

VOL. 714 NO. 2 8 DECEMBER 1995

THIS ISSUE COMPLETES VOL. 714

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0021-9673/95/\$09.50

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Printed in the Netherlands

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17. AMINES, AMIDES AND RELATED NITROGEN COMPOUNDS

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18. AMINO ACIDS AND PEPTIDES; CHEMICAL STRUCTURE OF PROTEINS

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33a. General papers and reviews

See 4055, 4268.

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See 4139, 4141, 4222, 4232, 4292, 4306, 4307, 4308, 4310, 4314, 4327, 4370, 4433, 4436, 4440, 4543, 4566, 4571, 4574, 4582, 4616, 4973, 4989.

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24. ORGANIC SULPHUR COMPOUNDS (INCL. GLUCOSINOLATES)

See 734.

25. ORGANIC PHOSPHORUS COMPOUNDS (INCL. SUGAR PHOSPHATES)

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SUPPLEMENT TO THE
JOURNAL OF CHROMATOGRAPHY A

1995

INDEXES

INTRODUCTION

Presenting the Subject Index for all the four different parts of the Bibliography Section as well as presenting the Index of Types of Compounds Chromatographed has become a tradition in the Journal. The following indexes refer to both volumes of Bibliography published this year (713 and 714). Because the methodological part differs substantially in different techniques, we have retained the subdivision system, using the following abbreviations: C = Liquid column chromatography, E = Electrophoresis, G = Gas chromatography, P = Planar chromatography. In the Index of Types of Compounds Chromatographed all types of methods are indicated in the individual entries by appropriate abbreviations. Entries relevant to supercritical fluid chromatography are to be looked for in the section on Gas Chromatography. Micellar electrokinetic chromatography is to be looked for in the section on Electrophoresis. In entries that are heavily populated by chromatographic papers we made a further subdivision into Techniques and Applications. In the Subject Index a selection was made in such entries and an appropriate note was attached. Commonly used sorbents and procedures were not included into the Index. Reviews are clearly indicated.

Prague (Czech Republic)
Brno (Czech Republic)

Z. Deyl and V. Schwarz
J. Janák

Subject Index

Please, note that this Index refers to the entry numbers in the Bibliography Section (Vols. 713 and 714). Individual parts of the Bibliography Section (Liquid Column Chromatography, Gas Chromatography, Planar Chromatography and Electrophoresis) are numbered separately.

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Index of Types of Compounds Chromatographed

This Index follows generally identical rules as those published in previous years i.e. references of general interest and techniques are within a given entry listed first, followed by applications and finally by papers limited to certain area of applications only. This, however, is applicable to highly populated entries, where subdivision appeared necessary. As in the past years the individual parts of the Bibliography Section i.e. Liquid column chromatography (C), Gas chromatography (G), Planar chromatography (P) and Electrophoresis (E) were numbered separately. Therefore the respective shortening should direct the reader to one of the techniques first before looking for a particular number (identical numbers occur under different techniques). Please note that this Index refers to the entry numbers in the Bibliography Section, J. Chromatogr. Vols. 713 and 714.

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- C: 950, 1139, 1149, 1154, 1181, 2073, 2435, 2436, 3715, 3727, 3731, 3738, 4045, 4230, 4707, 4818, 4861
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- C: 1185
- G: 1102

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- G: 2245

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- C: 885, 887, 1136, 2518, 4162, 4595, 4597
- G: 487, 797, 1031, 1037, 1039
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- G: 1828
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- G: 1781

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- C: 406-413, 1697, 1698, 2975-2977, 4270
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- C: 867, 4571, 4572

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- C: 8
- E: 1119, 1121

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- E: 6

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- C: 1532, 1539, 2220, 3267, 4114, 4115(review)
- G: 226, 227, 230-232, 240, 241, 247, 655, 672, 817, 848, 860, 863, 864, 867, 872-875, 877, 1050, 1154, 1296, 1372, 1374, 1376, 1378-1380, 1382, 1384, 1387, 1389, 1393-1395, 1635, 1636, 1639, 1647, 1816, 1849, 1855, 1867, 1957-1959, 1964-1966, 1968, 1969, 1972, 1975-1979, 2152

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- C: 421, 422, 1705, 1706, 2990

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- C: 889

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- C: 960, 2292, 2327, 3755, 4730, 4745, 4804, 4843, 4848

- P: 582

- E: 976

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- P: 363, 733

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- C: 873

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- C: 248-314, 1564-1601, 2838-2889, 4148-4217

- G: 322-332, 917-925, 1452-1458, 2016-2021

- P: 49, 50, 246-248, 448-453, 684-687

- E: 196-239, 1067-1082, 1951-1976, 2789-2824

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- E: 995, 1957

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- G: 325, 919, 1454, 1456, 2018

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- G: 324, 1453, 1455, 2029

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 E: 1017, 1860, 2662, 2666, 3292
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 C: 1267, 1272, 1274, 1275(review), 1280, 1283, 1285, 2497, 2504, 2508, 2511, 2519, 2522, 2523, 3857, 3862, 3863, 3865, 3869-3871, 3876, 3881, 3882(review), 3883, 3885, 4905, 4910, 4911, 4935, 4936, 4947, 4952, 4954, 4956, 4967, 4969, 4970
 G: 491
 P: 2(review), 397, 399, 761-763, 765, 768
 E: 1009, 1017, 2654, 2661, 3286, 3295
 see also Actinides and uranium; Alkali metals; Alkaline earths; Platinum metals and gold; Rare earths
- Cells, viruses and microorganisms
 C: 1260, 1262, 1263, 2489-2491, 3845, 3846, 3848, 3851, 4932, 4934
 P: 639
 E: 1002-1005, 1007, 1794, 1796, 1798, 1799(review), 2633, 2634(review), 2636-2641, 2644, 2646, 2647(review), 2648-2651, 3283, 3285
- , metabolites and taxonomical studies
 C: 1295(review)
 G: 360, 696, 1479, 1481, 2037, 2088, 2300
 P: 640
 E: 2725
- Cellulose acetate see Polysaccharides and their constituents
- Cephalosporins
 C: 165, 940, 951, 973, 2190, 2205, 2209, 2210, 2214, 3536, 3549(review), 3568, 4027, 4627
 P: 722
 E: 2582
- Ceramides, see Sphingolipids
- Cerebrosides, see Sphingolipids
- Chelates, see Coordination compounds
- Chemotherapeutics
 C: 1158, 4821, 4822
 G: 621
 P: 185, 187
 see also Sulphonamides
- Chloramphenicol and related compounds
 C: 923, 924, 935, 974, 1177, 2182, 4631, 4638, 4640
 P: 156, 162, 339, 548, 721
 E: 2583, 2585
- Chloroplast pigments
 C: 15, 1002, 1010, 1011, 2238, 2240, 2242, 4686
 P: 355
 E: 1763, 1765
- Choline and derivatives
 C: 2685, 4289
 P: 512

Cholinergic and cholinergic blocking substances

C: 1118, 2398, 2413, 3650, 3700

G: 1127

E: 125

see also Myorelaxants

Chromium, see Cations, inorganic, analytical group III

Chromones

C: 2826

Chromoproteins and metalloproteins

C: 553, 621-636, 1934, 1947-1954, 2049, 3118, 3166, 3185-3198, 3313, 4436-4440, 4441(review), 4442-4446

E: 458, 497-507, 1385, 1413-1420, 1926, 2181-2187, 2968, 2990-2999

—, structural studies

C: 525, 527, 534, 3194

E: 2186

Cinchona alkaloids

C: 4880

Clinico-chemical applications (endogenous compounds in body fluids)

C: 240, 251, 264, 315, 339, 344, 347, 353, 358, 366, 386, 390, 406, 411, 412, 453, 455, 462, 477, 514, 624, 626, 627, 629-631, 633-635, 731, 759, 825, 826, 851, 866, 868, 899, 921, 1223, 1625, 1642, 1669, 1673, 1676, 1718, 1723, 1726, 1731, 1790, 1949, 1979, 2083, 2087, 2126, 2153, 2164, 2254, 2787, 2836, 2839, 2843, 2857, 2902, 2918, 2925, 2933, 2937, 2954, 2955, 2961, 2963, 2970, 2996, 2997, 3008, 3021, 3027, 3030, 3038, 3043, 3051, 3078, 3186, 3189, 3197, 3198, 3241, 3242, 3319, 3351, 3426, 3456, 3464, 3468, 3470, 3746, 3750, 3807, 3865, 3899, 4139, 4141, 4222, 4232, 4292, 4306-4308, 4310, 4314, 4327, 4370, 4433, 4436, 4440, 4543, 4566, 4574, 4582, 4616, 4973

G: 198, 217, 336, 393, 446, 626, 1351, 1462, 1492

P: 32, 63, 81, 91, 105, 140, 185, 316, 328, 469, 480, 482, 638

E: 214, 242, 244, 248, 254, 259, 264-266, 269, 275, 293, 303, 304, 329, 454, 467, 479, 481, 501, 503, 550, 634, 635, 659, 664, 665, 669, 718, 789, 817, 865, 873, 876, 877, 884, 895, 909, 910, 915, 962, 990-992, 1018, 1166, 1175, 1194-1198, 1200, 1204, 1222, 1231, 1358, 1376, 1384, 1416, 1483, 1521, 1606, 1699, 1703, 1710-1712, 1719, 1746, 1789, 1800, 1958, 1966, 1978, 1979, 1983, 1985, 1995, 2139, 2144, 2170, 2186, 2251, 2253, 2259, 2316, 2327, 2504, 2505, 2510, 2526, 2542, 2543, 2548, 2552, 2553, 2565, 2568, 2589, 2619, 2805, 2828, 2953, 2984, 2990, 2992, 2999, 3064, 3082, 3084, 3103, 3162, 3174, 3178, 3181, 3196, 3202, 3204, 3275, 3286, 3295

see also individual categories of endogenous compounds

—, reviews and books

C: 1222, 2179, 3806, 4055, 4268

G: 2, 717, 765, 1013, 2090

E: 453, 989, 1370, 1714, 1788, 2352, 2617, 2618

—, profiling body fluids

G: 204, 240, 341, 370, 380, 382, 383, 445, 583, 917, 918, 920, 921, 929, 935, 943, 958, 964, 971, 1004, 1007, 1022, 1073, 1131, 1132, 1187, 1289, 1501, 1573, 1613, 1940, 2029, 2090, 2099, 2103, 2105, 2119, 2257, 2258

