sub>3</sub> N <sub>3</sub>	Moradlin	C <sub>14</sub> H <sub>12</sub> O <sub>4</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metakrolein	C <sub>6</sub> H <sub>8</sub> O <sub>2</sub>	Morin	C <sub>19</sub> H <sub>14</sub> O <sub>7</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metaldehyd	C <sub>6</sub> H <sub>10</sub> O <sub>3</sub>	Morindin	C <sub>20</sub> H <sub>13</sub> O <sub>14</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methanethiol	C <sub>19</sub> H <sub>12</sub> O	Morindon	C <sub>19</sub> H <sub>12</sub> O <sub>5</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metanikotin	C <sub>16</sub> H <sub>14</sub> N <sub>2</sub>	Moringerbäsure	C <sub>13</sub> H <sub>10</sub> O <sub>6</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metapektin	C <sub>23</sub> H <sub>34</sub> O <sub>37</sub>	Morinsäure	C <sub>13</sub> H <sub>10</sub> O <sub>7</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metapimeliosäure	C <sub>9</sub> H <sub>12</sub> O <sub>4</sub>	Morphenol	C <sub>14</sub> H <sub>10</sub> O <sub>2</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metapropionaldehyd	C <sub>9</sub> H <sub>14</sub> O <sub>3</sub>	Morphin	C <sub>17</sub> H <sub>19</sub> O <sub>3</sub> N
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metapurpuräsure	C <sub>9</sub> H <sub>8</sub> O <sub>4</sub> N <sub>3</sub>	Morphin violet	C <sub>25</sub> H <sub>29</sub> O <sub>9</sub> N <sub>3</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Mecatarabin	C <sub>12</sub> H <sub>11</sub> O <sub>11</sub>	Morpholin	C <sub>9</sub> H <sub>10</sub> ON
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metasaccharin	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	Morpholin	C <sub>17</sub> H <sub>17</sub> O <sub>9</sub> N
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metasaccharinsäure	C <sub>4</sub> H <sub>7</sub> O <sub>6</sub>	Morphothebaün	C <sub>18</sub> H <sub>10</sub> O <sub>5</sub> N
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Metazucker	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	Morrenol	C <sub>14</sub> H <sub>12</sub> O <sub>4</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methakrylsäure	C <sub>4</sub> H <sub>6</sub> O <sub>2</sub>	Morrhui	C <sub>10</sub> H <sub>21</sub> N <sub>3</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methan	CH <sub>4</sub>	Morrhuinsäure	C <sub>9</sub> H <sub>13</sub> O <sub>3</sub> N
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methanthren	C <sub>15</sub> H <sub>12</sub>	Moschatin	C <sub>21</sub> H <sub>27</sub> O <sub>7</sub> N
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methanthrol	C <sub>15</sub> H <sub>12</sub> O	Mucin	C <sub>16</sub> H <sub>25</sub> O <sub>6</sub> N <sub>22</sub> S
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methazonsäure	C <sub>4</sub> H <sub>7</sub> O <sub>3</sub> N <sub>2</sub>	Mucobrominsäure	C <sub>8</sub> H <sub>10</sub> O <sub>5</sub> Br <sub>2</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methebinin	C <sub>11</sub> H <sub>11</sub> O <sub>3</sub> N	Mueochlorsäure	C <sub>4</sub> H <sub>9</sub> O <sub>3</sub> Cl <sub>2</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methionin	CH <sub>3</sub> CH <sub>2</sub> O <sub>2</sub> S <sub>2</sub>	Mukolaktionsäure	C <sub>6</sub> H <sub>6</sub> O <sub>4</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methioninsäure	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> N <sub>2</sub>	Mukonsäure	C <sub>8</sub> H <sub>6</sub> O <sub>4</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methodefen	C <sub>19</sub> H <sub>23</sub> O <sub>7</sub> N	Murexan	C <sub>8</sub> H <sub>10</sub> O <sub>3</sub> N <sub>3</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	Murexid	C <sub>8</sub> H <sub>8</sub> O <sub>6</sub> N <sub>5</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methronoul	C <sub>18</sub> H <sub>20</sub>	Murexoin	C <sub>19</sub> H <sub>16</sub> O <sub>6</sub> N <sub>8</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methronäsure	C <sub>8</sub> H <sub>8</sub> O <sub>5</sub>	Murrayatin	C <sub>18</sub> H <sub>15</sub> O <sub>5</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methylammoniumchlorid	C <sub>6</sub> H <sub>7</sub> O <sub>5</sub> N	Murrayatin	C <sub>18</sub> H <sub>21</sub> O <sub>10</sub>
Melanithogenin	C <sub>14</sub> H <sub>22</sub> O <sub>7</sub>	Methylarambinosid	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>		

Muscarin  $C_{18}H_{35}O_2N$   
 $C_{18}H_{14}O_2N_2$   
 Mydatoxin  $C_{18}H_{13}O_2N$   
 Mydin  $C_{18}H_9ON$   
 Mykometinsäure  $C_{18}H_{14}O_2N_4$   
 Mykoprotein  $C_{25}H_{42}O_5N_6$   
 Mykose  $C_{12}H_{12}O_1N_1$   
 Myoctonin  $C_{27}H_{54}O_6N_2$   
 $- C_{45}H_{92}O_6N_2$   
 Myoglobulin  $C_{14}H_{17}O_{25}N_{30}S$   
 Myosin  $C_{108}H_{175}O_{35}N_{38}S$   
 Myreen  $C_{18}H_{16}$   
 Myricetin  $C_{18}H_{16}O_5$   
 Myricylalkohol  $C_{30}H_{62}O$   
 Myristicin  $C_{12}H_{14}O_3$   
 Myristicinsäure  $C_{9}H_{16}O_5$   
 Myristicinol  $C_{18}H_{16}O$   
 Myristinsäure  $C_{14}H_{28}O_2$   
 Myristolidsäure  $C_{14}H_{24}O_2$   
 Myriston  $C_{27}H_{54}O$   
 Myrosäure  $C_{12}H_{17}O_2N_2$   
 Myroxin  $C_{23}H_{35}O$   
 Myroxocarpin  $C_{18}H_{16}O_3$   
 Myrocerin  $C_{18}H_{16}O$   
 Myroxofluorin  $C_{42}H_{64}O_{10}$   
 Myroxol  $C_{46}H_{68}O_{10}$   
 Myroxoresen  $C_{18}H_{16}O$   
 Myrticolorin  $C_{18}H_{16}O_{16}$   
 Mytiotoxin  $C_{6}H_{15}O_2N$

Napellin  $C_{21}H_{44}O_1N$   
 Naphtacen  $C_{18}H_{12}$   
 Napthalazin  $C_{17}H_{16}N_2$   
 Napthalenosin  $C_{14}H_{10}O_6Br_4$   
 Napthalhydroxansäure  
 $C_{12}H_7O_3N$   
 Napthalin  $C_{16}H_8$   
 Napthalloxaizin  $C_{14}H_8O_4N_4$   
 Naphtalsäure  $C_{12}H_7O_4$   
 Napthanthracen  $C_{18}H_{17}$   
 Napthanthrachinon  $C_{18}H_{10}O_2$   
 Naphtazarin  $C_{19}H_{10}O_4$   
 Naplitazin  $C_{20}H_{17}N_2$   
 Naphtidiazin  $C_{13}H_8N_2$   
 Naptidin  $C_{20}H_8N_2$   
 Napthilbenzil  $C_{21}H_{17}ON$   
 Napthimidazol  $C_{11}H_8N_3$   
 Naphtindol  $C_{19}H_9N$   
 Naphtindon  $C_{20}H_{16}ON_2$   
 Naphtindophenazin  $C_{18}H_{11}N_3$   
 Naphtindulin  $C_{24}H_{17}N_1$   
 Naphtiodiazol  $C_{19}H_6N_2S$   
 Naphtisatin  $C_{18}H_7O_4N$   
 Naphtisodiazin  $C_{15}H_8N_2$   
 Naphtisolendiazol  
 $C_{10}H_6N_2Se$   
 Naphtisotrinazol  $C_{10}H_7N_3$   
 Naphochinaldin  $C_{14}H_{11}N$   
 Naphtochinchydron  $C_{20}H_{14}O_4$   
 Naphtochinoindolin  $C_{13}H_9N$   
 Naphtochinoindonphenazin  
 $C_{16}H_8O_2N_2$   
 Naphtochinoxalin  $C_{12}H_8N_2$

Naphtocumarin  $C_{12}H_8O_2$   
 Naphtocumarsäure  $C_{13}H_{10}O_3$   
 Naphtodiphenazin  $C_{22}H_{12}N_4$   
 Naphtoësäure  $C_{11}H_6O_2$   
 Naphtoflavon  $C_{18}H_{12}O_2$   
 Naphtofluoran  $C_{28}H_{16}O_3$   
 Naphtofuran  $C_{12}H_8O$   
 Naphtogluconinsäure  
 $C_{46}H_{35}O_6N_3$   
 Naphtol  $C_{16}H_8O$   
 Naphthobenzin  $C_{18}H_{16}O_5$   
 Naphtholblau  $C_{18}H_{16}ON_2$   
 Naphthofurnzan  $C_{16}H_8O_2N_2$   
 Naphtholphalein  $C_{28}H_{16}O_3$   
 $- C_{29}H_{15}O_4$   
 Naphtholviolet  $C_{18}H_{14}ON_2$   
 Naphthophenantrazin  
 $C_{24}H_{14}N_1$   
 Naphthophenazin  $C_{18}H_{16}N_2$   
 Naphthophenostranin  
 $C_{22}H_{14}NCl$   
 Naphtopiaesolen  $C_{19}H_8N_2S$   
 Naphtopiazthiol  $C_{19}H_8N_2S$   
 Naphtopyron  $C_{19}H_{12}O_2$   
 Naphtosafrol  $C_{20}H_{14}O_2N_2$   
 Naphostyril  $C_{11}H_8ON$   
 Naphostyrylchinon  $C_{11}H_8O_5N$   
 Naphostyryltolazin  
 $C_{15}H_{11}ON_3$   
 Naphtoxasäure  $C_{16}H_8O_6$   
 Naphtoxiazol  $C_{19}H_8ON_2$   
 Naphtoxindol  $C_{18}H_8ON$   
 Naphtriazol  $C_{10}H_7N_3$   
 Naphthursäure  $C_{12}H_8O_5N$   
 Naphthylblau  $C_{38}H_{26}N_4$   
 Naphthylindigo  $C_{21}H_{14}O_2N_2$   
 Naphthyltho  $C_{28}H_{16}N_4$   
 Naphthylviolet  $C_{22}H_{22}N_4$   
 Narcein  $C_{23}H_{27}O_4N$   
 Narceinsäure  $C_{18}H_{15}O_8N$   
 Narconsäure  $C_{21}H_{20}O_6$   
 Naringenin  $C_{15}H_{12}O_5$   
 Narzingin  $C_{21}H_{16}O_1$   
 Narkotin  $C_{22}H_{23}O_2N$   
 Nartiusäure  $C_{20}H_{16}O_6N_2$   
 Nataloin  $C_{25}H_{28}O_1$   
 Naudinin  $C_{19}H_{19}O_4N$   
 Neobornylamin  $C_{10}H_{19}N$   
 Nepalin  $C_{17}H_{14}O_4$   
 Nephrin  $C_{20}H_{32}$   
 Nephronin  $C_{16}H_{12}O_6$   
 Nepodin  $C_{18}H_{10}O_6$   
 Nerolin  $C_{11}H_{10}O_4$   
 Nerolol  $C_{10}H_{18}O$   
 Neuridin  $C_{11}H_7N_3$   
 Neurin  $C_{11}H_5ON$   
 Neurostearinsäure  $C_{18}H_{30}O_2$   
 Nichin  $C_{19}H_{14}O_2N_2$   
 Nigrozin  $C_{26}H_{27}N_3$   
 Nikotidin  $C_{10}H_{14}N_2$   
 Nikotin  $C_{10}H_{14}N_2$   
 Nikotinsäure  $C_{6}H_8O_2N_2$   
 Nikotol  $C_{14}H_{14}ON_2$   
 Nikoton  $C_{10}H_{14}ON_2$

Nikotyrin  $C_{16}H_{16}N_2$   
 Nipecotinsäure  $C_6H_{11}O_2N$   
 Nitthialin  $C_{12}H_{14}ON_4S$   
 Nitridodiacetonamid  
 $C_7H_{14}ON_2$   
 Nononaphthen  $C_9H_{16}$   
 Nononaphylalkohol  $C_9H_{18}O$   
 Nononaphylen  $C_9H_{16}$   
 Nopinon  $C_9H_{14}O$   
 Nopinsäure  $C_{16}H_{16}O_3$   
 Norcaperatsäure  $C_{21}H_{36}O_6$   
 Norecgonin  $C_8H_{13}O_3N$   
 Norgranatenin  $C_8H_{13}N$   
 Norguajakharzäure  $C_{18}H_{22}O_4$   
 Norhemipinsäure  $C_9H_8O_6$   
 Norhydrotropidin  $C_{14}H_{12}N$   
 Norisozuckersäure  $C_6H_{10}O_5$   
 Normekoninessigsäure  
 $C_{10}H_8O_6$   
 Nornarkotin  $C_{19}H_{17}O_7N$   
 Noropianmethyllätheräure  
 $C_9H_8O_5$   
 Noropianinsäure  $C_8H_6O_5$   
 Noropianzon  $C_9H_8O_3N_2$   
 Norpinsäure  $C_5H_{11}O_4$   
 Norrangiformsäure  $C_{20}H_{34}O_6$   
 Norrizocarpäsäure  $C_{26}H_{18}O_7$   
 Northebenol  $C_{16}H_{19}O_2$   
 Nortropinon  $C_7H_{11}ON$   
 Noryohimbinsäure  
 $C_{19}H_{20}O_2N_2$   
 Nucin  $C_{10}H_8O_5$   
 Nuclein  $C_{29}H_{40}O_{22}N_3P_3$   
 Nucleosin  $C_6H_8O_3N_2$   
 Nupharin  $C_{18}H_{22}O_2N_2$

Oelsäure  $C_{18}H_{34}O_2$   
 Oenanthin  $C_8H_{12}$   
 Oenanthonothidithioreid  
 $C_8H_{29}N_2S_2$   
 Oenanthonodiureid  $C_9H_{20}O_2N_1$   
 Oenanthonoxureid  
 $C_4H_6O_6N_1$   
 Oeananthol  $C_8H_{14}O$   
 Oenanthonolanilin  $C_{13}H_{11}ON$   
 Oenanthschwefelgesäure  
 $C_8H_4O_3S$   
 Oenanthon  $C_{12}H_{26}O$   
 Oeananthotetrureid  
 $C_{25}H_{32}O_4N_2$   
 Oeananthothialdin  $C_8H_{14}NS_2$   
 Oenanthsäure  $C_7H_{14}O_2$   
 Oenanthyldien  $C_7H_{12}$   
 Oenocarpol  $C_9H_{14}O_3$   
 Oenoglucin  $C_6H_8O_3$   
 Oktaspaspartid  $C_{32}H_{50}O_{17}N_8$   
 Oktaspartsäure  $C_{12}H_{12}O_2N_6$   
 Oktokosan  $C_{28}H_{56}$   
 Oktonaphthenäure  $C_8H_{11}O_2$   
 Oktylyerytri  $C_8H_{14}O_4$   
 Oleinsäure  $C_{18}H_{34}O_2$   
 Oleocutinsäure  $C_{14}H_{20}O_4$   
 Olibanoresen  $C_{14}H_{21}O$

