

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 (L), Gas chromatography (G), Planar chromatography (P), Gel electrophoresis (E) and Capillary electrophoresis and electrokinetic chromatography (C) 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. A, Vols. 860 and 861.

A

- Acaricides**
L: 1967, 2111, 4142
- Aconitum alkaloids**
L: 711
P: 114
- Acridines**
L: 1841, 1847, 2921
- Acrylic resins (inclusive pyrolysis products)**
L: 844, 849, 1422, 3032, 3041, 3042, 4163, 4165
G: 338, 340, 341, 445, 778, 783, 786, 1113, 1238, 1244, 1538, 1651, 1652, 1660, 1751
E: 687
C: 1240
- Actinides and uranium**
L: 1066, 1169, 2222, 2253, 3219, 3225, 3231, 4386, 4388, 4390, 4394, 4426, 4429
C: 941, 1306, 1307
- Adrenergic and adrenergic blocking agents**
L: 173, 863, 884, 886, 892, 893, 898, 899, 903, 1177, 1267, 2032, 2034, 2037, 2039, 2043, 2102, 2410, 2418, 3066, 3074, 3430, 4203, 4210, 4215, 4216, 4223
G: 346, 348, 349, 793, 1248, 1253, 1268, 1665, 1675
P: 290, 593, 595, 596, 598, 599
C: 381, 447, 449, 853, 855, 858, 894, 1059, 1253, 1584, 1592, 1595
- Aflatoxins**
L: 213(review), 1321, 2454
P: 25(review), 217-219, 362
C: 165(review)
- Agrochemicals (other than pesticides)**
L: 1969, 4044
P: 432
C: 1655
- Air pollution**
L: 193, 403, 757, 1289, 2201, 2473, 3526, 3527, 4055, 4341-4347, 4435
G: 97, 130, 135, 139-141, 150, 152, 154, 172, 229, 239, 260, 262, 264, 408, 410-416, 555, 598, 599, 620, 637, 698, 770, 829, 831-840, 908, 1033-1035, 1038, 1076, 1087, 1089, 1135, 1209, 1284, 1290, 1293, 1294, 1470, 1478, 1479, 1483, 1486, 1496, 1571, 1592, 1605, 1698, 1699, 1701, 1705-1715
P: 489
C: 411, 515, 1554
see also individual polluting compounds
- Alcohols, aliphatic**
L: 200, 202, 248, 1299, 1337, 2332, 2442, 3165, 3488-3490
G: 122, 157, 158, 181, 442, 506, 619, 620, 899, 910, 943, 1070, 1071, 1073-1075, 1077-1079, 1114, 1273, 1386, 1448, 1461, 1503-1507, 1543, 1673, 1758
P: 462, 479
C: 1067, 1331, 1366
- , cyclic
L: 33, 203, 204, 1275, 2462, 4123
G: 1072
C: 93, 160, 1066, 1106, 1621
- Aldehydes, see Oxo compounds**
- Alkali metals**
L: 1056, 1070, 2225, 2233, 2334, 2360, 3400
C: 113, 495, 503, 928, 935, 939, 1225
- Alkaline earths**
L: 1056, 2252, 2334, 3220, 3221, 3400, 4391, 4403, 4420, 4437
C: 113, 495, 503, 925, 928, 935
- Alkaloids**
L: 701-717, 1829-1834, 2906-2916, 4028-4039
G: 1601, 1602
P: 113-118, 268, 269, 423-425, 558-564
C: 379-384, 803-809, 1207-1209, 1544-1548
- , reviews and books
L: 213
C: 165, 384
P: 25
- , theory and general techniques
L: 714, 1834, 2193, 2910, 2915, 3162, 3355, 3387, 4038, 4039
P: 113, 173, 428, 429, 464
C: 142, 642, 1208, 1393
- , other
L: 705, 716
G: 257, 1275, 1601
P: 116, 561
see also individual alkaloid species

- Allergens**
 L: 2722
 G: 474
 E: 1601, 1628
 C: 1290
- Aluminium, see Cations, inorganic, analytical group III**
- Amides, imides and related compounds**
 L: 388, 1411, 1497, 1498, 2413, 2425, 2601, 2620, 3186, 3689, 3705
 G: 187, 1103, 1586, 1588, 1589
 P: 190, 543
 E: 4, 2238
- Amines**
 L: 384-403, 1484-1499, 2601-2621, 3687-3708
 G: 241-249, 699-702, 1156-1159, 1585-1592
 P: 93-99, 251, 252, 403-405, 541-544
 E: 2237, 2238
 C: 233-243, 698-705, 1101-1110, 1459-1464
- , reviews and books
 L: 64, 2612, 3700
 C: 61
- , theory
 G: 884
 P: 349
- , general techniques
 L: 386, 1202, 1263, 1275, 1488, 1489, 2342, 2602-2604, 2606, 2607, 2611, 2614, 2643, 3203, 3687, 3691, 3696, 3697, 3699, 3701
 P: 404
 C: 21, 75, 137, 233, 235, 702, 1009, 1101-1104, 1459, 1462, 1639
- , aliphatic amino alcohols and quaternary bases
 L: 401, 972, 1493, 1499, 1527, 2604, 2606, 2613, 3156, 3708
 G: 156, 1158, 1159
 P: 95
 C: 235, 1107, 1110, 1274
- , alkyl
 L: 1018, 2610, 3692
 G: 700-702, 1319, 1585, 1592
- , cyclic, techniques and theory
 L: 385, 388, 1182, 1485, 1486, 1491, 1492, 2356, 2599, 2605, 2923, 3689
 G: 247, 1156, 1587
 P: 4, 148, 189, 251, 252, 272, 358, 403, 478, 542, 544
 C: 236, 237, 388, 698, 1063, 1105, 1106, 1108
- , applications
 L: 381, 387, 389, 991, 1484, 1487, 1490, 2608, 2624, 2636, 3688, 3690, 3693, 3694
 G: 242-246, 248, 1235, 1590, 1591, 1748
 C: 240
- , polyamines and their derivatives
 L: 384, 1619, 2609, 2612(review)
 G: 699, 1157
 P: 93, 96
 C: 234, 699
- Amino acids**
 L: 404-422, 1500-1530, 2622-2644, 3709-3736
 G: 250-253, 703-707, 1160-1167, 1593-1599
 P: 100-104, 253-260, 406-411, 545-547
 E: 74, 774, 775, 1454-1456
 C: 244-259, 706-718, 1111-1121, 1465-1476
- Amino acids, reviews and books**
 L: 55, 64, 111, 174, 414, 1511, 3278, 3399
 P: 102
 C: 61, 147, 171, 249, 428
- , techniques and theory
 L: 32, 99, 102, 168, 172, 408, 410, 411, 413, 420, 1143, 1180, 1263, 1275, 1485, 1488, 1503, 1505, 1510, 1513, 1515, 1516, 1518, 1520, 1522-1524, 1528, 2420, 2421, 2623, 2626, 2628, 2631, 2633, 2638, 2639, 2641, 3357, 3446, 3712, 3713, 3718, 3719, 3722, 3723, 3727, 3728, 3730, 3732, 3735
 G: 105, 1165
 P: 100, 104, 142, 259, 260, 353, 408-410, 486, 545
 E: 74, 774, 1456
 C: 21, 78, 125, 142, 150, 154, 216, 235, 245, 246, 248, 250, 252, 253, 256, 259, 509, 584, 607, 631, 703, 706-711, 715, 716, 718, 1009, 1111, 1112, 1115, 1121, 1322, 1396, 1400, 1406, 1466, 1467, 1471, 1473, 1476
- , applications, non-biological
 L: 308, 379, 406, 415, 1510, 2644, 3736
 G: 251, 253, 703, 909, 1595, 1596
 P: 95, 100, 101, 258, 292, 546
 E: 196
 C: 712, 1468, 1470, 1474
- , enzymatic reactions
 L: 2608, 2624, 2636
 G: 706, 1163
- , food
 L: 1484, 1501, 1520, 1530
 G: 705, 1530, 1739, 1740
 see also Food analysis
- , microorganisms and plants
 L: 2603, 2632
 G: 707, 1161, 1162, 1166, 1167
 P: 103, 256
 C: 220
- , blood
 L: 405, 418, 420, 421, 1500, 1504, 1506-1509, 1512, 1519, 1521, 1525, 1573, 2625, 2634, 3709, 3711, 3720, 3724, 3729, 3735
 G: 1164, 1583, 1593, 1594, 1599
 P: 547
 C: 244, 715, 1113, 1117, 1120, 1465
- , urine
 L: 1528, 2627, 3536
 G: 1160
 P: 547
 C: 1028, 1113
- , other biological material
 L: 406, 409, 412, 418, 1411, 1502, 1518, 1528, 1573, 2629, 3710, 3715, 3725, 3731
 G: 250, 704
 P: 253, 255, 257
 E: 775
 C: 247, 717, 1113, 1486
- , derivatives, dansyl and dabsyl
 L: 416, 417, 1513, 1517, 3709
 P: 8, 409
 C: 250, 252, 258, 631, 1114

Amino acids, derivatives, DNP and TNP

- L: 181, 2642
- C: 584, 631, 636
- , —, OPA
 - L: 404, 420, 445, 1502, 1510, 1512, 1522, 2631, 3724, 3733
 - G: 158
 - C: 78, 255, 1475
- , —, PTH, PTC
 - L: 1505, 1527, 1530, 1584, 2622, 3710, 3717
 - C: 607, 714, 730, 1396
- , —, other
 - L: 407, 410, 418, 1485, 1509, 1510, 1515, 1518, 1521, 1522, 1528, 2603, 2627, 2628, 2630-2632, 2634, 2640, 2643, 3733
 - G: 1583, 1597, 1598
 - C: 248, 254, 708-710, 716, 1112, 1116, 1121, 1465, 1471
- , —, with a modified sulphur function
 - L: 1500, 1510, 1521, 2631
 - C: 1120
- , iodinated
 - L: 419
- , metal complexes
 - L: 1513, 1529, 1858, 2261
 - C: 259
- , unusual
 - L: 422, 972, 979, 1271, 1522, 1523, 1526, 2198, 2637, 2644, 2924, 2925, 3555, 3712, 3714, 3716, 3721, 3726, 3730, 3733, 3734, 3997, 4306
 - G: 252, 253
 - P: 159, 160, 254, 406
 - E: 74, 2238
 - C: 251, 257, 713, 1028, 1116, 1118, 1119, 1210, 1293, 1469, 1472

Amino-glycosidic antibiotics (gentamycin, kanamycin, lincomycin, neomycin, streptomycin, paromomycin)

- L: 764, 767, 775, 1883, 1898, 1926, 1935, 1937, 1944, 2966, 2983, 2990, 2991, 4104

Ammonia

- L: 1018, 3692
- G: 1319
- C: 935

see also Nitrogen compounds, inorganic

Amphetamines, see Psychostimulants**Anabolics**

- L: 2568, 3510
- G: 219, 681-684, 813, 1130, 1558
- P: 86

Anaesthetics

- L: 173, 396, 930, 1221, 2056, 2058, 2060, 2063, 2082, 2094, 3098, 3101, 3104, 3109, 4227, 4309
- G: 350, 353, 805, 1062, 1257
- P: 88, 152
- C: 632, 873, 875, 897, 1597

Androstane derivatives, techniques and theory

- L: 2312, 2578
- , applications, non-biological
 - G: 668, 670
 - P: 416
- , —, biological
 - L: 360, 1450, 1453, 1454
 - G: 214-217, 667, 669, 1128, 1129

Anions, inorganic

- L: 1078-1087, 2254-2275, 3259-3272, 4434-4455
- G: 483-485, 877
- P: 628
- C: 509-518, 944-958, 1314-1323, 1648-1655
- , —, techniques
 - L: 735, 1045(review), 1079, 1081-1084, 1157, 1188, 1199, 1238, 1284, 2221, 2245, 2254, 2260, 2261, 2263, 2267, 2271, 2272, 2274, 2275, 2279, 2334, 2360, 3201, 3202, 3240(review), 3250(review), 3259, 3261, 3264-3269, 3271, 4332, 4347, 4353, 4400, 4411, 4436, 4442, 4444-4446, 4448, 4452
 - P: 124, 625, 626(review), 628
 - C: 64, 88, 219, 220, 428(review), 494(review), 498, 499, 505, 507(review), 509-511, 513, 516, 518, 521(review), 561(review), 562, 567(review), 571(review), 899, 903(review), 904(review), 909(review), 911(review), 913, 923(review), 929, 936, 938, 945, 947, 948(review), 949(review), 951-954, 957, 958, 1007, 1010, 1056(review), 1224, 1305, 1309, 1314, 1317, 1318, 1321, 1322, 1329, 1339, 1449, 1624, 1625, 1640, 1648-1650, 1652-1654

see also Halides and other inorganic halogen containing compounds; Nitrogen compounds, inorganic; Phosphorus compounds, inorganic; Sulphur compounds, inorganic

Anorexic compounds, see Appetite depressants**Ansamycins (Rifamycins, Halomycins, Streptovaricin)**

- L: 779, 1903

Anthelmintics

- L: 943, 962, 1961, 1977, 2086, 2110, 2111, 2147, 3138, 3745, 4251, 4260, 4293, 4306
- G: 368
- P: 427

Anthocyanes

- L: 229, 835, 1329, 3021, 3515, 3521
- P: 300, 493
- C: 1238

Anthracycline antibiotics

- L: 1895, 1900, 4105
- C: 1608

Anthraquinones

- L: 2193, 2443, 3523
- P: 32, 35, 189
- C: 169, 668, 1073

Anti-AIDS drugs see Antiviral agents**Antialcoholic agents**

- C: 1468

Antianginal drugs

- L: 906, 2046, 2048, 3078, 3079

Antiarrhythmics

- L: 895, 2033, 2035, 2050, 3067, 3072, 4199, 4206
- P: 594
- C: 851, 859, 860

Antiarthritics, see Antirheumatics**Antiasthmatics**

- L: 2909
- E: 854

see also Antihistamines; Purine alkaloids

Antibacterials (antiseptics, desinfectants, etc.)

- L: 940, 941, 944, 961, 966, 987, 1177, 1250, 2102, 2103, 2107, 2109, 2345, 2974, 3114, 3139, 3141, 3156, 3158, 3187, 3587, 3706, 4143, 4249, 4250, 4253, 4255, 4257-4259, 4282, 4299

- G: 367, 372
P: 87, 295, 296, 306, 441, 446, 603
C: 455, 462, 880, 882, 1228, 1237, 1263, 1271, 1274
see also Antibiotics; Chemotherapeutics; Sulphonamides
- Antiasthmatics**
L: 2909
- Antibiotics**
L: 764-801, 1883-1944, 2958-2991, 4093-4121
G: 1623
P: 127-133, 276-279, 427-429, 573-576
E: 1348, 2882
C: 401-403, 822-826, 1227-1229, 1564-1568
- , *reviews and books*
L: 766, 786
C: 401
- , *general techniques*
L: 765, 768, 796, 1855, 1885, 1890, 1921, 1925, 1929, 1931, 4112, 4093, 4099, 4103, 4117
G: 1187
P: 576
C: 1227
see also individual antibiotics groups
- , *phosphorus containing*
G: 1623
- , *other groups*
L: 780, 795, 4095, 4098, 4108
G: 293, 1197
- Anticoagulants**
L: 971, 988, 4208
C: 448, 1250
see also Coumarins
- Anticonvulsants**
L: 165, 911, 914, 915, 917, 919, 934, 937, 2064, 2067, 2068, 2072, 2077, 2087, 2097, 2098, 2339, 2927, 3082, 3084, 3087, 3092, 3093, 3101, 3106, 3107, 3111, 3291, 3310, 4217, 4220, 4228, 4229, 4236, 4238, 4239
G: 376, 790, 799, 1247, 1250
P: 2, 149, 484
C: 866(review), 891, 1336, 1544, 1597-1599
- Antidepressants**
L: 95, 936, 938, 1197, 2052, 2062, 2066, 2070, 2074, 2096, 2192, 3085, 3099, 3408, 4235, 4237, 4243, 4245
G: 351, 363, 798, 1255
P: 602
C: 868, 869, 1601
- Antidiabetics, oral**
L: 978, 981, 2158, 2161, 2162, 3147
- Antiemetics**
L: 921, 933, 2171
C: 450
- Antiepileptics**, *see* Anticonvulsants
- Antifertility agents**, *see* Contraceptives
- Antifungal antibiotics**
L: 776, 1893, 1911, 1920, 1923, 4116
- Anti glaucoma drugs**
L: 905, 4285
G: 371
- Antihistamines**
L: 887, 904, 909, 924, 2065, 2079, 2187, 3080, 3086, 3095, 3096, 3140, 4201, 4203, 4237
- P: 290, 439, 606, 607
C: 103, 461, 877, 1603, 1605
- Antihypertensives**, *see* Hypotensives and antihypertensives
- Antiimmunodeficiency drugs**, *see* Antiviral agents
- Antiinflammatory agents**, *see* Antirheumatics
- Antimalarial drugs**
L: 965, 2136, 3117, 3143, 4252, 4261, 4277
G: 807
P: 604
C: 135, 843(review)
- Antimycotics**
L: 1961, 4256
P: 445
C: 1349
see also Antifungal antibiotics; Fungicides
- Antioxidants and preservatives**
L: 1033-1037, 1160, 1325, 2155, 2208, 3184, 3193, 3209-3212, 4358, 4359(review), 4360-4364
G: 435-438, 441, 849-852, 1314-1318, 1732
P: 176, 339, 470, 622
C: 487, 1097, 1628
- Antiparasitic drugs**
L: 939, 941, 947, 2106, 2146, 2152, 3154, 4254, 4260
P: 87, 295, 603
C: 455, 878, 1611
see also Anthelmintics; Antimalarial drugs
- Antiparkinsonics**
L: 923
G: 1256, 1669
P: 148
C: 863, 867, 1258
- Antiprotozoal agents**, *see* Antiparasitic drugs
- Antipyretics, analgesics**
L: 879, 880, 912, 932, 2019, 2027, 2057, 2080, 2090, 2101, 2339, 3083, 3101, 3102, 3105, 3108-3110, 4193, 4194, 4221, 4237
P: 114, 334, 600
C: 75, 444-446, 646, 861, 864, 865, 888, 1257, 1261, 1544, 1589
- Antirheumatics (antiinflammatory, antiarthritics)**
L: 53, 173, 874-883, 916, 988, 2017-2030, 2090, 2123, 2127, 3054(review), 3055-3057, 3122, 3368, 1480-4183, 4184(review), 4185-4195, 4274
G: 344, 350, 358, 439, 789, 790, 1663, 1664, 1672
P: 144-146, 285, 286, 588, 589, 590(review), 591, 592
C: 138, 150, 442-446, 458, 845, 847-850, 1250, 1586, 1587, 1588(review), 1589-1591
- Antiseptics**, *see* Antibacterials
- Antitumor antibiotics**
L: 799, 1893, 1906, 1913, 1915, 2979, 2987, 4094, 4105, 4120
G: 370
- Antitussives**
L: 887, 3102
G: 816
C: 445, 888
- Ant ulcer compounds**
L: 907, 942, 984, 2040, 2075, 2100, 3068, 4218, 4233, 4248, 4297
P: 147, 154, 606
see also Antihistamines