Coal analysis

C: 4929

G: 766, 949, 1361, 1495, 1775, 1794, 2117, 2272, 2296

Coal tar and bitumens, hydrocarbons in

C: 203(review), 1536, 1541, 1543, 1544, 2785, 3467, 4117, 4118

G: 258, 267, 685, 695, 766, 916, 1361, 1412, 1774, 1779, 2299

P: 35(review), 36, 434, 436, 759

E: 1944, 1945

Cobalamins, see Vitamins, B₁₂ group

Cobalt, see Cations, inorganic, analytical group III

Coccidiostatics

C: 965, 992, 3540, 3718, 3735, 3757

G: 620

Colchicum alkaloids

C: 3443, 3445, 4562

Contraceptives

C: 401, 4261, 4862

see also Steroids

Coordination compounds

C: 199, 200, 876, 890, 1284, 1729, 2147-2150, 2486, 2488, 2520, 3493-3496, 3862, 4598, 4894

P: 547

E: 1047, 1143, 1758, 1759, 2579, 2580, 2658, 2745, 3267

see also Amino acids, metal complexes

—, reviews

G: 1609

Copper, see Cations, inorganic, analytical group IIa

Coronar vasodilators, see Vasodilators

Cosmetics

C: 872, 1205, 2399, 2410, 2425, 3774, 3831, 3835, 4853, 4856, 4860

G: 1422, 1639

E: 2612

Coumarins

C: 77, 236, 238, 247, 1373, 2415, 2822, 2823, 2825, 3805, 4136

G: 294

P: 560, 561

E: 1166, 2787

Crude oil and petroleum analysis

C: 185, 196, 202, 203(review), 204, 1258, 1542, 2505

G: 200, 207, 218, 252, 258, 262-265, 461, 830, 844, 854, 882, 885, 1162, 1259, 1348, 1400, 1401, 1403-1406, 1409-1411, 1413, 1414, 1583, 1586, 1588, 1776, 1788, 1934, 1936, 1941, 1942, 1948, 1983-1990, 1992, 2064, 2104, 2281, 2292, 2296, 2315

P: 35, 239, 435

see also Hydrocarbons, complex mixtures

Cyanates, see Halides and other inorganic halogen compounds

Cyanides, see Halides and other inorganic halogen compounds

Cytokinins

C: 3410

Cytostatics

C: 891, 964, 1162-1176, 1219, 1223, 1772, 2084, 2120, 2180, 2352, 2382-2397, 2400, 2409, 2428, 2459, 3510, 3542, 3740-3752, 3955, 4094, 4633, 4828-4842, 4882

G: 2243

P: 130, 188, 189, 223, 600-603, 673, 743-746

E: 1782, 1783, 3102, 3265

see also Antitumor antibiotics; Purines, analogues of purines, pyrimidines, nucleotides, nucleosides

DDesinficiens, *see* AntibacterialsDetergents, *see* Surfactants, emulsifiers and detergents

Diagnostics

C: 1182, 1190, 1197, 1201, 2421, 3771

G: 1573

Diazines

C: 3464

G: 857

P: 151, 329

Dioxans and dioxins

C: 4114, 4135

G: 251, 297, 298, 301, 302, 304, 305, 872, 876, 894-899, 901-903, 1393, 1394, 1435, 1439, 1816, 1978, 2002, 2004

E: 194

Disulphones and polysulphones

G: 1436

Diuretics

C: 1086, 1105, 1189, 1195, 1199, 2313, 2416, 2430, 3655

G: 583

P: 174

E: 967, 1780

DNA, reviews

C: 1876, 2102

E: 748, 806, 849, 1095, 1643, 1659, 1868, 2390, 2435, 2449, 2452, 2519, 2540, 2726, 2741, 3156

—, techniques

C: 847, 2088, 2103-2108, 3128, 3430, 3433, 3435, 3436, 3438, 4550

E: 44, 72, 92, 711, 756, 788, 790, 791, 793-796, 799, 800, 802, 810, 813, 816, 818, 820, 821, 824, 827, 828, 830, 836-838, 840, 844, 845, 847, 848, 851, 898, 905, 1644, 1645, 1649, 1650, 1655, 1660-1662, 1666-1668, 1671, 1672, 1676, 1678, 1679, 1682-1685, 1689, 1690, 1730, 1838, 1844, 1862, 1865, 1877, 1881, 1882, 1939, 2050, 2382, 2383, 2395, 2426, 2428-2432, 2434, 2437-2440, 2442-2445, 2451, 2453, 2454, 2456, 2460-2465, 2467, 2468, 2470, 2471, 2473, 2474, 2477, 2479, 2481-2483, 2486, 2487, 2489-2491, 2494-2496, 2674, 2699, 2761, 3125-3130, 3132-3134, 3137, 3138, 3140, 3145-3149, 3157-3159, 3162, 3164-3166, 3170, 3171

—, applications, non-biological

C: 3413

P: 319

E: 574, 644, 732, 750, 762, 779, 786, 797, 798, 801, 807-809, 812, 814, 815, 818, 822, 823, 825, 826, 832, 833, 841-843, 846, 858, 863, 1314, 1366, 1498, 1616, 1637, 1642, 1647, 1652-1654, 1656, 1663-1665, 1674, 1677, 1681, 1686, 1688, 1689, 2265, 2279, 2370, 2425, 2427, 2433, 2436, 2441, 2447, 2455, 2457, 2458, 2466, 2469, 2472, 2476, 2478, 2480, 2484, 2485, 2497, 2503, 2524, 2554, 3021, 3079, 3105, 3131, 3135, 3136, 3139, 3141, 3144, 3152-3154, 3160, 3167

—, —, microorganisms

C: 3437, 4552

E: 752, 784, 787, 792, 811, 829, 834, 835, 839, 850, 919, 1646, 1648, 1651, 1669, 1670, 1674, 2440, 2442, 2450, 2453, 2459, 2475, 2493, 2647, 3124, 3142, 3151, 3161, 3163, 3168, 3194

—, —, plants

C: 846, 3418

E: 389, 758, 804, 1658, 2448, 2476, 2497

DNA, applications, animal material

C: 845, 2101

E: 743, 762, 785, 789, 801, 803, 805, 807, 817, 819, 831, 853, 1606, 1610, 1630, 1656, 1657, 1673, 1675, 1686, 1687, 2279, 2386, 2408, 2432, 2440, 2446, 2447, 2457, 2475, 2488, 2492, 2495, 2915, 3143, 3150, 3153, 3155, 3167, 3169

—, chemically modified

G: 900, 1013, 1437, 1575, 2088

—, structural studies

C: 846, 848, 2106, 2108, 2629, 3439

G: 1012, 1557, 1574, 1575

E: 58, 252, 354, 424, 565, 583, 650, 712, 785, 790, 797, 815, 820, 833, 858, 860-925, 1107, 1145, 1295, 1498, 1587, 1629, 1632, 1663, 1673, 1675, 1688, 1695, 1697-1713, 1714(review), 1715-1752, 1876(review), 1881, 2296, 2318, 2364, 2370, 2381, 2395, 2408, 2433, 2454, 2462, 2485, 2492, 2503-2518, 2519(review), 2520-2539, 2540(review), 2541-2576, 2726(review), 2922, 3125, 3172-3186, 3187(review), 3188-3197, 3198(review), 3199-3208

—, complex mixtures of DNA and RNA and DNA-RNA hybrids

C: 849

E: 574, 742, 765, 833, 902, 926-929, 3209, 3210

Drug monitoring and pharmacokinetics studies, reviews and books

G: 158, 569-571, 601, 625, 819, 1089, 1126, 1562, 1698, 1704, 1713, 1722, 1733, 2166, 2209, 2231, 2236

see also individual categories of drugs

Drugs of abuse (general papers)

C: 1122, 1184, 1212

G: 605, 607, 611, 617, 627, 1106, 1690, 1812, 2222, 2239, 2246, 2248

E: 987, 3211

see also individual categories of drugs

—, other

C: 162, 1178, 1180, 1183, 1186, 1194, 1554, 2119, 2315, 2339, 2402, 2406, 2410-2412, 2417, 2418, 2423, 2427, 2429, 3746, 3753, 3756, 3762, 3766, 3767, 3772, 4270, 4599, 4786, 4847, 4855

G: 361, 636, 1337

P: 332, 377, 607

E: 983, 3267, 3268

Drugs, synthetic, *see* Pharmaceutical applications and individual types of drugsDyes, natural, *see* Pigments, natural

Dyes synthetic, theory and techniques

C: 2234

P: 220, 354, 407, 408, 412, 415, 729

E: 949, 1762, 1941, 3230

—, applications

C: 997, 2235, 2628, 3000, 3005, 3594, 4679, 4680

P: 168, 352, 353, 576-578

see also Food dyes; Textile dyes (including bleaching agents)**E**

Ecdysones and other insect hormones of steroid nature

C: 4271, 4272

G: 1041

P: 498

Elemental analysis (including functional group analysis)

G: 155

Endorphins, enkephalins and their analogues

C: 483, 489, 518, 1804, 2345

E: 2023, 2024

Environmental analysis (general papers)

C: 54, 194, 1237, 1269, 1281, 1379, 2624, 2767, 2773, 2778, 2781, 3821, 3830, 3867, 3984, 4894, 4897

G: 1923

P: 427

E: 996, 2626, 2627

—, —, reviews and books

C: 203, 1238, 1240, 1436, 2709, 3820, 3822, 4002, 4053, 4062, 4115, 4895, 4896

E: 3280

Enzymes (including activity measurement)

C: 687-817, 1985-2072, 3250-3404, 4471-4537

E: 604-710, 1490-1581, 2264-2362, 2943-3097

—, general techniques and reviews

C: 687, 3250, 3266, 4471

E: 1039, 1490, 2052, 2264, 2352, 2671, 2938

—, activity measurement

C: 687(review), 700, 716, 731, 754, 782, 835, 1993, 2002, 2006, 2011, 2012, 2901, 3331, 3420, 4489, 4527, 4885

G: 1415, 2118

P: 481

E: 395, 396, 404, 661, 674, 685, 706, 714, 911, 2323, 3090

—, complex mixtures and incompletely defined enzymes

C: 816, 817, 3403, 4535-4537

G: 1541

E: 710, 1579-1581

see also individual categories of enzymes

—, —, structural studies

C: 4365

Ephedra alkaloids

C: 1119, 2127, 4876

E: 930, 3212, 3213

Epoxides

C: 2790, 2896, 3989, 4140

G: 310, 314, 753, 1347, 2071

P: 455, 456

Epoxy resins

G: 45, 359, 1081, 1211, 1677

Ergot alkaloids

C: 2114

G: 1909

Essential oils

C: 420, 2985, 2989, 4121, 4280

G: 85, 406, 407, 410-427, 633, 648, 808, 982-990, 992, 1130, 1138, 1530, 1533-1538, 1540, 1542-1549, 2069, 2070, 2072, 2073, 2075, 2077-2082, 2254, 2267

P: 115, 388, 505-508

Ethers, aliphatic ethers

C: 1514, 2361, 2834, 3830

G: 15, 134, 269, 308, 309, 318, 906, 907, 911, 912, 1162, 1443, 1754, 1863, 2008

P: 7

—, cyclic ethers

C: 4130

G: 311, 909, 1441, 2006, 2010

P: 680

Explosives

C: 424

G: 993, 1169, 1553, 1555, 1637, 1787, 2083, 2084

P: 116

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Ferrocenes

C: 2144

G: 173

Flame retardants

G: 680, 1773

Flavins, see Vitamins, B and other flavins

Flavonoids and γ -pyrone derivatives

C: 9(review), 220-225, 416, 1550, 1551(review), 1552-1554, 2233, 2802-2810, 3769, 3803, 3804, 4125-4128