Oliben	C <sub>10</sub> H <sub>16</sub>	Oxalyl diacetat C <sub>8</sub> H <sub>10</sub> O <sub>4</sub>	Papaverinaminsäure
Olivil	C <sub>14</sub> H <sub>18</sub> O <sub>2</sub>	Oxalyl diureid C <sub>4</sub> H <sub>6</sub> O <sub>4</sub> N <sub>4</sub>	C <sub>16</sub> H <sub>14</sub> O <sub>6</sub> N <sub>2</sub>
Omicholin	C <sub>14</sub> H <sub>20</sub> O <sub>5</sub> N	Oxalylmalondiureid	Papaverinsäure C <sub>16</sub> H <sub>12</sub> O <sub>7</sub> N
Onocerin	C <sub>20</sub> H <sub>44</sub> O <sub>7</sub>	C <sub>2</sub> H <sub>4</sub> O <sub>4</sub> N <sub>4</sub>	Papaverolin C <sub>16</sub> H <sub>12</sub> O <sub>4</sub> N
Onocol	C <sub>20</sub> H <sub>44</sub> O <sub>7</sub>	Oxamäthan C <sub>4</sub> H <sub>7</sub> O <sub>5</sub> N	Paräskuletin C <sub>9</sub> H <sub>6</sub> O <sub>4</sub>
Onoketon	C <sub>20</sub> H <sub>40</sub> O <sub>7</sub>	Oxamethylan C <sub>2</sub> H <sub>5</sub> O <sub>5</sub> N	Parabansäure C <sub>9</sub> H <sub>8</sub> O <sub>3</sub>
Ononetin	C <sub>23</sub> H <sub>38</sub> O <sub>6</sub>	Oxamid C <sub>3</sub> H <sub>6</sub> O <sub>4</sub> N <sub>2</sub>	Paracajeputin C <sub>26</sub> H <sub>39</sub>
Ononin	C <sub>9</sub> H <sub>14</sub> O <sub>12</sub>	Oxamidin C <sub>3</sub> H <sub>6</sub> N <sub>2</sub>	Paracamphersäure C <sub>10</sub> H <sub>16</sub> O <sub>4</sub>
Onospin	C <sub>20</sub> H <sub>34</sub> O <sub>12</sub>	Oxaminsäure C <sub>2</sub> H <sub>4</sub> O <sub>5</sub> N	Paracatol C <sub>28</sub> H <sub>40</sub> O <sub>2</sub>
Opalsin	C <sub>15</sub> H <sub>29</sub> N <sub>4</sub> S <sub>4</sub> P	Oxanilinsäure C <sub>2</sub> H <sub>2</sub> O <sub>3</sub> N	Parachloraoldesdichsulfel-
Opheliaäsure	C <sub>13</sub> H <sub>20</sub> O <sub>10</sub>	Oxatolylsäure C <sub>16</sub> H <sub>16</sub> O <sub>2</sub>	säure C <sub>9</sub> H <sub>11</sub> O <sub>12</sub> Cl <sub>2</sub> S <sub>2</sub>
Ophioxylin	C <sub>16</sub> H <sub>12</sub> O <sub>6</sub>	Oxetan C <sub>3</sub> H <sub>12</sub> O <sub>2</sub>	Parachloralsäure C <sub>2</sub> H <sub>9</sub> O <sub>4</sub> Cl <sub>2</sub>
Opiammon	C <sub>10</sub> H <sub>18</sub> O <sub>4</sub> N	Oxetonecarbonsäure C <sub>8</sub> H <sub>12</sub> O <sub>4</sub>	Parahochesterin C <sub>26</sub> H <sub>44</sub> O
Opiantanthsäure	C <sub>10</sub> H <sub>18</sub> O <sub>6</sub> N	Oximid C <sub>3</sub> H <sub>6</sub> O <sub>4</sub> N	Paracollidin C <sub>11</sub> H <sub>11</sub> N
Opiopharnstoff	C <sub>11</sub> H <sub>12</sub> O <sub>5</sub> N <sub>2</sub>	Oxindol C <sub>3</sub> H <sub>5</sub> O <sub>2</sub> N	Paraconiin C <sub>8</sub> H <sub>12</sub> N
Opiopanin	C <sub>21</sub> H <sub>22</sub> O <sub>7</sub> N	Oxoketenol C <sub>5</sub> H <sub>10</sub> O <sub>2</sub>	Paracoton C <sub>11</sub> H <sub>18</sub>
Opiansäure	C <sub>10</sub> H <sub>18</sub> O <sub>5</sub>	Oxonsäure C <sub>1</sub> H <sub>2</sub> O <sub>4</sub> N <sub>2</sub>	Paracotoin C <sub>15</sub> H <sub>16</sub> O <sub>4</sub>
Opianschweifigäsure	C <sub>10</sub> H <sub>12</sub> O <sub>8</sub> S	Oxycannabin C <sub>1</sub> H <sub>10</sub> O <sub>4</sub> N	Paracotolinsäure C <sub>15</sub> H <sub>16</sub> O <sub>2</sub>
Opianylessigsäure	C <sub>12</sub> H <sub>14</sub> O <sub>7</sub>	— C <sub>2</sub> H <sub>2</sub> O <sub>5</sub> N <sub>2</sub>	Paracoton C <sub>2</sub> H <sub>12</sub> O
Opiaurin	C <sub>9</sub> H <sub>12</sub> O <sub>6</sub>	Oxychinhydrin C <sub>1</sub> H <sub>10</sub> O <sub>9</sub>	Paracumaron C <sub>9</sub> H <sub>8</sub> O
Opiazon	C <sub>10</sub> H <sub>18</sub> O <sub>5</sub> N <sub>2</sub>	Oxyconicef C <sub>3</sub> H <sub>4</sub> ON	Paracyan C <sub>6</sub> N <sub>6</sub>
Opinsäure	C <sub>9</sub> H <sub>10</sub> O <sub>5</sub>	Oxydiaterpensäure C <sub>5</sub> H <sub>14</sub> O <sub>6</sub>	Paradaticetin C <sub>16</sub> H <sub>16</sub> O <sub>6</sub>
Orange III	C <sub>14</sub> H <sub>18</sub> O <sub>3</sub> N <sub>2</sub> S	Oxydigotsäure C <sub>1</sub> H <sub>26</sub> O <sub>4</sub>	Paradextran C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>
Orcacetäte	C <sub>15</sub> H <sub>16</sub> O <sub>4</sub>	Oxygranatanin C <sub>6</sub> H <sub>15</sub> ON	Paradiconiin C <sub>16</sub> H <sub>17</sub> N
Orcactophenon	C <sub>14</sub> H <sub>16</sub> O <sub>3</sub>	Oxyhämoglobin C <sub>28</sub> H <sub>58</sub> O <sub>44</sub> N <sub>14</sub> S <sub>2</sub> Fe	Paradipimolsäure C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
Orcéin	C <sub>2</sub> H <sub>2</sub> O <sub>2</sub> N <sub>2</sub>	— C <sub>12</sub> H <sub>11</sub> O <sub>10</sub> N <sub>2</sub> S <sub>2</sub> Fe	Paradipinsäure C <sub>5</sub> H <sub>10</sub> O <sub>4</sub>
Orcendialdehyd	C <sub>6</sub> H <sub>8</sub> O <sub>4</sub>	Oxykomazin C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub>	Paraffinsäure C <sub>1</sub> H <sub>26</sub> O <sub>5</sub> N
Orcin	C <sub>7</sub> H <sub>8</sub> O <sub>2</sub>	Oxyleucein C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub>	— C <sub>2</sub> H <sub>4</sub> H <sub>10</sub> O <sub>2</sub>
— C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	Oxymercabid C <sub>2</sub> H <sub>6</sub> O <sub>4</sub> G <sub>2</sub>	Paragalaktin C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>	
Orcinaurin	C <sub>22</sub> H <sub>18</sub> O <sub>5</sub>	Oxymesitendarbinsäure C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>	Paraglobulin C <sub>11</sub> H <sub>12</sub> O <sub>5</sub> N <sub>2</sub> S
Orcindichroin	C <sub>14</sub> H <sub>11</sub> O <sub>5</sub> N	Oxyperezon C <sub>1</sub> H <sub>20</sub> O <sub>4</sub>	Paragliukosäure C <sub>6</sub> H <sub>12</sub> O <sub>7</sub>
Orcinphthalein	C <sub>21</sub> H <sub>16</sub> O <sub>5</sub>	Oxypeucedatin C <sub>1</sub> H <sub>22</sub> O <sub>7</sub>	Paraglykoholsäure C <sub>2</sub> H <sub>4</sub> O <sub>6</sub> N
Orcinphthalin	C <sub>22</sub> H <sub>18</sub> O <sub>5</sub>	— C <sub>20</sub> H <sub>20</sub> O <sub>6</sub>	Parahydrocyanoaldin C <sub>9</sub> H <sub>12</sub> N <sub>4</sub>
Orcinsäure	C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>	Oxyprotsulfonsäure — C <sub>7</sub> H <sub>11</sub> O <sub>26</sub> N <sub>18</sub> S	Parainden C <sub>8</sub> H <sub>8</sub>
Orcirufamin	C <sub>13</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub>	— C <sub>6</sub> H <sub>12</sub> O <sub>26</sub> N <sub>18</sub> S	Paraisodextran C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>
Orcirufin	C <sub>4</sub> H <sub>11</sub> O <sub>2</sub> N	Oxyrocksäure C <sub>1</sub> H <sub>12</sub> O <sub>2</sub>	Parakonsäure C <sub>6</sub> H <sub>9</sub> O <sub>4</sub>
Ocylaldehyde	C <sub>6</sub> H <sub>8</sub> O <sub>2</sub>	Oxytetraldin C <sub>17</sub> H <sub>32</sub> O <sub>6</sub>	Parakrylsäure C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>
Oreoselon	C <sub>14</sub> H <sub>10</sub> O <sub>5</sub>	Oxytraldin C <sub>6</sub> H <sub>11</sub> ON	Paraldehyd C <sub>6</sub> H <sub>12</sub> O <sub>3</sub>
Oreosolin	C <sub>14</sub> H <sub>11</sub> O <sub>4</sub>	Oxytropin C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> N	Paraldehydblaul C <sub>3</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub> Cl <sub>2</sub>
Orexin	C <sub>11</sub> H <sub>11</sub> N <sub>3</sub>	Oxywrightin C <sub>1</sub> H <sub>21</sub> ON	Paraldimin C <sub>6</sub> H <sub>12</sub> O <sub>2</sub> N <sub>2</sub>
Ornithin	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub> N <sub>2</sub>	Ozobenzol C <sub>6</sub> H <sub>6</sub> O <sub>6</sub>	Paraldol C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>
Ornitursäure	C <sub>10</sub> H <sub>18</sub> O <sub>4</sub> N <sub>2</sub>	Ozotoluol C <sub>7</sub> H <sub>8</sub> O <sub>6</sub>	Paramenispermin C <sub>15</sub> H <sub>24</sub> O <sub>2</sub> N <sub>2</sub>
Orsellinsäure	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub>		Paramilchsäure C <sub>6</sub> H <sub>8</sub> O <sub>3</sub>
Oryctylase	C <sub>18</sub> H <sub>28</sub> O <sub>4</sub> N <sub>4</sub>		Paramorfin C <sub>13</sub> H <sub>12</sub> O <sub>2</sub>
Oscin	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub> N <sub>2</sub>	Pachymose C <sub>10</sub> H <sub>24</sub> O <sub>4</sub>	Paramylum C <sub>9</sub> H <sub>10</sub> O <sub>6</sub>
Osmitesöl	C <sub>10</sub> H <sub>18</sub> O <sub>2</sub>	— C <sub>14</sub> H <sub>44</sub> O <sub>3n</sub>	Paranthracen C <sub>29</sub> H <sub>30</sub>
Osostriazol	C <sub>3</sub> H <sub>11</sub> N <sub>3</sub>	Pänol C <sub>9</sub> H <sub>10</sub> O <sub>9</sub>	Paraoxellinsäure C <sub>6</sub> H <sub>6</sub> O <sub>4</sub>
Osthin	C <sub>15</sub> H <sub>16</sub> O <sub>3</sub>	Palmitinsäure C <sub>16</sub> H <sub>32</sub> O <sub>7</sub>	Parapektin C <sub>32</sub> H <sub>46</sub> O <sub>27</sub>
Ostruthrin	C <sub>15</sub> H <sub>10</sub> O <sub>3</sub>	Palmitolsäure C <sub>16</sub> H <sub>32</sub> O <sub>5</sub>	Parapektinsäure C <sub>24</sub> H <sub>34</sub> O <sub>23</sub>
Osyrritin	C <sub>17</sub> H <sub>20</sub> O <sub>17</sub>	Palmiton C <sub>31</sub> H <sub>62</sub> O <sub>6</sub>	Parapepton C <sub>14</sub> H <sub>24</sub> O <sub>42</sub> N <sub>36</sub> S
Otobit	C <sub>14</sub> H <sub>16</sub> O <sub>3</sub>	Palmitoxylsäure C <sub>16</sub> H <sub>26</sub> O <sub>4</sub>	Paraphyosterin C <sub>4</sub> H <sub>10</sub> O <sub>2</sub>
Oubaïn	C <sub>20</sub> H <sub>46</sub> O <sub>12</sub>	Panakon C <sub>9</sub> H <sub>10</sub> O <sub>7</sub>	— C <sub>26</sub> H <sub>44</sub> O
Oxalan	C <sub>3</sub> H <sub>11</sub> O <sub>2</sub> N <sub>2</sub>	Panaquilon C <sub>n</sub> H <sub>42</sub> O <sub>15</sub>	Parapropionaldehyd C <sub>9</sub> H <sub>10</sub> O <sub>2</sub>
Oxalantin	C <sub>4</sub> H <sub>8</sub> O <sub>2</sub> N <sub>4</sub>	Panaresitannol C <sub>34</sub> H <sub>50</sub> O <sub>6</sub>	Parapryogen C <sub>16</sub> H <sub>12</sub> O
Oxaldibenzamsäure	C <sub>14</sub> H <sub>12</sub> O <sub>2</sub> N <sub>2</sub>	Panaxresen C <sub>33</sub> H <sub>52</sub> O <sub>6</sub>	Parapyruvinsäure C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>
Oxalessigsäure	C <sub>4</sub> H <sub>4</sub> O <sub>4</sub>	— C <sub>29</sub> H <sub>54</sub> O <sub>4</sub>	Pararabin C <sub>11</sub> H <sub>12</sub> O <sub>11</sub>
Oxalohydroxamsäure	C <sub>3</sub> H <sub>4</sub> O <sub>4</sub> N <sub>2</sub>	Panicol C <sub>13</sub> H <sub>20</sub> O <sub>6</sub>	Parareducin C <sub>6</sub> H <sub>9</sub> O <sub>3</sub> N <sub>3</sub>
Oxalisäure	C <sub>3</sub> H <sub>4</sub> O <sub>4</sub>	Pannasäure C <sub>1</sub> H <sub>14</sub> O <sub>4</sub>	Parasaccharinsäure C <sub>2</sub> H <sub>12</sub> O <sub>6</sub>
Oxaluraniilid	C <sub>6</sub> H <sub>8</sub> O <sub>2</sub> N <sub>2</sub>	Pannol C <sub>1</sub> H <sub>4</sub> O <sub>4</sub>	Parasafrainin C <sub>29</sub> H <sub>16</sub> N <sub>4</sub>
Oxalursäure	C <sub>3</sub> H <sub>4</sub> O <sub>4</sub> N <sub>2</sub>	Papaveraldui C <sub>20</sub> H <sub>18</sub> O <sub>2</sub> N	
		Papaverin C <sub>20</sub> H <sub>21</sub> O <sub>4</sub> N	