Antiviral agents

- L: 968, 1890, 2024, 2105, 2108, 2112, 2113, 2117(review),
2141, 2145, 2165, 2168, 3137, 3145, 3157, 4294, 4296
G: 1259
P: 363, 440
C: 847, 883(review), 892, 1269, 1272, 1609

Appetite depressants

- L: 903, 2093

Arsenic, see Cations, inorganic, analytical group IIb**—, organo-compounds**

- L: 430, 742, 1856, 2106, 2938, 3239
G: 287, 734, 1193, 1622
C: 109, 512, 1223

Asphalts, see Coal, tar and bitumens, hydrocarbons in**Aza heterocyclics**

- L: 1846, 2921

Azo and related compounds

- L: 3476

B**Bacteria, see Cells, viruses and microorganisms****—, metabolites and taxonomy, see Cells, viruses and microorganisms, metabolites and taxonomical studies****Barbiturates, see Anticonvulsants, Anaesthetics, Hypnotics****Barium, see Alkaline earths****Bee venom, see Venoms, other****Beryllium, see Cations, inorganic, analytical group III****Bile acids and alcohols**

- L: 369, 370(review), 371, 1465-1467, 2583-2586, 3665-3667
G: 223, 225, 677-680, 1132
P: 89(review), 244, 394, 395, 534
C: 231(review), 1100

Bile pigments

- L: 213(review), 4042
G: 223
C: 165(review), 810, 1549

Biopolymers and their constituents, reviews

- G: 605, 750, 1053, 1292, 1495, 1637
see also DNA; Enzymes; Proteins; RNA

Biotin, see Vitamins, biotin group**Biphenyl and derivatives**

- L: 1186, 1295, 2999, 3151, 4304
G: 138, 141, 145, 146, 148, 153, 597, 601, 602, 606, 608, 612,
615, 617, 631, 751, 844, 1036, 1045, 1047, 1049, 1051, 1056,
1057, 1066, 1452, 1472, 1481, 1482, 1487, 1488, 1491, 1492,
1498, 1517, 1518
C: 408

Bismuth, see Cations, inorganic, analytical group I and IIa**Bitter substances**

- L: 1477, 1478, 2595, 2596, 3679
G: 442
P: 250

 α -Blocking agents, see Adrenergic and adrenergic blocking agents **β -Blocking agents, see Adrenergic and adrenergic blocking agents****Boranes and derivatives of boric acid**

- L: 1857

Boron compounds, inorganic

- L: 2270, 3262, 4441

Bronchodilators

- L: 1177, 1933, 2032, 2102, 2410, 3097
G: 359
C: 445, 447, 894
see also Antiasthmatics

C**Cadmium, see Cations, inorganic, analytical group I and IIa****Caesium, see Alkali metals****Calciferols, see Vitamins, D group****Calcium, see Alkaline earths****Calcium antagonists**

- L: 2042, 2044-2046, 2048, 2187, 3076, 4204, 4205, 4209, 4211
G: 794
P: 288, 289
C: 856, 1252

Cannabis constituents, see Hallucinogens (inclusive cannabis constituents)**Capsaicin**

- L: 1008, 2185, 4325
C: 1258

Carbamates, see Pesticides, carbamates**Carbazoles**

- L: 1847

Carbohydrates (including glycoproteins)

- L: 231-272, 1338-1396, 2476-2517, 3536-3604
G: 173-175, 640-642, 1094-1099, 1525-1535
P: 36-39, 222-224, 365-371, 499-503
E: 34-52, 742-760, 1415-1434, 2196-2215
C: 172-206, 670-682, 1075-1086, 1432-1443

—, reviews and books

- L: 231, 240, 1012, 2283, 2955, 3399, 3553
G: 175
E: 1372
C: 173, 180, 186, 192, 959, 1434

—, general theory and techniques

- L: 137, 233, 235, 236, 239, 248, 250, 413, 1342, 1363, 1364,
1815, 2371, 2476-2478, 2483, 2486, 2490, 2492-2494, 3540,
3542, 3550, 3551, 3555, 3557
P: 222, 265, 366, 368, 500
E: 743, 1415
C: 176, 177, 179, 183, 187, 670, 672, 673, 1076, 1080, 1322,
1329, 1433, 1435

—, applications, non-biological

- L: 155, 249, 1353, 1375, 1815, 3541, 3546, 3547, 3554, 3939
G: 174
P: 36, 38, 265, 367
C: 45, 185, 1075

—, —, food products

- L: 1351, 1365, 2485, 3538
G: 1526, 1529, 1530, 1532
C: 481, 674, 1078

—, —, microorganisms

- L: 1774, 2488, 3545
G: 173, 1096, 1528

- P: 499
- Carbohydrates, applications, plants**
 L: 244, 1315, 2489, 3543
 G: 642, 643, 1094, 1544
 P: 37
 C: 220
- , —, animal material
 L: 238, 241, 264, 1346, 1348, 1352, 1353, 1368, 1383, 1388, 1396, 2479, 2484, 2487, 3536, 3541, 3559, 3561, 3568
 G: 641, 1095, 1505, 1527, 1533
 C: 176
- , —, derivatives, acids and lactones
 L: 231(review), 1358, 1359, 2491, 3539, 3549
 C: 173(review), 1432
- , —, alcohols
 L: 1383, 1388, 2485
 G: 1096, 1533
- , —, amino sugars
 L: 1346, 1348, 1353, 1361, 1368, 1372, 1373, 1388, 1396, 2198, 2480, 3541, 3545, 3547, 3554, 3580, 3592, 3713, 3939
 P: 224, 499
 C: 174
see also Glycosaminoglycans
- , —, deoxy
 G: 1531, 1534
- , —, methylated
 G: 1525, 1535
- , —, phosphates, *see* Phosphorus compounds, organic
- , —, sulphur containing
 L: 1338, 1361
- , —, other
 G: 640
 P: 369, 503
- Carbon**
 L: 2211
 G: 461, 1385, 1413
- oxides
 G: 1378, 1379, 1765
- Carbonyls, *see* Oxo compounds**
- Carboxylic acids**
 L: 273-314, 1397-1425, 2518-2545, 3605-3632
 G: 176-204, 643-656, 1100-1118, 1536-1549
 P: 40-49, 225-227, 372-376, 504-509
 E: 761
 C: 207-224, 683-690, 1087-1096, 1444-1453
- , reviews and books
 L: 64, 276, 279, 284, 287, 293, 304, 309, 312, 2524, 3553, 3617
 G: 187
 P: 49
 C: 61, 171, 208, 209, 211, 218, 412, 428, 684
- , general techniques and theory
 L: 248, 274, 278, 280, 281, 285, 288, 297, 300-302, 307, 354, 413, 1139, 1157, 1275, 1398, 1403, 1408, 1409, 1414, 1418, 1424, 1425, 1444, 1470, 1975, 2343, 2521, 2525, 2527, 2528, 2535, 2538, 2541, 3037, 3203, 3321, 3444, 3531, 3612, 3615, 3624, 3625, 3627, 3628, 3631, 3632, 4435
 G: 105, 1100, 1112, 1448
 P: 72, 225, 337, 504, 506, 508, 523
 C: 43, 75, 177, 207, 212, 213, 215-217, 219, 220, 224, 477, 509, 513, 584, 683, 686, 687, 912, 929, 954, 976, 984, 1004, 1007, 1010, 1087, 1088, 1090, 1091, 1093, 1094, 1322, 1329, 1331, 1339, 1351, 1444, 1445, 1448, 1449, 1451, 1649
- Carboxylic acids, higher fatty acids**
 L: 273, 275, 276(review), 277, 283, 289, 292, 295, 299, 303, 305, 306, 311, 316, 339, 1397, 1399, 1400, 1406, 1410, 1416-1418, 1420, 2519, 2522, 2529, 2530, 2532, 2537, 2543, 2544, 3606-3610, 3613, 3616, 3618-3620, 3626, 3629
 G: 649
 P: 40, 41, 44, 46-48, 50, 53, 226, 376, 479
 C: 214, 223, 609, 689, 692, 1447
- , —, simple esters
 L: 2364, 2530, 2542
 P: 42, 348, 374
- , lower fatty acids
 L: 280, 290, 293(review), 304(review), 313, 2196, 3622, 3632
 G: 188, 194, 1109, 1542
 C: 218(review)
- , non-volatile, techniques
 L: 1402, 3623
- , —, applications
 L: 280, 290, 294, 296, 314, 1401, 1403, 1405, 1410, 1411, 1422, 1423, 2196, 2360, 2361, 2518, 2520, 2523, 2534, 3614, 3621
 G: 1118
 P: 507
 C: 685, 690, 830, 1089, 1318, 1450, 1452, 1453
- , —, lactones
 L: 1414, 1415
- , oxo acids
 G: 1546
- , cyclic acids, techniques and theory
 L: 278, 281, 309(review), 386, 722, 1127, 1407, 2531, 2533, 2539, 3354
 G: 1072, 1103, 1541, 1547
 P: 24, 43, 49(review), 455
 C: 32, 152, 209(review), 210, 217, 221, 222, 604, 628, 688, 1020, 1232, 1446
- , —, applications, non-biological
 L: 282, 291, 308, 2536, 2545
 G: 179-182, 184, 203, 204, 647, 653, 656, 661, 871, 884, 1083, 1100, 1102, 1104, 1106, 1111, 1117, 1151, 1304, 1540, 1549, 1588
 P: 375
 C: 1092, 1095, 1096
- , —, —, microorganisms
 G: 189, 198, 1543
- , —, —, plants
 L: 204, 286, 310, 997, 998, 1005, 1007, 1316, 2189, 2193, 2520, 3172, 3179, 3501, 3611
 G: 185, 197, 202, 456, 643, 1101, 1108, 1110, 1148
 P: 227, 300, 361, 372, 494, 505
 C: 160, 1096
- , —, —, animal material
 L: 291, 298, 386, 991, 1412, 3605, 3630
 G: 177, 183, 186, 190, 192, 196, 199-201, 644, 646, 649, 853, 872, 1105, 1107, 1115, 1116, 1329, 1536, 1539, 1541, 1542, 1548, 1597, 1674
 P: 23
- , —, —, food products
 L: 204, 310, 3195
 G: 178, 188, 195, 211, 386, 624, 645, 648, 650, 651, 654, 655,

- 1097, 1114, 1280, 1530, 1537, 1545, 1548, 1687
 C: 160, 221, 1294
 see also Food analysis
- Cardiac depressants
 L: 2041
 C: 855
- Cardiac glycosides, techniques
 L: 2588, 3063
 P: 536
- , applications, biological
 L: 3668, 4035
 P: 309
- Cardiotonics (cardiostimulants)
 L: 3063, 4214
 C: 447, 1594
- Catechins and tannins, see Tannins
- Catecholamines, techniques
 L: 391, 395, 397, 1010, 1112, 1165, 1494, 3695
 C: 245, 700, 1109
- , applications
 L: 386, 395, 396, 398-400, 1495, 2615, 2616, 3695-3699, 3701, 3937
 P: 98, 405(review)
 C: 241, 489, 701, 702, 1462, 1463
- , metabolites
 L: 390, 395, 398, 2616
- , reviews
 L: 394, 3700
 P: 405
 C: 238, 918
- Cations, inorganic
 L: 1046-1077, 2220-2253, 3218-3258, 4378-4433
 G: 786
 P: 178-181, 323-325, 474, 475, 625-627
 E: 2181, 2182, 2898, 2899
 C: 495-508, 924-943, 1301-1313, 1635-1647
- , —, reviews and books
 L: 1045, 1048, 1061, 1859, 3240, 3241, 3250, 3336, 3398, 3437, 4397, 4412
 P: 626
 C: 494, 507, 521, 567, 571, 591, 815, 903, 904, 909, 911, 923, 931, 934, 1056, 1643, 1644
- , —, techniques
 L: 718, 1049-1054, 1058, 1060, 1064, 1071, 1074, 1076, 1188, 1238, 1284, 1649, 2221, 2226, 2229, 2232, 2234-2237, 2239, 2241, 2243, 2245, 2247, 2252, 2280, 2334, 2340, 2347, 2360, 2428, 3201, 3202, 3224, 3230, 3232, 3234, 3247, 3249, 3253, 3258, 3367, 3628, 4342, 4347, 4353, 4379-4382, 4385, 4392, 4395, 4400, 4403, 4408, 4409, 4411, 4413, 4414, 4416, 4418, 4419, 4421, 4423, 4430, 4440, 4444
 P: 180, 181, 325, 474, 475
 E: 2182, 2898
 C: 64, 113, 224, 495, 496, 498-501, 505, 508, 563, 817, 929, 932, 936, 938, 954, 1010, 1052, 1224, 1243, 1301, 1303-1305, 1309, 1310, 1314, 1332, 1625, 1636, 1637, 1639-1641, 1645, 1650
- , —, analytical group I and IIa (Ag, Bi, Cd, Cu, Hg, Pb, Pd, Tl)
 L: 718, 1055, 1067, 1077, 2220, 2226, 2228, 2238, 2240, 2242, 2244, 2334, 3227, 3235, 3237, 3243, 3244, 3248, 4380, 4403, 4427, 4428, 4454
 G: 876, 1463, 1601
 P: 181
 C: 496, 501, 930, 932, 942, 1032, 1311, 1647
- Cations, inorganic, analytical group IIb (As, Mo, Sb, Se, Sn, Tc, Te, V, W)
 L: 1059, 1062, 1069, 1073, 1087, 1856, 2180, 2248, 2250, 2938, 3226, 3233, 3236, 3237, 3239, 3242, 3251, 4383, 4398, 4407, 4424, 4425
 G: 283, 286, 1388, 1463, 1769
 P: 178, 181
 C: 109, 497, 501, 512, 924, 927, 933, 937, 1308, 1311, 1312, 1638
- , —, analytical group III (Al, Be, Co, Cr, Fe, Ga, Mn, Nb, Ni, Ta, Th, Ti, Zn, Zr)
 L: 718, 1055, 1063, 1067, 1068, 1075, 1247, 1863, 2223, 2226, 2238, 2242, 2246, 2251, 3218, 3222, 3223, 3228, 3235, 3238, 3245, 3248, 3256, 4384, 4389(review), 4393, 4401-4403, 4405, 4410, 4415, 4417, 4428, 4431, 4433
 G: 288, 1260
 P: 179, 181, 323-325
 C: 495, 496, 502, 745, 930, 932, 1302, 1635, 1646, 1647
 see also Actinides and uranium; Alkali metals; Alkaline earths; Platinum metals and gold; Rare earths
- Cells, viruses and microorganisms
 L: 1042, 1279(review), 1283, 1285(review), 2218(review), 2219(review), 4375, 4376
 G: 1528
 P: 322
 E: 706, 1239, 1320, 1362, 1363, 1370, 1911(review), 2176, 2177, 2178(review), 2179(review)
 C: 492, 653(review), 916, 917, 918(review), 1299(review), 1300, 1631, 1632, 1634
- , metabolites and taxonomical studies
 G: 1760
 E: 1264, 1365, 2897
 C: 288, 917
- Cellulose acetate see Polysaccharides and their constituents
- Cephalosporins
 L: 773, 784, 1889, 1901, 1902, 1929, 1933, 1939, 4096, 4113
 G: 1745
 P: 128, 129, 131, 132, 573, 575
 C: 822, 825
- Ceramides, see Sphingolipids
- Cerebrosides, see Sphingolipids
- Chelates, see Coordination compounds
- Chemotherapeutics
 L: 1843
 C: 1263
 see also Sulphonamides
- Chloramphenicol and related compounds
 L: 1891, 1928, 1938
 P: 133
 C: 1568
- Chloroplast pigments
 L: 836, 837, 1197, 1978, 1980, 3022, 3312, 4074, 4144, 4150, 4151
 G: 1603
 P: 435, 586
- Choline and derivatives
 L: 330, 336, 402, 969, 2561, 2618, 2621, 3702, 3707