G: 892, 1430, 2001

P: 39, 242, 394, 440, 626

E: 188-193, 2616, 2785

Flavours, volatiles, odours, see Organoleptics

Fluorinated antibiotics

C: 970, 4639

Folic acid and other pteridine derivatives

C: 899, 911, 2163, 2174, 2175, 2178, 3499, 3511, 3529, 3598, 4602, 4616, 4623, 4830

E: 944

Food analysis

C: 211, 215, 220-222, 226, 227, 237, 241, 252, 259, 287, 318, 326, 329, 331, 336, 340, 341, 345, 357, 393, 395, 402, 421, 422, 428, 433, 445, 451, 642, 644, 678, 821, 869, 893, 895, 897, 904, 910, 911, 919, 920, 924, 925, 927, 932, 933, 939, 943, 945, 955, 962, 963, 966, 971, 976, 999, 1041, 1050, 1111, 1130, 1133, 1134, 1136, 1138, 1140, 1142, 1145, 1150, 1215, 1225-1234, 1277, 1540, 1547, 1555, 1568, 1572, 1580, 1603, 1604, 1608, 1631, 1633, 1648, 1649, 1654, 1678, 1689, 1693, 1705, 1706, 1710, 1711, 1730, 1732, 1740, 1754, 1758, 1774, 1900, 1909, 2091, 2132, 2142, 2152, 2160, 2167, 2170, 2182, 2207, 2211, 2229, 2235, 2273, 2362, 2375, 2376, 2441, 2462-2465, 2541, 2795, 2799, 2812-2816, 2818, 2826, 2829, 2831, 2849, 2850, 2854, 2890, 2892, 2897, 2898, 2900, 2908, 2911, 2915, 2926, 2936, 2952, 2990, 2999, 3011, 3013, 3023, 3024, 3035, 3044, 3083, 3245, 3358, 3428, 3459, 3480, 3501, 3504, 3506, 3515, 3517, 3526, 3530, 3534, 3535, 3546, 3547, 3558, 3559, 3566, 3580, 3586, 3589-3591, 3593, 3719, 3728, 3732-3735, 3737, 3797, 3808-3819, 3844, 3850, 3889, 3891, 3901, 4124, 4125, 4133, 4134, 4137, 4143, 4154-4156, 4163, 4169, 4170, 4174, 4177, 4223, 4233, 4237, 4246, 4250, 4252, 4267, 4284, 4286, 4295, 4300, 4302, 4312, 4315, 4341, 4346, 4350, 4404, 4408, 4450, 4580, 4589, 4593, 4606, 4618, 4619, 4629, 4631, 4634, 4636, 4640, 4646, 4659, 4665, 4670, 4679, 4686, 4741, 4808, 4810, 4811, 4813, 4817, 4824, 4826, 4889, 4891, 4941, 4945, 4977, 4994, 5005, 5010

G: 203, 210, 220, 241, 295, 302, 334, 340, 344, 355, 365, 378, 402, 403, 435, 468, 470, 487, 499, 506, 508, 517, 530-532, 545, 546, 549, 637, 639, 696, 811, 837, 841, 848, 864, 886, 919, 926, 956, 976, 977, 981, 1005, 1023, 1025, 1036, 1045, 1051, 1059, 1060, 1063, 1064, 1133-1141, 1143-1147, 1149,

- 1160, 1349, 1356, 1380, 1389, 1424, 1461, 1487, 1488, 1504, 1505, 1512, 1518-1520, 1561, 1584, 1589, 1617, 1619, 1623, 1628, 1635, 1655, 1657, 1666, 1669, 1735, 1744, 1745, 1747, 1790, 1791, 1793, 1807, 1955, 1971, 1993, 2053-2055, 2058, 2061, 2085, 2100, 2132, 2138-2140, 2146, 2150, 2155-2158, 2186, 2260-2263, 2268, 2284, 2318
- P: 41, 42, 87, 119, 163, 182, 200, 243, 254, 281, 282, 348, 393, 444, 462, 479, 489, 492, 499, 509, 510, 548, 554, 557, 576, 632, 637
- E: 201, 228, 290, 436, 939, 993-995, 999, 1253, 1340, 1422, 1425, 2051, 2134, 2160, 2167, 2190, 2194-2196, 2583, 2590, 2591, 2622-2625, 2786, 2930, 2945, 2977, 3224, 3225, 3276-3278, 3304
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- C: 1224, 2179, 2460, 2461, 3022, 3533, 3809, 4615, 4664, 4890
- G: 2259
- P: 443
- E: 2352, 2620, 2621
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- Food dyes
- C: 999, 4681, 4906
- P: 575, 728
- E: 950, 2591
- Fullerenes
- C: 192, 193, 197, 199, 200, 1523(review), 1526, 1527, 1534, 1538, 2761-2763, 2769, 2770, 2772, 2780, 4107, 4109, 4111, 4112
- G: 91, 833
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- C: 990, 2228, 2229, 3574, 3589, 3590
- G: 542, 544-548, 1072, 1667, 2168, 2187-2189
- P: 572, 727
- E: 161
- Furans
- C: 241, 1514, 1558, 2824, 4114
- G: 2005
- P: 45, 204, 510, 616
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- Gangliosides, see Sphingolipids
- Gases
- C: 2542
- G: 27, 38, 76, 86, 92, 199, 702, 703, 705, 710-712, 734, 780, 1173, 1175, 1176, 1179, 1286, 1353, 1783, 1794-1796, 1801, 1802, 1808, 1833, 2127, 2274, 2313
- Gibberelins
- C: 2131, 3461
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- Glucosinolates
- G: 462
- Glycerides, simple
- C: 364, 365, 2935, 4244, 4249
- G: 385, 386, 388-390, 824, 945, 947, 953, 956, 1498-1501, 1503-1505, 1507, 2052-2055
- P: 66, 77, 89, 269, 467, 470, 692, 703
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- Glycolipids
- C: 353, 370, 376, 382, 1659, 2853, 2940, 2949, 4217, 4243, 4253
- P: 62, 65, 75, 78, 83, 84, 96, 97, 263, 276, 278, 283, 284, 448, 461, 466, 475, 485, 496, 695, 696, 701
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- Glycols and polyols
- C: 1031, 1032, 1546, 1570, 2254, 2787, 3830, 4914
- G: 1679
- P: 455
- Glycoproteins and glycopeptides, techniques
- C: 141, 301, 302, 305, 1339, 1340, 1579(review), 1598, 2883, 4055(review), 4151(review), 4196(review), 4202(review), 4210, 4215(review), 4386
- G: 331
- E: 225, 232, 237, 1968, 1972, 2047, 2790(review), 2813, 2816, 2821
- , applications, non-biological
- C: 297, 298, 300, 4199, 4397
- E: 209, 219, 222, 227, 233, 235, 1967, 1975, 2811, 2814, 2822, 2921, 2924
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- P: 248
- E: 397, 757
- , —, plants
- C: 585, 2882
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- , —, animal material
- C: 303, 306, 309, 311, 312, 638, 1592-1594, 1599, 2048, 2878, 2884, 2886, 4198, 4200, 4203-4207, 4214
- E: 220, 228, 229, 234, 236, 1181, 1182, 1223, 1267, 1358, 1964-1966, 1969(review), 1970, 1973, 1974, 2809-2812, 2815, 2817, 2820, 2824, 2953
- , structure investigation
- C: 308, 1598, 2844, 2851, 2876, 2879, 2885, 2887, 2888, 4201, 4209
- P: 453
- E: 209, 220, 226, 295, 450, 1976, 2808
- Glycosaminoglycans (including proteoglycans of connective tissue)
- C: 274, 275, 279, 280, 283, 285, 288-290, 292-295, 310, 828, 841, 1581, 1591, 1600, 2864, 2865, 2867, 2868, 2870-2872, 2880, 2881, 2949, 3232, 4181, 4188, 4189, 4192, 4197, 4212
- E: 210, 212-215, 218, 230, 1175, 1177, 1952, 1959, 1961, 1963, 2804-2806, 3037, 3107
- see also Glycoproteins and glycopeptides, applications, animal material
- , structural studies
- C: 277, 281, 2846, 2869, 2872, 3206, 4181, 4183, 4187, 4191, 4211, 4216
- E: 198, 1962, 2823
- see also Carbohydrates, derivatives, amino sugars
- Growth factors
- C: 492, 493, 1204, 1801, 3059, 3061, 3088, 4331, 4609, 4613
- G: 494
- E: 726, 2010, 2859, 2865, 3119
- see also Pituitary hormones and proteins; Gibberelins

Growth factors, structural analysis

C: 1838

Gold, *see* Platinum metals and gold

Guanidine and guanidine derivatives

C: 4301

H

Haemostatics

C: 2339, 3753, 4859

Halides and other inorganic halogen-containing compounds (including cyanides and cyanates)

C: 322, 1287, 2530, 2537, 2539-2541, 3887, 3888, 3892, 3894, 3896, 3898, 3900, 4690, 4900, 4977, 4981, 4983, 4992, 4994, 4995, 4997, 5001, 5003, 5006, 5012

G: 697-700, 1420, 1771, 1789-1792, 2311, 2318

P: 397

E: 1148, 1811, 1812

Hallucinogens (including cannabis constituents)

C: 1090

G: 631, 1128, 1723, 1726, 1729, 1734, 2247

Halogen derivatives of hydrocarbons, *see* Hydrocarbons, halogen derivatives

Halogens

C: 2536, 4992, 4996, 4998, 5000, 5005, 5006

G: 2320

E: 2670, 3294

Harman alkaloids

C: 3451, 4564

Herbicides, general techniques

C: 986, 989, 2218, 3588, 4670

G: 2185

P: 349, 350

E: 1131, 2587, 2588

—, carboxylic acid, anilides and related compounds

C: 988, 1770, 2223, 3586, 3587, 4182

G: 534, 538, 540, 1070, 1662-1664, 2169, 2172, 2175, 2177, 2179, 2182, 2186

P: 349, 570

E: 947

—, triazine derivatives

C: 987, 2222, 2226, 2227, 4609, 4666-4669, 4671, 4912

G: 498, 536, 539, 541, 749, 832, 1066, 1075, 1658, 1660, 1661, 1665, 2135, 2170, 2171, 2174, 2180-2184, 2186

P: 570, 571, 736

E: 947

—, urea derivatives

C: 977, 1177, 2224, 2225, 3574, 3586

G: 136, 535

E: 2588, 3227, 3228, 3270

Heterocyclics, nitrogen (other)

C: 41, 873, 2795, 3467, 3469, 4580-4582, 4817

G: 456, 1022, 1024, 2120

P: 147, 329, 540, 543

E: 937

see also individual groups of nitrogen containing heterocyclics and drugs

Heterocyclics, oxygen (other)

