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20. ENZYMES AND ENZYME ACTIVITY ESTIMATION
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23. OTHER SUBSTANCES CONTAINING HETEROCYCLIC NITROGEN

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116 (1992) 136111h, 159020s, 159025x, 187389n, 200953p.

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See also 4882, 5008, 5313, 5746, 5922.

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See 935.

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See 1047.

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See also 834.

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See also 972.

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15. TERPENES AND OTHER VOLATILE AROMATIC COMPOUNDS

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17c. Urea and guanidine derivatives

See 833.

17d. Other amine derivatives and amides (excl. peptides)

See 832, 971, 1043.

18. AMINO ACIDS AND PEPTIDES; CHEMICAL STRUCTURE OF PROTEINS

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23. OTHER SUBSTANCES CONTAINING HETEROCYCLIC NITROGEN

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See also 840, 1025, 1057.

25. ORGANIC PHOSPHORUS COMPOUNDS (INCL. SUGAR PHOSPHATES)

See 973, 975, 976, 1041.

26. ORGANOMETALLIC AND RELATED COMPOUNDS

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21. PURINES, PYRIMIDINES, NUCLEIC ACIDS AND THEIR CONSTITUENTS

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BIBLIOGRAPHY SECTION

SUPPLEMENT TO THE
JOURNAL OF CHROMATOGRAPHY
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INDEXES

INTRODUCTION

Presenting the Subject Index for all the four different parts of the Bibliography Section as well as presenting the Index of Types of Compounds Chromatographed has become a tradition in the Journal. The following indexes refer to both volumes of Bibliography published this year (610 and 611). Because the methodological part differs substantially in different techniques, we have retained the subdivision system, using the following abbreviations: C = Liquid column chromatography, E = Electrophoresis, G = Gas chromatography, P = Planar chromatography. In the Index of Types of Compounds Chromatographed all types of methods are indicated in the individual entries by appropriate abbreviations. Entries relevant to supercritical fluid chromatography are to be looked for in the section on Gas Chromatography. Micellar electrokinetic chromatography is to be looked for in the section on Electrophoresis. In entries that are heavily populated by chromatographic papers we made a further subdivision into Techniques and Applications. In the Subject Index a selection was made in such entries and an appropriate note was attached. Commonly used sorbents and procedures were not included into the Index. Reviews are clearly indicated.

Prague (Czechoslovakia)
Brno (Czechoslovakia)

Z. Deyl and V. Schwarz
J. Janák

Subject Index

Please, note that this Index refers to the entry numbers in the Bibliography Section (Vols. 610 and 611). Individual parts of the Bibliography Section (Liquid Column Chromatography, Gas Chromatography, Planar Chromatography and Electrophoresis) are numbered separately.

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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 (see J. Chromatogr., Vols. 560 and 561) the individual parts of the Bibliography Section i.e. Liquid column chromatography (C), Gas chromatography (G), Planar chromatography (P) and Electrophoresis (E) were numbered separately. Therefore the respective shortening should direct the reader to one of the techniques first before looking for a particular number (identical numbers occur under different techniques). Please note that this Index refers to the entry numbers in the Bibliography Section, J. Chromatogr. Vols. 610 and 611.

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- C: 3198, 3200, 3203, 4624, 4639, 6010, 6015, 6031

Antipyretics, analgesics

- C: 1177, 1178, 1184, 1188, 1392, 1429, 1440, 1457, 1461, 2266, 3072, 3092, 3094, 3114, 3177, 3190, 3191, 3195, 3204, 3205, 3331, 3345, 4563, 4565, 4615, 4627, 4882, 5936, 5944, 5945, 5989, 5995, 6001, 6005, 6026, 6031-6033
 G: 721, 733, 735, 741, 749, 1432, 1942
 P: 491, 499, 508, 708, 780, 786, 1027, 1033, 1035
 E: 2536

Antirheumatics (antiinflammatory, antiarthritics)

- C: 1387-1391, 1393-1396, 1452, 1475, 2266, 2761, 3081-3092, 3093(review), 3094, 3095, 3126, 3191, 3204, 3247, 3291, 3331, 3862, 4553-4565, 4647, 4671, 5838, 5930-5935, 5937-5949, 6001, 6028, 6032, 6125
 G: 475, 719, 721, 735, 860, 1094, 1257, 1430-1433, 1634, 1819, 1942, 2146, 2246, 2357
 P: 16, 220, 221, 489-491, 772, 773, 786, 1028, 1029
 E: 2094

Antiseptics, *see* Antibacterials

Antitumor antibiotics

- C: 1265, 1282, 1285, 1288, 1289, 1316, 1499, 2912, 2921, 2924, 2926, 2937, 2939, 2941, 2946, 2949, 2968, 3263, 4439, 4446, 4448, 4459, 4472, 4481, 5811, 5812, 5818, 5821, 5830, 5831, 5846, 6082
 P: 186, 466, 473, 474, 734, 736-738, 744, 752, 755, 756, 759, 762, 1003, 1011

Antitussives

- C: 3114, 3288, 5721, 5724, 6032, 6093
 G: 738, 1853, 1946, 2286, 2378, 2387
 P: 1039

Antiulcer compounds

- C: 1425, 1426, 1458, 1462, 3167, 3189, 3292, 4586, 4602, 4622, 6016
 G: 1328
 P: 233
 E: 754, 758
see also Antihistamines

Antiviral agents

- C: 1158, 1296-1298, 1468, 1478, 1502, 1509, 1519, 2140, 3237, 3239, 3242, 3243, 3252, 3247, 3258, 3300, 4337, 4481, 4487, 4670, 4693, 4854, 5069, 5207, 6058, 6063
 G: 1466
 P: 26, 193-195, 240, 503, 759

Appetite depressants

- G: 1947

—, stimulants

- C: 1506
 G: 762, 769

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

—, organo-compounds

- C: 1227
 G: 596, 607, 912, 1340, 1568, 2068, 2307

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

Aza heterocyclics

- C: 5031(review), 5750
 G: 1550

Azides

- P: 146

Azo and related compounds

- G: 578, 1550
 P: 833(review)

Azulenes

- G: 870, 1505

BBacteria, *see* Cells, viruses and microorganisms—, metabolites and taxonomy, *see* Cells, viruses and microorganisms, metabolites and taxonomical studiesBarbiturates, *see* Anticonvulsants, Anaesthetics, HypnoticsBarium, *see* Alkaline earths

Bee venom

- C: 5349

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

Bile acids and alcohols

- C: 498-502, 853, 961, 2205(review), 2206-2210, 3827, 3871-3874, 5258-5262
 G: 493-498, 1271, 1275-1279, 2393
 P: 134, 412-415, 664-666, 954, 955, 972
 E: 455

Bile pigments

- C: 1115, 1196, 2818, 2819, 3009, 3010
 P: 714

Biopolymers and their constituents, reviews

- C: 76, 1629, 4934
 G: 919, 960, 1417, 1534, 1555
 E: 67, 1417

Biopolymers and their constituents, techniques

C: 72, 190, 1656, 1705, 4903, 4921, 5905

E: 45, 798

see also DNA; Enzymes; Proteins; RNAEiotin, *see* Vitamins, biotin group

Eiphenyl and derivatives

C: 1739, 2978, 3625, 4497, 5043, 5044, 5868

G: 148, 158, 161, 169, 209, 278, 280, 320, 331, 333, 339, 344, 346, 606, 625, 628, 629, 640, 645, 649, 717, 824, 827-829, 842, 846, 850, 942, 1027, 1154-1157, 1162, 1164, 1166, 1366-1368, 1423, 1507, 1508, 1513, 1531, 1624, 1718-1720, 1722, 1723, 1727, 1746, 1800, 1833, 1862, 1886, 1888, 1895, 1916, 2180, 2181, 2423, 2458

P: 1029

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

Bitter substances

C: 510, 1965

G: 1822

P: 513

E: 170, 926

 α -Blocking agents, *see* Adrenergic and adrenergic blocking agents β -Blocking agents, *see* Adrenergic and adrenergic blocking agents