- G: 1610
P: 94, 319
- Cholinergic and cholinergic blocking substances
L: 565, 3059, 3142, 4203
C: 455, 1251
see also Myorelaxants
- Chromium, *see* Cations, inorganic, analytical group III
- Chromoproteins and metalloproteins
L: 526, 536-547, 669, 1010(review), 1011, 1243(review), 1567, 1568, 1591, 1644-1655, 1822, 2470, 2756-2767, 2786, 3599, 3695, 3865-3871, 4331, 4333
E: 107, 171, 246-248, 520, 914-917, 1564, 1675-1682, 1792, 2413-2417, 2888
C: 3, 316(review), 317-323, 744-751, 918(review), 1158-1161, 1164, 1508-1511
- , structural studies
L: 469, 474, 1567, 1568, 1574, 1650, 1652, 2675, 3866
E: 210
C: 263, 1508
- Clinico-chemical applications (endogenous compounds in body fluids)
L: 152, 241, 331, 333, 350, 353, 360, 390, 405, 522, 537, 591, 632, 633, 762, 1011, 1301, 1352, 1417, 1421, 1449, 1496, 1507, 1508, 1519, 1525, 1526, 1666, 1818, 1820, 1837, 2121, 2194, 2257, 2273, 2491, 2534, 2544, 2562, 2572, 2574, 2575, 2579, 2605, 2616, 2625, 2634, 2637, 2661, 2748, 2919, 3050, 3192, 3488, 3556, 3653, 3709, 3711, 3720, 3735, 3889, 3986, 4016, 4017, 4020, 4040, 4041, 4090, 4330-4333
G: 699
E: 42, 60, 209, 211, 213, 223, 327, 338, 388, 394, 576, 585, 639, 661, 692-697, 742, 762, 901, 980, 1045, 1254, 1271, 1290, 1303, 1354-1356, 1443, 1643, 1677, 1784, 1819, 2059, 2101, 2124, 2125, 2226, 2236, 2367, 2372, 2399, 2475, 2522, 2630, 2840, 2843, 2846, 2852, 2854, 2867, 2870, 2886-2896
C: 476, 478, 495, 590, 678, 739, 742, 743, 901, 902, 1028, 1113, 1117, 1120, 1156, 1158, 1159, 1168, 1185, 1215, 1290, 1291, 1323, 1457, 1464, 1465, 1562
see also individual categories of endogenous compounds
- , reviews and books
L: 12, 139, 1010, 3273, 3440
G: 56, 808
C: 440, 1325
- , profiling body fluids
G: 92, 124, 169, 183, 190, 196, 207, 623, 646, 649, 657, 677, 680, 716, 792, 811, 818, 1042, 1062, 1095, 1115, 1128, 1254, 1262, 1276-1279, 1395, 1505, 1507, 1533, 1534, 1536, 1539-1541, 1559, 1594, 1597, 1599, 1607, 1610, 1681, 1683, 1774
C: 477
- Coal analysis
L: 2214
G: 451, 460, 465, 476, 1380, 1737, 1752
P: 21
- Coal tar and bitumens, hydrocarbons in
L: 2210, 3214, 3474, 4365, 4370, 4374
G: 475, 712, 858, 867, 1330, 1737
P: 320, 472, 488
- Cobalamins, *see* Vitamins, B₁₂ group
- Cobalt, *see* Cations, inorganic, analytical group III
- Coccidiostatics
L: 946, 2160, 2963, 3154
- Colchicum alkaloids
L: 712
P: 268
- Contraceptives
L: 1451
C: 696
- Coordination compounds
L: 743, 744, 1278, 1863-1867, 2351, 2528, 2941, 4072, 4073
G: 288, 736, 737, 876
P: 123, 124, 567-571
E: 1347, 2880, 2881
C: 47, 816-818, 1224, 1305, 1557, 1558
see also Amino acids, metal complexes
- , reviews
C: 923, 931, 934, 1644
- Copper, *see* Cations, inorganic, analytical group IIa
- Coronar vasodilators, *see* Vasodilators
- Cosmetics
L: 985, 2137, 2157, 2169, 2208, 3150, 4362
G: 107, 167, 390, 395, 636, 870, 1067, 1339, 1749, 1756
C: 893, 1270
- Coumarins
L: 997, 1136, 1330, 2461
G: 193
P: 28, 197, 216, 492, 493
- Crude oil and petroleum analysis
L: 736, 1298, 2210, 2212(review), 3473, 3481, 4373
G: 48, 62, 119, 134, 155, 263, 433, 443, 452, 454, 465, 472, 475, 477, 478, 480, 482, 582, 596, 617, 843, 858, 864-866, 869, 873, 901, 1032, 1066, 1068, 1251, 1302, 1309, 1321, 1331, 1333, 1334, 1338, 1342, 1343, 1346, 1449, 1499-1501, 1703, 1730, 1752, 1755, 1759
P: 199, 201, 320, 467
see also Hydrocarbons, complex mixtures
- Cyanates, *see* Halides and other inorganic halogen compounds
- Cyanides, *see* Halides and other inorganic halogen compounds
- Cytokinins
L: 152, 1631, 1809, 1810
C: 343
- Cytostatics
L: 705, 799, 947, 948-959, 1472, 1695, 2114-2116, 2117(review), 2118-2132, 2133(review), 2134, 2910, 2917, 3119-3135, 3179, 3676, 3770, 4120, 4263-4275, 4326
G: 369, 808, 809, 1260
P: 155-157, 567
E: 982, 2169
C: 457-459, 652, 883(review), 884-887, 926, 1244, 1264, 1265, 1485, 1608
see also Antitumor antibiotics; Purines, analogues of purines, pyrimidines, nucleotides, nucleosides

D

Desinfectants, *see* Antibacterials

Detergents, *see* Surfactants, emulsifiers and detergents

Diagnostics

L: 964, 2142

P: 39, 297

- C: 739, 1610
- Diazines**
L: 724, 730, 2183
G: 1641
C: 906
- Dioxans and dioxins**
L: 813(review), 1296, 2460, 4304
G: 164, 165, 631, 632, 1082, 1084, 1482, 1517, 1518
C: 405
- Disulphides**
L: 1849
- Diuretics**
L: 173, 396, 704, 889, 894, 897, 1150, 2140, 2418, 3061, 3062, 3069, 3136, 4198, 4291
G: 307, 748, 1274
C: 1044, 1059
- DNA, reviews**
L: 680, 1091
E: 1(book), 446, 689, 970, 1149, 1173, 1191, 1204, 1866, 1911, 1994, 2001, 2610, 2689, 2707
C: 2, 341, 367, 472, 526, 776, 1183
- , techniques
L: 495, 696, 698, 1823, 1824, 2900-2902, 4026, 4027
E: 539, 545, 550-553, 556, 558, 561, 573, 574, 577, 579, 584, 587, 588, 628, 636, 638, 656, 669, 698, 706, 724, 738, 1144, 1147, 1148, 1154, 1155, 1157, 1158, 1160, 1166, 1176, 1177, 1180, 1197, 1198, 1201-1203, 1208, 1209, 1352, 1357, 1413, 1929, 1930, 1935, 1940, 1943, 1945, 1947, 1951, 1953, 1957, 1959, 1960, 1963, 1964, 1972-1976, 1978-1982, 1985, 1986, 1991, 1996-2000, 2003-2005, 2009, 2011, 2012, 2016, 2017, 2019, 2021, 2022, 2024, 2060, 2147, 2169, 2685-2687, 2690, 2693, 2697, 2703, 2705, 2712, 2724-2726, 2730, 2731, 2737, 2738, 2758
C: 94, 288, 352-356, 490, 771-775, 777-783, 802, 1144, 1182, 1184-1187, 1191, 1420, 1525-1529, 1531
- , applications, non-biological
L: 2900
E: 167, 339, 350, 386, 483, 502, 518, 525, 546-549, 554, 555, 557, 559, 562-567, 572, 582, 583, 585, 586, 589, 599, 606, 643, 652, 676, 678, 1044, 1119, 1125, 1138, 1145, 1146, 1152, 1156, 1159, 1162, 1163, 1165, 1170, 1172, 1178, 1179, 1181-1186, 1189, 1192, 1193, 1195, 1196, 1200, 1205, 1251, 1276, 1283, 1289, 1313, 1315, 1319, 1322, 1540, 1722, 1876, 1910, 1920, 1933, 1934, 1943, 1944, 1947-1952, 1954, 1955, 1958, 1962, 1966-1969, 1971, 1983, 1988-1990, 1992, 1993, 1995, 2002, 2007, 2008, 2018, 2111, 2644, 2679, 2682, 2684, 2694-2696, 2699, 2701, 2702, 2704, 2706, 2708, 2709, 2711, 2714-2716, 2718, 2720, 2721, 2723, 2729, 2735, 2736, 2744-2746, 2751-2756
- , microorganisms
P: 112
E: 561, 568, 580, 581, 612, 1013, 1150, 1151, 1167, 1168, 1172, 1190, 1199, 1206-1208, 1931, 1932, 1937, 1938, 1941, 1942, 1956, 1961, 1965, 1970, 1977, 1978, 1981, 1987, 1996, 1999, 2010, 2013-2015, 2023, 2102, 2680, 2691, 2698, 2713, 2719, 2722, 2732, 2734, 2748, 2749
C: 780, 1202
- , plants
E: 526, 562, 642, 652, 1103, 1108, 1164, 1186, 2021, 2025, 2683, 2692, 2717, 2740, 2757
- DNA, applications, animal material**
L: 697, 1559, 1822
E: 167, 404, 427, 475, 544, 556, 560, 565, 569-571, 575, 576, 578, 585, 590, 676, 959, 1153, 1161, 1163, 1169, 1171, 1174-1176, 1179, 1185, 1187, 1188, 1194, 1312, 1313, 1329, 1936, 1939-1941, 1946, 1952, 1967, 2006, 2007, 2009, 2020, 2052, 2059, 2101, 2124, 2125, 2653, 2681, 2688, 2700, 2710, 2727, 2728, 2731, 2733, 2735, 2736, 2739, 2741-2743, 2746, 2747, 2749, 2750, 2756, 2875
C: 1185, 1530
- , chemically modified
L: 693, 698, 1821
G: 1170
E: 1146
C: 588
- , structural studies
L: 699, 1825, 2903, 2904
P: 267
E: 11, 184, 430, 432, 499, 542, 548, 554, 567, 575, 582, 598-617, 618(review), 619-654, 669, 682, 672, 696, 731, 917, 1001, 1082, 1087, 1154, 1162, 1168, 1175, 1179, 1182, 1183, 1185, 1210, 1218-1284, 1306, 1308, 1331, 1340, 1393, 1669, 1689, 1819, 1867, 1885, 1908, 1946, 1957, 2009, 2029-2041, 2042(review), 2043-2054, 2055(review), 2056, 2057, 2058(review), 2059-2080, 2081(review), 2082-2085, 2086(review), 2087(review), 2088-2096, 2115, 2119, 2120, 2139, 2152, 2169, 2272, 2555, 2688, 2690, 2742, 2698, 2765-2787, 2788(review), 2789-2803, 2804(review), 2805-2833, 2837, 2847, 2853, 2858
C: 100, 357-360, 361(review), 362-365, 366(review), 367(review), 368-374, 375(review), 376, 377, 490, 772, 773, 786-795, 800, 898, 1014, 1188-1201, 1243, 1531-1540
- , complex mixtures of DNA and RNA and DNA-RNA hydrids
E: 432, 513, 552, 599, 602, 655, 656, 669, 674, 677, 709(review), 1293, 1368(review), 2303, 2851(review)
C: 100, 798, 799, 802, 1543
- Drug monitoring and pharmacokinetics studies, reviews and books**
L: 1010, 2172
G: 227, 351, 364, 798, 799, 803, 814, 1000, 1245, 1623
see also individual categories of drugs
- Drugs of abuse (general papers)**
L: 2173, 2186, 2906, 3103, 3159, 4309
G: 375, 378, 1262, 1265, 1267, 1269, 1270, 1272, 1662, 1680
P: 298(review)
C: 471, 1278, 1602
see also individual categories of drugs
- , other
L: 291, 369, 960, 963, 970, 972, 974, 976, 980, 1407, 1561, 1631, 1844, 2139, 2150, 2155, 2166, 2170, 2501, 2961, 3140, 3144, 3146, 3151, 3155, 3760, 4281, 4283, 4284, 4287, 4292
G: 711, 801
P: 159, 160, 443, 447
E: 1865
C: 460, 849, 880, 889, 1268, 1273
- , synthetic, see Pharmaceutical applications and individual types of drugs
- Dyes, natural, see Pigments, natural**
Dyes synthetic, theory and techniques
P: 194, 584

Dyes synthetic, applications

- L: 833, 1973, 1976, 1977, 3476, 4143
 G: 1763
 P: 18, 193, 198, 206, 370, 582, 585
 C: 415, 416, 540, 831, 832, 1237, 1574
 see also Food dyes; Textile dyes (including bleaching agents)

E

Ecdysones and other insect hormones of steroid nature

- L: 2587
 C: 452

Elemental analysis (including functional group analysis)

- G: 1444, 1753

Endorphins, enkephalins and their analogues

- L: 85, 434, 1553, 4069
 C: 727

—, structural studies

- C: 730

Environmental analysis (general papers)

- L: 184, 757, 993, 1020, 1023, 1068, 1069, 1134, 1649, 2200,
 2253, 2935, 2993, 3196, 3198, 3389, 3446, 3704, 4338, 4339,
 4341, 4438
 G: 1476, 1702
 E: 1352, 2169, 2899
 C: 158, 684, 899, 1050, 1406, 1624, 1625, 1637, 1649

—, reviews and books

- L: 805, 1022, 3197, 4337, 4340
 P: 135, 136, 174
 C: 404, 483, 484, 908, 909, 911

Enzymes (including activity measurement)

- L: 568-679, 1701-1808, 2794-2881, 3910-4015
 P: 110, 264, 416
 E: 322-445, 996-1079, 1780-1865, 2498-2615
 C: 331-340, 759-763, 1170-1174, 1515-1520

—, general techniques and reviews

- L: 1701(review)
 E: 996, 1492(review), 1637(review)
 C: 74, 759(review)

—, activity measurement

- L: 458, 602, 658, 662, 679, 752, 1522, 1736, 1792, 2608, 2642,
 2822, 2865, 2928, 3937, 3980, 3986, 3997
 G: 23
 P: 46, 54, 63
 E: 361, 444, 1780, 1781(review), 1782(review), 1849, 1863
 C: 332, 333, 337, 338, 340, 763, 1175, 1515

—, complex mixtures and incompletely defined enzymes

- L: 677, 678, 2878-2881, 4015
 E: 373, 439-445, 1076-1079, 1854-1865, 2607-2609, 2610(review),
 2611-2615, 2863

—, —, structural studies

- L: 471
 see also individual categories of enzymes

Ephedra alkaloids

- L: 1830, 1831
 P: 17, 115, 117, 424, 564
 C: 381, 1207, 1374

Epoxides

- L: 2472
 G: 635, 1085, 1091

Ergot alkaloids

- L: 4037
 C: 379, 465

Essential oils

- L: 377, 2594
 G: 163, 235-238, 383, 688-694, 696, 697, 817, 1139-1145, 1147,
 1171, 1258, 1397, 1466, 1572-1582
 P: 316

Ethers, aliphatic ethers

- G: 17, 506, 968, 1089, 1346, 1519, 1523, 1654

—, cyclic ethers

- G: 171, 450, 638, 979
 C: 3

Epectorants

- P: 158
 C: 894

Explosives

- L: 378, 380(review), 1483, 2173, 2245, 3340, 3684, 3685, 4352
 G: 240, 845, 1344, 1734
 P: 91(review)
 C: 232(review), 697, 895

F

Flame retardants

- L: 2215
 G: 1348

Flavins, see Vitamins, B₂ and other flavinsFlavonoids and γ -pyrone derivatives

- L: 213(review), 214-219, 997, 1312, 1314, 1315, 1317-1319,
 1872, 2193, 2451-2453, 2458, 3172, 3505-3509
 G: 163, 627, 628, 905, 1081, 1514
 P: 25(review), 26-29, 197, 214-216, 300, 306, 307, 359-361,
 492-494, 622
 C: 165(review), 1070, 1071, 1238, 1266, 1429

Flavours, volatiles, odours, see Organoleptics

Fluorinated antibiotics

- L: 800, 1897, 2975, 2974, 3158, 4121
 P: 277
 C: 1228

Folic acid and other pteridine derivatives

- L: 745, 1845, 1870, 1872, 1879, 2949, 4077, 4087, 4092
 C: 458

Food analysis

- L: 204, 207, 223, 224, 248, 297, 310, 339, 341, 477, 682, 730,
 750, 802, 812, 820, 841, 874, 909, 1012-1014, 1016-1019,
 1034, 1037, 1262, 1302, 1303, 1309, 1313, 1322, 1324, 1334,
 1351, 1365, 1408, 1484, 1490, 1501, 1520, 1530, 1544, 1868,
 1874, 1877-1880, 1887, 1891, 1892, 1904, 1947, 1961, 1967,
 1969, 1972, 2110, 2195-2198, 2209, 2436, 2460, 2485, 2500,
 2537, 2538, 2591, 2607, 2949, 2950, 2981, 3004, 3009, 3012,
 3014, 3015, 3038, 3116, 3193, 3195, 3211, 3452, 3493, 3504,
 3511, 3521, 3525, 3543, 3640, 3647, 3662, 3745, 3827, 4032,
 4068, 4075, 4083, 4089, 4097, 4099, 4335, 4336
 G: 57, 66, 120, 146, 182, 198, 214, 226, 291, 295, 297, 304, 305,