C: 237, 3776, 3989

G: 300, 306, 307, 2003

see also individual groups of oxygen containing heterocyclics

—, sulphur (other)

C: 880

G: 461, 1583, 1585, 1874, 2117

see also Thiazoles and isothiazoles; Thiophenes

Histamine and related substances

C: 428, 1583, 1718, 1715, 2996

P: 119

see also Imidazoles

Hormones peptidic and proteinous (including synthetic analogues)

C: 497, 504, 580, 1778, 1780, 1790, 1798, 1812, 4329, 4339, 4355

G: 455

P: 714

E: 232, 305, 317, 392, 1218, 1222, 2014, 2854, 2859

see also individual categories of peptidic hormones

—, synthesis and structural studies

C: 494, 513, 523, 1781, 1825, 4367, 4373

Humic acids

C: 1008, 2468, 3601, 4684

G: 219, 297, 684, 691, 949, 1165, 1168, 1371, 1475, 1759

E: 951, 1764

Hydrazines, hydrazides and hydrazones

C: 1063

G: 2178

Hydrocarbons

C: 185-204, 1522-1544, 2760-2786, 4105-4119

G: 197-268, 837-885, 1347-1414, 1934-1990

P: 33-36, 239, 240, 434-436

E: 184, 185, 1943-1945, 2780, 2781

—, reviews and books

C: 194, 203, 2783, 4119

P: 35, 659

—, theory and techniques

G: 736

—, aliphatic

C: 1337, 1522

G: 15, 16, 34, 87, 94, 187, 197, 199, 200, 202-206, 254, 260, 265, 786, 791, 799, 837-839, 841-845, 862, 1208, 1275, 1347-1350, 1352-1354, 1398, 1400, 1827, 1837, 1848, 1872, 1881, 1935, 1937-1943, 1953, 1982, 2309

—, cyclic

C: 79, 185-191, 194-196, 198, 1247, 1418, 1427, 1435, 1509, 1524, 1525, 1528-1533, 1535-1537, 2634, 2760, 2764-2768, 2771, 2773-2779, 2781, 3945, 3989, 4105, 4106, 4108, 4110, 4113, 4114, 4155

G: 26, 34, 127, 134, 141, 142, 159, 187, 208-214, 216, 217, 219-226, 235, 254, 260, 265, 657, 658, 766, 791, 813, 846, 847, 849-853, 855, 856, 858, 859, 863, 1153, 1154, 1157, 1214, 1252, 1278, 1330, 1345, 1355-1368, 1376, 1378, 1387, 1394, 1410, 1686, 1750, 1848, 1855, 1874, 1944-1956, 1963, 1978, 2279

P: 33, 34, 117, 390, 422, 425, 434, 659(review)

E: 7, 133, 134, 184, 185, 935, 1129, 1754, 1927, 1943, 2719, 2780, 2781

Hydrocarbons, halogen derivatives

C: 85, 201, 1238(review), 1381, 1532, 1539, 1540, 2222, 2782, 2783(review), 2784, 3267, 4115(review)

G: 17, 19, 41, 66, 76, 83, 127, 129, 208, 225-231, 233-251, 509, 512, 521, 543, 655, 657, 658, 665, 666, 668, 687, 733, 779, 813, 860-862, 864-878, 894, 898, 903, 1043, 1050, 1055, 1154, 1157, 1197, 1370-1373, 1375, 1377, 1379-1386, 1388, 1390-1392, 1395-1399, 1643, 1647, 1849, 1859, 1862, 1865, 1867, 1897, 1958-1961, 1963, 1965, 1967-1977, 1979-1981, 2279

P: 53

see also Biphenyl and derivatives; Pesticides, chlorinated

—, complex mixtures

C: 203(review), 204, 1542, 2786, 3467, 3838, 3984, 4116, 4119(review), 4898

G: 201, 253, 255, 256, 261, 266, 268, 664, 840, 881, 882, 884, 1166, 1310, 1402, 1407, 1985

P: 239, 240, 435

Hydrogen

G: 704, 748, 1172, 1811, 2312

Hydrolases, acting on ester bonds (E.C. 3.1.-.-)

C: 618, 725, 743-764, 804, 1944, 2022, 2029-2040, 3275, 3319-3342, 4501-4509

E: 309, 487, 645-671, 1008, 1340, 1535-1548, 1596, 2088, 2223, 2274, 2297, 2311-2320, 2352(review), 3058, 3062-3068

—, —, structural studies

C: 528, 537, 538, 3092, 3093, 3103

E: 319, 2030

—, acting on glycosyl compounds (E.C. 3.2.-.-)

C: 148, 288, 765-774, 2041, 2043-2049, 2569, 3343-3356, 3371, 4026, 4510-4518

E: 56, 215, 672-683, 1008, 1340, 1549-1554, 1974, 2111, 2274, 2321-2328, 2352(review), 2408, 2709, 2808, 3069-3076

—, —, structural studies

C: 1843, 2042

E: 3074

—, acting on ether bonds (E.C. 3.3.-.-)

C: 3361

—, acting on peptide bonds (E.C. 3.4.-.-)

C: 609, 679, 775-779, 783, 785, 789, 791-793, 795, 798-801, 1889, 2050, 2052-2055, 2057-2064, 2066-2068, 3058, 3074, 3082, 3206, 3357-3359, 3362-3364, 3366-3372, 3375-3381, 3383-3390, 4410, 4520-4526

E: 462, 596, 630, 684, 689-692, 695-697, 701, 740, 1293, 1555-1559, 1561-1566, 1570, 1573, 2140, 2329, 2331, 2334-2337, 2339-2347, 2352, 2353, 2589, 3077, 3079-3085, 3087, 3089-3091

—, —, structural studies

C: 533, 679, 4360

E: 596, 684

—, acting on C-N bonds other than peptide bonds (E.C. 3.5.-.-)

C: 784, 788, 790, 794, 796, 797, 3365

E: 1568, 2348, 2350, 3078

—, —, structural studies

C: 536, 1837

—, acting on acid anhydride bonds (E.C. 3.6.-.-)

C: 780, 781, 786, 787, 2037, 2051, 2056, 2065, 3360, 3373, 3374, 3382, 4519

E: 432, 685-688, 693, 694, 698-700, 1560, 1569, 1571, 1572, 2330, 2332, 2333, 2338, 2349, 3086, 3088

Hydrolases, acting on acid anhydride bonds (E.C. 3.6.-.-), structural studies

C: 521, 1832

E: 320, 1243, 1567, 2028, 2351, 2870, 2871

—, incompletely identified

G: 1094

—, activity measurement

C: 754, 782, 3331, 4527, 4885

E: 661, 674, 685, 911, 2323, 3090

Hypnotics (barbiturates, sedatives)

C: 31, 1095, 1096, 1102, 1208, 2324, 2332, 2341, 2354, 2583, 3683, 3689, 3788, 4771, 4794, 4801, 4807, 4872

G: 156, 606, 619, 1018, 1117, 1119, 1688, 1703, 1704, 1707, 1711, 1724, 2217, 2227, 2232, 2235

P: 182, 236, 423, 583, 587, 590, 591, 732

E: 977, 980, 3255

Hypolipidemic agents

C: 953, 1193, 1207, 2401, 3668, 3765, 3770, 3775, 4863(review)

E: 2611

Hypotensives and antihypertensives

C: 852, 1059, 1063, 1070, 1081, 1083, 1680, 2114, 2287, 2289, 2293, 2298, 2306, 2307, 2311-2314, 2617, 3372, 3654, 3663, 3664, 3668, 3674, 4751, 4755, 4756, 4759

G: 587, 591, 2215

P: 361, 731

E: 1120, 2606

see also Adrenergic and adrenergic blocking agents

Imidazoles and related compounds

C: 874, 1627, 2136, 3465, 3466, 3470, 3715, 4009, 4579, 4811

P: 330

E: 939, 1188, 1755, 1807, 3217

see also Histamine and related substances

Immunosuppressives and immunomodulatory drugs

C: 968, 972, 1172, 1179, 1198, 1206, 2199, 2201, 2404, 2405, 2407, 2409, 2419, 2420, 2422, 2432, 2437, 2868, 3406, 3537, 3560, 3571, 3572, 3759, 3761, 3764(review), 3778, 4857

G: 626

P: 344

E: 2610

see also Peptide and amino acid antibiotics

Indole alkaloids

C: 858, 1216, 4559

G: 1577

P: 145, 539, 715, 718

Indoles, techniques

C: 873, 2992(review), 3462, 3463, 4573, 4574

—, applications

C: 442(review), 821, 868, 869, 1678, 1715, 3008, 3459, 3460, 3463, 4241, 4574-4576

G: 2142

E: 2004

Inhibitors of enzymic activity, proteinous

C: 596, 665, 681, 682, 686, 1984, 3143, 3244, 4469

E: 234, 401, 418, 594, 597, 598, 600, 602, 1327, 1485, 2136, 2261, 2262

Inhibitors of enzymic activity, proteinous, structural studies

C: 522, 3099, 4362

E: 1327

—, non-proteinous

C: 162, 475, 824, 871, 926, 946, 950, 957, 959, 969, 970, 1070, 1083, 1098, 1113, 1255, 2316, 2338, 2384, 2395, 2398, 2414, 2436, 3556, 3662, 3663, 3668, 3701, 3747, 3766, 3773, 4642, 4643, 4759, 4840, 4861

P: 157, 164, 556

E: 1000, 2608, 3253

Inks

C: 2482

Inorganic compounds

C: 1264-1290, 2495-2543, 3852-3904, 4935-5014

G: 697-714, 1170-1182, 1789-1808, 2310-2322

P: 206-210, 396-400, 642-648, 761-769

E: 1009-1022, 1800-1814, 2653-2669, 3286-3309

see also Anions, inorganic; Cations, inorganic; individual types of anions and cations

—, reviews and books

C: 4968

P: 405

Insulin and analogues

C: 481, 492, 498, 1791, 1796, 3059, 3061, 3067, 3069

P: 315

E: 310, 1226, 1234, 1236, 2010, 2018, 2020

—, structural studies

C: 1844

G: 2049

Iridoid glucosides

P: 614

Iron, see Cations, inorganic, analytical group III

Isocyanates and cyanates, inorganic, see Halides and other inorganic halogen containing compounds

Isomerases

C: 811, 2072, 3399-3402, 4532, 4536

E: 604, 706-708, 787, 2355-2360, 3095, 3096

—, structural studies

C: 541

E: 1250

—, activity measurement

E: 706

L

Larvicides, insecticides

C: 983, 2217, 2231, 3574, 3592, 4677, 4678

P: 348

Laxatives

G: 1457

Lead, see Cations, inorganic, analytical group I and IIa

—, organic

G: 478, 1594, 1598, 1605, 2123

E: 3222

Lectins

C: 299, 304, 307, 314, 660, 1595-1597, 1601, 2877, 4195, 4208, 4213

P: 700

E: 221, 224, 231, 238, 239, 560, 580, 1178, 1179, 1965, 1971, 2818, 2819

Lectins, structural analysis

C: 2889

E: 1180

Ligases, forming C-O bonds (E.C. 6.1.-.-)