Parasalicyl  $C_{14}H_{16}O_6$   
 Parasantonid  $C_{15}H_{20}O_5$   
 Parasantsäure  $C_{15}H_{20}O_5$   
 Parasitosterin  $C_{27}H_{44}O$   
 Parasorbinsäure  $C_9H_8O_2$   
 Paratropin  $C_9H_{12}ON$   
 Paraxanthin  $C_7H_8O_2N_4$   
 Parazuckersäure  $C_{10}H_{10}O_6$   
 Parellinsäure  $C_{15}H_{16}O_4$   
 Parellsäure  $C_9H_8O_4$   
 —  $C_{10}H_{12}O_6$   
 —  $C_9H_8O_5$   
 Paricin  $C_{18}H_{18}ON_2$   
 Paridin  $C_{18}H_{20}O_7$   
 Paridol  $C_{20}H_{20}O_9$   
 Parigenin  $C_{18}H_{42}O_4$   
 Pariglin  $C_{18}H_{30}O_6$   
 Parillin  $C_8H_8O_6$   
 Paristyphnii  $C_{18}H_{44}O_10$   
 Parmelin  $C_{18}H_{18}O_6$   
 Parpevolin  $C_9H_{18}N$   
 Parvolin  $C_9H_3N$   
 Patellarsäure  $C_{17}H_{20}O_{10}$   
 Patentblau  $C_{17}H_{17}O_7N_3S_2$   
 Patschoulen  $C_{15}H_{24}$   
 Patschoulicampher  $C_{15}H_{16}O$   
 Paucin  $C_{27}H_{39}O_5N_5$   
 Paytamin  $C_{21}H_{14}ON_3$   
 Paytin  $C_{21}H_{24}ON_2$   
 Pektin  $C_9H_{11}O_6$   
 —  $C_{26}H_{42}O_{14}$   
 —  $C_{22}H_{42}O_{17}$   
 Pektinsäure  $C_{14}H_{26}O_{13}$   
 —  $C_{16}H_{22}O_{15}$   
 Pektolaktin  $C_9H_8O_3$   
 Pektosinsäure  $C_{22}H_{46}O_{31}$   
 Pelagin  $C_{20}H_{17}O_7N$   
 Pelargonsäure  $C_9H_{19}O_2$   
 Pelletierin  $C_8H_{18}ON$   
 Pellitorin  $C_8H_{18}O_4N$   
 Pellotin  $C_{14}H_{19}O_2N$   
 Pelleutin  $C_8H_{18}O_4N$   
 Pełosin  $C_{18}H_{11}O_2N$   
 Pentaerythrit  $C_8H_{12}O_4$   
 Pentaglykol  $C_8H_{12}O_3$   
 Pentahirolin  $C_{13}H_{13}N$   
 Pentakosan  $C_{35}H_{52}$   
 Pentatriakontan  $C_{39}H_{72}$   
 Pentinsäure  $C_6H_8O_6$   
 Pepton  $C_{27}H_{11}O_2N_1S$   
 Pereirin  $C_{18}H_{34}O_2N$   
 Perezinon  $C_{18}H_{18}O_3$   
 Perezon  $C_{15}H_{19}O_3$   
 Periphloecin  $C_{20}H_{46}O_{17}$   
 Periplogenin  $C_{18}H_{34}O_5$   
 Perlatin  $C_{21}H_{19}O_7$   
 Pernitrosocamphenon  
 $C_{18}H_{14}O_4N_2$   
 Perseit  $C_7H_6O_3$   
 Persulfocanglykolsäure  
 $C_4H_6O_4N_2S_2$   
 Persulfocysäure  $C_7H_2N_2S_2$   
 Pertusaren  $C_{26}H_{100}$   
 Pertusarin  $C_{26}H_{60}O_2$

Pertusarsäure  $C_{24}H_{38}O_6$   
 Peruresinotannol  $C_{18}H_{20}O_6$   
 Petinin  $C_{14}H_{11}N$   
 Petrocinc  $C_{17}H_8$   
 Petrolen  $C_{16}H_{22}$   
 Petroleumssäure  $C_{11}H_{20}O_7$   
 Peucedanin  $C_{16}H_{16}O_4$   
 —  $C_{15}H_{14}O_4$   
 Pharbitose  $C_{15}H_{22}O_11$   
 Phasfomannit  $C_6H_{12}O_6$   
 Phasol  $C_{15}H_{24}O$   
 Phellandren  $C_{19}H_{14}$   
 Phellonsäure  $C_{22}H_{32}O_3$   
 Phellyalkohol  $C_{17}H_{28}O$   
 Phenacetin  $C_{10}H_{12}O_2$   
 Phenacetin  $C_{10}H_{12}O_2N$   
 Phenanthrapiazin  $C_{12}H_{10}N_2$   
 Phenanthren  $C_{14}H_{10}$   
 Phenanthrenchinon  $C_{14}H_6O_2$   
 Phenanthridin  $C_{13}H_9N$   
 Phenanthridon  $C_{18}H_{12}ON$   
 Phenanthrobin  $C_{13}H_7N_2$   
 Phenanthron  $C_{14}H_{12}O_10$   
 Phenanthrophenazin  
 $C_{22}H_{12}N_3$   
 Phenazin  $C_{12}H_{12}N_2$   
 Phenazon  $C_{12}H_{12}N_2$   
 Phenazoxin  $C_{12}H_9ON$   
 Phenetol  $C_8H_8O$   
 Phenimiazin  $C_8H_6N_2$   
 Phenimorpholin  $C_8H_6ON$   
 Phenochinon  $C_{18}H_{16}O_4$   
 Phenochinoxanthon  
 $C_{18}H_9O_2N$   
 Phenocyanin  $C_8H_8ON$   
 Phenogluclin  $C_8H_8O_5$   
 Phenooxazin  $C_8H_6N_2$   
 Phenol  $C_6H_6O$   
 Phenolblau  $C_8H_8ON$   
 —  $C_{14}H_{14}ON_2$   
 Phenoleorallin  $C_8H_6O_4$   
 Phenoldichroin  $C_{14}H_{15}O_4N$   
 Phenolglykosid  $C_{17}H_{18}O_6$   
 Phenolhemiacopher  
 $C_{22}H_{26}O_3$   
 Phenolisatin  $C_{20}H_{12}O_2N$   
 Phenolphalein  $C_{20}H_{14}O_4$   
 —  $C_{24}H_{16}O_4$   
 Phenolphthalidein  $C_{20}H_{14}O_4$   
 Phenolphthalol  $C_{20}H_{18}O_5$   
 Phenonaphthakridin  $C_{17}H_{11}N$   
 Phenosanfranin  $C_{18}H_8ON_4$   
 Phenose  $C_8H_{11}O_6$   
 Phenothymochinon  $C_{27}H_{24}O_4$   
 Phenotolu-hinon  $C_{19}H_{16}O_4$   
 Phenotripyridin  $C_8H_6N_3$   
 Phenoxazin  $C_{12}H_9ON$   
 Phenuyinsäure  $C_{12}H_{10}O_3$   
 Phenylthioubiuret  $C_8H_9N_2S_2$   
 Phenyleharnstoff  $C_8H_6ON_2$   
 Phenylzindioxyweinsäure  
 $C_{10}H_9O_6N_2$   
 Phenytetrose  $C_{10}H_{12}O_4$   
 Phenylthronsäure  $C_{13}H_{10}O_6$

Phillyrin  $C_{37}H_{54}O_11$   
 Phlein  $C_6H_{10}O_5$   
 Phlobaphen  $C_{28}H_{38}O_{12}$   
 Phloramin  $C_6H_7O_2N$   
 Phlorein  $C_{19}H_{11}O_7N$   
 Phoretin  $C_{15}H_{11}O_5$   
 Phoretinsäure  $C_9H_{10}O_5$   
 Phloridzin  $C_{21}H_{20}O_13N_7$   
 Phloridzin  $C_7H_2O_3$   
 Phlorobromin  $C_5O_2Br_8$   
 Phloroglucan  $C_6H_4O_2$   
 Phloroglucid  $C_{12}H_{10}O_5$   
 Phloroglucin  $C_6H_6O_3$   
 Phloroglucinecarbonsäure  
 $C_6H_6O_5$   
 Phloroglucinphthalin  $C_{26}H_{14}O_7$   
 Phloroglucinvaillain  
 $C_{26}H_{18}O_8$   
 Phloroglucit  $C_8H_{11}O_3$   
 Phlorol  $C_8H_{10}O$   
 Phloron  $C_{18}H_8O_2$   
 Phlorose  $C_8H_{12}O_6$   
 Phlorotanniroth  $C_{11}H_9O_6$   
 Phoron  $C_9H_{14}O$   
 Phorondiessigsäure  $C_{11}H_{22}O_5$   
 Phoropyrrolin  $C_{12}H_{16}N$   
 Phoronsäure  $C_8H_6O_7$   
 —  $C_{11}H_{18}O_6$   
 Phosen  $C_4H_{10}$   
 Phosgen  $COCl_2$   
 Phosphazobenzolpiperidid  
 $C_{11}H_{13}N_3P$   
 Phosphinoanisol  $C_6H_5O_2P$   
 Phosphinobenzol  $C_6H_5O_2P$   
 Phosphobenzol  $C_{11}H_{10}P_2$   
 Phosphorbetafin  $C_8H_{11}O_2P$   
 Phosphorsellinsäure  
 $C_{46}H_{90}O_{24}P_4$   
 Photonethol  $C_{10}H_{12}O$   
 Photosantoid  $C_7H_8O_2$   
 Photosantonsture  $C_{15}H_{22}O_5$   
 Phrenosinhydrat  $C_{41}H_{51}O_2N$   
 Phtalacen  $C_{21}H_{14}$   
 Phtalacensäure  $C_{21}H_{12}O_7$   
 Phtalaldehydsäure  $C_6H_6O_4$   
 Phtalalkohol  $C_6H_{10}O_2$   
 Phtalazin  $C_7H_8N_2$   
 Phtalazon  $C_8H_6ON_2$   
 Phtalgräu  $C_{24}H_{24}O_2N_3$   
 —  $C_{39}H_{55}O_1N_3$   
 Phtalhydroxamsäure  
 $C_8H_6O_4N_2$   
 Phtald  $C_6H_6O_4$   
 Phtalimid  $C_6H_6O_2N$   
 Phtalimidin  $C_6H_6ON$   
 Phtalousfure  $C_9H_6O_5$   
 Phtalophenon  $C_{20}H_{14}O_2$   
 Phtalsäure  $C_6H_6O_4$   
 Phtalureid  $C_6H_6O_3N_2$   
 Phtalursäure  $C_6H_6O_4N_2$   
 Phtalylasparaginäsäure  
 $C_{12}H_9O_4N$   
 Phtalychlorid  $C_8H_4O_2Cl_2$   
 Phtalydiessigsäure  $C_{12}H_{16}O_6$

Phtalylhomotaurin	$C_{11}H_{11}O_5NS$	Pimpinellin $C_{14}H_{12}O_8$	Piperlylenptalamidsäure	$C_{13}H_{14}O_3N$
Phtalylipinakon	$C_{16}H_{18}O_4$	Pinakolino $C_{8}H_{14}O$	Pipitzahönsäure	$C_{15}H_{20}O_3$
Phycit $C_{10}H_{10}O_4$		Pinakolinalkohol $C_8H_{14}O$	Pirylen	$C_8H_6$
Phylläscitanin	$C_{26}H_{34}O_{12}$	Pinakonan $C_{26}H_{52}$	Piscidin	$C_{29}H_{24}O_6$
Phylligeuin	$C_{21}H_{34}O_6$	Pinakonen $C_{29}H_{50}$	Piturin	$C_6H_8N$
Phyllinsäure	$C_{26}H_{64}O_6$	Pinarin $C_{10}H_{14}O_3$	Pleuricin	$C_5H_6O_2N_2$
Phyllocyaninsäure	$C_{14}H_{28}O_2N_2$	Pinastrinsäure $C_{10}H_{14}O_6$	Plumeriansäure	$C_{10}H_{10}O_5$
		Pinen $C_{10}H_{14}O_3$	Podocarpinsäure	$C_{17}H_{22}O_2$
Phylloporphyrin	$C_{37}H_{54}O_2N_4$	Pinenglykol $C_{10}H_{14}O_2$	Podophylloqueretin	$C_{23}H_{16}O_{10}$
Phyllotannin	$C_{49}H_{46}O_6N_6$	Pinipikrin $C_{22}H_{36}O_{11}$	Podophyllotoxin	$C_{18}H_{14}O_8$
Physalio	$C_{14}H_{12}O_6$	Pinit $C_6H_{12}O_6$	—	$C_{22}H_{24}O_6$
Physcianin	$C_{10}H_{12}O_4$	—	Podophyllsäure	$C_{19}H_{16}O_7$
Physcianinsäure	$C_{16}H_{20}O_5$	Pinitweissäure $C_{20}H_{36}O_{35}$	—	$C_{20}H_{24}O_9$
Physcibydrin	$C_{16}H_{14}O_4$	Pinnaglobin	Polychloral	$C_4HOCl_3$
Physciol	$C_8H_8O_3$	$C_{724}H_{965}O_{210}N_{120}S_{Mn}$	Polychoroit	$C_{26}H_{60}O_{18}$
	$C_9H_{10}O_3$	Pinnatansäure $C_7H_8O_4$	Polygonin	$C_{21}H_{20}O_{10}$
Physcion	$C_{16}H_{12}O_5$	Pinocamphol $C_{16}H_{18}O$	Polymethakrylsäure	
Physconsäure	$C_{14}H_{12}O_6$	Pinocamphon $C_{19}H_{16}O$		
Physetolsäure	$C_{16}H_{30}O_2$	Pinocarveol $C_{10}H_{16}O$		
Physodien	$C_{10}H_6O_6$	Pinocarvon $C_{10}H_{14}O$		
Physodin	$C_{16}H_{10}O_7$	Pinol $C_{16}H_{16}O$		
Physoldssäure	$C_{20}H_{22}O_6$	Pinolglykol $C_{10}H_{15}O_4$		
Physol	$C_{20}H_{24}O_6$	Pinolhydrat $C_{10}H_{14}O_7$		
Physostigmin	$C_{16}H_{21}O_2N_3$	Pinononsäure $C_8H_{11}O_3$		
Phytolaccatoxin	$C_{24}H_{30}O_8$	Pinonursäure $C_8H_9O_3$		
Phytosterin	$C_9H_{11}O$	Pinophansäure $C_{10}H_{16}O_4$		
Piaeselenol	$C_8H_8N_2Se$	Pinoresinol $C_{19}H_{30}O_6$		
Piazthiol	$C_9H_8N_2S$	Pinoresinotanol $C_{22}H_{36}O_6$		
Picein	$C_11H_{18}O_7$	Pinoylameisensäure $C_{10}H_{14}O_5$		
Picen	$C_{22}H_{14}$	Pinsäure $C_6H_{14}O_4$		
Picenchinon	$C_{22}H_{12}O_2$	Pinyamin $C_{10}H_{12}N$		
Piceneicosähydruß	$C_{22}H_{34}$	Pipekolin $C_8H_{12}N$		
Picensäure	$C_{21}H_{14}O_2$	Pipekolinsäure $C_6H_{11}O_2N$		
Piceol	$C_8H_8O_3$	Pipekolyfurylalkalin		
Pikolin	$C_8H_7N$	$C_{11}H_{17}O_3N$		
Pikolinsäure	$C_6H_8O_3N$	Piperazin $C_4H_{10}N_2$		
Pikramid	$C_6H_9O_6N_4$	Piperhydrolakton $C_{12}H_{19}O_4$		
Pikratiorum	$C_6H_8O_3N_3$	Piperhydronsäure $C_{15}H_{14}O_4$		
Pikroacouitin	$C_{11}H_{10}O_3N$	Piperidin $C_5H_{11}N$		
Pikrocrocin	$C_{28}H_{66}O_{17}$	Piperidinsäure $C_4H_9O_2N$		
Pikrocyaminsäure	$C_9H_9O_6N_5$	Piperidocetal $C_{11}H_{23}O_2N$		
Pikroerythrin	$C_{12}H_{16}O_7$	Piperiderosigsäure $C_7H_{15}O_4N$		
	$C_{13}H_{16}O_6$	Piperidon $C_5H_9ON$		
Pikrolichenin	$C_{12}H_{16}O_6$	Piperidylalkaloid $C_{12}H_{19}O_5N_5$		
Pikropodophyllin	$C_{13}H_{11}O_6$	Piperin $C_{12}H_{10}O_3N$		
	$C_{22}H_{31}O_9$	Piperinsäure $C_{12}H_{16}O_4$		
Pikropseudoaconitin	$C_{44}H_{47}O_{11}N$	Piperketonsäure $C_{12}H_{11}O_5$		
Pikrocelerin	$C_{27}H_{39}O_8N_3$	Piperonal $C_6H_8O_2$		
Pikrotin	$C_{15}H_{18}O_7$	Piperonalchlorid $C_5H_6O_2Cl_2$		
Pikrotoxid	$C_{15}H_{16}O_6$	Piperonaldehydroycyanid		
	$C_{15}H_{15}O_6$	$C_6H_7O_3N$		
Pikrotoxin	$C_{15}H_{16}O_6$	Piperonalpalaconol $C_{17}H_{14}O_5$		
Pikrotoxinin	$C_{15}H_{18}O_5$	Piperonalanilid $C_{14}H_{11}O_2N$		
Pikrotoxininsäure	$C_{15}H_{18}O_7$	Piperonylakrylsäure $C_{10}H_8O_4$		
Pikrotoxinsäure	$C_{15}H_{18}O_4$	Piperonylalkohol $C_8H_9O_3$		
Pikrylvauillin	$C_{14}H_9O_9N_3$	Piperonylenbenztraubensäure $C_{11}H_{10}O_5$		
Pikrylvauillinsäure	$C_{14}H_9O_{10}N_3$	Piperonylenmalonalsäure $C_{13}H_{10}O_6$		
Pilijamin	$C_6H_8O_4ON_2$	Piperonyloin $C_{10}H_{11}O_6$		
Pilocarpen	$C_8H_{18}$	Piperonylsäure $C_8H_9O_3$		
Pilocarpidin	$C_{10}H_{14}O_2N_2$	Piperovatin $C_{16}H_{21}O_2N_2$		
Pilocarpin	$C_{11}H_{18}O_2N_2$	Piperyleen $C_8H_6$		
Pimeliussäure	$C_7H_{12}O_4$			