- 307, 312, 316, 317, 320, 335, 379-381, 387, 393, 394, 398, 400, 402, 403, 435, 437, 438, 458, 630, 633, 660, 664, 665, 673-676, 697, 701, 708, 724, 731, 732, 743, 755, 758, 759, 763, 766, 769-772, 796, 819-822, 824, 826, 850, 1070, 1071, 1073, 1074, 1107, 1114, 1124-1127, 1175, 1177, 1178, 1196, 1199, 1218, 1225, 1228, 1230, 1282, 1284, 1285, 1288, 1318, 1332, 1355, 1517, 1518, 1554-1556, 1564, 1565, 1580, 1586, 1606, 1629, 1644, 1682, 1684-1686, 1688, 1690-1692, 1694, 1696, 1697, 1732, 1746, 1764
- P: 59, 140, 173, 217, 218, 520, 620, 622
- E: 93, 698, 783, 795, 797, 1963, 2171, 2342, 2396
- C: 85, 160, 161, 163, 219, 221, 224, 272, 299, 324, 481, 482, 495, 513, 674, 685, 704, 737, 829, 905-907, 1066, 1282, 1293, 1294, 1449, 1452, 1507, 1572
- Food analysis, reviews**
- L: 786, 993, 1015, 3466, 4334
- E: 2170
- C: 479, 480, 903, 904, 1292, 1622, 1623
- see also Antioxidants and preservatives; Medicated feeds; analysis of individual food constituents
- Food dyes**
- L: 832, 842, 1972, 4151
- P: 140, 283, 433, 583
- C: 831
- Free radicals**
- L: 2332
- Fullerenes**
- L: 186, 189, 2431, 2434, 3478, 3479, 3482
- G: 1385
- P: 356
- Fumigants**
- L: 2209
- Fungicides**
- L: 800, 802, 1927, 1959-1964, 2167, 2975
- G: 333-335, 744, 769-773, 1199, 1230, 1231, 1645
- P: 11, 192
- Furans**
- L: 944, 1296, 1326, 2432, 3525
- G: 400
- P: 92
- G**
- Gallium**, see Cations, inorganic, analytical group III
- Gangliosides**, see Sphingolipids
- Gases**
- G: 448, 486, 491, 494, 496, 527, 530, 531, 878, 880, 976, 1155, 1340, 1353, 1354, 1359, 1360, 1391, 1454, 1455, 1701, 1708, 1712, 1766
- Gibberelins**
- L: 2922
- G: 259
- Glucosinolates**
- L: 2930, 4056
- Glycerides, simple**
- G: 191, 210, 212, 658, 660, 662, 1083, 1123, 1124, 1126, 1127, 1555, 1556
- P: 232
- see also Carboxylic acids, higher fatty acids, simple esters
- Glycolipids**
- L: 327, 1433, 1439, 2559
- E: 2216
- P: 57, 58, 224, 382, 386, 388, 525
- see also Phospholipids; Sphingolipids
- Glycols and polyols**
- L: 201, 3487, 4355
- E: 33
- C: 1106
- Glycoproteins and glycopeptides, techniques**
- L: 129, 141(review), 251, 263(review), 425, 1257(review), 1266, 1379, 1391(review), 1395, 2346, 2515, 2516, 2517(review), 3587, 3593
- G: 320
- E: 36(review), 40, 46(review), 50(review), 51(review), 755(review), 758, 1430, 1432, 1434(review), 2202-2204, 2208, 2209, 2214
- C: 180(review), 186(review), 201, 202, 203(review), 204, 205(review), 260, 681, 682, 1084, 1085, 1086(review), 1122, 1243, 1440, 1441
- , applications, non-biological
- L: 265, 2514, 3811
- E: 38, 43, 45, 47, 52, 314, 747, 753, 754, 1429, 1433, 2212, 2213
- C: 680
- , —, microorganisms
- L: 3590, 3596, 3600
- , —, plants
- L: 1382, 3595
- E: 751, 2207
- see also Lectins
- , —, animal material
- L: 267, 268, 271, 272, 460, 1381, 1387-1389, 1393, 1394, 1634, 1646, 1669, 2487, 2512, 3571, 3584, 3586, 3588, 3591, 3594, 3599, 3601, 3891
- E: 38, 41, 42, 44, 47, 49, 82, 269, 746, 748, 749, 752, 759, 760, 767, 851, 879, 892, 1424-1428, 1431, 1433, 1634, 1734, 1777, 2206, 2211, 2447
- C: 317, 678, 679, 1442, 1443, 1516
- , structure investigation
- L: 261, 264, 266, 270, 460, 1382, 1383, 1391(review), 1396, 2487, 2489, 2494, 2709, 3585, 3597, 3604
- G: 1098
- E: 34, 51, 82, 787
- C: 200, 206, 205(review), 1084, 1243
- Glycosaminoglycans (including proteoglycans of connective tissue)**
- L: 254, 1352, 1366-1370, 1373, 1375, 1377, 1378, 1380, 1384-1386, 1390, 1569, 2496, 2497, 2499, 2506, 2509, 2517(review), 3562, 3564, 3566-3568, 3570, 3571, 3580, 3581
- P: 231
- E: 48, 535, 750, 757(review), 1416, 1417, 1419, 1421, 1444, 2196, 2197, 2205
- C: 195, 671, 676
- see also Glycoproteins and glycopeptides, applications, animal material
- , structural studies
- L: 1357, 1360, 1372, 2482, 2510, 3537, 3554, 3560, 3564
- P: 224
- C: 195, 676, 1437
- see also Carbohydrates, derivatives, amino sugars

Growth factors

L: 438, 476, 1539, 1540, 1545, 1664, 3744, 4043

G: 176, 714, 715, 718

E: 76, 77, 780, 913, 1309, 1465, 2246

C: 279

see also Pituitary hormones and proteins; Gibberelins

Gold, see Platinum metals and gold

Guanidine and guanidine derivatives

L: 1496, 2617, 3706

H

Haemostatics

L: 982

P: 214

C: 1617

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

L: 1081, 1085, 2256, 2259, 2262, 2264, 2360, 3264, 3268, 3354, 4434, 4435, 4437, 4439, 4442, 4450, 4455

G: 484, 495, 538, 877, 879, 1358, 1429

P: 628

C: 912, 944, 1317, 1655

Hallucinogens (including cannabis constituents)

L: 385, 392, 393, 990, 2178

G: 1266, 1271, 1670, 1679

P: 608

C: 465

Halogen derivatives of hydrocarbons, see Hydrocarbons, halogen derivatives

Halogens

L: 2265, 3270, 4451

G: 1359

C: 555, 946, 1319, 1320

Herbicides, general techniques

L: 159, 822, 828, 1953, 3007, 3010-3013, 3200, 4135, 4137, 4138

G: 1642

P: 137, 432

E: 685

C: 130, 413, 828, 830, 1233, 1236, 1624

—, carboxylic acid, anilides and related compounds

L: 823, 827, 829, 1956, 3009, 4131, 4139, 4140

G: 319, 321-325, 765, 768, 1221, 1644

C: 412(review), 414, 640, 684(review), 1232, 1572, 1573

—, triazine derivatives

L: 826, 1954, 1955, 1957, 1958, 3008, 4123, 4131, 4132, 4134

G: 328, 330, 515, 762, 767, 1222, 1223

P: 142, 581

C: 1234, 1235, 1372, 1405

—, urea derivatives

L: 823-825, 830, 2288(review), 3008, 3014, 3015, 3017, 4133, 4136, 4140, 4338

G: 326, 327, 332, 761, 1296

C: 829, 1230, 1231

Heterocyclics, nitrogen (other)

L: 213(review), 401, 729, 1844, 2323, 3112, 3383, 4299

G: 716, 717, 720, 1174, 1176, 1467, 1604

P: 25(review), 271

C: 165(review), 388, 540, 713, 1215, 1263

see also individual groups of nitrogen containing heterocyclics and drugs

Heterocyclics, oxygen (other)

L: 213(review), 226, 227, 1313, 1314, 1328, 3117, 3151, 3517

G: 336, 1019, 1516, 1578

P: 25(review), 30

C: 165(review)

see also individual groups of oxygen containing heterocyclics

—, sulphur (other)

L: 213(review), 3112

G: 260, 712, 721, 1179, 1182, 1233

E: 25(review), 338

see also Thiazoles and isothiazoles; Thiophenes

Histamine and related substances

L: 720, 731, 1842

E: 2237

C: 239, 703, 1216, 1460-1462

see also Imidazoles

Hormones peptidic and proteinous (including synthetic analogues)

L: 425, 452, 1545, 1548, 1558, 1679, 1743, 2648, 2667, 3744, 3747

G: 1483, 1496

E: 76, 780, 2245

C: 260, 268, 720

see also individual categories of peptidic hormones

—, synthesis and structural studies

L: 2687

E: 748

C: 679

Humic acids

L: 838, 1979, 3010, 3020, 3025, 4145

G: 379, 428, 455, 470, 1336

P: 33

E: 685, 1349, 2164, 2165, 2885

C: 418-421, 684, 1239, 1575

Hydrazines, hydrazides and hydrazones

L: 3012

G: 241

C: 242, 704

Hydrocarbons

L: 182-200, 1288-1299, 2430-2441, 3472-3484

G: 122-155, 591-618, 1031-1069, 1468-1502

P: 20, 21, 210-212, 355, 356, 488, 489

C: 156-159, 662-664

—, theory and techniques

G: 618, 1069

—, aliphatic

L: 182, 183, 1288, 2430, 2437, 3217, 3472, 4344, 4372

G: 13, 110, 122-127, 505, 506, 513, 543, 591, 840, 857, 914, 976, 1031-1034, 1368, 1373, 1395, 1442, 1465, 1468, 1469, 1707, 1765

P: 210, 355, 488

—, cyclic

L: 33, 51, 54, 76, 84, 91, 96, 106, 184, 185, 187, 188, 190(review), 191-199, 999, 1120, 1141, 1173, 1180, 1197, 1289-1294, 1304, 2307, 2308, 2314, 2342, 2345, 2356, 2369, 2407, 2430, 2432, 2433, 2435-2439, 2597, 3369, 3374, 3383, 3401, 3473-3477, 3480, 3481, 3483, 3517, 4338, 4344, 4349

- G: 24, 72, 115, 128-137, 154, 413, 421, 578, 594-596, 598, 834, 844, 866, 898, 899, 1004, 1035, 1037-1043, 1056, 1297, 1305, 1334, 1402, 1444, 1470-1480, 1489, 1700, 1707, 1715, 1719, 1721, 1731, 1759
- P: 20, 176, 199, 201, 208, 211, 212, 355, 489
- C: 127, 156-159, 619, 662-664, 698, 977, 1048, 1050, 1074, 1392, 1399, 1413
- Hydrocarbons, halogen derivatives**
- L: 24, 200, 1186, 1296, 2440, 2441, 3198, 3374, 3476, 3484
- G: 29, 130, 139-144, 147, 149-152, 154, 411, 413, 414, 416, 424, 444, 463, 495, 510, 592, 593, 600, 603, 604, 607, 609-611, 613, 614, 616, 855, 939, 1044, 1046, 1048-1050, 1052, 1054, 1055, 1058-1065, 1067, 1306, 1392, 1471, 1481, 1482, 1484-1487, 1490, 1493, 1494, 1497, 1725
- see also Biphenyl and derivatives; Pesticides, chlorinated
- , complex mixtures
- L: 2327
- G: 83, 1068, 1502, 1703, 1727, 1747
- Hydrogen**
- G: 487, 492, 493, 497, 499, 1765, 1773
- Hydrolases, acting on ester bonds (E.C. 3.1.-.-)**
- L: 553, 622-636, 1281, 1751-1770, 2837-2850, 3541, 3959, 3960, 3961(review), 3962-3965, 3967
- E: 249, 374-400, 723, 975, 1038-1046, 1808-1817, 1857, 2524, 2550-2562, 2622
- C: 50, 1172, 1515, 1516
- , —, structural studies
- L: 635, 1569, 3966, 3968
- P: 267, 554
- , acting on glycosyl compounds (E.C. 3.2.-.-)
- L: 580, 637-642, 1771-1781, 2851-2857, 3969-3976
- E: 401-409, 640, 861, 1047-1050, 1051(review), 1052, 1695, 1782(review), 1818-1825, 2563-2572
- C: 332, 334, 423, 426, 581, 1173
- , —, structural studies
- L: 2676
- E: 359
- , acting on ether bonds (E.C. 3.3.-.-)
- L: 3993
- E: 1841
- , acting on peptide bonds (E.C. 3.4.-.-)
- L: 103, 132, 506, 506, 643-645, 647-652, 655-658, 663, 1207, 1256, 1660, 1782, 1784-1789, 1791, 1794, 1795, 1798, 2858, 2860-2862, 2864, 2865, 2867, 3977-3982, 3985-3988, 3990-3992, 3994-3996, 3999
- E: 138, 142, 315, 410, 411, 413, 415, 416, 419-423, 425(review), 426-430, 874, 919, 985, 1054, 1056, 1058-1069, 1616, 1827-1833, 1835-1837, 1840, 1842, 1844, 2330, 2419, 2423, 2574, 2575, 2577-2579, 2587, 2590-2594, 2596, 2599, 2600
- C: 335, 336, 1174, 1517-1520
- , —, structural studies
- L: 462, 463, 467, 645, 3992, 3999
- E: 789, 1061, 1067, 1831
- , acting on C-N bonds other than peptide bonds (E.C. 3.5.-.-)
- L: 659, 661, 1790, 1793, 3984, 3997, 3998
- E: 412, 417, 418, 1826, 1833, 2585, 2586, 2588, 2597, 2598
- , acting on acid anhydride bonds (E.C. 3.6.-.-)
- L: 646, 653, 654, 660, 664, 1765, 1796, 1797, 1799, 2866, 2870, 3983
- E: 414, 424, 431, 984, 1057, 1070, 1838, 1839, 2573, 2580-2582, 2584, 2589, 2595
- Hydrolases, acting on acid anhydride bonds (E.C. 3.6.-.-), structural studies**
- E: 86
- , other and uncompletely identified
- L: 3989
- E: 2583
- , activity measurement
- L: 458, 658, 662, 1792, 2642, 2865, 3980, 3986, 3997
- P: 46, 54, 63
- C: 332, 333, 337, 338, 1175, 1515
- Hydroxylamines**
- L: 1482, 3704
- Hypnotics (barbiturates, sedatives)**
- L: 165, 173, 914, 916, 918, 924, 925, 935, 2056, 2097, 2339, 2927, 3084, 3093, 3094, 3111, 3291, 3310, 4234, 4239, 4240
- G: 354, 361, 362, 796, 1025, 1258
- P: 2, 294, 484, 601
- C: 470, 1044, 1262, 1336, 1544, 1597, 1599
- Hypolipidemic agents**
- L: 885, 983, 2151, 2154, 3149
- P: 161
- C: 1612
- Hypotensives and antihypertensives**
- L: 891, 897, 900, 902, 2031, 2036, 2038, 2044, 2046-2049, 3061, 3070, 3071, 3073, 3076, 4196, 4197, 4199, 4200, 4202, 4204, 4207, 4209
- G: 791
- P: 593
- C: 855
- see also Adrenergic and adrenergic blocking agents

I**Imidazoles and related compounds**

L: 724, 728, 730, 1817, 2923, 4023, 4049

C: 387, 918(review)

see also Histamine and related substances

Immunosuppressives and immunomodulatory drugs

L: 977, 1912, 1940, 2135, 2143, 2149, 2153, 2159, 2163, 2164, 2989, 3605, 3659, 4101, 4186, 4264, 4278, 4288

C: 463, 1613, 1615

see also Peptide and amino acid antibiotics

Indole alkaloids

L: 710, 2618, 4034, 4035

Indoles, techniques

L: 213(review), 721, 1494, 1838, 2923

P: 25(review)

C: 165(review), 1210-1212

—, applications

L: 204, 721, 724, 1506, 1836, 1837, 1839, 2616, 2924

P: 426

C: 160, 385, 386, 811, 812

Inhibitors of enzymic activity, proteinous

L: 139(review), 496, 528, 567, 650, 1555, 1608, 1693, 1698, 1700, 2700, 2743, 2790-2792, 3755, 3906, 3908, 3909

E: 200, 222, 314-317, 985, 987, 993, 1646, 1762, 2489, 2491

C: 330, 1505

Inhibitors of enzymic activity, proteinous, structural studies

L: 2489, 2671, 2685

E: 2248

—, non-proteinous

L: 491, 891, 900, 902, 967, 973, 1039, 1475, 1848, 1906, 1913, 1936, 1899, 2021, 2092, 2115, 2123, 2145, 2151, 2162, 2168, 2969, 2976, 2977, 3061, 3140, 3148, 3149, 3157, 3173, 3180, 3181, 4285

P: 45, 456

C: 167, 458, 867, 1258, 1263, 1283

Inks

L: 1977, 2173

P: 138, 139

C: 417

Inorganic compounds

L: 1045-1088, 2220-2276, 3217-3272, 4378-4458

G: 483-496, 876-880, 1353-1360, 1765-1772

P: 178-181, 323-325, 474, 475, 625-628

E: 2181, 2182, 2898, 2899

C: 494-518, 919-958, 1301-1323, 1635-1655

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

—, reviews and books

L: 1045, 3240, 3241, 3250

C: 494, 507, 521, 567, 571, 903, 904, 909, 911, 919-921, 923

Insulin and analogues

L: 451, 476, 1532, 1533, 1539, 1540, 2647, 2651

P: 106

E: 776, 785, 2243

C: 723

—, structural studies

P: 414

Iridoid glucosides

L: 1327, 3183

P: 220

Iron, see Cations, inorganic, analytical group III**Isocyanates and cyanates, inorganic, see Halides and other inorganic halogen containing compounds**