C: 813

—, —, structural studies

C: 529

—, forming C-N bonds (E.C. 6.3.-.-)

C: 812, 815, 3131, 4533, 4534

E: 2078

—, forming C-C bonds (E.C. 6.4.-.-)

C: 814

E: 783

—, other (including E.C. 6.5.-.-), structural studies

E: 1576

Lignin compounds

C: 245, 2481, 2486, 2833, 4122, 4147, 4182

G: 149, 321, 638, 892, 1430, 1458, 1772, 2287, 2288, 2291, 2298, 2304

P: 46, 683

E: 1950, 2616

Lipids

C: 353-384, 1639-1664, 2926-2953, 4243-4253

G: 385-390, 951-957, 1498-1507, 2052-2055

P: 58-99, 263-288, 459-497, 692-703

E: 251, 1090

—, reviews and books

C: 361, 1639, 1640, 1647, 1651, 1660, 2934

G: 957

P: 468, 473

—, general techniques

C: 69, 353, 354, 359, 369, 379, 1641, 1644, 1656, 1658, 1661, 2927, 2928, 2944, 2948, 2951, 2952, 4245, 4891

G: 952, 954, 1473

P: 83, 86, 95, 266, 423, 494

—, group separation

P: 274, 284

—, applications, non-biological

C: 373, 377, 384, 1643, 1650, 1655, 1663, 2399, 2482, 2950

P: 55, 58-60, 82, 86, 90, 93, 94, 273, 287, 496, 703

—, —, microorganisms

C: 363, 4217, 4244

P: 58, 69, 76, 95, 272, 277, 474, 477, 692

—, —, plants

C: 362, 375, 1645, 1662, 1700, 1702, 2932, 4243, 4246

G: 195

P: 67, 68, 87, 267, 466, 495

—, —, blood

C: 368, 2935, 2937

P: 70, 92, 268, 470, 696

—, —, brain and nerve tissue

C: 2946, 4253

P: 62, 469, 496, 701

—, —, milk and food products

C: 355, 364, 365, 377, 378, 1648, 1649, 1654, 1693, 2936, 2938, 2952, 4250, 4252

P: 87, 281, 282, 490, 492, 495

see also Food analysis

- Lipids, applications, other animal material
 C: 360, 370, 2853, 2930, 2933, 2940, 2941, 2943, 2945, 2949, 4249, 4658
 P: 61, 66, 71, 74, 77-79, 85, 89, 92, 131, 264, 269, 270, 274, 280, 284, 330, 448, 459, 464, 467, 469, 475, 476, 485, 488, 490, 491, 496, 693, 699
- , oxidation products
 C: 366, 1646, 1656, 1672, 2837, 2937, 2971, 4247
 G: 951, 1478
 P: 330, 479
- Lipopolysaccharides
 C: 2855
 E: 1190
- , structure studies
 C: 356, 2939, 3144
 G: 2021
 P: 64
- Lipoproteins (including apolipoproteins), reviews
 E: 1982, 2830
- , techniques
 C: 1668, 1670
 E: 1198, 1985, 2831
- , applications
 C: 385-390, 1665-1667, 1669, 1671, 1694, 2954-2959, 4396
 P: 289
 E: 252-276, 550, 1191-1202, 1979-1981, 1983-1989, 2374, 2832-2837, 2920, 2962
 see also Proteins of blood, serum and blood cells
- , structural studies
 C: 520
 G: 913, 958, 972, 1478
- Local anaesthetics, see Anaesthetics
- Lubricants
 C: 3841, 4930
 G: 1768
- Lyases, carbon-carbon (E.C. 4.1.-.-)
 C: 755, 803, 805, 806, 808, 2069, 3394, 3395, 3398, 4528, 4529
 E: 702, 1575, 2354, 3092, 3094
- , carbon-oxygen (E.C. 4.2.-.-)
 C: 802, 804, 809, 3391, 3393, 3396, 4530, 4531, 4536
 E: 1574, 1576, 3096
- , carbon-nitrogen (E.C. 4.3.-.-)
 C: 807, 2856, 3392, 4530
 E: 703, 2927, 3093
- , —, structural studies
 C: 3096
- , other
 C: 810, 2070, 2071
 E: 704, 705

M

- Macrolides (including erythromycine)
 C: 960, 967, 2185, 2189, 2194, 2201, 2203, 2206, 2208, 3539, 3560, 3562, 3563, 3565, 3569, 4648, 4857
 P: 160, 342, 344, 553
 E: 1760, 2568

- Magnesium, see Alkaline earths
- Manganese, see Cations, inorganic, analytical group III
- Medicated feeds
 C: 954, 1177, 1204
- Melamines
 E: 2590
- Mercury, see Cations, inorganic, analytical group I and IIa
- , organo-compounds
 C: 3488
 G: 475, 479, 1030, 1034, 1589, 1591, 1593, 1595, 1596, 1600
 P: 152
- Metal carbonyls
 G: 1207, 1744
- Mineral oils, hydrocarbons in
 G: 205, 257, 259, 674, 686, 759, 879, 880, 883, 1150, 1158, 1163, 1164, 1220, 1301, 1355, 1369, 1407, 1408, 1780, 1786, 1850
 see also Hydrocarbons, aliphatic; Hydrocarbons, complex mixtures; Crude oil and petroleum analysis
- Mitogens, mutagens and related compounds (growth factors)
 C: 1243
 see also Growth factors
- Molybdenum, see Cations, inorganic, analytical group IIb
- Mycotoxins, other
 C: 227, 229(review), 230-232, 235, 1556, 1557, 2814, 2816, 2817, 2819(review), 2820, 2821, 4130, 4131, 4133, 4134
 G: 295, 893
 P: 40-42, 44, 441, 442, 444, 445(review)
 see also Aflatoxins
- Myorelaxants
 C: 2321, 2340, 2348, 2352, 3703, 3708, 3758
 E: 125

N

- Narcotic analgesics and antagonists
 C: 2310, 2345, 2346, 2349, 2352, 2359, 4785
 G: 597, 1714, 1728, 2241, 2252
- Neuroleptics
 C: 1104, 2343, 2355, 3692, 4773
 G: 596, 1108, 1713, 2234, 2238
 E: 972, 979, 1138
- Neuromuscular blocking agents, see Myorelaxants; Cholinergic and cholinergic blocking substances
- Nickel, see Cations, inorganic, analytical group III
- Nicotinic acid and derivatives
 C: 906, 916, 3528
 G: 457, 1020, 1021, 1507
- Niobium, see Cations, inorganic, analytical group III
- Nitriles
 C: 1514, 3945
 G: 937, 1001, 1125, 1443, 1667, 1980, 1982, 2169
 P: 425
 see also Nitrogen compounds, inorganic
- Nitro compounds
 C: 423-425, 1087, 1381, 1418, 1707, 1710, 2301, 2653, 3985, 4281, 4282
 G: 242, 428, 429, 431-434, 436, 693, 865, 961, 994-996, 998-

- 1001, 1153, 1550, 1552, 1554, 1832, 1859, 2083, 2086
 P: 116, 117, 177, 246, 301, 363, 407, 425, 510
 E: 1129, 1990, 1994, 2839
 see also Explosives
- Nitrogen
 G: 716, 1215, 1352, 1788, 1797, 1801, 1810, 2313
- Nitrogen compounds, inorganic
 C: 2286, 2533, 3879, 3887, 3888, 3890, 3892, 4979, 4981, 4983, 4984, 4995, 5001, 5007, 5014
 G: 75, 1171, 1806
 P: 397
 E: 1021, 1811, 1812, 3304, 3308
 see also Ammonia
- Nitrogen oxides
 C: 4984
 G: 75, 708, 1215, 1802
- Nitrosamines
 C: 449, 2991
 G: 435, 997, 1009, 1551, 2085, 2087
 P: 432, 509
- Nitroso compounds
 C: 449, 1708, 2796, 4008
 G: 430, 994
 P: 363
 E: 1992
- Noble metals, see Platinum metals and gold
- Nucleic acids, see DNA; RNA
- Nucleosides, see Purines, pyrimidines, nucleosides, nucleotides
- Nucleotides, see Purines, pyrimidines, nucleosides, nucleotides

O

- Oestrogens, techniques and theory
 C: 1686, 3950, 4262
 P: 705
 E: 1205, 2838
- , applications, non-biological
 C: 2964, 2969, 4263
 G: 1333, 2057
- , —, biological
 C: 400, 401, 1684, 1685, 2970
 G: 398
- Oligonucleotides and polynucleotides
 C: 176, 820, 822, 833, 2023, 2075, 2085, 2086, 2088-2090, 3414, 4540, 4549
 E: 9, 712, 713, 715, 723-725, 728, 1582, 1584, 1587, 1588, 3101, 3104, 3173
- Oligosaccharides
 C: 248, 249, 252, 254, 256-258, 260, 263, 265, 268, 269, 271, 280, 281, 307, 356, 372, 1420, 1566, 1567, 1571, 1573, 1577, 1579(review), 1592, 1981, 2840, 2845-2847, 2851, 2853, 2855, 2858-2862, 2939, 3206, 3226, 3232, 4055(review), 4148, 4152, 4157, 4159, 4161, 4163, 4168, 4171, 4173, 4175, 4176, 4178, 4187, 4189, 4198, 4209, 4511
 P: 49, 61, 80, 448, 483, 485, 686, 687
 E: 196, 197, 199, 202(review), 206, 208, 230, 1168, 1169, 1171, 1960, 1962, 2789, 2792, 2794(review), 2801, 2802, 2808
- Opium alkaloids
 C: 857, 1119, 1184, 1212, 2109, 2115, 2117, 2121, 2359, 3454, 3680, 3681, 3709, 3786, 3798
 G: 595, 603, 605, 611, 683, 1018, 1709, 1731, 2112, 2240, 2253
 P: 420, 589
 E: 987
- Organoleptics (flavors, volatiles, odours)
 C: 1234, 1235, 1236, 1290, 1333, 2466, 3459, 4892, 4893
 G: 347, 459, 564, 640-643, 645-653, 682, 683, 689, 692, 693, 718, 745, 762, 767, 804, 809, 811, 986, 989, 999, 1005, 1133, 1135, 1139-1149, 1161, 1256, 1447, 1450, 1522, 1581, 1736-1743, 1746, 1748, 1770, 1785, 2077, 2211, 2259, 2262-2271
 P: 204, 632, 758
 E: 2625, 3279
- Organometallic compounds, reviews and books
 C: 3491
 G: 1603, 1609
- (other)
 C: 886, 3487, 3490
 G: 133, 481, 484, 1597, 1601
 P: 395
 E: 1105, 3160
 see also Coordination compounds; Porphyrins and metalloporphyrins; Tin, organic; Ferrocenes
- Oxazines
 C: 2135, 2138
 P: 149
 E: 3211
- Oxazoles and isoxazoles
 C: 2639
- Oxazolines
 C: 4583
- Oxidoreductases, acting on the C-OH group of donors (E.C. 1.1.-.-)
 C: 688, 689, 691, 693-695, 702, 705, 707, 1989, 1994, 3252, 3254, 3256, 3257, 3261, 3263, 3264, 3275, 4474, 4476, 4481, 4536
 E: 100, 604, 609, 618, 619, 1493, 1502, 1503, 2265, 2274, 3044, 3047-3049, 3096
- , —, structural studies
 C: 1829, 4366
- , acting on aldehyde or keto group of donors (E.C. 1.2.-.-)
 C: 688, 689, 696, 3284, 4478, 4479
 E: 2283
- , —, structural studies
 C: 3097
- , acting on CH-CH group of donors (E.C. 1.3.-.-)
 C: 692, 704, 710, 2003, 3255, 3272, 3280, 4256, 4480
 E: 606, 608, 617, 1492, 2272, 2280, 3046
- , —, structural studies
 E: 608
- , acting on CH-NH₂ group of donors (E.C. 1.4.-.-)
 C: 708, 2004, 3271, 3273, 3279
 E: 613, 2282
- , —, structural studies
 C: 1827
- , acting on CH-NH group of donors (E.C. 1.5.-.-)
 C: 2001, 4537
 E: 3097