**Protocurarin**  $C_{15}H_{22}O_4N$   
**Protocuridin**  $C_{15}H_{21}O_4N$   
**Protocurin**  $C_{20}H_{23}O_5N$   
**Protobibrinose**  
 $C_{10}H_{16}O_2N_2S$   
**Protokatechusäure**  $C_7H_8O_4$   
**Protophydrydron**  $C_{15}H_{12}O_4$   
**Protophyscion**  $C_{15}H_{10}O_5$   
**Protopin**  $C_{20}H_{17}O_5N$   
**Protoberardin**  $C_{26}H_{45}O_4N$   
**Protoveratriu**  $C_{22}H_{31}O_4N$   
**Pseudoaconit**  $C_{25}H_{39}O_4N$   
**Pseudoaconitin**  $C_{26}H_{40}O_4N_2$   
**Pseudoeoneitsäure**  $C_8H_8O_6$   
**Pseudotropin**  $C_{17}H_{20}O_5N$   
**Pseudobaptigenin**  $C_{15}H_{10}O_5$   
**Pseudobaptinsäure**  $C_{17}H_{18}O_4$   
**Pseudobrenzterbinsäure**  
 $C_6H_{10}O_3$   
**Pseudobutylen**  $C_4H_8$   
**Pseudocainphersäure**  
 $C_{10}H_{18}O_4$   
**Pseudocompholaktonsäure**  
 $C_6H_{10}O_3$   
**Pseudocholoëdansäure**  
 $C_{16}H_{24}O_7$   
 $C_8H_{10}O_6$   
**Pseudocinchonin**  $C_{19}H_{20}O_7N_2$   
**Pseudodecin**  $C_{18}H_{31}O_9N$   
**Pseudohydrin**  $C_{17}H_{17}ON$   
**Pseudocabubin**  $C_{20}H_{20}O_6$   
**Pseudocumarin**  $C_9H_{14}O_4$   
**Pseudocomenol**  $C_9H_{12}O$   
**Pseudocomundin**  $C_9H_{12}N$   
**Pseudocomol**  $C_9H_{12}$   
**Pseudodicotoin**  $C_{25}H_{36}O_7$   
**Pseudophlein**  $C_{10}H_{15}ON$   
**Pseudoflavulin**  $C_{14}H_{14}N_2$   
**Pseudoflavenol**  $C_9H_{11}ON$   
**Pseudoflavolin**  $C_{16}H_{13}N$   
**Pseudofruktose**  $C_6H_{11}O_6$   
**Pseudoharntsäure**  $C_6H_6O_4N_4$   
**Pseudohomotropin**  
 $C_{16}H_{21}O_3N$   
**Pseudohomonarcein**  
 $C_5H_{10}O_6N$   
**Pseudoinulin**  $C_{20}H_{18}O_6$   
**Pseudojervin**  $C_{22}H_{45}O_7N$   
**Pseudojonon**  $C_{19}H_{20}O$   
**Pseudolukanilin**  $C_{19}H_{19}N_2$   
**Pseudolutidostyrlcarbonsäure**  
 $C_6H_6O_4N_4$   
**Pseudomauvein**  $C_{24}H_{18}N_4$   
**Pseudomekonin**  $C_{10}H_{10}O_4$   
**Pseudomekoninsäure**  
 $C_{10}H_{10}O_5$   
**Pseudomorphin**  $C_{24}H_{36}O_6N_2$   
**Pseudonarcein**  $C_{22}H_{37}O_6N_2$   
**Pseudonichin**  $C_{20}H_{21}O_9N_2$   
**Pseudoopiansäure**  $C_{10}H_{10}O_5$   
**Pseudopelletierin**  $C_9H_{10}ON$   
**Pseudophenanthren**  $C_{16}H_{12}$   
**Pseudophenanthrolin**  $C_{15}H_{14}O_4$   
**Pseudophthalimidin**  $C_9H_7ON$

**Pseudorcinolsäure**  $C_{18}H_{18}O_8$   
**Pseudosaccharinchlorid**  
 $C_6H_4O_2NCIS$   
**Pseudostyrylyhdantoin**  
 $C_{11}H_{10}O_2N_2$   
**Pseudotagatose**  $C_6H_{11}O_8$   
**Pseudotheobromin**  $C_7H_8O_2N_4$   
**Pseudotriacetonalkamin**  
 $C_6H_{10}ON$   
**Pseudotriacetonin**  $C_9H_{14}N$   
**Pseudotropigenin**  $C_7H_{12}ON$   
**Pseudotropin**  $C_8H_{11}O_2N$   
 $C_9H_{15}ON$   
**Pseudotryptamín**  $C_8H_{11}N_2$   
**Pseudoxanthin**  $C_6H_8ON_2$   
 $C_5H_4O_2N_4$   
**Pseomäure**  $C_{25}H_{45}O_9$   
**Psychosin**  $C_{22}H_{45}O_9N$   
**Psyllostearylalkohol**  $C_{22}H_{46}O_2$   
**Pterocarpin**  $C_{20}H_{16}O_8$   
**Pulegenidin**  $C_{19}H_{14}O_6$   
**Pulegenus**  $C_{16}H_{12}O_2$   
**Pulegol**  $C_{10}H_{16}O$   
**Pulegon**  $C_{10}H_{16}O$   
**Pulegoumarin**  $C_{10}H_{19}N$   
 $C_{10}H_{12}ON$   
**Pulvinaminsäure**  $C_{15}H_{12}O_4N$   
**Pulvinon**  $C_{15}H_{12}O_3$   
**Pulviniperolinsäure**  
 $C_{22}H_{21}O_4N$   
**Pulvinsäure**  $C_{19}H_{17}O_6$   
**Pupin**  $C_8H_{12}O_5N_2$   
**Parginäsäure**  $C_{25}H_{46}O_{12}$   
**Purin**  $C_6H_6N_4$   
**Purpurin**  $C_4H_6O_6$   
**Purpurinamid**  $C_4H_9O_4N$   
**Purpurogallin**  $C_{16}H_{14}O_9$   
 $C_{26}H_{16}O_9$   
**Purpxanthin**  $C_{14}H_8O_4$   
**Purpursäure**  $C_6H_6O_6N_2$   
**Putrescin**  $C_8H_{10}N_2$   
**Pyogenin**  $C_{10}H_{18}O_9N_2$   
**Pyosin**  $C_{27}H_{31}O_9N_2$   
**Pyrantin**  $C_{15}H_{13}O_9N$   
**Pyrazin**  $C_4H_4N_2$   
**Pyrazol**  $C_4H_4N_2$   
**Pyrazolblau**  $C_{20}H_{18}O_2N_4$   
**Pyrazolin**  $C_5H_8N_2$   
**Pyren**  $C_8H_{11}O$   
**Pyrenolin**  $C_{19}H_{11}N$   
**Pyrenösäure**  $C_{15}H_8O_5$   
**Pyridanthriläure**  $C_{15}H_{10}O_7N_2$   
**Pyridazin**  $C_5H_4N_2$   
**Pyridin**  $C_5H_5N$   
**Pyridinbetafin**  $C_7H_7O_2N$   
**Pyridinphthalid**  $C_7H_5O_2N$   
**Pyridinursäure**  $C_6H_8O_3N_2$   
**Pyridochnin**  $C_7H_5O_2N$   
**Pyroaconin**  $C_4H_{12}O_9N$   
**Pyrocouinin**  $C_{21}H_{41}O_{10}N$   
**Pyroamarsäure**  $C_{15}H_{16}O_2$   
**Pyrocasphefnsäure**  $C_9H_{11}O_4$   
**Pyrocholesterinsäure**  
 $C_{11}H_{16}O_5$

**Pyrocinchonsäure**  $C_8H_6O_9$   
 $C_8H_6O_4$   
**Pyrodextrin**  $C_{48}H_{74}O_{37}$   
**Pyrogallaurin**  $C_{19}H_{14}O_9$   
**Pyrogallefin**  $C_{18}H_{10}O_9N_2$   
**Pyrogallochinon**  $C_{18}H_{14}O_9$   
**Pyrogallool**  $C_6H_6O_5$   
**Pyrogallolbenezin**  $C_{24}H_{24}O_{11}$   
**Pyrogallolcarbonsäure**  
 $C_7H_6O_5$   
**Pyrogallolvaniellein**  $C_{29}H_{18}O_5$   
**Pyroglutaminsäure**  $C_6H_7O_2N$   
**Pyroglycerin**  $C_9H_{14}O_5$   
**Pyroglycid**  $C_8H_{12}O_4$   
**Pyrographitoxid**  $C_{44}H_6O_5$   
**Pyroguajacin**  $C_{18}H_{14}O_2$   
 $C_{19}H_{21}O_2$   
**Pyroinulin**  $C_8H_{10}O_5$   
**Pyroisomalsäure**  $C_6H_6O_2$   
**Pyrokoll**  $C_{10}H_6O_2N_2$   
**Pyrokollodion**  $C_{30}H_{24}O_4N_{12}$   
**Pyrokoman**  $C_6H_6O_2$   
**Pyrokomenaminsäure**  
 $C_5H_6O_2N$   
**Pyrokressol**  $C_{15}H_{14}O$   
**Pyrolävulinsäure**  $C_6H_6O_5$   
**Pyrolithofellinsäure**  $C_{20}H_{24}O_2$   
**Pyromekazon**  $C_5H_6O_2N$   
**Pyromekazonhydrat**  
 $C_5H_5O_4N$   
**Pyromekazonsäure**  $C_6H_6O_5N$   
**Pyromekomsäure**  $C_6H_6O_2$   
**Pyromellithäure**  $C_{10}H_6O_6$   
**Pyromucinornithursäure**  
 $C_{15}H_{14}O_2N_2$   
**Pyron**  $C_6H_6O_2$   
**Pyronin**  $C_{17}H_{21}O_2N_2Cl$   
**Pyropapaverinsäure**  
 $C_{12}H_{12}O_2N$   
**Pyrophotosantonsäure**  
 $C_{14}H_{20}O_2$   
**Pyroptalol**  $C_{14}H_9O_5N$   
**Pyroschleinsäure**  $C_6H_6O_5$   
**Pyrotitarsäure**  $C_7H_6O_2$   
**Pyrounetinsäure**  $C_{14}H_{14}O_6$   
**Pyruonisäure**  $C_{12}H_{11}O_5$   
**Pyruanthio**  $C_{11}H_{12}O_5$   
**Pyridiazol**  $C_9H_5N_2$   
**Pyrrol**  $C_4H_4N$   
**Pyrollalloxan**  $C_8H_6O_2N_2$   
**Pyrrolenphthalid**  $C_{12}H_7O_2N$   
**Pyrrolidiin**  $C_4H_6N$   
**Pyrrolin**  $C_4H_6N$   
**Pyrrolroth**  $C_{11}H_{11}O_2N_2$   
**Pyrolylen**  $C_4H_6$   
**Pyron**  $C_6H_6O_2N_2$   
**Pyrlymesoxylamid**  
 $C_7H_8O_3N_2$   
**Pyruvin**  $C_8H_10O_4$   
**Pyruvinureid**  $C_12H_10O_2N_2$   
**Pyyuril**  $C_5H_8O_2N_4$   
**Quabaïnsäure**  $C_{20}H_{44}O_{12}$   
**Quassiasäure**  $C_{20}H_{28}O_4N_2$