Boranes and derivatives of boric acid

C: 3416

G: 426, 787, 1350, 2068, 2348

Boron compounds, inorganic

C: 1609, 3416

Bronchodilators

C: 222, 1524, 2794, 3116, 3145, 3304, 4604, 4623, 5726, 6027, 6041

G: 724, 765, 1438, 1482, 1483, 1940, 2368

P: 505

see also Antiasthmatics**C**Cadmium, *see* Cations, inorganic, analytical group I and IIaCaesium, *see* Alkali metalsCalciferols, *see* Vitamins, D groupCalcium, *see* Alkaline earths

Calcium antagonists

C: 1414, 1419, 3110, 3122, 3129, 3135, 3144, 3147, 3151, 3159, 4573, 4593, 4612, 4614, 5956, 5963, 5964, 5967, 5973, 5976, 5980

G: 728, 1436, 1442, 1446, 1933, 2364, 2369

P: 225, 776

E: 1395

Cannabis constituents, *see* Hallucinogens (inclusive cannabis constituents)Carbamates, *see* Pesticides, carbamates

Carbazoles

C: 4391

G: 831, 991, 1140, 2460

P: 428, 718

Carbohydrates (including glycoproteins)

C: 303-397, 2006-2083, 3687-3749, 5094-5164

G: 401-411, 1216-1220, 1761-1769, 2218-2222

P: 54-64, 331-339, 580-589, 892-896

E: 124-147, 872-904, 1506-1526, 2108-2127

Carbohydrates, reviews

C: 338, 2011, 4714, 5104, 5119

G: 402

P: 60, 834

E: 2109

—, general theory and techniques

C: 308, 309, 313, 322, 325, 333-335, 337, 391, 659, 1734, 1758, 1767, 1863, 2006, 2010, 2014-2017, 2020, 2023, 2027, 2029, 2093, 2111, 3336, 3498, 3687, 3688, 3692, 3694-3702, 4909, 5052, 5065, 5096-5098, 5101, 5103, 5108, 5114, 5117, 5120

G: 252, 403, 1050, 1634, 1702, 1767, 2160, 2221

P: 587

E: 36, 125, 795, 872-877, 895, 1492, 1506, 2108, 2110

—, applications, non-biological

C: 304, 312, 316, 320, 324, 326, 336, 1038, 2019, 2694, 3697, 5095, 5100, 5105, 5113, 5117, 5144, 5272

G: 404, 1540, 1766, 2005, 2220, 2454

P: 55, 58, 59, 337, 585, 588, 895

—, —, food products

C: 307, 311, 319, 330, 2008, 3691, 3692, 3701, 4714(review), 5099, 5106, 6141

G: 405, 443, 1216, 1219, 1287, 1493

P: 336, 892

—, —, microorganisms

C: 2022, 2738, 3689, 4287, 5116, 5640

G: 401, 407, 804, 1353, 1761, 1768, 2218, 2219

P: 56, 57, 63, 64, 334, 335, 588, 614, 893, 894, 901

E: 878

—, —, plants

C: 357, 361, 1953, 2021, 2172, 3687, 3706, 5094, 5099, 5106

G: 383, 405, 887, 1220, 1287, 1542, 1762, 1763, 1982

P: 61, 337, 581, 582

—, —, animal material

C: 310, 314, 328, 332, 340, 355, 356, 368, 1035, 2009, 2026, 2060, 2355, 2479, 3705, 3714, 3737, 5100, 5102, 5113, 5118, 5121, 5127, 5663

G: 1217, 1218, 1797

P: 54, 520, 580, 583, 584, 586, 588, 589, 896, 1054

E: 878, 1155, 1812

—, derivatives, acids and lactones

C: 306, 339, 5110, 5116

G: 1073, 1228

P: 331, 583

E: 1492

—, —, alcohols

C: 325, 1039, 3692, 3736, 5144

G: 1353, 1493, 1765, 1766, 1968

P: 337, 581

—, —, amino sugars

C: 320, 328, 348, 368, 380, 1035, 1038, 1039, 2026, 2030, 2033, 2035, 2290, 3714, 4237, 5100, 5116

P: 54, 57, 58, 334, 339, 580, 581, 584, 586, 589, 617

E: 1155, 1492, 1812

see also Glycosaminoglycans

—, —, deoxy

C: 2738

—, —, phosphates, *see* Phosphorus compounds, organic

—, —, methylated

C: 5144

Carbohydrates, derivatives, sulphur containing

G: 583

see also Glycosaminoglycans

—, —, other

C: 5272

E: 125, 874, 2110

Carbon

C: 4772, 4878

G: 128, 133, 242, 1584, 1623, 1674, 1988, 1989, 2131, 2479

— oxides

G: 142, 144, 150, 171, 308, 838, 913, 919, 996, 1002, 1035, 1562, 1563, 1584, 1610, 1975, 1994, 2021, 2023, 2040, 2071, 2098, 2104, 2116, 2341, 2392, 2437, 2473-2477

Carbonyls, see Oxo compounds

Carboxylic acids

C: 398-430, 2084-2129, 3750-3783, 5165-5196

G: 412-460, 1221-1252, 1771-1803, 2223-2237

P: 65-69, 340-349, 590-601, 897-907

E: 148, 905, 1527, 2128

—, reviews and books

C: 1198, 4714, 4900

G: 438

P: 590

—, general techniques and theory

C: 126, 209, 400, 403, 417, 423, 425, 457, 545, 1601, 1769, 1848, 2084, 2090, 2093, 2095, 2101, 2105, 2106, 2108, 2110-2112, 2115, 2120, 3057, 3336, 3352, 3415, 3422, 3453, 3466, 3493, 3767-3769, 3872, 4392, 4909, 5165-5167, 5169, 5175, 5178, 5179, 5181, 5184, 5190, 5192-5194, 5208, 6118, 6141, 6255

G: 18, 22, 23, 252, 948, 1073, 1229, 1665, 1771, 1774, 2031, 2160, 2270, 2343

P: 281, 304, 340, 346, 579, 601, 681, 1054

E: 29, 74, 148, 1409, 1527, 2128, 2544

—, higher fatty acids

C: 292, 404-406, 408, 411, 413, 416, 418-420, 422, 424, 426, 430, 1006, 1823, 2089, 2092, 2094, 2097, 2099, 2100, 2102, 2113, 2114, 2121, 2123, 2124, 2129, 2133, 2148, 2149, 2172, 3671, 3678, 3751, 3752, 3754-3756, 3758, 3759, 3761, 3763, 3764, 3772, 3774, 3775, 3777, 3779-3781, 3783, 3820, 3823, 3870, 4186, 5165, 5170, 5176, 5177, 5188, 5189, 5195, 5199, 5203, 5262

G: 145, 147, 241, 313, 378, 413, 416, 418, 422, 428, 433-438, 441, 445, 448-450, 453, 457, 459, 460, 467, 469, 492, 613, 785, 788, 791-793, 803, 815, 837, 884, 892, 893, 895, 1041, 1077, 1083, 1087, 1169, 1221-1223, 1226, 1231, 1233, 1235, 1236, 1238, 1247-1250, 1252, 1452, 1498, 1526, 1542, 1548, 1553, 1627, 1707, 1772, 1775, 1776, 1778, 1781, 1782, 1784-1786, 1789-1791, 1796, 1798, 1801, 1802, 1809, 1930, 1972, 2223-2225, 2227, 2228, 2231, 2232, 2234, 2236-2238, 2242, 2247, 2350, 2398

P: 66, 74, 75, 96, 340-342, 346-349, 355, 358, 362, 375, 382, 590(review), 593, 595-600, 615, 899, 902, 906, 907, 911, 923, 926

E: 148

—, —, simple esters

C: 2084, 2103, 3766, 3782, 3805, 5170-5172, 5174, 5185

G: 41, 121, 146, 147, 191, 249, 275, 428, 432, 449, 504, 798, 800, 809, 818, 837, 921, 1044, 1048, 1187, 1221, 1224, 1236, 1239, 1240, 1246, 1388, 1494, 1548, 1553, 1649, 1651, 1783, 1972, 1979, 2088, 2090, 2127, 2159, 2236, 2398