Oxidoreductases, acting on reduced NAD or NADP as donor (E.C. 1.6.-.-)

C: 701, 1988, 1995, 3262, 3276, 4473, 4475

E: 605, 607, 1499, 2076, 2275, 3050

—, —, structural studies

E: 1241

—, acting on a haem group of donors (E.C. 1.9.-.-)

E: 1500, 2277, 2278

—, —, structural studies

E: 1504

—, acting on H₂O₂ as acceptors (E.C. 1.11.-.-)

C: 698, 709, 712, 1985, 1986, 3258, 3274, 3282, 3287, 3288, 4482, 4486

E: 611, 616, 1494, 2267, 2269, 2279

—, —, structural studies

C: 1815

—, acting on single donors with incorporation of oxygen (oxy-
genases) (E.C. 1.13.-.-)

C: 1991, 1993, 1997, 1998, 3253, 3259, 3268

E: 1498, 1501, 2271, 2273, 3052

—, —, structural studies

C: 4363

—, acting on paired donors with incorporation of oxygen into one
donor (hydroxylases) (E.C. 1.14.-.-)

C: 690, 697, 699, 703, 1987, 1992, 1996, 1999, 2000, 2219, 3251, 3260, 3265, 3267, 3270, 3277, 3281, 3289, 4472, 4477, 4483, 4487

E: 612, 614, 615, 1491, 1496, 1497, 1505, 2268, 2270, 2284, 2288, 3045

—, —, structural analysis

C: 711

E: 612

—, acting on superoxide radicals as acceptor (E.C. 1.15.-.-)

E: 620, 1340, 1495, 2287

—, other and incompletely identified oxidoreductases (E.C. 1.99.-.-)

C: 706, 713, 2004, 3193, 3269, 3283, 4484, 4485

E: 618, 1506, 2266, 2286, 3051, 3054

—, —, structural analysis

C: 1840

E: 1506

—, activity measurements

C: 700, 1993, 2002, 2901

P: 481

E: 714

Oxo compounds, general techniques

C: 219, 1373, 1381, 1418, 2835, 4146

P: 7, 479

—, aliphatic aldehydes and ketones

C: 240, 1514, 1560, 1562, 1563, 1885, 2643, 2834, 2836, 2837, 4138, 4139, 4141, 4143, 4144, 4145

G: 283, 312, 315, 316, 319, 905, 910, 913-915, 1440, 1442-1446, 1448, 1451, 1792, 2011-2015, 2293

E: 195, 1946

—, cyclic aldehydes and ketones

C: 241, 244, 1561, 2002, 2455, 2798, 2829-2832, 4142, 4144

G: 212, 313, 320, 321, 904, 908, 916, 930, 1214, 1447, 1449, 1450, 2007, 2009, 2011

P: 47, 48, 204, 238, 425, 446, 679, 758

E: 7, 1129

Oxygen

G: 701, 1251, 1801, 1803, 2314, 2315

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Panthenic acid and coenzyme A

C: 2159, 4604

Papaveraceae alkaloids (excluding opium alkaloids)

C: 3441

P: 142, 326, 717

Penicillins (including carbapenem antibiotics)

C: 165, 927, 931, 932, 934, 938, 940, 945, 952, 969, 971, 2183, 2191, 2195, 2196, 2210, 2211, 3549(review), 3552, 3559, 3570, 4634, 4635, 4637, 4647

P: 558(review)

E: 3224

Peptide (and amino acid) antibiotics

C: 949, 968, 972, 2181, 2184, 2193, 2199, 2212, 2437, 3537, 3543, 3545, 3548, 3553, 3557, 3571, 3572, 4353, 4641, 4650, 4651

P: 160, 161, 340, 551

E: 2866

Peptides

C: 479-518, 1774-1814, 3055-3091, 4328-4359

G: 1571

P: 129-133, 312-315, 524-528, 712-714

E: 301-318, 1215-1239, 2007-2024, 2853-2869

—, reviews and books

C: 65, 157, 3080, 3081, 4293, 4332, 4334

E: 1232, 1879, 2857

—, techniques

C: 482, 507, 508, 515, 523, 525, 1021, 1750, 1753, 1757, 1759, 1775-1777, 1779, 1783-1787, 1789, 1792-1795, 1797, 1800-1802, 1811, 1830, 1853, 1855, 1870, 1878, 2052, 2053, 2268, 2629, 2639, 2705, 3056-3058, 3060, 3062, 3072, 3074-3077, 3079, 3082-3084, 3090, 3109, 3120, 3125, 3954, 4313, 4328, 4333, 4338, 4340, 4342, 4344-4347, 4349, 4351, 4352, 4354, 4359

P: 314, 518

E: 81, 145, 151, 296, 300-302, 306, 307, 311, 312, 318, 931, 1138, 1213, 1215, 1217, 1219, 1220, 1224, 1228-1231, 1235, 1237-1239, 1249, 1264, 2007, 2009, 2013, 2015-2017, 2019, 2021-2023, 2038, 2047, 2057, 2716, 2756, 2844, 2855, 2858, 2861-2864, 2867-2869, 2874, 2882

—, —, dansyl derivatives

C: 4527

P: 528

—, applications, non-biological

C: 480, 500, 502, 509, 516, 1786, 1788, 2705, 3064, 3066, 3087, 3244, 4335

P: 315, 527

E: 1216, 1236, 2240

—, —, microorganisms

C: 505, 1799, 3070, 3089, 3252, 4343

P: 132, 524, 526

E: 2011

—, —, plants

C: 3243

Peptides, applications, animal material

C: 293, 479, 484, 485, 491, 495, 499, 501, 503, 506, 510, 511, 514, 677, 802, 805, 1803, 1805-1810, 1814, 2053, 2169, 2420, 3065, 3068, 3071, 3078, 3086, 3091, 3199, 3387, 4330, 4336, 4348, 4351, 4353, 4356, 4358

G: 1571

P: 122, 129-131, 133, 136, 312, 313, 525, 528, 712, 713

E: 303, 304, 308, 309, 314-316, 569, 577, 653, 721, 1108, 1221, 1223, 1225, 1227, 1233, 1995, 2008, 2012, 2168, 2469, 2853, 2856, 2860, 2866

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—, —, food products

C: 484, 1225, 1226, 1774, 2614, 3083, 4341, 4346, 4350

Peroxides

C: 239, 391, 1158, 1559, 1635, 1653, 1656, 1658, 1671, 1672, 2641, 2960, 2896, 2929, 3616, 4137, 4254

G: 428, 961, 2056

P: 100, 187, 479

Pesticides

C: 975-995, 2215-2233, 3574-3593, 4654-4678

G: 496-551, 1043-1079, 1618-1671, 2132-2192

P: 165-167, 347-351, 563-574, 723-727

E: 946-948, 2587-2589, 3225-3228

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C: 981, 1241, 4656, 4664, 4895

G: 496, 2133, 2145

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—, techniques and complex mixtures

C: 77, 108, 155, 975-980, 982, 1239, 2215-2217, 2233, 2470, 3574-3584, 3824, 3826, 4654, 4655, 4657, 4658, 4672, 4902

G: 171, 497, 499-506, 509, 513, 528, 537, 813, 822, 1043-1048, 1051, 1056, 1067, 1069, 1078, 1156, 1305, 1312, 1618-1632, 1653, 1753, 1755, 1929, 2132, 2134, 2136, 2138-2141, 2143, 2144, 2154, 2186, 2189

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E: 946, 3225, 3226

—, carbamates

C: 3575, 3585, 4665

G: 466, 532, 533, 1062-1065, 1657, 2165-2167, 2170, 2250

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C: 1540, 1548, 2218, 2219, 3575, 4655, 4659-4663, 4664(review)

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C: 983-985, 2221, 3575, 4661

G: 63, 142, 498, 525, 526, 529-531, 1058-1062, 1341, 1650-1652, 1654-1656, 1926, 2135, 2156-2164

P: 166, 567-569, 726

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Pharmaceutical applications

C: 1039-1221, 2261-2459, 3621-3805, 4701-4888

G: 569-636, 1088-1130, 1687-1734, 2207-2256

P: 169-203, 357-389, 580-631, 730-757

E: 952-989, 1770-1787, 2596-2616, 3235-3274

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C: 65, 102, 157, 159, 1051, 1606, 2270, 2272, 2341, 2469, 3623, 3631, 3634, 3675, 3764, 3971, 4030, 4033, 4701, 4705, 4709, 4714, 4720-4722, 4727, 4856

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—, synthetic drugs, general techniques

C: 99, 133, 136, 162, 328, 956, 1039-1050, 1398, 1399, 1501, 1725, 2261-2269, 2271, 2273-2278, 2575, 2613, 2722, 2727, 2741, 2748, 3621, 3622, 3624-3630, 3632, 3633, 3635, 3780, 3781, 3790, 3831, 4020, 4072, 4075, 4078, 4084, 4086, 4087, 4089, 4702-4704, 4706-4708, 4710-4713, 4715-4719, 4723-4726, 4728-4730, 4870, 4872, 4889, 4902

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G: 348, 371, 1000, 1088, 1102, 1419, 1679