Quassid	C <sub>22</sub> H <sub>40</sub> O <sub>9</sub>	Retenchinon	C <sub>19</sub> H <sub>16</sub> O <sub>2</sub>	Roseol	C <sub>10</sub> H <sub>18</sub> O
Quassii	C <sub>22</sub> H <sub>42</sub> O <sub>10</sub>	Retendiphenäsäure	C <sub>18</sub> H <sub>14</sub> O <sub>4</sub>	Rosindon	C <sub>22</sub> H <sub>14</sub> ON <sub>2</sub>
Quassol	C <sub>20</sub> H <sub>38</sub> O	Retenfluoren	C <sub>17</sub> H <sub>16</sub> O <sub>2</sub>	Rosindonsäure	C <sub>22</sub> H <sub>14</sub> O <sub>2</sub> N <sub>2</sub>
Quebrachin	C <sub>21</sub> H <sub>30</sub> O <sub>5</sub> N <sub>2</sub>	Retensäure	C <sub>18</sub> H <sub>16</sub> O <sub>2</sub>	Rosindulin	C <sub>22</sub> H <sub>15</sub> N <sub>3</sub>
Quebrachit	C <sub>7</sub> H <sub>14</sub> O <sub>6</sub>	Retinindol	C <sub>9</sub> H <sub>10</sub> ON	Rosindulon	C <sub>22</sub> H <sub>14</sub> ON <sub>2</sub>
Quebrachogerbsäure		Reuniol	C <sub>19</sub> H <sub>20</sub> O	Rosol	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>
	C <sub>26</sub> H <sub>34</sub> O <sub>10</sub>	Rhamnazin	C <sub>7</sub> H <sub>14</sub> O <sub>7</sub>	Rosolsäure	C <sub>10</sub> H <sub>12</sub> O <sub>9</sub>
Querbrachol	C <sub>20</sub> H <sub>34</sub> O	Rhamnegin	C <sub>14</sub> H <sub>20</sub> O <sub>9</sub>	Rothsäure	C <sub>14</sub> H <sub>12</sub> O <sub>7</sub>
Quercetagetin	C <sub>21</sub> H <sub>22</sub> O <sub>13</sub>	Rhamnetin	C <sub>16</sub> H <sub>12</sub> O <sub>7</sub>	Rottlerin	C <sub>18</sub> H <sub>20</sub> O <sub>9</sub>
Quercetin	C <sub>15</sub> H <sub>10</sub> O <sub>7</sub>	Rhamnit	C <sub>8</sub> H <sub>11</sub> O <sub>4</sub>	Rottleron	C <sub>20</sub> H <sub>16</sub> O <sub>6</sub>
Quercetinsäure	C <sub>15</sub> H <sub>10</sub> O <sub>7</sub>	Rhamnoheptone	C <sub>8</sub> H <sub>16</sub> O <sub>6</sub>	Rubamidid	C <sub>9</sub> H <sub>9</sub> ON <sub>3</sub>
Quercimerinsäure	C <sub>8</sub> H <sub>6</sub> O <sub>5</sub>	Rhamnohexit	C <sub>9</sub> H <sub>10</sub> O <sub>6</sub>	Rubazonsäure	C <sub>20</sub> H <sub>17</sub> O <sub>2</sub> N <sub>5</sub>
Quercin	C <sub>11</sub> H <sub>12</sub> O <sub>5</sub>	Rhamnohexosäure	C <sub>7</sub> H <sub>14</sub> O <sub>7</sub>		C <sub>20</sub> H <sub>17</sub> O <sub>2</sub> N <sub>5</sub>
	C <sub>15</sub> H <sub>10</sub> O <sub>5</sub>	Rhamnohexose	C <sub>11</sub> H <sub>14</sub> O <sub>6</sub>	Rubbardin	C <sub>14</sub> H <sub>9</sub> OS <sub>4</sub>
Quercinsäure	C <sub>15</sub> H <sub>12</sub> O <sub>9</sub>	Rhammonsäure	C <sub>11</sub> H <sub>12</sub> O <sub>5</sub>	Rubeanwassersstoff	C <sub>2</sub> H <sub>4</sub> N <sub>2</sub> S <sub>2</sub>
Quercit	C <sub>9</sub> H <sub>12</sub> O <sub>6</sub>	Rhamnooktonäure	C <sub>18</sub> H <sub>18</sub> O <sub>9</sub>	Ruberrythrinäure	C <sub>16</sub> H <sub>22</sub> O <sub>11</sub>
Quercitan	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>	Rhamnosaccharin	C <sub>9</sub> H <sub>10</sub> O <sub>5</sub>	Rubiadolin	C <sub>13</sub> H <sub>10</sub> O <sub>4</sub>
Quercitrin	C <sub>21</sub> H <sub>32</sub> O <sub>12</sub>	Rhamnosamin	C <sub>9</sub> H <sub>12</sub> O <sub>4</sub> N	Rubiadinglykosid	C <sub>21</sub> H <sub>20</sub> O <sub>9</sub>
Querlakton	C <sub>8</sub> H <sub>6</sub> O <sub>3</sub>	Rhamnose	C <sub>9</sub> H <sub>12</sub> O <sub>5</sub>	Rubidin	C <sub>11</sub> H <sub>11</sub> N
Quittenschleim	C <sub>18</sub> H <sub>24</sub> O <sub>11</sub>	Rhein	C <sub>18</sub> H <sub>10</sub> O <sub>6</sub>	Rubifusin	C <sub>24</sub> H <sub>26</sub> N <sub>4</sub>
		Rheumgerbsäure	C <sub>26</sub> H <sub>26</sub> O <sub>14</sub>	Rubijervin	C <sub>28</sub> H <sub>42</sub> O <sub>2</sub> N
Raffinose	C <sub>9</sub> H <sub>10</sub> O <sub>6</sub>	Rheumkäure	C <sub>29</sub> H <sub>12</sub> O <sub>5</sub>	Rubrophlobaphen	C <sub>25</sub> H <sub>64</sub> O <sub>17</sub>
	C <sub>18</sub> H <sub>22</sub> O <sub>10</sub>	Rhinacanthin	C <sub>14</sub> H <sub>12</sub> O <sub>4</sub>	Ruficarmin	C <sub>15</sub> H <sub>12</sub> O <sub>5</sub>
Ramalsäure	C <sub>17</sub> H <sub>16</sub> O <sub>7</sub>	Rhinanthin	C <sub>25</sub> H <sub>22</sub> O <sub>10</sub>	Ruficoccin	C <sub>14</sub> H <sub>10</sub> O <sub>5</sub>
Randiaroth	C <sub>9</sub> H <sub>10</sub> O <sub>5</sub>	Rhizocarpinsäure	C <sub>29</sub> H <sub>20</sub> O <sub>9</sub>	Rufigallussäure	C <sub>14</sub> H <sub>10</sub> O <sub>6</sub>
Randiasäure	C <sub>9</sub> H <sub>12</sub> O <sub>10</sub>	Rhizocarpinsäure	C <sub>29</sub> H <sub>20</sub> O <sub>9</sub>	Rufimorinasäure	C <sub>16</sub> H <sub>14</sub> O <sub>5</sub>
Rangiformsäure	C <sub>11</sub> H <sub>14</sub> O <sub>5</sub>	Rhizoninsäure	C <sub>19</sub> H <sub>12</sub> O <sub>4</sub>	Rufin	C <sub>21</sub> H <sub>20</sub> O <sub>9</sub>
	C <sub>21</sub> H <sub>26</sub> O <sub>6</sub>	Rhizosäure	C <sub>19</sub> H <sub>12</sub> O <sub>7</sub>	Rufopin	C <sub>14</sub> H <sub>8</sub> O <sub>6</sub>
Raphanol	C <sub>19</sub> H <sub>20</sub> O <sub>4</sub>	Rhizopogonsäure	C <sub>14</sub> H <sub>12</sub> O <sub>5</sub>	Rufohydroelastinsäure	C <sub>14</sub> H <sub>10</sub> O <sub>5</sub>
Rapinsäure	C <sub>18</sub> H <sub>24</sub> O <sub>2</sub>	Rhodanathroth	C <sub>9</sub> H <sub>8</sub> O <sub>5</sub> N <sub>2</sub> S <sub>2</sub>	Rufol	C <sub>14</sub> H <sub>10</sub> O <sub>2</sub>
Ratanhiaroth	C <sub>9</sub> H <sub>11</sub> O <sub>6</sub>	Rhodaninsäure	C <sub>9</sub> H <sub>8</sub> O <sub>5</sub> ONS <sub>2</sub>	Runicin	C <sub>13</sub> H <sub>10</sub> O <sub>4</sub>
	C <sub>24</sub> H <sub>22</sub> O <sub>11</sub>	Rhodanuresäure	C <sub>9</sub> H <sub>8</sub> O <sub>5</sub> NS <sub>2</sub>	Rutin	C <sub>27</sub> H <sub>32</sub> O <sub>16</sub>
Ratanhiatannoform	C <sub>41</sub> H <sub>34</sub> O <sub>15</sub>	Rhodinal	C <sub>19</sub> H <sub>14</sub> O	Rutylon	C <sub>10</sub> H <sub>12</sub>
Ratanhain	C <sub>10</sub> H <sub>12</sub> O <sub>9</sub> N	Rhodinol	C <sub>19</sub> H <sub>16</sub> O	Rutyliden	C <sub>11</sub> H <sub>20</sub>
Rautendöglykose	C <sub>17</sub> H <sub>12</sub> O <sub>7</sub>	Rhodizonsäure	C <sub>9</sub> H <sub>2</sub> H <sub>0</sub> O <sub>6</sub>	Sabadin	C <sub>22</sub> H <sub>21</sub> O <sub>8</sub>
Reducin	C <sub>6</sub> H <sub>11</sub> O <sub>6</sub> N <sub>2</sub>	Rhodotanninsäure	C <sub>14</sub> H <sub>14</sub> O <sub>8</sub>	Sabinol	C <sub>10</sub> H <sub>12</sub> O
Regiansäure	C <sub>6</sub> H <sub>10</sub> O <sub>7</sub>	Rhodoxanthin	C <sub>14</sub> H <sub>14</sub> O <sub>6</sub>	Saccharin	C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>
Resacetelin	C <sub>19</sub> H <sub>12</sub> O <sub>4</sub>	Rhoeadin	C <sub>21</sub> H <sub>10</sub> O <sub>6</sub>		C <sub>11</sub> H <sub>8</sub> NS
Resacetophenon	C <sub>9</sub> H <sub>8</sub> O <sub>3</sub>	Rhoeagenin	C <sub>21</sub> H <sub>21</sub> O <sub>6</sub> N	Saceharon	C <sub>18</sub> H <sub>20</sub> O <sub>5</sub>
Resacetärsäure	C <sub>18</sub> H <sub>22</sub> O <sub>5</sub>	Rhoeoeterin	C <sub>25</sub> H <sub>22</sub> O <sub>16</sub>	Saccharonäsäure	C <sub>6</sub> H <sub>10</sub> O <sub>7</sub>
Resaurin	C <sub>18</sub> H <sub>14</sub> O <sub>5</sub>	Ribonsäure	C <sub>8</sub> H <sub>10</sub> O <sub>6</sub>	Saccharumsäure	C <sub>14</sub> H <sub>18</sub> O <sub>11</sub>
Resazin	C <sub>14</sub> H <sub>20</sub> N <sub>4</sub>	Ribose	C <sub>9</sub> H <sub>10</sub> O <sub>6</sub>	Sacculmin	C <sub>44</sub> H <sub>26</sub> O <sub>15</sub>
Resazoin	C <sub>19</sub> H <sub>20</sub> O <sub>4</sub> N	Ricidin	C <sub>14</sub> H <sub>9</sub> N <sub>3</sub>	Sacculminäure	C <sub>11</sub> H <sub>10</sub> O <sub>4</sub>
Resazurin	C <sub>12</sub> H <sub>12</sub> O <sub>4</sub> N	Ricinelaidinsäure	C <sub>18</sub> H <sub>14</sub> O <sub>3</sub>	Saffrol	C <sub>10</sub> H <sub>10</sub> O <sub>2</sub>
Resnotinanol	C <sub>18</sub> H <sub>20</sub> O <sub>4</sub>	Ricinin	C <sub>17</sub> H <sub>10</sub> O <sub>4</sub> N <sub>4</sub>	Sagaresinotannol	C <sub>24</sub> H <sub>26</sub> O <sub>5</sub>
Resodiacetophenon	C <sub>10</sub> H <sub>10</sub> O <sub>4</sub>	Ricininsäure	C <sub>15</sub> H <sub>12</sub> O <sub>4</sub> N <sub>4</sub>	Saihydranilid	C <sub>13</sub> H <sub>11</sub> ON
Resodicarbonäure	C <sub>8</sub> H <sub>6</sub> O <sub>6</sub>	Ricinolsäure	C <sub>13</sub> H <sub>11</sub> O <sub>3</sub>	Salicin	C <sub>13</sub> H <sub>11</sub> O <sub>7</sub>
Resorectif	C <sub>26</sub> H <sub>39</sub> O <sub>7</sub> N <sub>2</sub>	Ricinsäure	C <sub>18</sub> H <sub>11</sub> O <sub>3</sub>	Salicylaldoxim	C <sub>7</sub> H <sub>7</sub> O <sub>6</sub> N
Resorcin	C <sub>6</sub> H <sub>8</sub> O <sub>2</sub>	Ricinistearolsäure	C <sub>18</sub> H <sub>32</sub> O <sub>2</sub>	Salicylmilchsäure	C <sub>8</sub> H <sub>10</sub> O <sub>4</sub>
Resorcincinäther	C <sub>11</sub> H <sub>10</sub> O <sub>5</sub>	Ristinstearylolsäure	C <sub>15</sub> H <sub>31</sub> O <sub>4</sub>	Salicylorcinäther	C <sub>14</sub> H <sub>10</sub> O <sub>3</sub>
Resorcinbenzén	C <sub>8</sub> H <sub>10</sub> O <sub>9</sub>	Robinin	C <sub>25</sub> H <sub>20</sub> O <sub>16</sub>	Salicylsäure	C <sub>7</sub> H <sub>6</sub> O <sub>3</sub>
Resorcinchinon	C <sub>12</sub> H <sub>11</sub> O <sub>4</sub>	Roccellätsäure	C <sub>17</sub> H <sub>12</sub> O <sub>4</sub>	Salicylschweifelsäure	C <sub>7</sub> H <sub>6</sub> O <sub>5</sub> S
Resorcindiäctsäure	C <sub>10</sub> H <sub>11</sub> O <sub>6</sub>	Roellaminisäure	C <sub>17</sub> H <sub>22</sub> O <sub>11</sub> N	Saligenin	C <sub>9</sub> H <sub>8</sub> O <sub>2</sub>
Resoreciundophan	C <sub>9</sub> H <sub>11</sub> O <sub>6</sub> N <sub>4</sub>	Rohrzucker	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	Saligeninglykolsäure	C <sub>9</sub> H <sub>15</sub> O <sub>4</sub>
Resoreciunphthalin	C <sub>14</sub> H <sub>10</sub> O <sub>5</sub>	Rosaniliin	C <sub>19</sub> H <sub>11</sub> ON <sub>3</sub>	Saliretazin	C <sub>58</sub> H <sub>53</sub> O <sub>5</sub> N
Resorecinsaccharin	C <sub>12</sub> H <sub>10</sub> O <sub>5</sub> N <sub>2</sub>				
Reten	C <sub>18</sub> H <sub>18</sub>				