P: 65, 67, 313, 342, 592, 898

E: 2395

Carboxylic acids, lower fatty acids

C: 128, 409, 427, 1769, 2100, 2110, 3765, 3773, 3778, 3838, 5182

G: 20, 62, 150, 157, 160, 196, 214, 243, 305, 378, 412, 414, 425, 442, 444, 446, 447, 456, 694, 699, 707, 763, 807, 811, 819, 853, 899, 937, 947, 949, 957, 1010, 1036, 1037, 1095, 1181, 1228-1230, 1235, 1401, 1490, 1493, 1498, 1501, 1502, 1505, 1505, 1520, 1542, 1551, 1552, 1684, 1691, 1697, 1736, 1770, 1772, 1773, 1779, 1780, 1788, 1975, 1981, 1993, 1996, 2000, 2013, 2124, 2228, 2399, 2401, 2407, 2408, 2412, 2415, 2427, 2437, 2440, 2451, 2452, 2478

—, non-volatile, techniques

C: 1929, 2091, 2118, 2122, 2125, 2127, 2128, 2274, 3285, 3308, 3360, 3662

G: 420, 452, 1097, 1232, 1241, 1693, 2084, 2147

P: 317, 1049

—, —, applications

C: 121, 398, 405, 421, 427-429, 2096, 2104, 2117, 3750, 3753, 3754, 3757, 3762, 3765, 3770-3772, 5099, 5183, 5772

G: 241, 260, 405, 415, 421, 424, 429, 437, 439, 443, 451, 454, 455, 458, 689, 763, 789, 796, 864, 1235, 1236, 1245, 1409, 1490, 1540, 1548, 1618, 1772, 1792, 1794, 1799, 1930, 1969, 2050, 2081, 2226, 2231, 2235, 2238, 2391, 2395, 2459

P: 66, 596

—, —, lactones

C: 3667, 4701

G: 50, 254, 257, 260, 396, 423, 577, 768, 818, 874, 1021, 1028, 1098, 1099, 1169, 1694, 1978, 1981, 2156

P: 803, 812

—, oxo acids

C: 942, 2098, 2099

G: 430, 670, 763, 791, 1234, 1244, 1383

P: 69, 331

—, cyclic acids, techniques and theory

C: 138, 407, 410, 414, 545, 1786, 1819, 1898, 1924, 2085, 2086, 2091, 2107, 2119, 2126, 2984, 3158, 3360, 3496, 3776, 4684, 5036, 5180, 5187, 5196, 5752

G: 252, 278, 301, 937, 1045, 1054, 1079, 1096, 1100, 1104, 1684, 1694, 1770, 2036, 2084

P: 68, 344, 426, 875, 903

E: 123, 905

—, —, applications, non-biological

C: 401, 402, 421, 1775, 1926, 1959, 2740, 2984, 3327

G: 295, 395, 431, 453, 615, 670, 698, 705, 716, 761, 773, 809, 822, 842, 846, 870, 874, 954, 1086, 1228, 1247, 1361, 1383, 1391, 1395, 1406, 1533, 1540, 1548, 1793, 1795, 1803, 1915, 1923, 2050, 2121, 2355, 2384, 2428

P: 279, 343, 904

—, —, —, microorganisms

C: 3760

G: 437, 1236

P: 69, 345, 594, 901

—, —, —, plants

C: 398, 2116, 3765, 4700, 5092, 5168

G: 368, 383, 818, 887, 1026, 1236, 1243, 1807, 2230, 2277

P: 260, 265, 513, 591, 812, 891, 905, 1052

—, —, —, animal material

C: 412, 528, 2087, 2088, 2109, 3191, 4413, 5191

- G: 417, 419, 796, 1227, 1237, 1481, 1792, 1800, 1930, 1969, 2146, 2229, 2231
P: 897, 900
- Carboxylic acids, cyclic acids, applications, food products
C: 266, 398, 403, 404, 415, 429, 1143, 1501, 3765, 5184, 5186
G: 763, 1225
P: 1055
E: 2541
see also Food analysis
- Cardiac depressants
C: 1451, 5978
G: 715
P: 515
- glycosides, techniques
C: 503
- —, applications, non-biological
P: 136
- —, —, biological
C: 2216
P: 960, 1047
- Cardiotonics (cardiostimulants)
C: 1407, 1413, 3105, 3114, 3127, 3143, 4591, 5957, 5977
G: 557, 1324, 2362
P: 778
- Catechins and tannins, *see* Tannins
- Catecholamines, reviews
C: 527, 3900
E: 4
- , techniques
C: 524, 2256, 2258, 2260, 2263, 3067, 3079, 3331, 3481, 3584, 3896, 4550, 4632, 5285-5289, 5307
E: 90, 172, 927, 1561
- , applications
C: 523, 525, 526, 528, 1206, 1210, 1354, 2254, 2255, 2257, 2259, 2261-2263, 3141, 3897, 3899, 3401, 5284, 5307
E: 2151
- , metabolites
C: 3898, 4195, 5285, 5286
- Cations, inorganic
C: 1556-1591, 3378-3409, 4736-4764, 6179-6240
P: 282-287, 531-539, 820-824, 1064-1070
E: 767-769, 1409-1413, 2007-2009, 2556-2564
- , —, reviews and books
C: 206, 3391, 3401, 3566, 6179, 6186, 6197, 6200, 6239
G: 1636
- , —, techniques
C: 22, 32, 48, 169, 203, 205, 1226, 1235, 1557, 1561, 1563, 1575, 1576, 1580, 1583, 1587, 1591, 2867, 3378, 3381, 3384, 3386, 3387, 3392-3394, 3397, 3398, 3402, 3403, 3410, 3430, 3522, 3525, 3583, 4736, 4743, 4746, 4754-4756, 4759, 4762, 4764, 4919, 4923, 5178, 5782, 6180, 6182, 6188, 6192-6196, 6198, 6201, 6207-6209, 6212, 6213, 6215-6218, 6224, 6227, 6228, 6230, 6233, 6235, 6238, 6242, 6268
G: 988, 2482, 2483
P: 282, 286, 531, 534, 536, 537, 539, 620, 820, 822-824, 998, 1065, 1067, 1068, 1070
E: 767, 768, 828, 830, 857, 1409, 1410, 1413, 2008, 2556, 2559, 2561-2564
- Cations, inorganic, analytical group I and IIa (Ag, Bi, Cd, Cu, Hg, Pb, Pd, Ti)
C: 178, 1560, 1562, 1566, 1572, 1577, 1581, 1582, 3395, 3397, 3407, 3408, 4745, 4746, 4750, 4751, 4757, 4758, 6151, 6221, 6226, 6232
G: 54, 55, 1351, 1987, 2308
P: 275, 535, 536, 1066
E: 2563
- , —, analytical group IIb (As, Mo, Sb, Se, Sn, Tc, Te, V, W)
C: 178, 1232, 1233, 1556, 1558-1560, 1567, 1588, 1590, 2864, 3381, 3392, 3404, 3405, 4748, 4752, 4753, 6183, 6187, 6222, 6234, 6250
G: 54, 55, 909, 912, 1881, 2022, 2024, 2306, 2307, 2456
P: 283, 287, 532, 535, 536, 827, 828
E: 2022
- , —, analytical group III (Al, Be, Co, Cr, Fe, Ga, Mn, Nb, Ni, Ta, Th, Ti, Zn, Zr)
C: 1232, 1236, 1237, 1560, 1569, 1581, 1884, 3378-3380, 3385, 3390, 3395-3397, 3400, 3409, 3421, 3434, 3525, 4737-4740, 4745, 4746, 4751-4753, 4776, 4779, 6151, 6185, 6199, 6202-6206, 6210, 6214, 6223, 6225, 6226, 6231, 6232, 6236, 6240
G: 55, 82, 1351, 1541, 1880, 2308
P: 285, 461, 533, 535, 536, 722, 821, 1069
E: 769, 2009, 2563
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- Cells, viruses and microorganisms
C: 1168, 1555, 1553, 3373, 3374, 4734, 4735, 6174, 6176, 6178
G: 115, 177, 401, 407, 411, 418, 422, 436, 437, 445, 448, 456, 459, 788, 792, 804, 896, 901, 1050, 1262, 1315, 1618, 1768, 1775, 1783, 1790, 1796, 2017, 2218, 2222, 2227, 2234, 2236, 2288
P: 281
E: 160, 762, 764-766, 1407, 2551, 2552
- , —, metabolites and taxonomical studies
G: 52, 354, 401, 418, 434, 437, 445, 448, 456, 459, 460, 785, 786, 788, 792, 804, 876, 883, 889, 901, 1050, 1195, 1200, 1220, 1236, 1327, 1330, 1353, 1551, 1552, 1775, 1780, 1783, 1790, 1791, 2011, 2219, 2222, 2290, 2343
P: 530
- Cellulose acetate *see* Polysaccharides and their constituents
- Cephalosporins
C: 1267, 1283, 1284, 1294, 1295, 1306, 1309, 1851, 2909, 2922, 2934, 2936, 2951, 2958, 4453, 4482, 4486, 4488, 5835, 5836, 5845, 5861
P: 181, 187, 189, 472, 684, 732
E: 839, 1386
- Ceramides, *see* Sphingolipids
- Cerebrosides, *see* Sphingolipids
- Chalcones
C: 287, 1991
G: 1184
P: 328
- Chelates, *see* Coordination compounds
- Chemotherapeutics
C: 1505, 3231, 6045, 6064
G: 754
P: 309, 794
see also Sulphonamides