—, organic

L: 403

G: 248

C: 705

Isomerases

L: 671-675, 1748, 1805, 2876, 4006-4009

E: 435, 436, 1073, 2604

—, structural studies

L: 1803

L**Larvicides, insecticides**

L: 1965, 1967, 1970, 2111, 3015, 4141

G: 1232

Laxatives

L: 1974

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

—, organic

L: 2395

G: 273, 278, 729, 1619, 1620

Lectins

L: 260, 269, 1379, 1392, 2511, 2513, 2556, 3583, 3589, 3598, 3602, 3603

P: 224

E: 756, 2201, 2210, 2215

C: 1038, 1079

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

L: 676

E: 437, 906

C: 339

—, forming C-S bonds (E.C. 6.2.-.-)

L: 1807, 4010

—, forming C-N bonds (E.C. 6.3.-.-)

L: 1808, 4012, 4013

E: 2606

—, forming C-C bonds (E.C. 6.4.-.-)

L: 1806, 4011

—, other (including E.C. 6.5.-.-)

E: 2605

Lignin compounds

L: 1041, 2467, 3190, 3495, 3502, 4369

G: 160, 449, 450, 456, 816, 860, 862, 904, 1324, 1352, 1375, 1648

E: 2885

C: 1431

Lipids

L: 320-347, 1433-1448, 2551-2559, 3636-3651

G: 209-212, 658-663, 1123-1127, 1554-1556

P: 51-83, 228-241, 378-391, 510-529

E: 1435-1439, 2216

C: 226, 692-694

—, reviews and books

L: 276, 324, 326, 2555, 3636

G: 209, 663

P: 79, 383, 519

—, general techniques

L: 321, 323, 328, 335, 344, 1445, 1527, 2557, 2789, 3349, 3616, 3639, 3788

P: 52, 80, 83, 378, 379, 387, 504, 507, 523, 524

E: 1438, 2725

C: 694

—, group separation

G: 1466

P: 62

—, applications, non-biological

L: 349, 1437, 1440, 1442, 3637

G: 1724

P: 54, 55, 70, 75, 82, 85, 510, 517, 521

—, —, microorganisms

L: 1439, 1443

P: 231, 232, 512, 513, 525, 529, 555

—, —, plants

L: 341, 342

P: 71, 516

—, —, blood

L: 333, 337

—, —, milk and food products

L: 338, 339, 341, 3647, 3649

G: 738, 1125

- P: 59, 520
 see also Food analysis
- Lipids applications, other animal material
 L: 182, 322, 343, 1433, 1435, 1436, 3580, 3584, 3646, 3650
 G: 872
 P: 60, 72, 73, 82, 240, 241, 385, 518, 522, 526, 528
 C: 692
- , oxidation products
 L: 337, 340, 3640, 3645
 G: 664, 820, 1522
- Lipopolysaccharides
 L: 1438, 2558
 E: 1423, 1436, 1439
 C: 226
- , structure studies
 L: 1443
 G: 1097
- Lipoproteins (including apolipoproteins), reviews
 E: 1441
- , techniques
 L: 1560, 2560, 2561, 2565
 E: 1444, 1450, 2236
- , applications
 L: 348-353, 557, 1030, 1447, 1448, 2562-2564, 2566, 2567, 3652-3655, 3788, 4006
 P: 84, 85, 107, 411
 E: 53-73, 271, 762-772, 969, 972, 975, 1440, 1442, 1443, 1445-1449, 1451-1453, 2217-2235, 2236
 C: 227-230, 916, 1454, 1455
- , structure studies
 P: 84, 85
 see also Proteins of blood, serum and blood cells
- Local anaesthetics, see Anaesthetics
- Lubricants
 L: 2216
 P: 623
- Lyases, carbon-carbon (E.C. 4.1.-.-)
 L: 665, 670, 1748, 1800, 1801, 2608, 2872, 4005
 E: 434, 2602
- , carbon-oxygen (E.C. 4.2.-.-)
 L: 669, 4000, 4001, 4003, 4004
 E: 1846, 1847
- , —, structural studies
 E: 85
- , carbon-nitrogen (E.C. 4.3.-.-)
 L: 3923, 4002
- , other
 L: 666-668, 2871
 E: 1849, 2601
- , activity
 L: 752, 2608
 E: 1849

M

- Macrolides (including erythromycine)
 L: 771, 782, 785, 787, 788, 794, 798, 1909, 1914, 1915, 1917-1919, 1932, 1941, 2153, 2962, 2989, 3659, 4106, 4111, 4233

- C: 824
- Magnesium, see Alkaline earths
- Manganese, see Cations, inorganic, analytical group III
- Medicated feeds
 L: 777, 4117, 4144
- Melamines
 E: 2885
- Mercury, see Cations, inorganic, analytical group I and IIa
- , organo-compounds
 L: 1077, 1748, 1861
 G: 63, 269-271, 277, 279-282, 729, 730, 876, 1203, 1616-1618, 1624, 1631
- Metal carbonyls
 G: 733, 1357
- Mineral oils, hydrocarbons
 L: 1297
 P: 317
- Molybdenum, see Cations, inorganic, analytical group IIb
- Mycolic acids
 G: 652
 P: 45
- Mycotoxins, other
 L: 213(review), 220, 221(review), 222-224, 225(review), 1320, 1322-1324, 2455, 2456, 3510-3514
 G: 629, 630, 1515
 P: 25(review), 218, 495-497
 C: 165(review), 166, 167, 168(review), 1072
 see also Aflatoxins
- Myorelaxants
 L: 704, 922, 929, 969, 2073, 2091, 3059, 3142, 3430, 4280
 P: 151
 C: 1044, 1251

N

- Narcotic analgesics and antagonists
 L: 913, 4222, 4230, 4232
 G: 355, 365
 C: 1370, 1596
- Neuroleptics
 L: 910, 931, 2052, 2059, 2069, 2071, 2081, 2084, 2088
 G: 366
 C: 1256
- Neuromuscular blocking agents, see Myorelaxants; Cholinergic and cholinergic blocking substances
- Nickel, see Cations, inorganic, analytical group III
- Nicotinic acid and derivatives
 L: 1792, 1840, 1874, 2195, 2953
 G: 1291
 C: 460
- Niobium, see Cations, inorganic, analytical group III
- Nitriles
 L: 1476, 3703
 G: 778
 P: 249
 see also Nitrogen compounds, inorganic

Nitro compounds

- L: 33, 91, 378, 379, 380(review), 381, 382(review), 383, 944, 1479-1483, 2307, 2447, 2597-2600, 3467, 3681, 3683, 3714, 3731, 3739, 4213, 4343, 4344, 4352
 G: 239, 251, 698, 831, 832, 1090, 1151, 1155, 1239, 1249, 1473, 1707, 1713, 1714
 P: 92, 287-289, 334, 402, 539
 C: 157, 631, 1331, 1639

see also Explosives

Nitrogen

- G: 489, 491, 1354

Nitrogen compounds, inorganic

- L: 1078, 1081, 1086, 2257, 2258, 2266, 2268, 2269, 2273, 3260, 3264, 3268, 3272, 3354, 4342, 4435, 4436-4438, 4443, 4449, 4453

- G: 483, 485

- C: 1315-1317, 1323, 1653-1655

see also Ammonia

Nitrogen oxides

- L: 4449, 4457

- G: 1353, 1767, 1768, 1772, 1774

Nitrosamines

- G: 1150, 1152

- P: 540

Nitroso compounds

- L: 355, 3680, 3712, 4046, 4213

- G: 1153, 1154, 1583, 1584

Noble gases

- G: 491

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**

- L: 367, 1122, 1182, 2580

- G: 1562

- P: 332

- E: 773

—, applications, non-biological

- P: 242

- C: 696

—, —, biological

- L: 367, 1455-1459, 3660, 3661

- G: 219-221, 671, 1560, 1561

Oligonucleotides and polynucleotides

- L: 99, 682, 684, 948, 1531, 1811-1813, 2117(review), 2882, 2883, 2885, 2886

- P: 417

- E: 15, 448-454, 457-459, 635, 1080-1083, 1867-1869, 2616, 2617, 2621

- C: 116, 344-348, 350, 351, 765-767, 1014, 1081, 1176, 1179, 1521-1523

Oligosaccharides

- L: 232, 234, 237, 242, 243, 245-247, 251, 261, 264, 266, 638, 1016, 1339-1341, 1343-1346, 1349, 1351, 1353-1357, 1361,

- 1362, 1368, 1372, 1383, 1388, 1391(review), 1443, 1774, 2481, 2495, 2496, 2507, 2510, 2936, 3541, 3544, 3547, 3552, 3554, 3556, 3559, 3568, 3580

- G: 810

- P: 365, 370, 501

- E: 34, 35, 36(review), 39, 742, 1067

- C: 45, 172, 178, 181, 182, 184, 186(review), 188-191, 200, 205(review), 671, 672, 675, 883(review), 1077(review), 1079, 1186, 1435, 1437

Opium alkaloids

- L: 66, 707, 994, 1832, 2906, 3166, 4031

- G: 373, 797, 815, 1172, 1173, 1264, 1668

- P: 269, 342, 562

- C: 382, 888, 1544, 1545

Organoleptics (flavors, volatiles, odours)

- L: 2199, 2276, 2462, 2500, 2926, 3193, 3195

- G: 34, 57, 66, 107, 382, 384-406, 462, 541, 689, 695, 823-828, 874, 920, 1146, 1281-1283, 1285-1288, 1298, 1332, 1335, 1337, 1394, 1571, 1606, 1688, 1690-1697, 1711, 1717, 1718, 1751, 1756

- C: 1294

Organometallic compounds, reviews and books

- L: 1859

- G: 1613

- C: 815

— (other)

- L: 294, 744, 1067, 1857, 1860, 3129

- G: 729, 1187, 1188, 1611, 1614

see also Coordination compounds; Porphyrins and metalloporphyrins; Tin, organic; Ferrocenes

Oxazines

- L: 2183

Oxazoles

- L: 2324

- P: 156, 341

Oxidoreductases, acting on the C-OH group of donors (E.C. 1.1.-.-)

- L: 138, 571, 574, 575, 585, 590, 615, 1183, 1710, 1712, 1714, 1715, 1748, 2808, 2810, 2814, 2815, 3911, 3921, 3922, 3925, 3928, 3932, 3934

- E: 184, 327, 335, 336, 723, 997, 999, 1003, 1007, 1008, 1139, 1784, 1788, 1794, 2509, 2512, 2513, 2516, 2518

—, acting on aldehyde or keto group of donors (E.C. 1.2.-.-)

- L: 588, 1713, 1726, 2806, 3919

- E: 202, 1001, 1004, 2498, 2499, 2502, 2517, 2631

—, acting on CH-CH group of donors (E.C. 1.3.-.-)

- L: 570, 583, 1702, 1703, 3910

—, —, structural studies

- L: 3915

—, acting on CH-NH₂ group of donors (E.C. 1.4.-.-)

- L: 1724, 1725

- E: 1785, 1793

—, acting on CH-NH group of donors (E.C. 1.5.-.-)

- L: 568

—, —, structural studies

- L: 461

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

- L: 572, 579, 591, 1706, 1707, 1719, 2802, 2816, 3912, 3917, 3933, 3935, 4077

- E: 338, 340, 1789, 1796, 2507, 2508568

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

- 1.6.-.-), structural studies
L: 2677
- , acting on other nitrogenous compounds as donor (E.C. 1.7.-.-)
E: 332
- , acting on the sulphur group of donors (E.C. 1.8.-.-)
L: 3927, 3935
E: 339, 1010
- , on a haem group of donors (E.C. 1.9.-.-)
E: 1015, 2511
- , acting on H₂O₂ as acceptors (E.C. 1.11.-.-)
L: 578, 589, 1704, 1705, 1711, 2797, 2804, 2805, 2807, 2811, 3920
E: 324, 329, 334, 1783, 1786, 1790, 1791, 1797, 2504, 2506
C: 71, 1170
- , —, structural studies
L: 3914
- , acting on single donors with incorporation of oxygen (oxygenases) (E.C. 1.13.-.-)
L: 582, 3926
P: 110
E: 454, 1000, 1012, 1016, 2505
- , —, structural studies
L: 3913
- , acting on paired donors with incorporation of oxygen into one donor (hydroxylases) (E.C. 1.14.-.-)
L: 569, 573, 576, 577, 584, 586, 587, 1708, 1709, 1716-1718, 1721, 3916, 3918, 3923, 3930, 3931
E: 248, 322, 323, 328, 331, 333, 337, 1005, 1006, 1787, 2503, 2510
- , —, structural studies
E: 793
- , acting on superoxide radicals as acceptor (E.C. 1.15.-.-)
L: 1720
E: 325, 326, 1002, 1011, 1017
- , other and uncompletely identified oxidoreductases (E.C. 1.99.-.-)
L: 581, 1723, 2809, 3924, 3929, 3931
E: 1014, 1375, 1795, 2514, 2515
- Oxo compounds, reviews and books
L: 64, 2524
C: 61, 171
- , general techniques
L: 2466, 3526, 3527, 3531, 3533, 3628
C: 669, 1050, 1331, 1430
- , aliphatic aldehydes and ketones
L: 200, 340, 1332, 1333, 1336, 1337, 2463-2465, 2469, 2473, 2474, 3522, 3530, 3534, 3535, 3629, 3634
G: 166, 168-170, 172, 415, 506, 511, 634, 637, 639, 899, 968, 1070, 1087, 1088, 1092, 1093, 1114, 1283, 1350, 1372, 1443, 1520-1522, 1524, 1747, 1751
P: 221, 364
C: 667
- , cyclic aldehydes and ketones
L: 33, 54, 944, 998, 1136, 1311, 1331, 1415, 2190, 3185, 3525, 3528, 3532
G: 167, 633, 636, 1086, 1090
P: 486
C: 1020, 1074, 1096
- Oxygen
L: 1088
G: 488, 490, 491, 1354, 1378, 1407, 1493, 1773

P

- Panthenic acid and coenzyme A
L: 1881
P: 125
- Papaveraceae alkaloids (excluding opium alkaloids)
L: 244, 713
P: 425
- PCR products, see Polymerase chain reaction (PCR) products
- Penicillins (including carbapenem antibiotics)
L: 769, 770, 778, 783, 789, 791, 793, 1887, 1888, 1896, 1904, 1922, 1924, 1899, 2958, 2968, 2985, 2986, 2988, 4107, 4119
C: 1229, 1564, 1566, 1568
- Peptide (and amino acid) antibiotics
L: 792, 801, 1557, 1886, 1905, 1910, 1912, 1928, 1934, 1940, 4095, 4098, 4101, 4106, 4118
E: 2882
C: 1613
- Peptides
L: 423-458, 1531-1563, 2645-2669, 3737-3775
P: 105-109, 261, 262, 412, 413, 548-553
E: 75-78, 776-785, 1457-1465, 2239-2247
C: 260-283, 719-728, 1122-1132, 1477-1490
- , reviews and books
L: 111, 142, 426, 3399
E: 1473
C: 171, 265, 297, 846, 1037, 1128, 1142
- , techniques
L: 73, 95, 148, 374, 423, 428-430, 433, 441, 450, 453, 455, 457, 494, 1196, 1197, 1240, 1382, 1514, 1531, 1532, 1535, 1538, 1541, 1546, 1550, 1556, 1557, 1560, 1564, 1589, 1882, 2337, 2627, 2630, 2645, 2649, 2652-2654, 2657-2661, 2664, 2666, 2668, 2674, 3290, 3387, 3449, 3468, 3741-3743, 3751, 3753, 3754, 3758-3760, 3762, 3765-3767, 3770, 3774, 3775, 3791
P: 105, 107, 142, 412, 413, 551, 552
E: 78, 176, 779, 781, 782, 784, 851, 1458, 1461, 1915, 2240, 2247
C: 32, 36, 154, 261, 262, 264, 266, 267, 271, 273, 275-278, 280-283, 289, 301, 325, 550, 564, 719, 721, 725-728, 731, 991, 1025, 1030, 1119, 1122-1126, 1129-1132, 1335, 1371, 1380, 1382, 1402, 1421, 1425, 1441, 1473, 1479, 1481, 1483-1486, 1489-1491, 1556
- , applications, non-biological
L: 407, 438, 440, 444, 446-448, 454, 458, 535, 662, 1543, 1547, 1555, 1561, 2131, 2141, 2646, 2662, 2665, 2669, 3134, 3737-3739, 3746, 3749, 3756, 3772
P: 261
E: 77, 132, 300
C: 251, 263, 270, 337, 338, 1474, 1478, 1480, 1488
- , —, microorganisms
L: 262, 424, 439, 456, 1536, 1542, 1563, 1614, 1927, 3740, 3748, 3761, 3764, 3773
P: 108
E: 176, 864, 1457
- , —, plants
L: 445, 1534, 2656
E: 782, 1459
C: 269, 1127
- Peptides, applications, animal material
L: 151, 412, 431, 435, 441, 1541, 1549-1551, 1557, 1559, 1567,