Saliretin	C <sub>18</sub> H <sub>14</sub> O <sub>2</sub>	Sebacin	C <sub>18</sub> H <sub>30</sub> O <sub>6</sub>	Socotrolatin	C <sub>18</sub> H <sub>14</sub> O <sub>7</sub>
—	C <sub>28</sub> H <sub>50</sub> O <sub>5</sub>	Sebacinsäure	C <sub>18</sub> H <sub>18</sub> O <sub>4</sub>	Solanicin	C <sub>52</sub> H <sub>88</sub> O <sub>18</sub> N
Salireton	C <sub>18</sub> H <sub>13</sub> O <sub>3</sub>	Sebaminsäure	C <sub>18</sub> H <sub>19</sub> O <sub>3</sub> N	Solanidin	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub> N
Salitannol	C <sub>18</sub> H <sub>10</sub> O <sub>7</sub>	Secalin	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub>	Solanin	C <sub>52</sub> H <sub>90</sub> O <sub>18</sub> N
Salmin	C <sub>18</sub> H <sub>9</sub> O <sub>3</sub> N <sub>3</sub>	—	C <sub>79</sub> H <sub>55</sub> O <sub>14</sub> N <sub>8</sub>	Solorinsäure	C <sub>18</sub> H <sub>14</sub> O <sub>5</sub>
—	C <sub>28</sub> H <sub>50</sub> O <sub>6</sub> N <sub>17</sub>	Secalintoxin	C <sub>18</sub> H <sub>14</sub> O <sub>2</sub> N <sub>8</sub>	Sorbin	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
Salmonucleinsäure	C <sub>40</sub> H <sub>54</sub> O <sub>27</sub> N <sub>14</sub> P <sub>4</sub>	Sedanolid	C <sub>18</sub> H <sub>18</sub> O <sub>2</sub>	Sorbinose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
Salof	C <sub>18</sub> H <sub>16</sub> O <sub>3</sub>	Sedanolisture	C <sub>18</sub> H <sub>18</sub> O <sub>3</sub>	Sorbiminsäure	C <sub>6</sub> H <sub>9</sub> O <sub>2</sub>
Salvol	C <sub>18</sub> H <sub>14</sub> O <sub>4</sub>	Sedanonsäure	C <sub>18</sub> H <sub>18</sub> O <sub>3</sub>	Sorbit	C <sub>6</sub> H <sub>14</sub> O <sub>6</sub>
Salylsäure	C <sub>18</sub> H <sub>14</sub> O <sub>5</sub>	Sekisanin	C <sub>44</sub> H <sub>36</sub> O <sub>8</sub> N <sub>2</sub>	Sorbosamin	C <sub>6</sub> H <sub>18</sub> O <sub>4</sub> N
—	C <sub>21</sub> H <sub>37</sub> O <sub>8</sub>	Selenaldin	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub> S <sub>2</sub>	Sorbose	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
Samandarin	C <sub>44</sub> H <sub>60</sub> O <sub>7</sub> N <sub>7</sub>	Selenanthret	C <sub>12</sub> H <sub>8</sub> S <sub>2</sub>	Sordidausure	C <sub>9</sub> H <sub>10</sub> O <sub>4</sub>
Sundarakolsäure	C <sub>45</sub> H <sub>60</sub> O <sub>7</sub>	Selenophthalid	C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>	Sordidin	C <sub>18</sub> H <sub>10</sub> O <sub>5</sub>
Santal	C <sub>9</sub> H <sub>9</sub> O <sub>3</sub>	Selenoxen	C <sub>6</sub> H <sub>8</sub> Se	—	C <sub>6</sub> H <sub>20</sub> O <sub>24</sub>
Santalal	C <sub>15</sub> H <sub>22</sub> O	Semicarbazid	CH <sub>5</sub> ON <sub>2</sub>	Spartein	C <sub>15</sub> H <sub>20</sub> N <sub>2</sub>
Santalin	C <sub>15</sub> H <sub>14</sub> O <sub>5</sub>	Semiglutin	C <sub>16</sub> H <sub>25</sub> O <sub>12</sub> N <sub>17</sub>	Spargulin	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub>
—	C <sub>17</sub> H <sub>16</sub> O <sub>6</sub>	Seminose	C <sub>12</sub> H <sub>12</sub> O <sub>6</sub>	Spermin	C <sub>8</sub> H <sub>16</sub> N
Santalol	C <sub>15</sub> H <sub>20</sub> O	Senecionin	C <sub>18</sub> H <sub>18</sub> O <sub>6</sub> N	—	C <sub>8</sub> H <sub>12</sub> N <sub>2</sub>
Santalsäure	C <sub>15</sub> H <sub>14</sub> O <sub>6</sub>	Senegin	C <sub>18</sub> H <sub>20</sub> O <sub>7</sub>	—	C <sub>10</sub> H <sub>20</sub> N <sub>2</sub>
Santinosäure	C <sub>15</sub> H <sub>14</sub> O <sub>2</sub>	Senfölesiggäure	C <sub>3</sub> H <sub>3</sub> O <sub>2</sub> NS	Sphingosin	C <sub>17</sub> H <sub>35</sub> O <sub>2</sub> N
Santogenin	C <sub>15</sub> H <sub>18</sub> O <sub>4</sub>	Senfölsulfosäure	C <sub>4</sub> H <sub>10</sub> O <sub>5</sub> NS <sub>2</sub>	Stachyose	C <sub>15</sub> H <sub>22</sub> O <sub>16</sub>
Santonid	C <sub>18</sub> H <sub>16</sub> O <sub>3</sub>	Septentrioualid	C <sub>31</sub> H <sub>48</sub> O <sub>8</sub> N <sub>2</sub>	Stachyryin	C <sub>15</sub> H <sub>18</sub> O <sub>2</sub> N
Santonigesäure	C <sub>15</sub> H <sub>20</sub> O <sub>3</sub>	Sericin	C <sub>18</sub> H <sub>20</sub> O <sub>6</sub> N <sub>4</sub>	Stärke	C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>
Santonin	C <sub>15</sub> H <sub>18</sub> O <sub>3</sub>	Sericinastur	C <sub>18</sub> H <sub>20</sub> O <sub>7</sub> N <sub>4</sub>	—	C <sub>16</sub> H <sub>20</sub> O <sub>16</sub>
Santoninäsäure	C <sub>15</sub> H <sub>20</sub> O <sub>4</sub>	Serin	C <sub>3</sub> H <sub>7</sub> N <sub>3</sub>	—	C <sub>24</sub> H <sub>40</sub> O <sub>2</sub>
Santon	C <sub>14</sub> H <sub>16</sub>	Serumalbumin		Stärkeschwefelsäure	
Santonon	C <sub>20</sub> H <sub>16</sub> O <sub>4</sub>			C <sub>6</sub> H <sub>14</sub> O <sub>10</sub> S	
Santononsäure	C <sub>30</sub> H <sub>30</sub> O <sub>6</sub>			Staphisagrin	C <sub>22</sub> H <sub>32</sub> O <sub>5</sub> N
Santonsäure	C <sub>15</sub> H <sub>20</sub> O <sub>4</sub>			Stearinsäure	C <sub>18</sub> H <sub>36</sub> O <sub>4</sub>
Sapogenin	C <sub>14</sub> H <sub>22</sub> O <sub>2</sub>			Stearocutinsäure	C <sub>28</sub> H <sub>48</sub> O <sub>4</sub>
Saponin	C <sub>32</sub> H <sub>52</sub> O <sub>17</sub>			Stearolsäure	C <sub>18</sub> H <sub>32</sub> O <sub>2</sub>
Saporubin	C <sub>72</sub> H <sub>112</sub> O <sub>40</sub>			Stearon	C <sub>35</sub> H <sub>70</sub> O
Sapotin	C <sub>9</sub> H <sub>10</sub> O <sub>20</sub>			Stearoxylsäure	C <sub>18</sub> H <sub>32</sub> O <sub>4</sub>
Sapotiretin	C <sub>10</sub> H <sub>12</sub> O <sub>10</sub>			Stercorin	C <sub>27</sub> H <sub>46</sub> O
Sappannin	C <sub>12</sub> H <sub>10</sub> O <sub>4</sub>			Stereocoaulsäure	C <sub>8</sub> H <sub>10</sub> O <sub>3</sub>
Sarbadinin	C <sub>27</sub> H <sub>45</sub> O <sub>9</sub> N			Stilbazol	C <sub>15</sub> H <sub>11</sub> N
Sardinin	C <sub>11</sub> H <sub>10</sub> O <sub>3</sub> N			Stilbazolin	C <sub>15</sub> H <sub>16</sub> N
Sarkin	C <sub>8</sub> H <sub>10</sub> O <sub>4</sub> N			Stilben	C <sub>6</sub> H <sub>12</sub>
Sarkomehaninsäure	C <sub>6</sub> H <sub>6</sub> O <sub>24</sub> N <sub>10</sub> S			Storesin	C <sub>35</sub> H <sub>50</sub> O <sub>5</sub>
—	C <sub>6</sub> H <sub>6</sub> O <sub>25</sub> N <sub>12</sub> N			Storesinol	C <sub>18</sub> H <sub>19</sub> O
Sarkosin	C <sub>8</sub> H <sub>10</sub> O <sub>2</sub> N			Strophantidin	C <sub>18</sub> H <sub>20</sub> O <sub>4</sub>
Sarkosinanhydrid	C <sub>6</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub>			—	C <sub>29</sub> H <sub>48</sub> O <sub>7</sub>
Sarkosinharnsäure	C <sub>6</sub> H <sub>9</sub> O <sub>4</sub> N <sub>3</sub>			Strophantin	C <sub>31</sub> H <sub>48</sub> O <sub>11</sub>
Sarkosinmesoharnsäure	C <sub>6</sub> H <sub>9</sub> O <sub>5</sub> N <sub>4</sub>			—	C <sub>31</sub> H <sub>48</sub> O <sub>14</sub>
Sarkosinsäure	C <sub>6</sub> H <sub>9</sub> O <sub>2</sub> N			Strychnidin	C <sub>21</sub> H <sub>24</sub> O <sub>2</sub> N
Sativinsäure	C <sub>18</sub> H <sub>36</sub> O <sub>6</sub>			Strychnin	C <sub>21</sub> H <sub>22</sub> O <sub>4</sub> N <sub>2</sub>
Scatol	C <sub>9</sub> H <sub>8</sub> N			Strychninsäure	C <sub>14</sub> H <sub>11</sub> O <sub>2</sub> N
Scharlachsäure	C <sub>4</sub> H <sub>6</sub> ON <sub>3</sub> S <sub>3</sub>			—	C <sub>21</sub> H <sub>24</sub> O <sub>3</sub> N <sub>2</sub>
Schleifelsäure	C <sub>10</sub> H <sub>10</sub> O <sub>5</sub>			Strychnolin	C <sub>21</sub> H <sub>20</sub> N <sub>2</sub>
Schwefelkohlenstoff	CN <sub>2</sub>			Stryphninsäure	C <sub>4</sub> H <sub>4</sub> O <sub>8</sub> N <sub>2</sub>
Scorbrin	C <sub>39</sub> H <sub>60</sub> O <sub>18</sub> N <sub>10</sub>			Stiruin	C <sub>24</sub> H <sub>40</sub> ON <sub>2</sub>
Scoparin	C <sub>39</sub> H <sub>56</sub> O <sub>10</sub>			—	C <sub>29</sub> H <sub>49</sub> O <sub>7</sub> N <sub>19</sub>
Scopolamin	C <sub>10</sub> H <sub>21</sub> O <sub>4</sub> N			Stycerin	C <sub>9</sub> H <sub>19</sub> O <sub>9</sub>
Scopoletin	C <sub>10</sub> H <sub>14</sub> O <sub>4</sub>			Styphninsäure	C <sub>6</sub> H <sub>5</sub> O <sub>3</sub> N <sub>3</sub>
Scopoligenin	C <sub>7</sub> H <sub>11</sub> O <sub>8</sub> N			Styrac	C <sub>10</sub> H <sub>16</sub> O <sub>6</sub>
Scopolin	C <sub>9</sub> H <sub>12</sub> O <sub>2</sub> N			Styrogallol	C <sub>16</sub> H <sub>8</sub> O <sub>5</sub>
—	C <sub>9</sub> H <sub>10</sub> O <sub>15</sub>			Styrol	C <sub>6</sub> H <sub>6</sub>
Scyllit	C <sub>8</sub> H <sub>12</sub> O <sub>5</sub>			Styrolalkohol	C <sub>6</sub> H <sub>10</sub> O <sub>2</sub>
Scymnol	C <sub>27</sub> H <sub>44</sub> O <sub>5</sub>			Styrolnitrosit	C <sub>6</sub> H <sub>9</sub> O <sub>3</sub> N <sub>2</sub>
—	C <sub>29</sub> H <sub>50</sub> O <sub>5</sub>			Styron	C <sub>9</sub> H <sub>10</sub> O
Sebacin	C <sub>18</sub> H <sub>18</sub>			Styrylather	C <sub>14</sub> H <sub>16</sub> O
				Styrylharnstott	C <sub>6</sub> H <sub>5</sub> ON <sub>3</sub>
				Styryhydantoïn	C <sub>11</sub> H <sub>10</sub> O <sub>3</sub> N <sub>2</sub>