Chloramphenicol and related compounds

C: 1311, 1848, 2962, 3091, 3331, 4456, 4489, 5819, 5841
 G: 1355, 1634
 P: 731, 1005
 E: 2528

Chloroplast pigments

C: 1353, 1355, 1357-1362, 1367-1369, 3014, 3020-3022, 3024, 3026, 4514-4516, 4518, 4519, 4521, 4523, 4524, 4728, 5899-5901
 P: 486

Choline and derivatives

C: 1445, 2235, 2267, 3184, 3902, 3903
 G: 592, 610, 2244
 P: 636, 711
 E: 1561

Cholinergic and cholinergic blocking substances

C: 1441, 2235, 3303
 G: 565, 715, 764, 775, 795, 1328, 1461
 P: 227
 E: 1485

see also Myorelaxants

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

Chromoproteins and metalloproteins

C: 397, 786-805, 807, 904, 909, 915, 916, 920, 928, 2420, 2441, 2454, 2471, 2474-2480, 2482-2491, 4052, 4056, 4088, 4107-4113, 4115, 4148, 4439, 5488-5507
 E: 277, 387-392, 503, 505, 1024, 1035, 1079, 1087-1095, 1502, 1522, 1632, 1669, 1679, 1704-1713, 2276-2285, 2399

—, structural studies

C: 627, 806, 2365, 2376, 2481, 4114
 E: 86, 197, 214

Cinchona alkaloids

C: 1179, 3209
 P: 710

Clinico-chemical applications (endogenous compounds in body fluids)

C: 305, 327, 332, 380, 422, 470, 479, 489, 490, 523, 526, 542-544, 547, 554, 555-557, 619, 738, 739, 742, 755, 760, 765, 789, 795, 796, 816, 1028, 1035, 1042, 1081, 1135, 1153, 1196, 1201, 1205, 1212, 1245, 1266, 1530, 1996, 2075, 2078, 2180, 2182, 2184, 2199, 2204, 2233, 2239, 2257, 2259, 2261, 2286, 2294, 2296, 2307, 2324, 2363, 2428, 2452, 2459, 2480, 2488, 2559, 2680, 2686, 2731, 2758, 2763, 2776, 2827, 2833, 2843, 2869, 2877, 2881, 2883, 2887, 2889, 2891, 3015, 3031, 3332, 3427, 3681, 3693, 3705, 3707, 3750, 3753, 3771, 3834, 3837, 3843, 3854, 3861, 3864, 3905, 3914, 3938, 3939, 3941, 4081, 4082, 4090, 4092, 4132, 4134, 4154, 4195, 4205, 4232, 4250, 4255, 4313, 4332, 4340, 4346, 4376, 4377, 4392, 4401, 4418, 4687, 4726, 5121, 5151, 5176, 5233, 5235, 5236, 5244, 5259, 5303, 5309, 5342, 5466, 5475, 5493, 5503, 5506, 5691, 5695, 5696, 5700, 5704, 5789, 5828, 6120, 6128-6130
 G: 358, 373, 419, 424, 442, 451, 474, 483, 489, 494, 532, 541, 550, 568, 576, 612, 789, 794, 797, 1176, 1185, 1192, 1217, 1218, 1251, 1253, 1267, 1284, 1314, 1325, 1458, 1567, 1708, 1779, 1787, 1818, 1820, 1839, 1849, 1871, 1880, 1966-1968, 2070, 2193, 2214-2216, 2255, 2272, 2275, 2280, 2288, 2391
 P: 112, 123, 148, 153, 281, 411, 637, 688, 934
 E: 138, 154-156, 158, 159, 161, 162, 175, 210, 247, 322, 338, 340, 344, 348, 367, 477-479, 563, 587, 606, 880, 891, 900, 908, 913, 914, 917, 1050, 1055, 1133, 1238, 1278, 1312, 1315, 1510,

1524, 1527, 1535, 1538, 1543, 1546, 1551, 1559, 1678, 1681, 1682, 1693, 1769, 1790, 1803, 1810, 1814, 1818, 1819, 1849, 1852, 2129, 2133, 2137, 2140, 2141, 2143, 2147, 2149, 2220, 2255, 2344, 2353, 2355, 2357-2359, 2385, 2450, 2469, 2540

see also individual categories of endogenous compounds

Clinico-chemical applications, reviews and books

C: 1097, 3329, 3330, 3900, 6127
 G: 1, 714, 785, 786, 1487, 1964
 P: 268
 E: 8, 339, 394, 772, 1400, 2440

—, profiling body fluids

C: 1569, 2834
 G: 89, 375, 422, 427, 435, 436, 439, 440, 465, 466, 470, 478, 479, 493, 548, 549, 554, 788, 791-793, 796, 1231, 1233, 1236, 1254, 1256, 1260, 1261, 1266, 1269, 1271, 1275, 1277-1279, 1308, 1488-1491, 1627, 1776, 1789, 1792, 1804, 1805, 1824, 1837, 1840, 1848, 1937, 1965, 1969, 2231, 2235, 2393-2395
 P: 520, 1054

Coal analysis

C: 3626, 4729, 5049(review), 6169
 G: 31, 42, 161, 176, 292, 324, 863, 871, 872, 885, 1116, 1117, 1168, 1558, 1670, 2016, 2158, 2444, 2453

Coal tar and bitumens, hydrocarbons in

C: 255, 256, 3626, 3627, 5045, 6214
 G: 370, 862, 871, 1110, 1140, 1168, 1558, 1559, 2002, 2016, 2076, 2444
 P: 566, 866
 E: 122

Cobalamins, *see* Vitamins, B₁₂ groupCobalt, *see* Cations, inorganic, analytical group III

Coccidiostatics

C: 1535, 4664, 6054

Colchicum alkaloids

P: 705

Contraceptives

C: 2201
see also Steroids

Coordination compounds

C: 1231-1237, 1591, 1797, 2864-2868, 3392, 4746, 4752, 4764, 5778-5783, 6103, 6193, 6198, 6211, 6223, 6224, 6230, 6232
 G: 25, 54, 55, 80, 82, 1351, 1550, 1881, 2308, 2482, 2483
 P: 230, 461, 462, 722, 1040
 E: 928, 1385, 2521-2523
see also Amino acids, metal complexes

—, reviews

C: 3406, 6171
 P: 989, 998

Copper, *see* Cations, inorganic, analytical group IIaCoronar vasodilatans, *see* Vasodilatans

Cosmetics

C: 1349, 2270, 2870, 3123, 3293, 3305, 3307, 3323, 4688, 6067, 6097, 6106
 G: 108, 234, 237, 378, 516, 525, 808, 860, 873, 1560, 1756, 1808, 2194, 2256, 2268, 2384, 2448
 P: 516, 1059, 1060