- 1882, 2650, 2655, 2663, 3743, 3750, 3757, 3771, 3763, 3768, 4057
P: 548, 549
E: 75, 132, 218, 777, 778, 1460, 1462, 1463, 1599, 1668, 2239, 2241, 2244
C: 247, 274, 720, 722, 1482, 1486
see also Hormones peptidic and proteinous; Pituitary hormones and proteins; individual types of peptide hormones
- , —, food products
L: 1544, 3745, 3752, 3769
E: 783
C: 272, 1487
- Peroxides**
L: 306, 337, 354-356, 1444, 3645
G: 666, 1557
- Pesticides**
L: 802-831, 1945-1971, 2992-3018, 4122-4142
G: 294-336, 741-773, 1198-1233, 1624-1645
P: 134-137, 280-282, 430-432, 577-581
E: 2883, 2884
C: 404-414, 827-830, 1230-1236, 1569-1573
- , reviews and books
L: 174, 805, 1945, 4124
P: 135, 136, 578
E: 2884
C: 404, 1570
- , techniques and complex mixtures
L: 65, 134, 156, 159, 499, 802-804, 806-811, 1026, 1946-1948, 1957, 1968, 2992-2998, 3198, 3199, 3389, 4066, 4122, 4123
G: 294-303, 331, 332, 336, 741-743, 745, 746, 763, 767, 1198-1202, 1205, 1225, 1228, 1233, 1415, 1625-1630, 1632, 1633, 1753
P: 14, 134, 200, 280, 430, 432, 577, 579
E: 1352, 2883
C: 405-407, 413, 628, 827, 1569
- , carbamates
L: 802, 812, 818-821, 1952, 1961, 3003-3006, 4123, 4129, 4130
G: 760, 1116, 1219, 1220, 1641
P: 432
C: 411
- , chlorinated
L: 802, 812, 813(review), 1296, 1949, 2440, 2999, 3000, 4122, 4125, 4126
G: 130, 148, 304-306, 308-313, 747, 749-755, 1036, 1053, 1206-1213, 1215-1217, 1435, 1472, 1634-1637, 1700
P: 281, 282, 580
C: 409, 828, 1571
- , phosphorus
L: 812, 814-817, 1262, 1950, 1951, 3001, 3002, 4123, 4127, 4128, 4131
G: 266, 314-318, 320, 756-759, 1204, 1214, 1218, 1638-1640
P: 281, 431
C: 410
- Petroleum hydrocarbons**, see Mineral oils, hydrocarbons in
- Pharmaceutical applications**
L: 857-1009, 1998-2193, 3045-3191, 4171-4329
G: 342-378, 787-817, 1244-1275, 1655-1680
P: 142-172, 285-316, 436-466, 587-619
E: 689, 690, 1352, 1353, 2168, 2169
C: 427-475, 835-900, 1242-1289, 1577-1621
- , reviews and books
L: 55, 56, 122, 174, 231, 858, 861, 870, 1010, 1235, 1998, 2000, 2004, 2010, 2014, 2286, 2406, 3052, 3278, 3284, 3399, 3460
G: 1657
P: 143, 328
C: 46, 99, 147, 171, 173, 427, 428, 430, 434, 438, 440, 522, 638, 648, 835-837, 839, 843, 844, 846
- , synthetic drugs, general techniques
L: 97, 127, 143, 164, 173, 359, 702, 770, 857, 859, 860, 862-869, 871-873, 875, 890, 1156, 1259, 1999, 2001-2003, 2005-2009, 2011-2013, 2015, 2016, 2044, 2175, 2194, 2300, 2329, 2333, 2339, 2387, 2394, 2405, 3045-3051, 3053, 3316, 3453, 3457, 3656, 4171-4179, 4301
G: 231, 345, 445, 577, 711, 725, 787, 795, 810, 1194, 1246, 1260, 1273, 1655, 1658, 1660
P: 16, 17, 142, 205, 336, 436, 437, 587, 625
E: 1484, 2168
C: 85, 106, 108, 126, 131, 132, 136, 144, 149, 235, 246, 429, 431-433, 435-437, 439, 441, 442, 454, 597, 608, 628, 633, 637, 641, 643, 656, 681, 767, 838, 840-842, 845, 885, 1058, 1060, 1132, 1151, 1242, 1243, 1245-1249, 1254, 1276, 1389, 1410, 1416, 1577-1585
- , systematic analysis and screening programs
L: 2175
G: 193, 814, 1036, 1172, 1609, 1661, 1677
- , complex mixtures
G: 1036, 1157, 1216, 1656, 1736
- , auxiliary compounds (excipients)
L: 875
G: 1261
C: 442
- Pharmaceutical and cosmetic dyes**
L: 2446, 4151
C: 1106
- Pharmacokinetic studies**, see Drug monitoring and pharmacokinetic studies
- Phenols**, reviews and books
L: 3279
- , theory
P: 334, 349, 358
C: 990, 1339, 1366
- , techniques
L: 54, 1148, 1182, 1205, 1302, 1307, 1310, 2403, 2444
G: 157, 159, 161, 960, 1509, 1587
P: 4, 186, 252, 352, 478, 479, 487
E: 1414
C: 81, 164, 1106, 1624
- , applications
L: 28, 205-212, 355, 1009, 1034, 1035, 1300-1306, 1308, 1309, 1311, 2349, 2443, 2445-2449, 2458, 3172, 3198, 3209, 3212, 3293, 3356, 3467, 3491-3504, 4123, 4335, 4343, 4360
G: 135, 162, 450, 463, 621-626, 1080, 1304, 1311, 1508, 1510-1513, 1748
P: 22-24, 197, 213, 307, 490, 491, 498
E: 2885
C: 89, 161-163, 221, 640, 665, 666, 998, 1006, 1068, 1069, 1426-1428, 1639

Pheromones

G: 853, 1362

Phospholipids

L: 320(review), 322, 325, 329-332, 336, 337, 347, 741, 1434, 1436, 1439, 1527, 2551, 2554, 2559, 3051, 3468, 3584, 3638, 3641, 3642, 3644, 3648

G: 659, 665

P: 42, 51(review), 53, 55, 56, 62, 63, 65-68, 73, 77, 78, 83, 95, 230, 233, 235, 237, 238, 240, 241, 380, 381, 386, 391, 437, 512-515, 517, 522, 555

E: 761, 1366, 1437

C: 693

see also Sphingolipids

Phosphorus compounds, inorganic

L: 1080, 2255, 3263, 3354, 4437, 4438, 4447

G: 1184

C: 514, 515, 517(review), 955(review), 956(review), 1273, 1444

—, organic, techniques

G: 349

—, —, applications

L: 330, 336, 689, 737-741, 743, 1016, 1277, 1443, 1813, 1848, 1852-1854, 2480, 2644, 2932-2937, 3163, 3200, 3268, 3545, 3644, 4022, 4051, 4062-4069

G: 249, 725, 726, 859, 1755

P: 122, 240, 253, 257, 261, 264, 273-275, 363, 499, 548, 552

E: 74, 196, 296, 774, 779, 1346, 1366, 1461-1463, 1485, 2239, 2247

C: 300, 325, 396-398, 706, 762, 1007, 1116, 1219, 1221, 1479, 1481, 1555, 1556

see also Purines etc.; Phospholipids

Pigments natural (and fluorescent substances)

L: 747, 834, 835, 839-842, 1468, 1975, 2190, 2443, 2554, 3019, 3021, 3023, 4082, 4146-4149

G: 1603

P: 141, 283, 434, 493, 507

C: 422, 833, 1238

Piperazines

L: 3745

Pituitary hormones and proteins

L: 436, 442, 449, 1537, 1552

P: 109, 550

E: 2242, 2243

—, synthesis and structural studies

L: 1554, 1562

Plant extracts, reviews and books

P: 301

—, general techniques

L: 1006

—, applications

L: 181, 230, 312(review), 373, 375, 995-1005, 1007-1009, 1160, 1238, 1286, 1294, 1300, 1308, 1328, 1475, 1830, 2132, 2154, 2184-2193, 2443, 2589, 2592, 2603, 2608, 2624, 2636, 2690, 3070, 3170-3191, 3356, 3417, 3611, 3676, 4311-4329, 4356

P: 32, 35, 39, 90, 114, 163-172, 197, 215, 245, 256, 300, 302-316, 359, 361, 396, 397, 453-466, 493, 494, 498, 505, 608-619

E: 690, 1078, 1486, 2359

C: 169, 170, 210, 216, 269, 473-475, 645, 665, 807, 809, 1073, 1208, 1282-1289, 1429, 1617-1621

Plasticizers, stabilizers (including other additives)

L: 3030, 4153

G: 434, 439, 513, 786, 788, 1733-1736

C: 1049

Plastics and other synthetic polymers (including intermediates)

L: 843-856, 1981-1997, 3026-3044, 4152-4170

G: 1646-1654

P: 284

E: 686-688, 1350, 1351, 2166, 2167

C: 423-426, 834, 1240, 1241, 1576

—, reviews and books

L: 1982, 1983, 2284, 3033, 3034, 4166

E: 2166, 2167

—, techniques and theory

L: 843-848, 850, 852-854, 856, 1151, 1985-1989, 1992, 1995-1997, 2388, 3026-3031, 3036-3041, 3044, 3307, 4152, 4154, 4157, 4159-4161, 4164, 4168-4170

P: 284

E: 686, 688

C: 424, 834, 1055, 1066, 1240, 1241, 1576

see also individual types of plastics

Platelets agents

G: 811, 1163

Platinum metals and gold

L: 3254, 3255, 4387, 4427

E: 2181, 2899

C: 504, 926, 940, 1642

Polyamides, polyimides and their intermediates

L: 885

G: 903

Polyamines, see Amines, polyamines and their derivatives**Polycarbonates**

G: 338, 847, 1083

Polyene antibiotics

L: 1908, 1923, 4110

E: 1348

Polyether antibiotics

L: 781, 1936, 2964, 4115

Polyethers

L: 1334

G: 776, 1242

Polymerase chain reaction (PCR) products

L: 700, 1827

E: 183, 483, 490, 499, 505, 508, 517, 522, 559, 572, 578, 594, 607, 616, 637, 639, 642, 644, 646, 649, 654, 657-668, 670-673, 675, 676, 678-683, 691-697, 1087, 1133, 1143, 1149, 1180, 1189, 1210, 1217, 1229, 1230, 1232, 1236, 1247, 1268, 1281, 1285-1292, 1294-1300, 1301(review), 1302-1345, 1354, 1355, 1863, 1871, 1879, 1880, 1884, 1885, 1891, 1908, 1922, 1989, 2013, 2026, 2031, 2037, 2059, 2075-2079, 2097-2136, 2137(review), 2138-2163, 2627, 2630, 2650, 2686, 2702, 2720, 2734, 2741, 2800, 2815, 2818, 2832, 2836, 2839, 2840, 2842-2844, 2846, 2847, 2852, 2854, 2857, 2862, 2865, 2867, 2870, 2877-2879, 2886, 2887, 2889-2891, 2894-2896

C: 340, 357, 358, 364, 366(review), 377, 378, 771, 782, 785, 796, 797, 800, 801, 901, 902, 1202-1206, 1542

Polynucleotides, see Oligo- and polynucleotides**Polyolefins**

L: 850, 1993, 3035, 4155

G: 145, 285, 779, 915

- Polyoxyethylene and related polymers (inclusive pyrolysis products)**
 G: 1234, 1654
- Polysaccharides and their constituents**
 L: 244, 253, 255-258, 2498, 2500, 2501, 2503, 2505, 3043, 3558, 3563, 3565, 3569, 3574, 3578, 3579, 3582
 G: 642
 P: 37, 39, 223, 371
 E: 37-39, 745, 2198, 2199
 C: 193, 194, 196, 198, 199, 423, 675, 677, 1081-1083, 1436, 1439
see also Starch components
- , structural studies
 L: 1342, 1376, 2488
 E: 34, 39
 C: 190
- Polyurethanes, *see* Urethanes and polyurethanes**
- Porphyrins and metalloporphyrins**
 L: 213(review), 718, 1835, 2917, 2919, 4040, 4041
 P: 25(review), 119
 C: 165(review), 559, 1244
- Potassium, *see* Alkali metals**
- Pregnane derivatives, techniques**
 L: 85, 362, 364, 1449, 1452, 2312, 2573, 2576, 2577
 P: 86
 C: 695, 1098, 1456
- , applications, non-biological
 L: 359, 365, 366, 876, 2028, 2154
 P: 87, 88, 392, 443
 C: 1097
- , —, biological
 L: 360, 361, 363, 1451, 2572, 2574-2576, 2579, 3659
 G: 1128, 1131
 C: 1457
- Propellants**
 L: 3685
 G: 1155, 1734
- Prostaglandins and thromboxanes**
 L: 315-319, 1399, 1426-1432, 1446, 1842, 2519, 2546-2550, 3633-3635
 G: 205-208, 657, 1119-1122, 1550-1553
 P: 50, 377
 C: 225, 691
- Protamines, histones and other nuclear proteins (including chromatin proteins)**
 L: 1642, 1643, 2753-2755, 3864
 E: 240-245, 669, 674, 677, 909-913, 939, 1098, 1118, 1669-1674, 1870, 2260, 2402-2412
- , —, structural studies
 L: 467
 E: 243
- Proteins**
 L: 475-567, 1575-1700, 2689-2793, 3784-3909
 G: 708, 1168
 P: 263, 415, 555, 556, 1472-1779
 E: 89-321, 794-995, 2256-2497
 C: 284-330, 731-758, 1136-1169, 1494-1514
- Proteins, reviews and books**
 L: 10, 111, 141, 142, 149, 150, 475, 481, 1091, 1092, 1257, 1577, 1582, 1583, 2289, 3785, 3844, 3850
 P: 415
- E: 2, 24, 90, 94, 96, 97, 103, 105, 110, 111, 708, 801, 804, 808, 823-825, 1407, 1473, 1475, 1478, 1479, 1481, 1486, 1487, 1492, 1495, 1500, 1529, 1531, 1549, 1560, 1637, 1782, 2256, 2259, 2263, 2300, 2346, 2352, 2476
 C: 2, 8, 37, 284, 296, 297, 316, 520, 526, 707, 733, 846, 918, 969, 1036, 1037, 1138, 1140, 1142, 1147
- , general techniques
 L: 73, 101, 143, 148, 154, 476-480, 482-498, 504, 1099, 1183, 1184, 1196, 1206, 1239, 1240, 1287, 1575, 1576, 1578-1581, 1584-1593, 2386, 2401, 2652, 2674, 2689-2698, 2727, 2828, 3152, 3226, 3318, 3387, 3423, 3449, 3538, 3784, 3786-3803, 4028
 G: 1099, 1211, 1598
 E: 15, 16, 28, 89, 91-93, 95, 98-102, 104, 106-109, 112, 712, 773, 794-800, 802, 803, 805-807, 809, 810, 1379, 1384, 1390, 1394, 1395, 1401, 1405, 1409, 1411, 1472, 1474, 1476, 1477, 1480, 1482-1485, 1488-1491, 1493, 1494, 1496-1499, 1501-1503, 1543, 1561, 1654, 1767, 1772, 2182, 2186-2188, 2202, 2257, 2258, 2260-2262, 2264, 2265, 2268, 2478, 2485
 C: 32, 79, 87, 92, 119, 283, 285-295, 298-302, 305, 328, 576, 721, 726, 731, 732, 734, 1013, 1043, 1115, 1136, 1137, 1139, 1141, 1143, 1144, 1338, 1371, 1380, 1403, 1479, 1494-1498, 1504
see also Glycoproteins, lipoproteins
- , —, sequence and structural studies
 L: 426(review), 453, 1119, 1382, 1511(review), 1564, 2674, 2672, 2681(review), 2682, 3779, 3781, 3783(review)
 E: 51, 80, 97(review), 103(review), 1462, 1466, 1468, 2249-2252, 2254, 2255, 2258, 2897
 C: 111, 205(review), 265, 289, 605, 719, 721, 1133, 1421, 1491, 1492, 1493(review)
see also structural studies on individual categories of proteins
- , cells, subcellular particles and viruses (including ribosomal proteins)
 L: 440, 447, 500-503, 560, 1044, 1580, 1594-1599, 1600(review), 1601, 2699, 2700, 2702-2705, 3804-3810, 3869, 3888
 E: 49, 113-163, 169, 204, 227, 291, 307, 308, 414, 372, 513, 634, 653, 665, 764, 801, 811-822, 823(review), 824(review), 825(review), 826-834, 884, 905, 960, 965, 988, 1015, 1055, 1110, 1472, 1504-1530, 1531(review), 1532-1548, 1549(review), 1550-1559, 1560(review), 1563, 1577, 1584, 1686, 1691, 1754, 1757, 1806, 1874, 1896, 1919, 1921, 2263(review), 2266-2299, 2300(review), 2472, 2525, 2629, 2665
 C: 303, 304, 735, 1145, 1146, 1488
- , —, structural studies
 L: 440, 2701
 E: 79, 786, 1466, 1467, 1540
 C: 205(review)
- , synthesized by gene manipulation
 L: 504-507, 510, 516, 518, 566, 639, 1540, 1597, 1602, 1650, 1672, 1685, 1690, 2514, 2706, 2707, 2730, 2768, 2782, 2861, 3655, 3796, 3811-3815, 3833, 3838, 3839, 3850(review), 3869, 3917, 3922
 P: 110
 E: 51(review), 68, 76, 118, 130, 144, 154, 155, 164-175, 180, 281, 312, 321, 337, 345, 392, 402, 432, 463, 481, 498, 523, 528, 538, 637, 640, 643, 793, 817, 829, 832, 835-840, 915, 916, 922, 958, 961, 963, 984, 1010, 1026, 1029, 1067, 1075, 1087, 1103, 1130, 1375, 1440, 1506, 1507, 1561-1565, 1745, 1787, 1829, 1868, 1896, 1915, 2007, 2262, 2267, 2277,