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 C: 897, 912(review), 919, 1001, 1003-1007, 1009, 2152, 2153, 2160, 2236, 2237, 2241, 2243, 3514, 3518(review), 3519(review), 3520(review), 3527, 3596-3601, 3803, 4127, 4614, 4617, 4619, 4621, 4682, 4683, 4685, 4686, 4687, 4689, 4879
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E: 76, 468, 470, 471, 475-477, 480, 481, 485-487, 1389, 1392, 1394, 1397, 1400, 1402, 1407, 1408, 2158, 2159, 2161-2163, 2170-2172, 2174, 2589, 2705, 2975, 2977, 2979, 2981, 2982, 2984, 3276
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C: 540, 617
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- , of brain, nerves, cerebrospinal fluid and eye
C: 647-653, 658, 1964, 2492, 3157, 3216-3221, 3315, 4455, 4456
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 C: 526, 530, 1834, 3222
 E: 2031, 2213
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 C: 615, 616, 1936, 1937, 1939, 1942, 1944, 2719, 3132, 3178, 3180-3182, 3185, 3387, 4430, 4431
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- , —, structural studies
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- , of glands and gland products (except mammary gland), various zymogens
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- , —, structural studies
 C: 1956
- , of milk
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- , —, structural studies
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 E: 576, 596, 599, 1484, 1486, 1488, 2040, 2199, 2260, 2263, 2623, 3040-3042
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 C: 1835, 4371
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 C: 1117, 1212, 2310, 2331, 2333, 3684, 3702
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 C: 851, 853, 856, 2110, 2112, 2113, 2292, 3449, 3450, 3679, 3688, 3810, 4556, 4558, 4730, 4745
 P: 144, 236, 325
 E: 1753, 2577
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 C: 818-841, 2073-2100, 3405-3428, 4538-4549
 G: 451-453, 1012, 1572-1574, 2103
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 C: 823, 827, 831, 832, 834, 838-840, 1092, 1166, 1243, 2073, 2077-2079, 2082, 2084, 2092, 2094, 2096, 2099, 2100, 2106, 2382, 2391, 2435, 3405, 3406, 3409, 3412, 3416, 3425, 3721, 3727, 3742, 3748, 4832, 4834
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- , —, microorganisms
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- , —, plants
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 G: 451, 1572, 1574, 2103
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 E: 718, 720, 721, 727, 1589, 1606, 2488, 3100, 3103
- , —, food products
 C: 821, 2091, 3428
- Pyrane derivatives
 C: 3776

Pyrazines

G: 1025, 1581, 1721, 1736

P: 147, 329

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Pyrethrins (and other natural insecticides)

C: 993, 2230, 2231

G: 1071, 1076, 1077, 1341, 1659, 1666, 1669, 1701, 2176, 2190-2192

P: 574

Pyridine and piperidine derivatives

C: 104, 870, 1178, 2134, 3932, 4577

G: 458, 1580

P: 329

E: 203, 935, 936, 3216

—, carboxylic acids

C: 1178, 2132-2134

E: 2739

see also Nicotinic acid and derivatives

Pyridoxine, see Vitamins, B₆ group

Pyrimidines, see Purines, pyrimidines, nucleosides, nucleotides

γ-Pyrone derivatives, see Flavonoids and γ-pyrone derivatives

Pyrroles, pyrrolidines and pyrrolidones

C: 867, 872, 1494

G: 1203

P: 332

see also Bile pigments; Porphyrins and metalloporphyrins

Pyrrolizidine and pyrrolizide alkaloids

C: 3448

G: 454

P: 321, 716

E: 3214

Q

Quinoline and isoquinoline alkaloids

C: 4094, 4554, 4563

Quinolines and isoquinolines

C: 873, 976, 1373, 2137, 3467, 3468, 4319, 4880

G: 1024, 1582, 2119

P: 147, 329, 366, 380

Quinolizidine alkaloids

C: 855

Quinones

C: 194, 246, 905, 2370, 2817, 2827, 2828, 3799, 4142, 4879

P: 442, 447, 682

R

Radioactive and other isotope compounds

C: 1273, 1291, 2265, 2544, 2545, 2828, 3866, 3905, 3906, 4301, 4819, 4944, 4953, 4961

P: 13, 211, 212, 258, 319, 357, 401-403, 588, 649-654, 770-773

E: 1069, 2656, 2670

Radiopharmaceuticals

C: 2434

P: 654

Radioprotective agents

C: 2428

Rare earths

C: 1279, 1284, 1296(review), 2499, 2503, 2723, 3868, 3869, 3874, 4942, 4955, 4957, 4975

G: 490, 1170

P: 216(review), 398-400, 766

E: 1012, 1016, 1141, 1801, 1805, 3288

Rauwolfia alkaloids

C: 852, 4555

P: 718

Repellents, see Larvicides, insecticides

Resins, aminoaldehyde

C: 1014

—, phenolic

G: 1085

—, polyester

C: 1019, 1025

G: 1673, 1686, 1768

—, polyethylene and polypropylene glycols

C: 1027, 1031, 1032, 1197, 2254, 4691, 4696, 4697

G: 2199

—, poly(vinyl acetate)

C: 3607

—, poly(vinyl chloride)

G: 249, 293, 558, 1685

—, poly(vinylidene fluoride)

G: 1219

—, poly(vinylpyrrolidone)

G: 555

see also Acrylic resins; Epoxy resins; Polyolefins; Rubber (natural and synthetic); Styrene polymers

RNA, reviews

C: 1876

E: 748, 1095, 1868, 2390, 2501, 2726, 2741

—, techniques

C: 104, 844, 2088, 3429, 3430, 3433, 3992, 4550

E: 92, 711, 756, 1600, 1662, 1865, 1939, 2050, 2382, 2383, 2385, 2388, 2389, 2391, 2395, 2407, 2421, 2674, 3106, 3112, 3132

—, applications, non-biological applications (*in vitro* processing)

C: 3413

E: 377, 379, 393, 663, 668, 732, 734, 737, 739, 741, 742, 746, 747, 750, 751, 753, 754, 758, 760, 762, 763, 767, 769, 771-774, 776, 779, 780, 782, 786, 798, 801, 807, 857, 913, 1192, 1314, 1438, 1529, 1592, 1593, 1596, 1597, 1599, 1601, 1604, 1605, 1608, 1612, 1616-1621, 1624-1626, 1629, 1630, 1633-1637, 1639-1642, 1749, 2090, 2093, 2370, 2375, 2376, 2379, 2392, 2393, 2397, 2399, 2401, 2404, 2405, 2408-2410, 2412-2415, 2417-2419, 2422, 2424, 2436, 2455, 2457, 2484, 2523, 2567, 3107, 3109, 3110, 3113-3116, 3118, 3120, 3121, 3123, 3141

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C: 843, 3434, 4551

E: 784, 823, 1594, 1614, 1622, 1623, 1628, 2376, 2377, 2400, 2402, 2441, 3112, 3194

—, —, plants

C: 1908, 3418

E: 735, 738, 758, 765, 804, 1598, 1638, 2372, 2406, 2425

RNA, applications, animal material

C: 842, 3431, 3432

E: 273, 374, 388, 515, 516, 561, 572, 576, 603, 733, 736, 737, 740, 743-746, 749, 755, 757, 759, 761, 762, 764, 766, 768, 770, 775-779, 781-783, 801, 826, 922, 1595, 1597, 1602, 1603, 1606, 1607, 1609-1613, 1615, 1627, 1631, 1632, 1636, 1656, 1691, 2279, 2371, 2373, 2374, 2378, 2380, 2381, 2384, 2386, 2387, 2394, 2396, 2398, 2403, 2404, 2411, 2412, 2416, 2420, 2422, 2423, 2516, 2527, 2558, 2925, 3004, 3105, 3108, 3109, 3111, 3113, 3117, 3119, 3122, 3167, 3192, 3200

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P: 320

E: 759, 772, 779, 852-859, 1692-1697, 2376, 2420, 2498-2500, 2501(review), 2502, 2561, 3172

Rodenticides

C: 991, 4674

G: 440

Rubber natural and synthetic (inclusive pyrolysis products)

C: 2256

G: 489, 568, 1086, 2202

Rubidium, see Alkali metals

S

Saponins and sapogenins

C: 217, 2448, 2450, 2455, 4276

G: 2074

P: 110, 111, 376, 707

Selenium compounds, inorganic, see Cations, inorganic, analytical group IIb

—, organic

C: 459, 3489, 3492, 3854

G: 486, 1032, 1036, 2096, 2125, 2316

Sexual attractants, see Pheromones

Sialic acids, see Glycosaminoglycans

Silicium compounds, inorganic

C: 3902

G: 48, 742

—, organic

C: 2146

G: 566, 1038, 1084, 1607, 1608, 1930, 2126, 2129, 2194, 2204

Silver, see Cations, inorganic, analytical group I and IIa

Snake venoms, see Venoms, snake

Sodium, see Alkali metal

Soil pollution

C: 333, 423, 430, 989, 1246, 1247, 1248(review), 1537, 1734, 2222, 2224, 2764, 2773, 2786, 3827, 3857, 4149, 4667, 4911, 4980

G: 183, 205, 230, 243, 285, 328, 462, 471, 480, 482, 518, 521, 535, 550, 655, 672, 674, 851, 856, 864, 881, 946, 993, 1030, 1055, 1058, 1066, 1069, 1150, 1156-1158, 1221, 1358, 1367, 1391, 1397, 1413, 1425, 1426, 1606, 1629, 1642, 1652, 1759, 1852, 1904, 1944, 1959, 1983, 1984, 1989, 2019, 2122, 2123, 2151, 2183, 2185, 2192, 2281, 2297

P: 33, 116, 240, 543, 571

E: 2630, 2662, 3227

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C: 1084, 1088

G: 416, 590, 992, 1127, 2214

Specific binding proteins (receptors)

C: 142, 570, 621, 657-677, 793, 1177, 1476, 1592, 1891, 1916, 1964, 1966-1976, 2878, 3168, 3224-3241, 3249, 3302, 3315, 4435, 4459-4468, 4510

E: 262, 357, 366, 390, 458, 540-591, 780, 927, 1301, 1306, 1314, 1434, 1444-1479, 2081, 2105, 2220-2252, 2259, 2399, 2648, 2933, 3024-3037, 3119, 3121, 3122

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C: 519, 656, 667, 1820, 1823, 1826, 1839, 1845, 4460

E: 581, 1248

Sphingolipids (sulfatides, gangliosides, ceramides, cerebroside)

C: 358, 370, 371, 374, 376, 380, 382, 383, 1577, 2940, 2953(review), 4248, 4253

P: 58, 61, 63, 65, 69, 72, 78, 84, 91, 96-99, 263, 265, 271, 275, 278, 284, 286, 461, 465, 469, 474, 475, 477, 480, 483, 484, 487, 494, 496, 695-698, 701, 702

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Stabilizers, see Plasticizers and stabilizers

Starch components

C: 30, 291, 1584, 3475, 4176

G: 369

E: 1173, 2578

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Steroid alkaloids

C: 4553

Steroids

C: 392-413, 1673-1698, 2961-2981, 4255-4273

G: 392-405, 962-979, 1508-1521, 2057-2063

P: 101-109, 290-297, 498, 499, 704-706

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G: 270, 962

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G: 970

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G: 960, 1853, 1854

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C: 334, 403, 404, 406, 1522, 1690, 1693, 2971, 2973, 2974, 4269