Coumarins

C: 399, 1989, 3663, 5065, 5077
 G: 1743, 2258
 P: 51, 576, 577, 808, 887, 1055

Crude oil and petroleum analysis

C: 252, 254, 3349, 4718, 5050, 5744, 5758, 5760, 6165(review)
 G: 9, 28, 61, 87, 99, 134, 197, 233, 269, 311, 312, 315, 326, 351, 352, 355, 356, 363, 567, 843, 875, 877, 878, 886, 897, 900, 903, 920, 944, 975, 990, 1009, 1038, 1088, 1117, 1124, 1127, 1128, 1143, 1145, 1146, 1150, 1151, 1167, 1169-1172, 1247, 1295, 1335, 1339, 1368, 1508, 1526, 1537, 1539, 1553, 1555, 1558, 1604, 1641, 1654, 1659, 1670, 1674, 1706, 1729, 1738, 1861, 1878, 1925, 2003, 2016, 2071, 2158, 2171, 2175, 2178, 2180, 2181, 2292, 2443, 2460, 2461, 2464, 2465, 2467, 2468

P: 314

see also Hydrocarbons, complex mixtures

Cyanates, see Halides and other inorganic halogen compounds

Cyanides, see Halides and other inorganic halogen compounds

Cytostatics

C: 532, 932, 1136, 1140, 1141, 1149, 1470, 1487-1500, 1503, 1702, 1961, 2050, 2426, 2756, 2770, 2784, 2785, 2813, 2899, 2915, 3257-3274, 3285, 3885, 4444, 4483, 4552, 4671-4679, 4690, 5734(review), 5811, 5818, 5821, 5824, 6079-6088

G: 536, 729, 756, 757, 1312, 1469, 1470, 2250, 2386

P: 241, 261, 444, 707, 793

E: 759

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

D

Deficiens, see Antibacterials

Detergents, see Surfactants, emulsifiers and detergents

Diagnostics

C: 1507, 2036, 2864, 3295, 3299, 4691

G: 787

P: 797, 1021

Diazines

C: 1211

P: 454

Dioxans and dioxins

C: 284(review), 1939, 5078

G: 57, 58, 153, 163, 163, 164, 207, 247, 381, 382, 385-389, 828, 873, 938, 942, 1011, 1036, 1197-1199, 1201-1207, 1507, 1742, 1746-1754, 1759, 1931, 2010, 2088, 2130, 2205, 2207-2212, 2356

Disulphides

C: 5763

G: 7, 248, 581, 582, 584, 810, 814, 816, 818, 857, 911, 1338, 2067, 2068, 2137, 2291, 2399

Diuretics

C: 222, 1513, 1518, 1722, 2783, 3114, 3278, 3283, 3309, 4358, 4367, 4570, 4578(review), 4590, 4595, 4953, 5718, 5725-5727, 5966, 5978, 6027, 6089, 6094, 6100, 6101, 6105, 6121

G: 231, 557, 766, 767, 774, 1634, 1682, 2284

P: 223, 777

E: 2517

DNA, reviews

C: 683, 1171, 2779, 4031, 4032, 4789, 4797, 4911, 4947, 5406

G: 1847

E: 235, 689, 707, 712, 771, 773, 774, 1338, 1347, 1420, 1905, 1906, 1922, 1923, 1930, 1932, 1966, 1970, 2440, 2442, 2464,

2465

DNA, techniques

C: 1154, 1168-1170, 2778, 2780, 4351, 4352, 4354, 4356, 4943, 5024, 5714, 5715, 5717, 5777

E: 32, 46, 98, 99, 219, 239, 626, 655, 657-662, 664, 667, 668, 671, 673, 674, 676-681, 684, 687, 691, 694, 696-699, 701, 703, 705, 706, 710, 715, 840, 1307, 1310, 1311, 1314, 1317, 1319, 1321, 1325, 1326, 1328-1332, 1334, 1336, 1337, 1339, 1341-1343, 1345, 1346, 1348, 1350-1353, 1447, 1458, 1471, 1472, 1718, 1875, 1890, 1891, 1894-1898, 1900, 1901, 1904, 1907-1911, 1914, 1915, 1917, 1918, 1921, 1924, 1925, 1928, 1929, 1931, 1933-1935, 1938, 1940, 1942, 1994, 2003, 2030, 2068, 2084, 2087, 2434-2439, 2441, 2443, 2444, 2447, 2449, 2451-2453, 2455, 2456, 2461-2463, 2466-2468, 2473, 2475, 2493, 2514

—, applications, non-biological

C: 2777, 4355, 5492, 5777

G: 1592

P: 541

E: 264, 292, 337, 564, 656, 665, 666, 675, 681, 682, 686, 688, 693, 695, 700, 708, 711, 713, 714, 728, 1165, 1283, 1286, 1308, 1309, 1312, 1316, 1318, 1320, 1324, 1327, 1333, 1340, 1349, 1766, 1888, 1892, 1893, 1899, 1902, 1903, 1913, 1916, 1919, 1937, 1941-1943, 1945, 1976, 2206, 2272, 2358, 2359, 2380, 2431, 2445, 2454, 2459, 2469-2472, 2474

—, —, microorganisms

C: 2776, 4144

E: 292, 636, 672, 1309, 1315, 1911, 1920, 1922(review), 1941, 2433, 2446, 2449, 2457, 2458, 2460, 2554

—, —, plants

C: 1166

E: 702, 707(review), 1324, 2448

—, —, animal material

C: 859, 1167, 2776, 4350, 4353, 4355, 5716

E: 154, 156, 411, 654, 663, 669, 670, 684, 685, 690, 692, 695, 704, 709, 714, 1231, 1313, 1315, 1322, 1323, 1335, 1344, 1349, 1444, 1766, 1897, 1912, 1926, 1927, 1936, 1939, 1994, 2355, 2358, 2359, 2420, 2431, 2432, 2450

—, structural studies

C: 250, 1173, 1174, 2782, 4323

G: 551, 552, 555, 1325, 1481

E: 36, 660, 673, 682, 717-744, 791, 1331, 1359-1382, 1469, 1924, 1940, 1948, 1954-1965, 1966(review), 1967-1969, 1970(review), 1971-1974, 2043, 2047, 2206, 2443, 2451, 2463, 2479-2513

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

C: 1161, 1175, 2777

E: 745, 746, 1232, 1320, 1948, 1975-1977, 2452, 2514-2516

Drug monitoring and pharmacokinetics studies, reviews and books

G: 1, 927, 1929, 2158

see also individual categories of drugs

Drugs of abuse (general papers)

C: 3288, 4543, 4695, 6021, 6040

G: 1265, 1424, 1459, 2376

P: 510(review), 799

see also individual categories of drugs

Drugs, other

C: 1512, 1516, 1520, 1521, 3172, 3185, 3219, 3223, 3276, 3280, 3282, 3287, 3297, 3850, 3853, 4686, 4690, 4694, 5142, 5981, 6098, 6102, 6110, 6114

P: 795, 804

Drugs, synthetic, *see* Pharmaceutical applications and individual types of drugs

Dyes, natural, *see* Pigments, natural

Dyes synthetic, reviews

C: 3007

—, theory and techniques

C: 232, 1350, 1351, 4938, 5897

P: 765, 767, 768, 859, 1019, 1020

E: 1390

—, applications

C: 2001, 2844, 4396, 5884, 6077

G: 328, 704, 1326, 2004, 2015, 2466

P: 212, 213, 1021, 1051

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

E

Ecdysones and other insect hormones of steroid nature

C: 2211, 2212, 2213(review), 2214, 3875, 3876

G: 1822

P: 956(review), 957

Elemental analysis (including functional group analysis)

G: 126-128, 133, 242, 605, 988, 998, 1005, 1350, 1620, 1623, 1630, 1637, 1673, 1674, 2068, 2075, 2131, 2479

Endorphins, enkephalins and their analogues

C: 610, 613, 2325, 2338, 2340, 2366, 2369, 2720, 3899, 3986, 5360, 5379

Environmental analysis (general papers)