Styrylhydantoinsäure $C_{11}H_{12}O_3N_2$	Tanaceten $C_{16}H_{16}$	Terpanol $C_{16}H_{20}O$
Suberaminsäure $C_8H_{15}O_5N$	Tanacétin $C_{11}H_{16}O_4$	Terpenon $C_{10}H_{16}O$
Suberan $C_8H_{14}$	Tanacetketocarbonsäure $C_{10}H_{16}O_3$	Terpentinsäure $C_8H_{19}O_5$
Suberaniilsäure $C_9H_{16}O_3N$	Tanacetketoximcarbonsäure $C_{19}H_{17}O_3N$	Terpenylsäure $C_8H_{15}O_4$
Suberconsäure $C_8H_{12}O_4$	Tanacetogengsäure $C_9H_{14}O_2$	Terpilen $C_{10}H_{16}$
Suberenkarbonsäure $C_8H_{12}O_2$	Tanaceton $C_{16}H_{16}O$	Terpin $C_{10}H_{16}$
Suberkolsäure $C_8H_{10}O_4$	Tanacetophorin $C_9H_{12}O$	Terpinelol $C_{10}H_{18}O$
Suberocarbonsäure $C_9H_{14}O_2$	Tanacetumgerbsäure $C_{23}H_{39}O_{31}$	Terpinen $C_{10}H_{16}$
Suberonalsäure $C_8H_{14}O_3$	Tanacytalykohol $C_{10}H_{16}O$	Terpineol $C_{10}H_{18}O$
Suberousäure $C_8H_{14}O_2$	Tanacytamin $C_{10}H_{16}N$	Terpinylen $C_{10}H_{16}$
Suberowinsäure $C_8H_{14}O_4$	Tanginin $C_{22}H_{40}O_5$	Tetanin $C_{13}H_{22}O_2N_2$
Suberylalkohol $C_8H_{14}O$	Tangininsäure $C_{22}H_{40}O_4$	Tetrabutyryldin $C_{16}H_{29}ON$
Suberylaamin $C_7H_{15}N$	Tannon $C_{48}H_{42}O_{17}N_4$	Tetracodein $C_{17}H_{24}O_2N_4$
Suberylchlorid $C_7H_{13}Cl$	Tannoform $C_{39}H_{50}O_{18}$	Tetrahydrodin $C_{12}H_{19}N$
Suberylen $C_8H_{12}$	Tannomelansäure $C_9H_{10}O_3$	Tetrakosan $C_{24}H_{50}$
Suberyloxyessigsäure $C_8H_{14}O_3$	Tannoxylsäure $C_7H_9O_6$	Tetralutidin $C_{28}H_{50}N_4$
Succinoabietinol $C_6H_{20}O_2$	Tarchonylalkohol $C_{20}H_{10}O_2$	Tetramorphin $C_{30}H_{52}O_{12}N_4$
Succinooabietinsäure $C_6H_{18}O_5$	Taririnsäure $C_{11}H_{12}O_3$	Tetrasalicylid $C_8H_{16}O_6$
Succinoresinol $C_{15}H_{20}O$	Tarkonin $C_{11}H_9O_3N$	Tetraspartid $C_{16}H_{24}O_6N_4$
Succinosilvinsäure $C_{14}H_{26}O_2$	Tarkonsäure $C_{10}H_{12}O_3N$	Tetrasparsäure $C_6H_{22}O_{12}N_4$
Succinursäure $C_6H_9O_4N_2$	Tartrabenzoumsäure $C_{11}H_9O_6N$	Tetraterebenten $C_{40}H_{64}$
Succinylidiharstoff $C_8H_{14}O_4N_4$	Tartralsäure $C_{11}H_{10}O_1$	Tetrathiopenton $C_{15}H_{28}S_4$
Succisteren $C_{15}H_{10}$	Tartralinsäure $C_{10}H_{11}O_5N$	Tetrazol $CH_2N_4$
Sulfisatanigessäure $C_8H_7O_4N_3S$	Tartrazin $C_{16}H_{12}O_6N_3S_2$	Tetrinsäure $C_6H_6O_2$
Sulfocamphersäure $C_8H_{14}O_6S$	Tartrazinsäure $C_{16}H_{12}O_6N_3S_2$	Tetrol $C_4H_4O$
Sulfocamphen $C_9H_{12}O_6S_2$	Tartellsäure $C_{11}H_9O_5$	Tetrololdianil $C_{16}H_{11}N_2$
Sulfoco lid $C_{18}H_{21}O_5NS$	Tartronsäure $C_9H_9O_4$	Tetrololidtolyl $C_{18}H_{18}N_2$
Sulfohydrochinon $C_{12}H_{10}O_3S$	Tartrophtalsäure $C_8H_{12}O_6$	Tetrolharmstoff $C_5H_9ON_2$
— $C_{12}H_{12}O_3S$	Taurin $C_2H_2O_3NS$	Tetrolsäure $C_4H_4O_2$
Sulfostinsäure $C_8H_7O_6NS$	Tauramidmelid $C_8H_9O_5N_2S$	Tetrolurethan $C_6H_8O_2N$
Sulfonal $C_7H_{16}O_4S_2$	Taurobetafat $C_8H_{13}O_5NS$	Tetronäture $C_4H_4O_5$
Sulfophlorotinsäure $C_9H_{16}O_6S$	Taurocarbaminsäure $C_9H_9O_4N_2S$	Tetrose $C_4H_4O_4$
Sulfoipiperid $C_9H_{12}O_2N_2S$	Taurochenocholsäure $C_{29}H_{49}O_9NS$	Teucrin $C_{11}H_{14}O_1$
Sulfivinursäure $C_4H_9O_2N_3S$	Taurocholsäure $C_{20}H_{45}O_7NS$	Thallin $C_{16}H_{12}ON$
Sycocerylalkohol $C_{18}H_{30}O$	Taurocynam $C_8H_9O_5NS_2$	Thapsiaäsure $C_6H_{21}O_2N$
Sylvan $C_5H_8O$	Taurodiamelin $C_{10}H_{15}O_6N_3S_2$	Thebaein $C_{10}H_{21}O_2N$
Sylvancarbonessigsäure $C_4H_6O_5$	Tauroglykocynam $C_8H_9O_5NS$	Thebaol $C_{10}H_{14}O_5$
Sylvanessigsäure $C_2H_4O_3$	Tautocinchonin $C_{10}H_{17}ON_2$	Thebaolchinon $C_{10}H_{12}O_6$
Sylevestren $C_{16}H_{10}$	Taxin $C_{27}H_{28}O_1N$	Thebenin $C_{16}H_{10}O_3N$
Sylvinsäure $C_{20}H_{30}O_3$	Tectochrysin $C_{16}H_{12}O_4$	Thebenol $C_{11}H_{14}O_3$
Synanthren $C_{14}H_{10}$	Telaoscrin $C_{18}H_{20}O_2$	Thefin $C_8H_{10}O_2N_4$
Synanthrin $C_8H_{10}O_4$	Terakonsäure $C_7H_{10}O_4$	Theobromin $C_7H_8O_2N_4$
Synanthrose $C_6H_{10}O_5$	Terakrylsäure $C_7H_{12}O_2$	Theobromursäure $C_7H_8O_2N_4$
Syntouin $C_{144}H_{242}O_{42}N_{20}S$	Terebenten $C_{10}H_{16}$	Theophyllin $C_6H_9O_2N_4$
Syringasäure $C_8H_{10}O_5$	Terebentinsäure $C_8H_{10}O_2$	Theursäure $C_5H_7O_4N_3$
Syringenin $C_{11}H_{14}O_4$	Terebentinsäure $C_9H_{14}O_2$	Theveresin $C_{45}H_{70}O_7$
Syringin $C_{17}H_{24}O_9$	Terebilensäure $C_8H_{14}O_4$	Thevetin $C_{64}H_{104}O_4$
Tagatose $C_6H_{12}O_6$	Terebinsäure $C_7H_{10}O_4$	Thiaceteton $C_9H_{19}NS_2$
Taigußsäure $C_{15}H_{24}O_3$	Terechrysinsäure $C_6H_8O_5$	Thiacetouramsäure $C_6H_8O_2NS$
Talit $C_8H_{14}O_6$	Terelaktionsäure $C_8H_{10}O_3$	Thialdin $C_6H_{12}NS_2$
Taloul $C_8H_{14}O_6$	Terephthalimidin $C_8H_8N_4$	Thianisoinsäure $C_6H_{14}O_4S$
Talousäure $C_8H_{12}O_7$	Terephthalophenon $C_{20}H_{14}O_2$	Thianthren $C_{12}H_{18}S_2$
Taloschleimsäure $C_8H_{10}O_6$	Terephitalsäure $C_8H_8O_4$	— $C_{14}H_{12}S_2$
Tampicin $C_{14}H_{14}O_4$	Teropiammon $C_{20}H_{25}O_{15}N$	Thiazol $C_5H_3NS$
Tampicinsäure $C_{24}H_{40}O_{12}$	Terpadién $C_{10}H_{16}$	Thiazoltriazol $C_4H_3N_3S$
Tampikolsäure $C_{16}H_{32}O_4$	Terpan $C_{16}H_{18}O$	Thiergummi $C_{19}H_{28}O_4$
		Thioacetophenon $C_8H_8S$
		Thioamelin $C_8H_8N_3S$
		Thioanilin $C_7H_8N_3S$
		Thioanisole $C_{14}H_{14}O_2S$
		Thiobarbitursäure $C_6H_4O_2N_2S$

Thiobenzhydrol	C <sub>13</sub> H <sub>12</sub> S	Thymin	C <sub>9</sub> H <sub>6</sub> O <sub>2</sub> N <sub>2</sub>	Tricarbonimid	C <sub>2</sub> H <sub>3</sub> O <sub>3</sub> N <sub>3</sub>
Thiobenzophenon	C <sub>13</sub> H <sub>10</sub> S	Thyminsäure	C <sub>15</sub> H <sub>25</sub> O <sub>12</sub> N <sub>2</sub> P <sub>2</sub>	Trichinoyl	C <sub>6</sub> H <sub>10</sub> O <sub>14</sub>
Thiobiuret	C <sub>9</sub> H <sub>5</sub> ON <sub>3</sub> S	Thymoakrylsäure	C <sub>15</sub> H <sub>21</sub> O <sub>3</sub>	Trichloralimid	C <sub>6</sub> H <sub>8</sub> N <sub>3</sub> Cl <sub>6</sub>
Thiocampher	C <sub>10</sub> H <sub>16</sub> S	Thymochinon	C <sub>10</sub> H <sub>12</sub> O <sub>2</sub>	Tricitin	C <sub>13</sub> H <sub>22</sub> O <sub>11</sub>
Thiocarhanil	C <sub>7</sub> H <sub>10</sub> NS	Thymol	C <sub>10</sub> H <sub>14</sub> O	Tricodein	C <sub>9</sub> H <sub>16</sub> O <sub>9</sub> N <sub>3</sub>
Thiocarbanilid	C <sub>11</sub> H <sub>10</sub> N <sub>2</sub> S	Thymolchroin	C <sub>10</sub> H <sub>19</sub> O <sub>5</sub> N <sub>2</sub>	Tricykloacetonsuperoxyd	C <sub>9</sub> H <sub>18</sub> O <sub>6</sub>
Thiochinanthren	C <sub>18</sub> H <sub>10</sub> N <sub>2</sub> S <sub>2</sub>	Thymolglukosid	C <sub>16</sub> H <sub>24</sub> O <sub>6</sub>	Triepinsäure	C <sub>5</sub> H <sub>8</sub> O <sub>5</sub>
Thiochronsäure	C <sub>6</sub> H <sub>10</sub> O <sub>17</sub> S <sub>2</sub>	Thymoxycuminsäure	C <sub>16</sub> H <sub>12</sub> O <sub>5</sub>	Trigensäure	C <sub>5</sub> H <sub>10</sub> O <sub>3</sub>
Thiocumarin	C <sub>9</sub> H <sub>8</sub> OS	Thymophenoichinon	C <sub>22</sub> H <sub>24</sub> O <sub>4</sub>	Trigonellin	C <sub>11</sub> H <sub>20</sub> O <sub>2</sub> N
Thiocumazuron	C <sub>8</sub> H <sub>6</sub> ONS	Thymotid	C <sub>11</sub> H <sub>12</sub> O <sub>2</sub>	Triguandin	C <sub>9</sub> H <sub>16</sub> N <sub>6</sub>
Thiodialursäure	C <sub>4</sub> H <sub>6</sub> O <sub>3</sub> N <sub>2</sub> S	Thymotinsäure	C <sub>11</sub> H <sub>14</sub> O <sub>3</sub>	Triglycerin	C <sub>9</sub> H <sub>16</sub> O <sub>3</sub>
Thiodialktylsäure	C <sub>6</sub> H <sub>10</sub> O <sub>4</sub> S	Thyreantitoxin	C <sub>11</sub> H <sub>10</sub> O <sub>5</sub> N <sub>3</sub>	Triglykolaminsäure	C <sub>8</sub> H <sub>16</sub> O <sub>6</sub> N
Thiofuscusol	C <sub>7</sub> H <sub>8</sub> OS	Tiglicerinsäure	C <sub>11</sub> H <sub>16</sub> O <sub>4</sub>	Triglykolsäure	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>
Thiofurulor	C <sub>5</sub> H <sub>4</sub> OS	Tiglinsäure	C <sub>9</sub> H <sub>16</sub> O <sub>2</sub>	Trikosan	C <sub>22</sub> H <sub>46</sub>
Thioglyoxylsäure	C <sub>9</sub> H <sub>12</sub> O <sub>2</sub> S	Tolan	C <sub>14</sub> H <sub>10</sub>	Trimellithsäure	C <sub>6</sub> H <sub>8</sub> O <sub>6</sub>
Thioharnstoff	CH <sub>4</sub> N <sub>2</sub> S	Tolanurein	C <sub>15</sub> H <sub>12</sub> ON <sub>2</sub>	Trimesinsäure	C <sub>9</sub> H <sub>8</sub> O <sub>6</sub>
Thiohydantoinessigsäure	C <sub>3</sub> H <sub>6</sub> O <sub>3</sub> N <sub>2</sub> S	Tolazon	C <sub>14</sub> H <sub>12</sub> N <sub>2</sub>	Trimesitinsäure	C <sub>9</sub> H <sub>6</sub> O <sub>6</sub> N
Thiohydantoinäsure	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub> N <sub>2</sub> S	Tolen	C <sub>10</sub> H <sub>16</sub>	Trimorphin	C <sub>21</sub> H <sub>16</sub> O <sub>3</sub> N <sub>3</sub>
Thiokaffein	C <sub>11</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub> S	Tolualloxazin	C <sub>11</sub> H <sub>6</sub> O <sub>2</sub> N <sub>4</sub>	Trioxal	C <sub>6</sub> H <sub>10</sub> O <sub>3</sub> S <sub>3</sub>
Thioleipiden	C <sub>28</sub> H <sub>50</sub> S	Toluansaldehydin	C <sub>24</sub> H <sub>26</sub> O <sub>2</sub> N <sub>1</sub>	Triphendioxazin	C <sub>19</sub> H <sub>10</sub> O <sub>2</sub> N <sub>2</sub>
Thionaphthen	C <sub>9</sub> H <sub>8</sub> S	Tolubenzaldehydin	C <sub>21</sub> H <sub>18</sub> N <sub>2</sub>	Tripyrrol	C <sub>12</sub> H <sub>15</sub> N <sub>3</sub>
Thionaphthol	C <sub>10</sub> H <sub>8</sub> S	Toluchiolin	C <sub>10</sub> H <sub>8</sub> N <sub>2</sub>	Tripyruvintetraureid	C <sub>13</sub> H <sub>16</sub> O <sub>2</sub> N <sub>8</sub>
Thionessal	C <sub>28</sub> H <sub>50</sub> S	Toluchinom	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	Triresorcin	C <sub>18</sub> H <sub>14</sub> O <sub>4</sub>
Thionin	C <sub>18</sub> H <sub>16</sub> N <sub>2</sub> S	Tolurfuraldehydin	C <sub>11</sub> H <sub>14</sub> O <sub>2</sub> N <sub>3</sub>	Trisuccinamid	C <sub>12</sub> H <sub>12</sub> O <sub>6</sub> N <sub>2</sub>
Thionolin	C <sub>11</sub> H <sub>10</sub> ONS <sub>2</sub>	Toluidindimelamin	C <sub>24</sub> H <sub>27</sub> N <sub>9</sub>	Trithioaceton	C <sub>4</sub> H <sub>8</sub> S <sub>3</sub>
Thionursäure	C <sub>11</sub> H <sub>5</sub> O <sub>3</sub> N <sub>3</sub> S	Toluidindophenazin	C <sub>15</sub> H <sub>11</sub> N <sub>8</sub>	Trithiodiketyltsäure	C <sub>6</sub> H <sub>10</sub> O <sub>3</sub> S <sub>3</sub>
Thioopiansäure	C <sub>10</sub> H <sub>10</sub> O <sub>2</sub> S	Toluisatin	C <sub>22</sub> H <sub>19</sub> ON	Trithiopyroglycid	C <sub>6</sub> C <sub>11</sub> H <sub>12</sub> OS <sub>3</sub>
Thiophaminsäure	C <sub>13</sub> H <sub>6</sub> O <sub>9</sub>	Tolunaptiazin	C <sub>12</sub> H <sub>12</sub> N <sub>2</sub>	Trithiovanillin	C <sub>9</sub> H <sub>24</sub> O <sub>2</sub> S <sub>3</sub>
Thiophansäure	C <sub>12</sub> H <sub>6</sub> O <sub>12</sub>	Toluol	C <sub>6</sub> H <sub>6</sub>	Tropacocain	C <sub>15</sub> H <sub>19</sub> O <sub>2</sub> N
Thiophen	C <sub>4</sub> H <sub>4</sub> S	Toluphenanthrazin	C <sub>21</sub> H <sub>14</sub> N <sub>2</sub>	Tropäolin	C <sub>14</sub> H <sub>15</sub> O <sub>2</sub> N <sub>3</sub> S
Thiophengrün	C <sub>21</sub> H <sub>21</sub> ON <sub>2</sub> S	Toluresattanol	C <sub>17</sub> H <sub>18</sub> D <sub>5</sub>	Tropan	C <sub>4</sub> H <sub>9</sub> N
Thiophenatiben	C <sub>16</sub> H <sub>12</sub> S <sub>2</sub>	Tolursäure	C <sub>19</sub> H <sub>11</sub> O <sub>3</sub> N	Tropanin	C <sub>7</sub> H <sub>12</sub> N
Thiophthalid	C <sub>8</sub> H <sub>6</sub> OS	Tolusafranin	C <sub>21</sub> H <sub>20</sub> N <sub>4</sub>	Tropasäure	C <sub>9</sub> H <sub>10</sub> O <sub>3</sub>
Thiophpten	C <sub>6</sub> H <sub>6</sub> S <sub>2</sub>	Toluylenulob	C <sub>13</sub> H <sub>14</sub> O <sub>4</sub>	Tropidin	C <sub>4</sub> H <sub>11</sub> N
Thiopseudoharnsäure	C <sub>5</sub> H <sub>6</sub> O <sub>3</sub> N <sub>2</sub> S	Toluylenoxamidathar	C <sub>15</sub> H <sub>18</sub> O <sub>6</sub> N <sub>2</sub>	Tropigenin	C <sub>7</sub> H <sub>13</sub> ON
Thiorufinsäure	C <sub>10</sub> H <sub>14</sub> O <sub>4</sub> S <sub>2</sub>	Toluylenoxamid	C <sub>9</sub> H <sub>8</sub> O <sub>2</sub> N <sub>2</sub>	Tropinapinakon	C <sub>10</sub> H <sub>20</sub> O <sub>2</sub> N <sub>2</sub>
Thiosianamin	C <sub>4</sub> H <sub>8</sub> N <sub>2</sub> S	Toluylenrot	C <sub>15</sub> H <sub>16</sub> N <sub>4</sub>	Tropilen	C <sub>6</sub> H <sub>10</sub> O
Thiosuccinursäure	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub> N <sub>2</sub> S	Toluylenviolet	C <sub>14</sub> H <sub>14</sub> N <sub>4</sub>	Tropilden	C <sub>7</sub> H <sub>8</sub>
Thiosulfanilin	C <sub>11</sub> H <sub>11</sub> N <sub>2</sub> S <sub>3</sub>	Toluylsäure	C <sub>6</sub> H <sub>6</sub> O <sub>2</sub>	Tropin	C <sub>6</sub> H <sub>13</sub> ON
Thiouramil	C <sub>5</sub> H <sub>5</sub> O <sub>2</sub> N <sub>2</sub> S	Tolybenzil	C <sub>21</sub> H <sub>17</sub> ON	Tropinneurin	C <sub>10</sub> H <sub>10</sub> O <sub>2</sub> N
Thiourazol	C <sub>5</sub> H <sub>5</sub> ON <sub>3</sub> S	Tolyglycyl	C <sub>9</sub> H <sub>11</sub> ON <sub>2</sub>	Tropinon	C <sub>6</sub> H <sub>13</sub> ON
Thioxanthon	C <sub>13</sub> H <sub>10</sub> OS	Tolyguanazol	C <sub>11</sub> H <sub>11</sub> N <sub>5</sub>	Tropinsäure	C <sub>6</sub> H <sub>13</sub> O <sub>4</sub> N
Thiuramsulfid	C <sub>4</sub> H <sub>4</sub> N <sub>2</sub> S <sub>4</sub>	Tormentilliroth	C <sub>26</sub> H <sub>22</sub> O <sub>11</sub>	Tropolin	C <sub>6</sub> H <sub>13</sub> ON
Thiuramsulfid	C <sub>3</sub> H <sub>4</sub> N <sub>2</sub> S <sub>3</sub>	Toxigenon	C <sub>29</sub> H <sub>26</sub> O <sub>3</sub>	Tropylamin	C <sub>6</sub> H <sub>16</sub> N <sub>2</sub>
Thiuret	C <sub>6</sub> H <sub>7</sub> N <sub>2</sub> S <sub>3</sub>	Trachylosäure	C <sub>6</sub> H <sub>6</sub> O <sub>8</sub>	Tropylscopollein	C <sub>17</sub> H <sub>21</sub> O <sub>4</sub> N
Thujaketonsäure	C <sub>10</sub> H <sub>16</sub> O <sub>2</sub>	Traubenzäure	C <sub>6</sub> H <sub>6</sub> O <sub>6</sub>	Truxen	C <sub>18</sub> H <sub>12</sub>
Thujaketoximsäure	C <sub>10</sub> H <sub>17</sub> O <sub>2</sub> N	Traubenzucker	C <sub>6</sub> H <sub>12</sub> O <sub>6</sub>	—	C <sub>27</sub> H <sub>18</sub>
Thujamenthol	C <sub>19</sub> H <sub>20</sub> O	Trehalose	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>	Truxillfluorescein	C <sub>39</sub> H <sub>24</sub> O <sub>6</sub>
Thujamenthon	C <sub>10</sub> H <sub>18</sub> O	Trehalum	C <sub>24</sub> H <sub>48</sub> O <sub>21</sub>	Truxilin	C <sub>19</sub> H <sub>23</sub> O <sub>2</sub> N
Thujen	C <sub>10</sub> H <sub>16</sub>	Triacetodiamid	C <sub>6</sub> H <sub>12</sub> O <sub>2</sub> N <sub>2</sub>	Truxillsäure	C <sub>18</sub> H <sub>16</sub> O <sub>4</sub>
Thujetin	C <sub>14</sub> H <sub>14</sub> O <sub>6</sub>	Triacetonalkamin	C <sub>6</sub> H <sub>10</sub> O <sub>6</sub> N <sub>2</sub>	Truxon	C <sub>6</sub> H <sub>10</sub> O
Thujetinsäure	C <sub>9</sub> H <sub>22</sub> O <sub>13</sub>	Triacetondiamin	C <sub>6</sub> H <sub>10</sub> ON <sub>2</sub>	Tuberkulinsäure	C <sub>7</sub> H <sub>10</sub> O <sub>4</sub>
Thujigenin	C <sub>14</sub> H <sub>14</sub> O <sub>7</sub>	Triacetoin	C <sub>6</sub> H <sub>12</sub> N <sub>2</sub>	Tuberon	C <sub>13</sub> H <sub>29</sub> O <sub>9</sub>
Thujin	C <sub>20</sub> H <sub>22</sub> O <sub>12</sub>	Triacetontrisulfon	C <sub>6</sub> H <sub>11</sub> O <sub>6</sub> S <sub>3</sub>	Tubocurarin	C <sub>19</sub> H <sub>21</sub> O <sub>4</sub> N
Thujon	C <sub>10</sub> H <sub>16</sub> O	Trianißalkulin	C <sub>33</sub> H <sub>31</sub> O <sub>6</sub> N <sub>3</sub>	Tulucumin	C <sub>14</sub> H <sub>14</sub> O <sub>4</sub>
Thujonamin	C <sub>10</sub> H <sub>15</sub> N	Triazobenzol	C <sub>8</sub> H <sub>5</sub> N <sub>3</sub>	Tunicin	C <sub>6</sub> H <sub>10</sub> O <sub>5</sub>
Thujylalkohol	C <sub>10</sub> H <sub>18</sub> O	Triazol	C <sub>7</sub> H <sub>9</sub> N <sub>3</sub>	Turanoße	C <sub>12</sub> H <sub>22</sub> O <sub>11</sub>
Thymen	C <sub>10</sub> H <sub>16</sub>	Tricapyren	C <sub>24</sub> H <sub>48</sub>	Turnerinasäure	C <sub>12</sub> H <sub>16</sub> O <sub>2</sub>