- 2301-2304, 2328, 2415, 2421, 2540, 2565, 2591, 2611, 2625, 2635, 2639, 2642
- C: 268, 305, 306, 313, 735, 1153, 1155, 1162, 1454, 1499, 1516
- Proteins, microbial and plant proteins (including proteins of foods of plant origin)
- L: 463, 477, 483, 496, 498, 508-516, 540, 610, 1395, 1544, 1581, 1603-1619, 2708-2724, 3152, 3740, 3816-3834, 3974
- G: 708
- P: 555
- E: 93, 94, 153, 176-203, 287, 355, 508, 527, 766, 799, 836, 841-875, 1010, 1015, 1019, 1087, 1130, 1149(review), 1272, 1277, 1379, 1423, 1512, 1566-1626, 1747, 2191, 2192, 2193, 2282, 2289, 2305-2345, 2346(review), 2347-2351, 2352(review), 2353-2359, 2421, 2602
- C: 307, 308, 736-738, 1147(review), 1148-1150, 1160, 1500-1504
- , —, structural studies
- L: 474
- E: 81, 186, 855, 2248
- , of blood serum and blood cells
- L: 139(review), 151, 517-533, 537, 566, 1106, 1567, 1573, 1620-1636, 1646, 1652, 2404, 2514, 2663, 2700, 2725-2749, 3315, 3591, 3835-3843, 3844(review), 3845-3849, 3850(review), 3851-3855, 4330, 4331, 4333
- G: 1153, 1154
- P: 263
- E: 60, 91, 102, 204-223, 224(review), 278, 307, 331, 429, 635, 839, 876-893, 901, 917, 966, 967, 1056, 1500(review), 1556, 1562, 1627-1636, 1637(review), 1638-1656, 1677, 1679, 1762, 1775, 1782(review), 1833, 1902, 2180, 2181, 2226, 2267, 2302, 2360-2381, 2440, 2888, 2892
- C: 274, 309-313, 599, 739-743, 748, 1032, 1151-1156, 1158, 1159, 1442, 1505, 1506, 1615
- see also Lipoproteins; Chromoproteins and metalloproteins; Specific binding proteins (receptors)
- , —, structural studies
- L: 533, 1567, 1570, 1573, 1624, 1652, 2673, 2678, 2679, 3777, 3843
- E: 210, 787, 1469
- C: 313
- , structural proteins (except contractile elements)
- L: 534, 535, 1637, 2750, 2752, 3858-3860
- E: 131, 227, 231, 236, 237, 239, 300, 420, 530, 896, 899, 905, 907, 986, 1193, 1657, 1661, 1664, 1915, 2383, 2385, 2386, 2389, 2392, 2394-2396, 2483, 2669
- C: 1157
- , —, structural studies
- L: 3782
- E: 84
- C: 1157
- , of brain, nerves, cerebrospinal fluid and eye
- L: 428, 555-557, 1670, 1671, 3856, 3880-3882, 3884-3887, 3951, 3967
- E: 47, 78, 108, 263-271, 276, 761, 927-929, 931-933, 1653, 1704-1721, 1752, 1765, 1775, 1820, 1984, 2288, 2295, 2426-2439, 2448
- C: 327
- Proteins, of brain, nerves, cerebrospinal fluid and eye, structural studies
- L: 472, 1565, 1572, 2686, 3879, 3883
- E: 88, 271, 930, 1752
- C: 326
- For eye pigments see Pigments natural (and fluorescent substances)
- , of muscle and meat products (including related contractile proteins)
- L: 544, 1638-1641, 1647, 2751, 3856, 3857, 3861-3863
- G: 1168
- E: 90(review), 225, 226, 228-230, 232-235, 238, 365, 530, 572, 659, 894, 895, 897, 898, 900-904, 906, 908, 1062, 1520, 1658, 1660, 1662, 1663, 1665, 1666, 1668, 2382, 2384, 2387, 2388, 2390, 2391, 2393, 2397-2401, 2431
- C: 298, 299, 314, 315, 743, 1507
- , —, structural studies
- L: 473
- E: 83, 791, 1471, 1663, 2253, 2397
- , of glands and gland products (except mammary gland), various zymogens
- L: 554, 1092, 1664, 1666, 1674, 1686, 1688, 1691, 1822, 2769, 2773, 2778, 3874, 3967
- E: 126, 173, 213, 249, 251-254, 259-262, 289, 476, 578, 665, 708, 818, 907, 920, 925, 926, 971, 1356, 1525, 1683-1689, 1691, 1694, 1695, 1696(review), 1697, 1700-1702, 2279, 2418, 2419, 2421, 2424, 2425, 2455, 2495
- C: 520
- , —, structural studies
- L: 470
- E: 790, 1467
- , of milk
- L: 549, 550, 1629, 1657, 1658, 1661, 1662, 1668, 2650, 2770-2772, 2775, 2776, 2779, 3873, 3876
- E: 163, 250, 255-258, 918, 1229, 1462, 1463, 1690, 1692, 1693, 1698, 1699, 1703, 2420, 2639, 2641
- C: 321, 324, 325, 752-755, 1163, 1164, 1511-1513
- , —, structural studies
- L: 549, 1571, 2650
- E: 783, 1699
- C: 1134, 1135
- , of eggs
- L: 460, 1266, 1625, 1653, 1692, 3907
- E: 82, 991, 1779, 2485, 2490, 2496
- C: 680, 1443
- , —, structural studies
- L: 460, 2683, 3776
- E: 82
- , urinary
- L: 1691
- E: 311(review), 980, 1775, 2367, 2475, 2476(review), 2477, 2892
- C: 758, 1169
- , —, structural studies
- E: 1470
- , from neoplastic tissue
- L: 155(review), 558, 1672, 2404, 2702, 2780-2782, 3888, 3889
- E: 92, 272-275, 293, 309, 599, 818, 934-948, 1336, 1399, 1522, 1532, 1547, 1554, 1676, 1701, 1722-1741, 1799(review), 2208, 2211, 2266, 2440-2444
- C: 1145, 1514
- Proteins, from neoplastic tissue, structural studies
- L: 468
- E: 293

- , complex mixtures and incompletely specified proteins
 L: 429, 566, 1624, 1697, 1699, 2793, 3905
 G: 1739, 1740
 E: 312, 313, 318(review), 319-321, 523, 572, 981, 983, 984, 986, 988-990, 992, 994, 995, 1758-1761, 1763-1778, 1906, 2173, 2443, 2478-2484, 2486-2488, 2492-2497, 2893
 C: 1165
- , —, structural studies
 L: 1624
- Protoberberine alkaloids
 L: 717
- Psychostimulants
 L: 392, 393, 704, 908, 920, 927, 992, 2051, 2054, 2061, 2062, 2076, 2089, 2093, 2920, 3081, 3090, 3091, 4225, 4226, 4231, 4309
 G: 356, 360, 374, 800, 803, 804, 813, 1270, 1659, 1667, 1670, 1677
 P: 97
 C: 135, 451, 453, 862, 870-872, 1044, 1102, 1281, 1602
- Psychotropic drug
 G: 357
- Purine alkaloids (xanthines)
 L: 702, 704, 708, 709, 879, 1019, 2195, 2339, 2908, 2909, 2913, 4028, 4029, 4032, 4193
 P: 423, 487, 559
 C: 170, 469, 1044, 1046, 1429, 1544
- Purine antibiotics
 L: 3189
- Purines, pyrimidines, nucleotides, nucleosides
 L: 680-694, 1809-1821, 2882-2897, 4016-4024
 G: 709, 1169, 1600
 P: 111, 265-267, 417-422, 557, 2616-2621
 E: 446, 1080-1083, 1866-1869
 C: 341-351, 764-769, 1175-1181, 1521-1524
- , reviews
 L: 680, 3399
 E: 1(book), 446
 C: 341, 768
- , techniques
 L: 106, 681, 685, 687, 694, 1182, 1814, 2888, 2895, 2934, 3401, 4024
 G: 710, 818, 1169
 P: 111, 418, 487
 E: 1919, 2673
 C: 94, 348, 351, 627, 726, 764, 832, 1177, 1178, 1180, 1181, 1404, 1524
- , analogues of purines, pyrimidines, nucleotides and nucleosides (fluoro ...)
 L: 689-693, 721, 954, 984, 1236, 1813, 1817, 1821, 2122, 2138, 2144, 2887, 2888, 2890, 2896, 2913, 2928, 3123, 3997, 4021
 P: 182, 267, 287-289, 421, 440
 E: 455
 C: 342, 343, 349, 588, 762, 892, 1226, 1269, 1272, 1275, 1413
- , applications, non-biological
 L: 739, 948, 1816, 1968, 2884, 2891, 2893, 2894, 2897, 4022
 G: 709, 1600
 P: 266, 419, 557
 E: 449, 452
 C: 1175
- Purines, pyrimidines, nucleotides, nucleosides, applications, enzymic
 L: 1815, 2892
 P: 265
- , —, plants
 L: 1316
- , —, animal material
 L: 684-686, 688, 1815, 1818-1820, 2889, 4016-4018, 4020, 4022
 P: 265, 267, 420
 E: 212, 456, 1346
 C: 342, 344, 769
- Pyrane derivatives
 L: 228
- Pyrazines
 L: 687, 2926
 G: 1177
 P: 111
 see also Diazines
- Pyrethrins (and other natural insecticides)
 L: 831, 1966, 4125
 G: 329, 764, 766, 1218, 1224, 1226, 1227, 1229, 1563, 1643
- Pyridine and piperidine derivatives
 L: 213(review), 722, 724, 730, 976, 1236, 1841, 2323, 2349, 2925, 4045-4047
 G: 1175
 P: 25(review), 189, 190
 C: 165(review), 548, 906, 1211, 1213, 1593
- , carboxylic acids
 L: 722, 1236
 C: 1214
 see also Nicotinic acid and derivatives
- Pyridoxine, see Vitamins, B₆ group
- Pyrimidines, see Purines, pyrimidines, nucleosides, nucleotides
- α-Pyrone derivatives
 L: 230, 2459
 G: 1274
- γ-Pyrone derivatives, see Flavonoids and γ-pyrone derivatives
- Pyroles, pyrrolidines and pyrrolidones
 L: 719, 1725, 2920, 4149
 see also Bile pigments; Porphyrins and metalloporphyrins
- Pyrrolizidine and pyrrolizide alkaloids
 L: 22912
- ## Q
- Quinazolines
 L: 1843
- Quinoline and isoquinoline alkaloids
 L: 2907, 2911, 4030, 4033
 G: 254
 P: 558
 C: 383, 809
- Quinolines and isoquinolines
 L: 724, 726, 727, 730, 1250, 1841, 2923, 4249
 G: 719, 1256, 1669
 P: 4, 252, 270, 349, 478
 C: 580, 906, 1211

Quinolizidine alkaloids

G: 255

Quinones

L: 995, 1335, 2188, 2324, 2349, 2448, 2470, 3524, 3529

P: 17, 24, 34, 167, 341

R

Radioactive and other isotope compounds

L: 1051, 1052, 1053, 1054, 1089, 1090, 1087, 1153, 2222, 2232, 2253, 2277-2281, 2913, 3243, 3258, 3275(review), 3344, 3805, 4384, 4422, 4429, 4452, 4459-4461

P: 112, 182, 183, 447, 476, 595, 625

E: 581, 2183(review)

C: 890, 1267, 1304, 1307

Radiopharmaceuticals

L: 4286, 4298

P: 183, 447

C: 890, 1267

Rare earths

L: 1046, 1047, 1057, 1065, 1072, 2224, 2227, 2230, 2231, 2249, 3229, 3246, 3257, 3398(review), 4378, 4386, 4394, 4396, 4399, 4404, 4406, 4422, 4432

G: 737

C: 506, 943, 1306, 1307, 1313

Repellents, *see* Larvicides, insecticides

Resins, alkyd

G: 780, 1647

—, phenolic

L: 4158

—, polyester

L: 1991, 4165

G: 338, 481

—, polyethylene and polypropylene glycols

L: 851, 4167

E: 33

C: 423, 426

—, poly(vinyl acetate)

G: 779, 784

—, poly(vinyl chloride)

L: 1981, 1990

G: 145, 782, 1236

—, poly(vinylpyrrolidone)

L: 1994

G: 775

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

Respiratory stimulant

C: 645, 876

RNA, reviews

L: 680, 1091, 1092

E: 1(book), 446, 708, 1866, 1911

C: 341, 520

—, techniques

L: 495, 695, 696, 2899

E: 467, 482, 510, 521, 539, 1089, 1090, 1102, 1158, 1670, 1873, 1928, 2011

C: 288, 352, 1144, 1404

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

L: 2898, 4025

E: 53, 118, 150, 154, 167, 169, 171, 173, 212, 227, 251, 287, 289, 339, 345, 359, 413, 416, 454, 463, 464, 468, 469, 471-473, 475, 478, 480, 481, 485-487, 491, 494, 495, 501-506, 508, 509, 511, 512, 516, 518, 522, 523, 525, 530, 53, 536-538, 540-542, 564, 568, 582, 586, 594, 599, 643, 671, 672, 675, 678, 682, 815, 839, 964, 1013, 1014, 1029, 1044, 1084, 1085, 1088, 1093, 1096, 1097, 1099, 1100, 1104-1106, 1109-1113, 1115, 1123-1125, 1127, 1128, 1132-1134, 1136-1138, 1140-1142, 1186, 1245, 1324, 1329, 1344, 1357, 1870, 1872, 1876, 1877, 1879, 1881, 1883, 1884, 1886-1902, 1904-1910, 1912, 1915, 1916, 1918-1921, 1925-1927, 1959, 1992, 2136, 2138, 2269, 2466, 2622-2629, 2631-2638, 2640, 2642-2652, 2655, 2657-2668, 2671, 2673, 2675, 2676, 2678

C: 770, 1488

—, —, microorganisms

E: 432, 474, 1086, 1087, 1092, 1095, 1100, 1103, 1106, 1120, 1129-1131, 1139, 1874, 1875, 1880, 1882, 1899, 1917, 1922-1924, 2639, 2655, 2659, 2719

—, —, plants

E: 323, 479, 484, 507, 519, 526, 527, 562, 1094, 1101, 1108, 1121, 1168, 1747, 2623

—, —, animal material

E: 166, 171, 191, 269, 392, 404, 460-462, 465, 466, 470, 475-478, 483, 487-493, 496-500, 506, 513-515, 517, 520, 524, 528, 529, 531-536, 543, 600, 639, 678, 914, 932, 1001, 1069, 1091, 1098, 1107, 1114, 1116-1119, 1122, 1124, 1133, 1135, 1143, 1871, 1877, 1878, 1883, 1885, 1897, 1906, 1913, 1914, 1939, 2028, 2104, 2416, 2624, 2625, 2628, 2630, 2637, 2638, 2640, 2641, 2648, 2650, 2651, 2653, 2654, 2656, 2669, 2670, 2672, 2674, 2677, 2806, 2812, 2847, 2850, 2856, 2890

—, structural studies

E: 371, 476, 483, 484, 518, 524, 580, 591-597, 600, 633, 1092, 1122, 1210-1217, 1867, 1966, 2026-2028, 2534, 2759-2764, 2863, 2865, 2875

C: 361(review), 765, 784, 785

Rubber natural and synthetic (inclusive pyrolysis products)