C: 1541, 1589, 3410, 3583, 3620, 4405, 4717-4719, 5773, 6202, 6247, 6270

G: 104, 132, 148, 221, 382, 526, 622, 861, 1086, 1157, 1362, 1423, 1508, 1509, 1636, 1705, 1881, 2070, 2419, 2477

P: 205, 271, 1066

E: 2518, 2529, 2544

—, —, reviews and books

C: 1855, 1866, 3342, 3343, 3347, 3350, 4407, 4492, 6142-6144, 6171

G: 222, 785, 828, 830, 926, 927, 1006, 1337, 1510, 2158, 2418, 2420, 2424, 2425

Enzymes (including activity measurement)

C: 888-1133, 2555-2753, 4177-4322, 5560-5681

G: 550, 1323, 1846

P: 161, 443, 698

E: 490-622, 1170-1274, 1772-1856, 2325-2392

—, general techniques

C: 888, 889, 1097(review), 3437, 4021, 4023, 4177-4179

E: 336, 346, 558, 2010, 2035, 2325

—, activity measurement

C: 924, 942, 1017, 1048, 1097(review), 1731, 2135, 2300, 2340, 2623, 2628, 2673, 2740, 4186, 4195, 4232, 5333, 5590, 5656, 5681

G: 1820

P: 636, 638

E: 578, 600, 607, 990, 1187, 1229, 2364, 2382

—, complex mixtures and incompletely defined enzymes

C: 1131-1133, 2752, 2753, 4322, 5567, 5680, 5681

E: 621, 622, 1274, 1854-1856, 2391, 2392

Enzymes, complex mixtures and incompletely defined enzymes, structural studies

E: 204

see also individual categories of enzymes

Ephedra alkaloids

C: 1896

G: 147, 561, 724, 748, 765, 1483, 1851, 1940

P: 988

E: 1979

Epoxides

C: 292, 1889(review), 3678, 3683, 5081, 5084, 5087, 5092

G: 258, 391, 1028, 1209, 1210, 1696, 2213

P: 591, 596, 891

Epoxy resins

C: 1374, 3683, 4532

G: 294, 845, 979, 1403, 2213

Ergot alkaloids

C: 2791, 3209, 4359

G: 566, 1852

P: 20

E: 1383

Essential oils

C: 512, 2225, 3407, 5266

G: 105, 147, 176, 224, 461, 501, 502, 504-512, 515-523, 587, 653, 771, 772, 799, 965, 991, 1015, 1016, 1282, 1288-1294, 1297, 1298, 1500, 1503, 1608, 1683, 1690, 1827, 1828, 1830, 1831, 1976, 1978, 2071, 2080, 2119, 2136, 2143, 2258, 2259, 2261, 2262, 2265, 2266, 2414

P: 138-140, 519, 677, 807, 809

Ethers, aliphatic ethers

C: 1922, 3352, 5087-5089

G: 22, 62, 69, 153, 157, 163, 164, 182, 215, 221, 392, 395, 399, 693, 703, 853, 867, 911, 934, 947, 948, 958, 962, 963, 1010, 1012, 1045, 1603, 1735, 1810, 1833, 1931, 1957, 2090, 2095, 2125, 2214, 2408, 2412, 2447, 2452, 2470

P: 579, 645, 889

—, cyclic ethers

C: 301, 3638, 5085

G: 24, 215, 252, 391, 790, 1101, 1209, 1210, 1694, 1696, 1756, 2010, 2213, 2217, 2356

Expectorants

C: 3124

Explosives

C: 4502, 5267, 5269, 5270(review), 5753

G: 108, 881, 1304, 1305, 1497, 1535, 1832, 2060, 2447, 2449

F

Flame retardants

G: 869, 882, 1549

Flavins, *see* Vitamins, B₂ and other flavins

Flavonoids and γ -pyrone derivatives

C: 262-269, 1964-1972, 3320, 3642-3652, 4703, 4705, 4708, 5064-5070, 6110, 6124

G: 375-377, 1184, 1195, 1685, 1762, 1807, 2454

P: 23, 41-44, 317, 321, 571-574, 809, 810, 882, 883, 1052

E: 123, 870, 871, 1995

Flavours, volatiles, odours, *see* Organoleptics

Fluorinated antibiotics

C: 1318, 2965, 4456, 4460, 5832

Folic acid and other pteridine derivatives

C: 1133, 1260, 1264, 1490, 2871, 2894, 2899, 2901, 4425, 4678, 5792, 5796

Food analysis

C: 88, 245, 253, 264, 266, 270, 273, 278-280, 282, 283, 298, 301, 307, 311, 319, 330, 339, 398, 403, 404, 415, 429, 463, 464, 491, 510, 521, 525, 543, 554, 555, 1143, 583, 799, 803, 814, 819, 937, 1202, 1206, 1214, 1227, 1249, 1252, 1259, 1262, 1279, 1300, 1324, 1330, 1342, 1345, 1363, 1365, 1428, 1482, 1483, 1501, 1524, 1526, 1532, 1534-1539, 1584, 1602, 1937, 1941, 1962, 1964, 1973, 1975, 1978, 1979, 1983, 1984, 1986, 1993, 2005, 2008, 2052-2054, 2074, 2090, 2093, 2105, 2109-2111, 2115, 2116, 2121, 2158, 2178, 2195, 2237, 2240, 2244, 2274, 2278, 2281, 2283, 2303, 2305, 2342, 2378, 2412, 2496, 2499, 2503, 2505, 2755, 2783, 2805, 2872, 2873, 2878, 2890, 2897, 2905, 2906, 2908, 2925, 2930, 2934, 2947, 2948, 2962, 2970, 2980, 2997, 2998-3000, 3005, 3014, 3022, 3023, 3026, 3236, 3301, 3334-3341, 3360, 3365, 3386, 3403, 3411, 3425, 3426, 3428, 3475, 3612, 3616, 3636, 3654, 3655, 3659, 3664, 3666, 3669, 3675, 3687, 3701, 3715, 3720, 3767, 3788, 3823, 3893, 3901, 3907, 3915, 3930, 3940, 4017, 4073, 4362, 4382, 4397, 4411, 4419, 4423, 4424, 4430, 4432, 4457, 4465, 4489, 4491, 4499, 4502, 4515, 4518, 4667, 4715, 4716, 4774, 4775, 4987, 5057, 5060, 5070, 5072, 5073, 5093, 5099, 5106, 5130, 5166, 5171, 5184, 5186, 5211, 5212, 5214, 5215, 5222, 5232, 5271, 5294, 5304, 5306, 5444, 5446, 5448, 5511, 5748, 5757, 5765, 5768, 5786, 5787, 5791, 5792, 5794, 5800, 5804, 5806-5809, 5819, 5822, 5833, 5863, 5869, 5884, 5886-5888, 5894, 5895, 5898, 5900, 6054, 6060, 6061, 6115, 6122, 6132-6141, 6161-6163, 6219, 6261

G: 85, 96, 110, 241, 245, 256, 275, 302, 313, 326, 327, 345, 357, 361, 379, 396, 405, 416, 421, 443, 458, 468, 469, 487, 490, 492, 505, 507, 531, 553, 556, 571, 582, 595, 600, 602, 616, 618, 624, 625, 627, 628, 635, 636, 638, 641, 642, 647, 649, 650, 655-659, 661-665, 667, 675-677, 706, 794, 798-802, 805-807, 809, 810, 812-815, 817-822, 884, 960, 961, 994, 1038, 1061, 1110, 1141, 1156, 1161, 1181, 1187, 1215, 1216, 1219, 1221, 1225, 1228, 1236, 1258, 1262, 1268, 1272, 1287, 1296, 1306, 1318, 1321, 1332, 1341, 1346, 1354-1356, 1358-1360, 1363, 1364, 1367, 1370, 1375, 1377, 1384, 1386, 1387, 1392, 1394, 1395, 1428, 1492-1506, 1566, 1608, 1609, 1687, 1692, 1697, 1714, 1730, 1732, 1733, 1735, 1736, 1739, 1740, 1744, 1745, 1754, 1755, 1760, 1769, 1772, 1778, 1784, 1786, 1791, 1799, 1823, 1825, 1826, 1831, 1842-1844, 1850, 1863, 1866, 1875, 1876, 1878, 1882, 1886, 1894, 1899, 1904, 1905, 1910, 1912, 1971-1977, 1979-1982, 2001, 2045, 2062, 2065, 2073, 2159, 2163, 2191, 2203, 2204, 2212, 2223, 2226, 2240, 2241, 2245, 2254, 2256, 2257, 2276, 2278, 2285, 2294, 2300, 2309, 2312, 2322, 2329, 2339, 2396-2413, 2415, 2416