Turpethinsäure  $C_{34}H_{60}O_{18}$   
 Turpetholsäure  $C_{16}H_{32}O_4$   
 Typhotoxin  $C_7H_{12}O_2N$   
 Tyroleucin  $C_7H_{11}O_2N$   
 Tyrosin  $C_9H_{11}O_3N$   
 Tyrosinhydantoïn  
 $C_{10}H_{10}O_2N_2$   
 Tyrosinhydantoinsäure  
 $C_{16}H_{12}O_4N_2$

Ueberkohlsäure  $C_3H_2O_6$   
 Ulexiu  $C_{11}H_{14}ON_5$   
 Umbelliferon  $C_9H_8O_3$   
 Umbelliferonessigsäure  
 $C_{11}H_8O_5$   
 Umbellol  $C_9H_{12}O$   
 Umbellsäure  $C_9H_8O_4$   
 Umbellulsäure  $C_{11}H_{22}O_2$   
 Undekolsäure  $C_{11}H_{12}O_3$   
 Undekylensäure  $C_{11}H_{20}O_2$   
 Uramil  $C_5H_5O_3N_2$   
 Uramilsäure  $C_5H_6O_2N_5$   
 Urazol  $C_3H_8O_2N_5$   
 Urechitin  $C_{28}H_{42}O_6$   
 Urechitoxin  $C_{12}H_{20}O_6$   
 Urethan  $C_3H_8O_2N$   
 Urethanophenylhexanäthan  
 $C_{13}H_{16}O_5N_2$   
 Uretropin  $C_{13}H_{20}O_2N_2$   
 Urinilsäure  $C_9H_8O_2N_3$   
 Urobinol  $C_{29}H_{42}O_7N_4$   
 Urobutychloralsäure  
 $C_{10}H_{12}O_7Cl_2$   
 Urocauin  $C_{11}H_{10}ON_4$   
 Urocaninsäure  $C_{11}H_{12}O_4N_4$   
 Urochloralsäure  $C_{11}H_{12}O_7Cl_2$   
 Urofusochämatin  $C_{34}H_{32}O_5N_4$   
 Uromelamin  $C_{36}H_{42}O_6N_7$   
 Uronitrotoluolsäure  
 $C_{11}H_{12}O_9N$   
 Uroprotsäure  $C_{66}H_{116}O_{54}N_{26}S$   
 Ururobrohämatin  
 $C_{31}H_{31}O_7N_4Fe$   
 Ursulfinsäure  $C_9H_4O_2N_4S$   
 Uroxansäure  $C_9H_4O_4N_4$   
 Urson  $C_{30}H_{48}O_8$   
 Urushinsäure  $C_{14}H_{18}O_2$   
 Usnarssäure  $C_{30}H_{42}O_{15}$   
 Usneol  $C_{11}H_{12}O_8$   
 Usnetinsäure  $C_9H_{10}O_8$   
 Usnetol  $C_{13}H_{14}O_4$   
 Usnitinsäure  $C_9H_{10}O_7$   
 Usnitol  $C_9H_{10}O_7$   
 Usnolsäure  $C_9H_{16}O_7$   
 Uvinon  $C_{14}H_{12}O_4$   
 Uvinsäure  $C_7H_8O_3$   
 Uvitaminsäure  $C_9H_{13}O_5N$

Uvitinsäure  $C_9H_2O_4$   
 Uvitoninsäure  $C_nH_7O_4N$   
 Uvitonsäure  $C_9H_{14}O_9$

Valdivin  $C_{18}H_{24}O_{10}$   
 Valeraldin  $C_{15}H_{29}NS_2$   
 Valeraldol  $C_{16}H_{20}O_2$   
 Valeriensäure  $C_9H_{16}O_2$   
 Valeridin  $C_{10}H_{12}N$   
 Valeritrin  $C_9H_{17}N$   
 Valeron  $C_9H_{15}O$   
 Valerylen  $C_9H_{15}$   
 Validin  $C_{16}H_8N$   
 Valylen  $C_9H^6$   
 Vanillin  $C_8H_8O_3$   
 Vanillinal doxm  $C_8H_8O_2N$   
 Vanillinsäure  $C_8H_8O_4$   
 Vanilliodiacetonamin  
 $C_4H_8O_2N_2$   
 Vanillylcarbonsäure  $C_9H_8O_2$   
 Vanillylalkohol  $C_9H_{10}O_3$   
 Vasculose  $C_{10}H_{11}O_7$   
 Vellosin  $C_{29}H_{42}O_8N_2$   
 Ventilagin  $C_{15}H_{14}O_6$   
 Veratralbin  $C_{29}H_{42}O_5N$   
 Veratrin  $C_{29}H_{42}O_5N$   
 —  $C_{39}H_{52}O_5N_1$   
 Veratriketonsäure  $C_{10}H_{10}O_2$   
 Veratrofin  $C_{29}H_{42}O_5N_2$   
 Veratrol  $C_9H_{10}O_2$   
 Veratrumsäure  $C_9H_{10}O_4$   
 Verin  $C_{29}H_{42}O_5N$   
 —  $C_{29}H_{29}O_5N_2$   
 Vernin  $C_{19}H_{31}O_8N_2$   
 Vestrylamin  $C_{10}H_{19}N$   
 Vesuvin  $C_{12}H_{14}N_8$   
 Vicin  $C_9H_{10}O_6N_2$   
 Victoriablau B  $C_{33}H_{32}N_3Cl$   
 —  $4R-C_{33}H_{32}N_3Cl$   
 Viktoriagelb  $C_9H_{10}O_4$   
 Vinakonsäure  $C_9H_8O_4$   
 Vincentoxin  $C_{14}H_{12}O_6$   
 Vinylalkohol  $C_9H_8O$   
 Vinyldiacetamin  $C_9H_{13}ON$   
 Vinyldiacetin  $C_9H_{11}N$   
 Violantin  $C_9H_8O_4N_2$   
 Violaquercitrin  $C_{28}H_{36}O_{15}$   
 Violursäure  $C_9H_8O_4N_2$   
 Viridin  $C_{19}H_{19}N$   
 Viscikautschin  $C_9H_{16}O$   
 Viscin  $C_{10}H_{17}O_4$   
 Viscose  $C_6H_{10}O_2$   
 Vitexin  $C_{15}H_{14}O_7$   
 Vitin  $C_{20}H_{32}O_2$   
 Vitol  $C_{17}H_{14}O$   
 Vitylglykol  $C_{23}H_{14}O_2$   
 Volemit  $C_9H_{16}O_2$   
 Vulpinsäure  $C_{19}H_{14}O_5$

Weinsäure  $C_4H_6O_6$   
 Weinsäurechloralid  
 $C_6H_8O_4Cl_2$   
 Wrightin  $C_{24}H_{40}N_2$

Xanthalin  $C_{27}H_{46}O_9N_2$   
 Xauthen  $C_{14}H_{16}O$   
 Xanthin  $C_5H_4O_4N_4$   
 Xanthiniu  $C_4H_8O_4N_2$   
 Xanthochelidonsäure  $C_7H_8O_2$   
 Xanthochinsäure  $C_{10}H_7O_2N$   
 Xanthogallol  $C_{18}H_{14}O_6Br_4$   
 Xanthogallosäure  
 $C_{18}H_8O_2Br_11$   
 Xauthokremin  $C_8H_{10}ON_4$   
 Xanthon  $C_{14}H_8O_3$   
 Xanthophansäure  $C_{11}H_8O_3$   
 Xanthopurpurin  $C_{14}H_{10}O_4$   
 Xanthorhamnin  $C_{48}H_{66}O_{20}$   
 Xanthorocelin  $C_{11}H_{10}O_2N_2$   
 Xanthorrhoecharz  $C_{10}H_{10}O_5$   
 Xanthostrychnol  $C_{38}H_{21}O_4N_3$   
 Xanthoxylen  $C_9H_{16}$   
 Xanthoxylan  $C_{10}H_{12}O_4$   
 Xanthydrol  $C_{18}H_{10}O_3$   
 Xenylamin  $C_9H_{11}N$   
 Xeronsäure  $C_9H_8O_4$   
 Xylan  $C_4H_6O_3$   
 —  $C_6H_8O_4$   
 Xylylendium  $C_{18}H_{11}N_2$   
 Xyldinsäure  $C_9H_8O_4$   
 Xylit  $C_9H_{12}O_5$   
 Xyliton  $C_9H_{11}O_2$   
 Xylochimon  $C_9H_8O_2$   
 Xylochloral  $C_9H_8O_2Cl_2$   
 Xylo  $C_9H_{10}$   
 Xylonsäure  $C_9H_{14}O_6$   
 Xylorcincarbonsäure  $C_9H_{10}O_4$   
 Xylosamin  $C_{23}H_{11}O_4N$   
 Xylose  $C_5H_{10}O_5$   
 Xyloylformoxim  $C_{10}H_{11}O_2N$   
 Xylolyglyoxylsäure  $C_{10}H_{10}O_3$   
 Xyllysäure  $C_{24}H_{30}O_7$

Yohimbenin  $C_{33}H_{46}O_8N_3$   
 Yohimbín  $C_{22}H_{39}O_4N_2$   
 Yohimbinsäure  $C_{20}H_{42}O_6N_2$   
 Yuccasaponin  $C_{24}H_{40}O_{10}$

Zeorin  $C_{13}H_{22}O$   
 Zeorinin  $C_{25}H_{44}O_2$   
 Zimmtalkohol  $C_9H_{10}O$   
 Zimmtsäure  $C_9H_8O_2$   
 Zuckersäure  $C_6H_{10}O_6$



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