G: 337, 441, 786, 852, 1150, 1240, 1243, 1317, 1650

Rubidium, *see* Alkali metals**S**

Saponins and sapogenins

L: 372, 1001, 2193, 2589, 4318, 4319, 4323

P: 90, 173, 245, 246, 396-399, 465, 612, 619

C: 1287

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

—, organic

L: 742, 1073, 1529, 1858, 2261, 2928, 3252, 4061, 4073

G: 283, 706, 1621, 1769

C: 501

Sexual attractants, *see* PheromonesSialic acids, *see* Glycosaminoglycans

Silicium compounds, inorganic

L: 1080, 4441

- , organic
 L: 1862, 1865, 2940
 G: 285, 735, 912, 1192, 1649
- Silver, *see* Cations, inorganic, analytical group I and IIa
- Snake venoms, *see* Venoms, snake
- Sodium, *see* Alkali metal
- Soil pollution
 L: 156, 159, 205, 210, 212, 816, 1021, 1025-1027, 1050, 1062, 1079, 1292, 1480, 1851, 1860, 1948, 1956, 2314, 2541, 2997, 3008, 3233, 3495, 3684, 4052, 4137, 4352, 4353, 4393, 4409, 4418, 4454
 G: 143, 149, 162, 164, 180, 249, 267, 271, 309, 314, 328, 331, 425-428, 454, 515, 517, 595, 603, 605, 608, 614, 713, 744, 771, 777, 843-845, 876, 901, 907, 1040, 1045, 1053, 1054, 1188, 1191, 1213, 1214, 1305-1309, 1311, 1347, 1478, 1480, 1487, 1495, 1509, 1511, 1513, 1546, 1615, 1616, 1622, 1636, 1698, 1704, 1705, 1719, 1724-1730, 1768
 P: 134, 137, 317, 467, 468, 539
 E: 1358, 2165, 2883
 C: 410, 697, 909(review), 924, 958, 1094, 1221, 1296, 1652
see also individual polluting compounds
- Spasmolytics
 L: 4203
 G: 347
- Specific binding proteins (receptors)
 L: 260, 351, 449, 460, 476, 503, 518, 538, 542, 559-565, 1248, 1447, 1537, 1607, 1616, 1672-1690, 1742, 1750, 2346, 2563, 2760, 2783-2789, 3813, 3835, 3856, 3890-3904
 P: 556
 E: 52, 66, 82, 115, 125, 132, 259, 276-310, 414, 537, 635, 669, 709(review), 835, 925, 949-969, 970(review), 971-980, 1103, 1244, 1459, 1537, 1718, 1742-1757, 1806, 1843, 2200, 2295, 2303, 2326, 2364, 2389, 2390, 2445-2456, 2457(review), 2458-2474, 2484, 2488, 2491, 2635, 2669, 2735, 2812, 2819
 C: 328, 329, 756, 757, 802, 1038, 1151, 1166-1168
- , structural studies
 L: 459, 460, 1566, 2670, 2684, 3776, 3780
 E: 82, 279, 1748, 1752
- Sphingolipids (sulfatides, gangliosides, ceramides, cerebroside)
 L: 327, 334, 345, 346, 1320, 1433, 1439, 1441, 2182, 2552, 2553, 3650, 3651, 3643
 P: 57, 64, 69, 74, 81, 224, 228, 229, 231, 234, 236, 239, 382, 384, 511, 516, 526, 527
- Stabilizers, *see* Plasticizers and stabilizers
- Starch components
 L: 252, 259, 1371, 1374, 2504, 3465, 3576
 G: 1337
 P: 39
 E: 39, 744, 1422
 C: 194, 197
see also Polysaccharides
- Steroid alkaloids
 L: 703
 P: 560, 563
- Steroids
 L: 357-371, 1449-1467, 2568-2587, 3656-3667
 G: 213-225, 667-684, 1128-1132, 1558-1565
 P: 86-89, 242-244, 392-396, 530-535
 E: 773, 2236
 C: 231, 695, 696, 1097-1100, 1456, 1457
- Steroids, reviews and books
 L: 3399, 3657
 G: 1559
- , general techniques and theory
 L: 185, 357, 358, 360, 1175, 2307, 2339, 2568-2571, 3610, 3656, 3658
 G: 225, 1029
 P: 535
 C: 1018, 1392, 1456
see also Androstane derivatives; Oestrogens; Pregnane derivatives; Sterols
- Sterols, techniques
 L: 1461, 1463, 2561, 2581
 G: 1563
 E: 2236
 C: 1099
- , applications, non-biological
 L: 3662-3664
 G: 224, 672
 P: 393
- , —, biological
 L: 368, 1460, 1462, 1464, 2582
 G: 218, 222, 456, 673-676, 1564, 1565
 P: 243, 504, 530-533
 E: 2236
- Stimulants, *see* Psychostimulants
- Strontium, *see* Alkaline earths
- Styrene polymers (inclusive pyrolysis products)
 L: 844, 848, 850, 1984, 4156, 4162
 G: 32, 145, 777, 781, 785, 1237, 1648
 E: 688, 1350
 C: 424, 425, 1049
- Subcellular particles
 L: 1600(review)
 E: 707, 825(review), 1368(review), 1371, 2180
 C: 914(review), 915, 916, 1633
- Sulphatides, *see* Sphingolipids
- Sulphides (thioethers) and polysulphides
 L: 4055, 4061
 G: 262, 723, 724, 1178, 1180, 1286, 1606
 C: 814, 1554
- Sulphonamides
 L: 945, 975, 3113, 3115, 3116, 3194
 G: 806, 1671
 P: 441, 444
 C: 454, 456, 580, 881, 882, 994, 1606, 1607
- Sulphonate esters
 L: 3490
 C: 1627
- Sulphones
 G: 722
- Sulphoxides
 L: 733, 1849
 P: 120
 C: 1553
- Sulphur compounds, inorganic
 L: 735, 3264, 3268, 4076, 4437, 4438, 4442
 G: 723, 1355, 1771
 C: 946, 950, 1317, 1651

Sulphur compounds, organic, techniques

L: 732, 733, 736, 738, 1507, 2204, 2327, 2929, 2931, 2932, 3485, 3628, 4050, 4052, 4059, 4060, 4310, 4354

G: 263, 264

P: 120, 121, 192, 272, 544, 566

C: 389, 390, 392-394, 1000, 1218, 1220, 1552

—, —, acids and derivatives

L: 735, 1848, 1851, 3477

G: 1181, 1689

C: 391, 395, 486, 562, 1217

see also Heterocyclics, sulphur

Sulphur oxides

C: 1051

Sunburn preventives

L: 2157, 2169

Surfactants, emulsifiers and detergents

L: 851, 1028-1032, 2202-2204, 2205(review), 2206, 2207, 3204-3208, 4098, 4354-4357

G: 342, 409, 429, 430, 432, 626, 846-848, 1310-1313

P: 175, 318, 319, 469, 621

E: 1359, 1360, 2174

C: 64, 70, 391, 485, 486, 518, 1007, 1297(review), 1351, 1627

Suspensions, various

L: 483, 485, 498, 520, 1043, 1044, 2211, 2217, 3255, 3465, 4160, 4371(review), 4377

E: 688, 701-705, 729, 1062, 1361, 1364, 1366, 1367, 1369, 1437

C: 311, 490, 491, 493, 916, 922, 979, 1298, 1418

Sweeteners, artificial

C: 1628

Sympathomimetics, see Adrenergic and adrenergic blocking agents

T

Tannins

L: 1019, 1316, 1325, 2450, 2452, 2458, 3498, 3516, 3519, 3520, 4335

P: 24, 498

C: 170, 665, 1286

Tantalum, see Cations, inorganic analytical group III

Technetium, see Cations, inorganic, analytical group IIb

Tellurium, see Cations, inorganic, analytical group IIb

Terpenes

L: 373-376, 1468-1476, 2590-2593, 3669-3678

G: 226-238, 685-697, 1133-1149, 1566-1582

P: 247-249, 400, 401, 537, 538

C: 1458

—, general techniques

L: 1002, 2389, 2590, 2593, 3670, 3673

G: 1570, 1574

P: 538

—, applications

L: 373, 375, 376, 1468-1473, 1475, 1476, 1478, 2193, 2591, 2592, 3180, 3669, 3672, 3674-3676, 4036, 4186, 4323, 4326

G: 227, 229, 232, 233, 290, 685, 687, 1135-1137, 1148, 1566, 1568, 1569, 1674, 1685, 1692

P: 247, 249, 250, 400, 401, 561

Terpenes, acids

L: 1474

G: 871, 1138, 1149

—, alcohols

L: 374, 1472, 3671

G: 226, 228, 230, 234, 686, 1133, 1134, 1138, 1145

P: 248, 537

—, resins

L: 3677, 3678

G: 871, 1149, 1567, 1738

C: 1458

Tetracyclines

L: 774, 777, 790, 797, 1892, 1894, 1907, 1916, 1929, 1930, 1943, 2970, 2981, 3154, 4097

P: 276, 279

C: 402, 403, 826

Tetrazoles

L: 725, 4048

P: 565

Textile dyes (including bleaching agents)

E: 684

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

Thiamine, see Vitamins, B₁

Thiazoles, isothiazoles and thiazolones

L: 734, 4054, 4058

G: 1609

Thioamides

L: 1498

Thioglucoisides

C: 813

Thiols

L: 1522, 1849, 3722, 4051, 4053, 4057, 4213

G: 1584, 1605, 1606, 1608

C: 565, 814, 1219

Thiophenes

G: 1182, 1607

Thorium, see Cations, inorganic, analytical group III

Thyroglobulins and related proteins

L: 427

Thyreostatics

L: 2138

P: 12

C: 879, 1275

Tin, inorganic, see Cations, inorganic, analytical group III

—, organic

L: 2395, 2939, 4070, 4071

G: 272, 274-276, 713, 731, 732, 1189-1191, 1612, 1615, 1619

C: 1222

Titanium, see Cations, inorganic, analytical group III

Toad venoms, see Venoms, other

Tobacco alkaloids

L: 701, 706, 715, 1829, 1833

G: 256

C: 1546

Tocopherols, see Vitamins, E

Toxicological (and forensic) analysis, reviews and books

L: 993, 2172, 2179, 3168

G: 377, 812, 1676

P: 298

E: 1, 689

- C: 6, 464, 472, 1280
- Toxicological (and forensic) analysis, general techniques**
 L: 131, 393, 2173, 2175, 2181, 4304
 G: 376, 605, 813, 1023, 1449, 1558, 1680
 P: 97, 162, 451, 587
 C: 124, 435, 467, 468, 471, 895, 899, 1277, 1278
- , applications
 L: 198, 209, 211, 385, 387, 392, 419, 491, 693, 713, 889, 989, 991, 992, 994, 1307, 1323, 1334, 1662, 2083, 2177, 2180, 2182, 2251, 2254, 2605, 2777, 2932, 2935, 2938, 3098, 3159-3167, 3169, 3234, 4067, 4222, 4301, 4309, 4310
 G: 131, 199, 355, 365, 373, 375, 378, 453, 594, 644, 727, 815, 1078, 1181, 1183, 1267, 1268, 1277, 1503, 1507, 1510, 1560, 1598, 1600, 1602, 1638, 1664, 1675, 1678, 1679, 1771
 P: 99, 139, 162, 299, 450, 473, 502, 580
 E: 632, 859, 924, 1370, 1677, 2336, 2368, 2842, 2864
 C: 364, 397, 417, 433, 451, 465, 466, 469, 470, 729, 749, 870, 871, 896-898, 1102, 1276, 1279, 1281, 1407, 1450, 1616
see also Proteins of blood, serum and blood cells
- Toxins (non-proteinous or unidentified)**
 L: 1331, 1334, 1968, 2174, 2176, 2183, 4300(review), 4302, 4303, 4305-4307, 4308(review)
 G: 1233, 1263
 P: 450, 452, 502
 C: 474, 900, 1268, 1616
see also Aflatoxins; Mycotoxins
- , proteinous
 L: 432, 443, 477, 501, 516, 552, 1535, 1611, 1695, 2723, 2768, 2777, 3750, 3753, 3754, 3824
 P: 262, 553
 E: 182, 859, 922, 982, 2310, 2336, 2422, 2455
 C: 1162, 1501
see also Proteins of glands and gland products; Venoms; individual enzyme types
- Tranquilizers (anxiolytics)**
 L: 914, 918, 919, 928, 2055, 2078, 2083, 2097, 2418, 2927, 3084, 3088, 3093, 3111, 3161, 3310, 3408, 4219, 4223, 4239, 4242, 4244
 G: 352, 802, 1086, 1254, 1666
 P: 2, 153, 293, 480, 484
 C: 874(review), 1059, 1255, 1256, 1259, 1599
- Transferases, transferring one atom groups (methyl-, hydroxy-, formyl-, carbonyl-, carbamoyl-, amidine) and related transferases (E.C. 2.1.-.-)**
 L: 596, 597, 1733, 1734, 2928, 3946, 3947, 4008
 E: 344, 1023, 1025, 1026, 2529
 C: 760
- , transferring acyl-and aminoacyl groups (E.C. 2.3.-.-)
 L: 592, 601, 602, 606, 1729, 1732, 1735, 2818, 3944
 E: 341, 349, 643, 1019, 1020, 2522, 2525-2527, 2534
- , transferring glycosyl residues (hexosyl and pentosyl transferases) (E.C. 2.4.-.-)
 L: 593, 603, 604, 607, 1372, 1727, 1730, 2817, 2820, 2824, 3936, 3939, 3941, 3948
 E: 149, 343, 347, 348, 1018, 1021, 1022, 1024, 2528, 2530, 2531, 2533, 2535
 C: 331
- , transferring alkyl or aryl groups (E.C. 2.5.-.-)
 L: 594, 595, 598, 600, 605, 1594, 1755, 2823, 3940, 3943, 3949
 E: 346
- Transferases, transferring phosphorus containing groups (E.C. 2.7.-.-)**
 L: 1728, 1731, 3942
 P: 264
 E: 87, 350-373, 596, 792, 976, 1027-1037, 1798, 1799(review), 1800-1806, 1807(review), 1883, 2536-2549
 C: 762
- , —, structural studies
 L: 464, 466, 3778
 E: 87, 359, 788, 792, 1805
- , transferring sulphur containing groups (E.C. 2.8.-.-)
 L: 2825, 2827, 3938
 E: 345, 2532
 C: 1171
- , —, structural studies
 G: 1607
- , activity measurements
 L: 602, 1736, 2822, 2928, 3937
 E: 361
- Triazines and triazanes**
 C: 1550
- Tropine alkaloids**
 L: 2914
 P: 204
 C: 380, 642, 803-808, 897, 1547, 1548
- Trypsin inhibitor (antitrypsin)**
 L: 1694, 1696, 3755
- Tuberculostatics**
 L: 779, 1929, 2104, 3112, 4258, 4262
- Tungsten, see** Cations, inorganic, analytical group IIb
- ## U
- Ubiquinones (coenzyme Q)**
 L: 2470, 2475
- Uranium, see** Actinides and uranium
- Urea and urea derivatives)**
 L: 3628
 C: 1464
see also Thiourea
- Urethanes and polyurethanes (including pyrolysis products)**
 E: 1351
- Uric acids**
 L: 683, 754, 3485, 4023
 E: 447
 C: 342, 1469
- ## V
- Vanadium, see** Cations, inorganic, analytical group IIb
- Vasoconstrictors**
 L: 2034
 G: 1770
 C: 447
- Vasodilantans (including coronar vasodilantans)**
 L: 896, 2035, 2049, 4213
 G: 233, 791, 792, 795, 1249, 1252
 C: 856, 859

Venom, snake

L: 548, 552, 553, 634, 663, 1656, 1660, 1663, 1665, 1667, 1763, 1795, 2768, 3872, 3877, 3878

E: 919, 921-924, 1064, 2423

C: 1162

—, other

L: 437, 1659, 2774

P: 535

E: 2422

C: 896

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

—, —, structural studies

C: 729

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

L: 745-763, 1868-1882, 2942-2957, 4074-4092

P: 125, 126, 572

C: 399, 400, 819-821, 1225, 1226, 1559-1563

—, reviews and books

L: 758, 1010, 2955

C: 400

—, techniques for fat soluble vitamins

L: 755, 759, 3387

C: 820

—, techniques for water soluble vitamins

L: 751, 3387

C: 820, 1226, 1560-1562

—, A group (including synthetic retinoids)

L: 72, 746-748, 755, 756, 761, 762, 842, 1868, 1871, 1876-1878, 1975, 1978, 2945, 2948, 2952, 2954, 2956, 3023, 4074, 4075, 4078, 4081-4083, 4090, 4091, 4148

G: 290, 738, 1196

C: 1563

see also Pigments, natural (and fluorescent substances)

Vitamins, B₁

L: 1872

P: 572

—, B₂ and other flavins

L: 682, 749, 1872, 1880

P: 156, 572

C: 1562

—, B₃ group

L: 1872

—, B₆

L: 752, 1869, 1872, 2942

P: 572

—, B₁₂ group (Cobalmin)

L: 759, 1872

P: 572

—, B₁₂

L: 1421

—, C group

L: 750, 753, 754, 1403, 1872, 1882, 2057, 2258, 4076, 4079, 4085

C: 170, 399, 819, 821, 1225, 1559

—, D group

L: 755, 1873, 2951, 2957, 4086, 4091

G: 291, 292, 674, 739, 740, 1196, 1749

Vitamins, E

L: 72, 746, 755-757, 760, 762, 763, 1197, 1868, 2943-2947, 3023, 4074, 4078, 4080, 4084, 4088-4091, 4148

G: 289, 1194, 1195

—, H

L: 1872

—, K group

L: 1875

—, P

L: 1872

Volatile organic compounds (VOC)

G: 152, 197, 261, 412, 420, 447, 468, 473, 517, 563, 569, 572, 578, 593, 599, 787, 829, 830, 833, 835, 839, 841, 842, 854, 875, 907, 908, 988, 1044, 1055, 1064, 1065, 1292, 1294, 1295, 1297, 1300, 1301, 1306, 1307, 1424, 1457, 1482, 1486, 1496, 1571, 1699, 1706, 1710, 1716, 1725, 1726

Volatiles, flavours, odours, see Organoleptics

Warefare agents 265, 267, 268, 284, 727, 728, 863, 1183, 1185, 1186, 1592, 1741

W

Warefare agents

L: 1853, 2933

Water

L: 4437

G: 446, 1770

Water analysis and pollution

L: 65, 184, 196, 197, 499, 804, 806-809, 811, 815, 819, 823, 824, 826, 828, 838, 1 24, 1050, 1058, 1079, 1084, 1085, 1305, 1487, 1510, 1511, 1954, 2167, 2204, 2235, 2240, 2241, 2256, 2259, 2264, 2265, 2433, 2445, 2447-2449, 2570, 2613, 2908, 2929, 2995, 2996, 3008, 3199-3203, 3249, 3259, 3269, 3271, 3476, 3495, 3497, 3612, 3622, 3692, 4071, 4123, 4133, 4136, 4138, 4338, 4341, 4348-4352, 4354, 4388, 4408, 4409, 4434, 4436, 4450

G: 167, 179, 180, 203, 230, 240, 245, 252, 266, 273, 276, 294, 296, 299-301, 303, 315, 322, 325, 330, 333, 342, 349, 353, 408, 417-424, 454, 458, 604, 621, 622, 626, 661, 700, 732, 733, 744, 762, 765, 768, 829, 841-843, 851, 907, 922, 1004, 1039, 1041, 1055, 1064, 1065, 1076, 1088, 1113, 1166, 1180, 1188, 1189, 1206, 1220-1222, 1231, 1251, 1295-1298, 1300-1304, 1451, 1472, 1477, 1497, 1498, 1508, 1523, 1570, 1614, 1615, 1618, 1626, 1634, 1639, 1672, 1698, 1699, 1704, 1705, 1716-1723, 1754, 1765, 1767

P: 13, 213, 489, 517, 539

E: 612, 699, 700, 1357, 1490, 2132, 2172, 2173, 2319

C: 162, 391, 398, 411, 503, 667, 697, 828, 912, 913, 924, 936, 939, 945, 957, 1018, 1218, 1221, 1230, 1235, 1295, 1303, 1305, 1315, 1316, 1427, 1624, 1626, 1635, 1641, 1650, 1653, 1654

see also individual polluting compounds

—, reviews

C: 571, 909-911

Waxes

G: 870, 1320

X

Xanthine alkaloids, *see* Purine alkaloids

X-ray contrast media

L: 2156, 4276

Z

Zinc, *see* Cations, inorganic, analytical group III

Zirconium, *see* Cations, inorganic analytical group III