P: 47, 124, 143, 190, 209, 214, 251, 270, 269, 325, 336, 341, 358, 394, 417, 504, 521, 537, 575, 610, 648, 678, 680, 767, 770, 792, 892, 899, 953, 958, 995, 1013, 1014, 1043, 1055, 1061

E: 170, 368, 1099, 1104, 1333, 1402, 1660, 1897, 1996, 2166, 2167, 2175, 2394, 2541-2543

—, reviews

C: 284, 1250, 1256, 1531, 1533, 2223, 2421, 2492, 3333, 4712-4714, 6131

G: 1970, 2028, 2158

E: 1401, 2097

see also Antioxidants and preservatives; Medicated feeds; analysis of individual food constituents

Food dyes

C: 3334, 5894

P: 214, 767

Free radicals

C: 6266

Fumigants

G: 1394, 1898, 1984

Fungicides

C: 1318, 1343-1345, 1347, 2998, 2999, 4456, 4508, 4509, 4665, 5832, 5882-5886

G: 617, 676, 677, 679, 1356, 1392, 1393, 2199, 2325, 2336-2338, 2377

P: 788, 1048

Furans

C: 283, 284(review), 538, 1962, 1990, 1993, 1994, 2002, 2122, 3664-3667, 3915, 4701, 5093, 5271, 5819

G: 22, 24, 38, 62, 69, 153, 241, 247, 252, 258, 364, 384, 385, 387, 388, 397, 698, 809, 816, 818, 846, 862, 881, 887, 911, 924, 942, 958, 964, 1028, 1052, 1100, 1198, 1199, 1202, 1204, 1206, 1207, 1505, 1542, 1544, 1691, 1692, 1746, 1747, 1750, 1751, 1753, 1931, 2026, 2038, 2113, 2139, 2153, 2205, 2209, 2211, 2212, 2233, 2399, 2437, 2442, 2460

P: 678

Furocoumarins

C: 285

G

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

Gangliosides, *see* Sphingolipids

Gases

C: 1604, 5034

G: 27, 53, 88, 129, 134, 308, 909, 910, 915, 1132, 1517, 2019, 2043, 2104, 2432, 2472, 2474, 2476, 2477, 2486

Gibberelins

C: 1198(review), 1199, 4383, 5173, 5743

see also Indoles

Glucosinolates

C: 1215, 1216, 2837, 5761

E: 1981

Glycerides, simple

C: 451, 453, 456, 458, 1006, 2142, 2146, 2148, 2149, 2164, 2171, 3789, 3797, 3805, 5226

G: 256, 467, 613, 1262, 1553, 1646, 1808, 2009, 2244

P: 74, 75, 88, 96, 101, 111, 118, 354, 355, 361, 382, 385, 387, 399, 605, 606, 612, 642, 921, 936

see also Carboxylic acids; higher fatty acids, simple esters

Glycolipids

C: 438, 445, 446, 448, 450, 461, 462, 2154, 2166, 2170, 2175, 3818, 5213

P: 71, 81, 83, 85, 86, 89, 94, 95, 107, 110, 115, 117, 120, 131, 363, 372, 384, 395, 404(review), 585, 614, 617, 618, 621, 625, 628, 632, 633, 652, 914, 920, 925, 931, 937

see also Phospholipids; Sphingolipids

Glycols and polyols

- C: 257, 1948, 1950, 2017, 3795, 5052
 G: 23, 108, 262, 265, 295, 361, 693, 797, 881, 948, 1028, 1041, 1048, 1097, 1174, 1176, 1179, 1180, 1583, 1601, 1649, 1650, 1691, 1696, 1735, 1739, 2050, 2193, 2196, 2214, 2221
 P: 877

Glycoproteins and glycopeptides, techniques

- C: 370(review), 391, 2052-2054, 2071, 2078, 3700, 3727, 3733, 5145, 5150, 5152, 5153, 5162, 5472
 E: 133, 136, 902, 903, 1517, 2118, 2119, 2122, 2123, 2125, 2127, 2259

—, applications, non-biological

- C: 367, 369, 374, 389, 2057, 2065, 3730, 3738, 3742, 3744, 3747, 5144
 P: 338
 E: 143, 144, 290, 885, 888, 889, 893, 894, 897, 898, 904, 1134, 1514, 1516, 1518, 1523, 1525, 1602, 2124, 2209

—, —, microorganisms

- C: 379, 2070, 2073, 2076, 2083, 5156
 E: 134

—, —, plants

- C: 390, 1529, 2075, 2079
 E: 145, 896, 900, 1513
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—, —, animal material

- C: 368, 371, 376, 380-384, 386-389, 392, 394-397, 762, 830, 850, 2062-2064, 2066, 2069, 2074, 2078, 2080-2082, 2435, 3732, 3733, 3735, 3736, 3739, 3741, 3743, 3747, 3749, 4173, 5146, 5149, 5153, 5158, 5159, 5163
 E: 132, 135, 137-139, 142, 144, 146, 147, 421, 886, 891, 892, 899, 901, 904, 1047, 1510, 1512, 1515, 1521, 1522, 1524-1526, 1684, 1706, 1745, 2121, 2126, 2253

—, structure investigation

- C: 366, 372, 375, 1100, 2012, 2013, 2059-2061, 2063, 2067, 2068, 2072, 3728, 3737, 3740, 3745, 3746, 3937, 3949, 5147, 5157, 5162, 5388
 E: 140, 890, 895, 1510, 1520

Glycosaminoglycans (including proteoglycans of connective tissue)

- C: 116, 342-346, 352, 355, 360, 363, 364, 379, 462, 2037, 2039, 2044, 2077, 2623, 3707-3710, 3712-3715, 3718-3720, 3722, 3723, 3725, 3726, 3729-3731, 3734, 3742, 4106, 5123, 5125-5127, 5129, 5134-5137, 5139-5141, 5151, 5161, 5164, 5230
 E: 128-130, 141, 880, 881, 883, 1511, 1703, 2113, 2114

see also Glycoproteins and glycopeptides, applications, animal material

—, structural studies

- C: 348, 356, 362, 2033, 2035, 2045, 2048, 2049, 3717, 3736, 3746, 5128
 G: 919
 E: 883, 884
 see also Carbohydrates, derivatives, amino sugars

Growth factors

- C: 410, 580, 594, 600, 885, 1254, 2888, 3281, 3968-3970, 3982, 3995, 4413, 4662, 5329, 5338, 5374, 5557, 5789
 G: 421, 570, 754, 1341, 1870, 2289
 E: 1764

see also Pituitary hormones and proteins; Gibberelins

Gold, see Platinum metals and gold

Guanidine and guanidine derivatives

- C: 514, 532

H

Haemagglutinins and blood determining substances

- C: 2034

Haemostatics

- C: 1510, 1511, 3099, 3282, 5961
 P: 243, 244

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

- C: 1563, 1592, 1594, 1595, 1717, 3411, 3416, 3419, 3423, 3429, 4765, 4766, 4770, 4773, 5014, 5061, 6244-6246, 6248, 6251, 6252, 6261
 G: 27, 605, 907, 908, 922, 1285, 1560, 1561, 1565, 1566, 1622, 2090, 2477, 2482, 2483
 P: 288

Hallucinogens (including cannabis constituents)