G: 399, 404, 1517, 2060

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C: 368, 402, 405, 406, 1688, 1689, 1691, 1695, 1696, 1990, 2972, 4264, 4265, 4268(review), 4277

G: 400, 401, 403, 637, 972-978, 1517-1521, 2058, 2059, 2061, 2062, 2257, 2308

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- Strontium, *see* Alkaline earths
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- G: 584
- Styrene polymers (inclusive pyrolysis products)
- C: 1017, 1024, 1026, 1033-1035, 2259, 2671, 2757, 3603, 3606, 3608, 4013, 4698
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- C: 4885
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- Sulphonamides
- C: 154, 1130, 1134, 1138, 1140, 1142, 1145, 1146, 1150, 1159, 1196, 2277, 2362, 2377, 2380, 3717, 3719, 3733, 3737, 4809, 4824-4826
- G: 551, 1120, 1717, 1766
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- G: 1465
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- Sulphur compounds, inorganic
- C: 2495, 2531, 2535, 3836, 3887, 3892, 3895, 3896, 3899, 4235, 4909, 4981, 4989, 4995, 5001, 5006
- G: 706, 1027, 1181, 1804, 2319
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- C: 651, 877-879, 4272, 4587, 4591, 4855
- G: 1260, 1586, 1771, 2121
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G: 1716
- , transferring acyl- and aminoacyl groups (E.C. 2.3.-.-)
C: 719-721, 2005, 2013, 3295, 3301, 4536
E: 1512, 2274, 2291-2294, 3056, 3096
- , transferring glycosyl residues (hexosyl and pentosyl transferases) (E.C. 2.4.-.-)
C: 722, 2011, 3296-3298, 3303, 4490
E: 621, 622, 626, 677, 1508, 1511, 2289
- , transferring alkyl or aryl groups (E.C. 2.5.-.-)
C: 714, 715, 2007, 3290-3292, 3299, 3302, 3304, 4488, 4489
E: 624, 1509, 1578, 2290, 2446, 3055
- , —, structural studies
C: 1818
- , transferring nitrogenous groups (E.C. 2.6.-.-)
C: 717, 3294, 3295
E: 625, 627, 1507, 1510, 2272, 2345
- , —, structural studies
C: 4364
- , transferring phosphorus containing groups (E.C. 2.7.-.-)
C: 696, 723-742, 2014-2028, 3180, 3305-3318, 4492-4500
E: 388, 404, 628-644, 688, 750, 1514-1534, 2107, 2274, 2295-2310, 3057-3061
- , —, structural studies
C: 532, 1816, 1831, 1841, 3318
E: 642, 1242, 2306
- , transferring sulphur containing groups (E.C. 2.8.-.-)
C: 2008, 2009, 3293
- , —, structural studies
C: 1846
- , other and uncompletely identified
E: 623
- , activity measurements
C: 716, 731, 835, 2006, 2011, 2012, 3420, 4489
E: 395, 396, 404
- Triazoles
E: 948

Tropine alkaloids

- C: 850, 2119, 2122, 3440, 3442, 3444, 3453, 3455, 3700, 3782, 4865, 4873
- G: 1576, 2113, 2114
- P: 324, 536
- E: 933

Trypsin inhibitor (antitrypsin)

- C: 596, 685, 1901, 2135, 3204, 3243, 3248, 3760, 4409, 4470
- E: 223, 601, 2261

—, structural studies

- C: 1828, 1911

Tuberculostatics

- C: 1160, 2371, 3724, 4813
- P: 368

Tungsten, *see* Cations, inorganic, analytical group IIb

U

Ubiquinones (coenzyme Q)

- C: 921, 1522, 3531

Uranium, *see* Actinides and uranium

Urea and urea derivatives

- C: 447, 1724, 1726, 1751, 2098, 2566, 4302, 4928
 - G: 466
- see also* Thiourea

Urethanes and polyurethanes (including pyrolysis products)

- C: 3003, 4690
- G: 557, 560, 1556, 2206

Uric acids

- C: 2083, 2097, 2098, 3466
- E: 718, 3103

Uricosuric drugs

- C: 3464, 3767

V

Vanadium, *see* Cations, inorganic, analytical group IIb

Vasoconstrictors

- C: 1722, 2290, 2426, 3695, 3755, 4784

Vasodilators (including coronar vasodilators)

- C: 960, 1060, 1064, 1074, 1079, 1087, 2124, 2286, 2288, 2301, 2304, 2308, 2318, 2358, 3551, 3667, 4752, 4763
- G: 587, 995, 1099, 1101, 1694, 2218, 2220
- P: 177, 362

Venom, snake

- C: 638, 1958, 1984, 2055, 2061, 3199-3201, 3207, 3209, 3369, 4429, 4451, 4452, 4454
- E: 81, 313, 509, 513, 1563, 2189, 3009

—, —, structural studies

- C: 3094, 3200, 3206

—, other

- C: 1810, 1962, 3085, 3086, 3208
- E: 1426, 2192, 3002, 3010

—, —, structural studies

- C: 531, 3208
- E: 2192

see also Proteins, of glands and gland products; Toxins, proteinous; individual enzyme types

Vinca alkaloids

- C: 2124
- P: 673

Vitamins (for vitamin protein complexes, *see* Specific binding proteins)

- C: 891-921, 2151-2179, 3497-3534, 4599-4625
- P: 153, 154, 337, 719
- E: 944, 945, 2581, 3223

—, reviews and books

- C: 907, 912, 2179, 3518-3520, 3532, 4615

—, techniques for fat soluble vitamins

- C: 2157, 3502, 3504, 3532, 4601, 4625
- G: 1612
- P: 719

—, techniques for water soluble vitamins

- C: 916, 3464
- P: 719
- E: 945, 3223

—, A group (including synthetic retinoids)

- C: 240, 891, 892, 896-898, 908, 912(review), 917, 919, 2152, 2153, 2155, 2158, 2160, 2162, 2165, 2168, 2173, 2176, 2241, 3498, 3500, 3503, 3512-3514, 3516, 3517, 3518(review), 3519(review), 3520(review), 3522-3525, 3527, 3534, 4600, 4603, 4607, 4612, 4617-4619, 4621, 4630, 4682, 4689
 - G: 492, 1040, 1612, 1615
 - E: 2581
- see also* Pigments, natural (and fluorescent substances)

—, B₁

- C: 916, 2166, 2170, 3508
- P: 337

—, B₂ and other flavins

- C: 916, 2166
- P: 337

—, B₃ group

- C: 2166
- P: 337

—, B₆

- C: 916, 2166, 3501
- P: 337

—, B₁₂ group (Cobalmin)

- C: 894, 2166, 2177, 4599
- G: 1613
- P: 337
- E: 565

—, biotin group

- C: 905, 3509

—, C group

- C: 893, 916, 920, 1608, 2169, 2566, 3506, 3521, 3530, 4605, 4611
- P: 236

—, D group

- C: 893, 898, 904, 907(review), 910, 918, 2151, 2167, 2171, 3505, 3526, 3533(review), 3534, 4620, 4622, 4630
- G: 402, 933, 956, 1042, 1610-1612, 1614, 1616
- P: 153, 154

—, E

- C: 240, 898, 900-903, 909, 913, 914, 1005, 2153, 2154, 2156, 2164, 2169, 3497, 3515, 3523, 3524, 3531, 4608, 4612, 4624, 4630

G: 495, 1612, 1615, 2308

Vitamins, K group

C: 898, 915, 2161, 2828, 3507, 3510, 4606, 4610, 4612

G: 1612

Volatiles, flavours, odours, see Organoleptics

W

Water

C: 4913, 4977

G: 1182

Water analysis and pollution

C: 210, 216, 423, 430, 975, 985, 987, 1239, 1243-1245, 1267, 1271, 1490, 1529, 1548, 1563, 1745, 2215, 2216, 2218, 2221, 2223-2225, 2227, 2230, 2233, 2467, 2468, 2470, 2483, 2501, 2511, 2517, 2531, 2544, 2764, 2773, 2794, 2797, 2919, 2920, 3047, 3576, 3578, 3579, 3581, 3582, 3585, 3587, 3823-3826, 3878, 3885, 3898, 4123, 4281, 4288, 4587, 4654, 4657, 4666, 4669, 4671, 4677, 4820, 4899-4912, 4916, 4985, 5001, 5003

G: 51, 63, 66, 163, 164, 215, 216, 231-233, 238, 250, 253, 283, 289, 290, 292, 297, 300, 319, 364, 431, 435, 465, 496-498, 505, 520, 522, 523, 528, 534, 541, 547, 654, 656, 657, 665, 667, 669, 671, 676, 749, 812, 813, 851, 868, 906, 993, 1001, 1049, 1054, 1061, 1069, 1078, 1153-1155, 1159, 1165, 1181, 1312, 1362, 1377, 1390, 1396, 1399, 1425, 1466, 1552, 1553, 1587, 1589, 1592, 1643, 1646, 1650, 1654, 1660, 1661, 1749, 1754-1757, 1762, 1770, 1852, 1904, 1905, 1946, 1951, 1956,

1973, 1998, 1999, 2030, 2046, 2108, 2133, 2137, 2143, 2144, 2160, 2171-2174, 2184, 2219, 2275-2280, 2297, 2301, 2310

P: 56, 116, 301, 347, 348, 390, 571, 572

E: 997, 998, 1010, 1812, 2628, 2629, 2666, 2783, 2839, 3222, 3281, 3296, 3305, 3306

see also individual polluting compounds

Water analysis and pollution, reviews

C: 1238, 1240-1242, 1248, 2469, 3882, 4895

G: 670

Waxes

C: 207, 321, 2791

G: 1416

P: 38

X

Xanthine alkaloids, see Purine alkaloids

X - ray contrast media

C: 3763

E: 985

Z

Zinc, see Cations, inorganic, analytical group III

Zirconium, see Cations, inorganic analytical group III

PUBLICATION SCHEDULE FOR THE 1996 SUBSCRIPTION

Journal of Chromatography A

MONTH	Oct. 1995	Nov. 1995	Dec. 1995 ^a	
Journal of Chromatography A	715/1	715/2 716/1 + 2 717/1 + 2	718/1 718/2	The publication schedule for further issues will be published later.
Bibliography Section				

^a Vol. 701 (Cumulative Indexes Vols. 652–700) expected in December.

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(Detailed *Instructions to Authors* were published in *J. Chromatogr. A*, Vol. 657, pp. 463–469. A free reprint can be obtained by application to the publisher, Elsevier Science B.V., P.O. Box 330, 1000 AH Amsterdam, Netherlands.)

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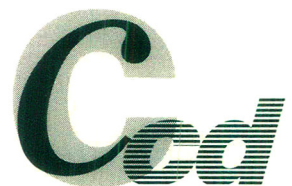
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