- C: 4707, 6040
 G: 1464, 1474-1477, 1961, 2376
 P: 447, 783

Halogen derivatives of hydrocarbons, see Hydrocarbons, halogen derivatives

Halogens

- C: 3412(review)
 G: 128, 133, 1349, 1566, 1567, 1569, 1620, 1622, 1623, 1674

Herbicides, general techniques

- C: 1145, 1335, 1339-1342, 1786, 1982, 2986, 2991, 2995-2997, 3583, 4491, 4501, 4503, 5876
 P: 324, 550, 1017
 E: 1984, 2530

—, carboxylic acid, anilides and related compounds

- C: 1331, 1333, 1338, 2984, 2985, 2987, 2989, 2990, 4500, 4502, 4504, 5879, 5880
 G: 261, 591, 665-671, 673, 680, 1083, 1094, 1361, 1383, 1384, 1386, 1388, 1390, 1391, 1511, 1528, 1777, 1863, 1905-1907, 1910, 1911, 1915, 2327, 2329, 2333-2335
 P: 485

—, triazine derivatives

- C: 1332, 1334, 1336, 1337, 2983, 2988, 3345, 3461, 4494, 4505, 4506, 5870, 5877(review), 5878, 5881
 G: 631, 668, 1361, 1389, 1497, 1909, 1911, 2312, 2313, 2326, 2330
 P: 1016
 E: 1983

—, urea derivatives

- C: 1330, 2970, 2992-2994, 3345, 4494, 4507
 G: 623, 668, 672, 1385, 2312, 2328, 2331

Heterocyclics, nitrogen (other)

- C: 1202-1204, 1208, 1209, 2829, 2832, 4388, 4884, 5691, 5751, 6002
 G: 258, 577, 578, 991, 1858, 2289
 P: 171, 454, 523, 717, 992
 see also individual groups of nitrogen containing heterocyclics and drugs

—, oxygen (other)

- C: 1992, 3662, 3666, 5076
 G: 257, 258, 831, 1200, 1978, 2394
 P: 42-44, 961, 992
 see also individual groups of oxygen containing heterocyclics

- Heterocyclics, sulphur (other)
 C: 2282, 3887, 4392, 5758
 G: 258, 587, 1978
 P: 457, 768
 E: 2520
see also Thiazoles and isothiazoles; Thiophenes
- Histamine and related substances
 C: 1143, 1206, 1210, 2236, 2831, 5748, 5749, 5757
 G: 714, 1487
 P: 143
see also Imidazoles
- Hormones peptidic and proteinous (including synthetic analogues)
 C: 13(book), 566, 568, 580, 581, 587, 590, 594, 597, 600, 604, 607, 612, 617, 2330, 2333, 2334, 2349, 2354, 2361, 3966, 3967, 3972, 3980, 3984, 3987, 3990, 3996, 3999, 5330, 5335, 5344, 5375, 5377
 E: 184, 851, 933, 1584
see also individual categories of peptidic hormones
- , synthesis and structural studies
 C: 570, 621, 1813, 2329, 2339, 2352, 5364
- Humic acids
 C: 3028
 G: 851, 2233, 2454, 2478
 E: 1391, 1985
- Hydrazines, hydrazides and hydrazones
 C: 532, 2274
 G: 421, 791, 1310
- Hydrides
 G: 909, 913, 1568, 2024, 2109
- Hydrocarbons
 C: 238-256, 1919-1945, 3612-3627, 5031-5050
 G: 305-334, 336-356, 1123-1172, 1706-1734, 2169-2192
 P: 36-38, 313-315, 564-566, 873-875
 E: 122, 1504, 2104, 2105
- , reviews and books
 C: 4918, 5031, 5038, 5048, 5049, 6165
 G: 1712, 2192, 2434
 P: 833
- , theory and techniques
 C: 1744, 1921, 1922, 5046
 G: 7, 11, 22, 26, 29, 30, 32, 36, 38, 43, 47, 56-58, 62, 63, 66, 73, 75-77, 79, 101, 105, 116, 121, 124, 125, 131, 133, 150, 153, 155-157, 162-164, 168, 169, 173, 176, 178-180, 182, 186, 197, 198, 203, 207, 210, 214, 215, 227, 234, 248, 257, 258, 270, 272, 278, 280, 284, 287, 301, 353, 708, 924, 936, 941, 942, 947-949, 953, 955, 958, 978, 980, 1000, 1007, 1010-1013, 1024, 1026, 1027, 1030, 1032, 1036, 1037, 1046, 1048, 1051, 1058, 1064, 1069, 1074, 1075, 1085, 1092, 1112, 1116, 1575, 1578, 1580, 1585-1587, 1600, 1601, 1603, 1644, 1649, 1651, 1654, 1658, 1661, 1681, 1684, 1702, 1715, 1734, 1921, 1922, 2035, 2078, 2079, 2084, 2088, 2090, 2094-2096, 2102, 2103, 2111, 2112, 2117, 2119, 2125, 2127, 2129, 2150, 2162, 2164, 2166, 2168, 2170, 2173, 2186, 2192
- , aliphatic
 C: 137, 238, 1919, 1920, 3612, 4838
 G: 7, 20, 21, 36, 41, 52, 57, 69, 73, 75, 87, 101, 125, 142, 144, 146, 150, 156, 162, 166, 168, 171, 193, 208, 210, 227, 234, 305-308, 310-312, 314-318, 354, 355, 422, 567, 685, 790, 803, 815, 831, 857, 870, 876, 886, 893, 900, 910, 913, 921, 929, 952, 980, 981, 996, 1007, 1035, 1042, 1051, 1058, 1064, 1069, 1081, 1083, 1110, 1125-1127, 1129-1131, 1133, 1134, 1169, 1236, 1341, 1401, 1407, 1422, 1509, 1517, 1526, 1541, 1562, 1564, 1568, 1571, 1575, 1580, 1585, 1586, 1594, 1600, 1610, 1622, 1641, 1658, 1702, 1707, 1708, 1734, 1921, 1922, 1925, 1927, 1994, 2003, 2021, 2022, 2033, 2071, 2079, 2098, 2104, 2111, 2171, 2172, 2247, 2296, 2342, 2345, 2356, 2453, 2471, 2473-2475, 2477, 2487
 P: 313, 314, 873
 E: 2104
- Hydrocarbon, cyclic
 C: 21, 98, 121, 122, 126, 137, 138, 238-251, 1652, 1739, 1772, 1775, 1786, 1788, 1819, 1840, 1923-1937, 1942, 2195, 2865, 3033, 3467, 3483, 3502, 3506, 3511, 3512, 3516, 3524, 3557, 3613-3623, 4396, 4834, 4851, 4852, 4858, 4918(review), 4981, 5031(review), 5032-5037, 5038(review), 5039-5042, 6119
 G: 7, 24, 43, 48, 61, 63, 76, 79, 83, 107, 110, 116, 119, 124, 131, 158, 166, 189, 205, 218, 221, 227, 232, 238, 241, 257, 258, 270, 272, 274, 277, 278, 280, 284, 287, 294, 301, 319, 321-328, 358, 395, 573, 694, 705, 706, 781, 783, 818, 828, 831, 838, 846, 848, 852, 863, 942, 946, 955, 990, 1021, 1026, 1027, 1043, 1046, 1054, 1057, 1058, 1072, 1074-1076, 1086, 1088, 1090, 1092, 1100, 1107, 1113, 1116, 1128, 1135, 1137-1150, 1197, 1406, 1481, 1505, 1508, 1512, 1522, 1523, 1551, 1555, 1557, 1578, 1580, 1591, 1632, 1641, 1651, 1704, 1709-1711, 1713, 1714, 1716, 1734, 1787, 1927, 1996, 2026, 2029, 2035-2037, 2049, 2076, 2096, 2102, 2122, 2125, 2133, 2135, 2137, 2151, 2162, 2164-2166, 2168-2170, 2174-2177, 2179, 2242, 2341, 2423, 2426, 2430, 2436, 2437, 2446, 2454, 2462, 2478
 P: 7, 13, 36-38, 272, 274, 279, 290, 314, 457, 487, 523, 564, 565, 833(review), 864, 874, 875
 E: 859, 1490, 2105
- , halogen derivatives
 C: 261, 515, 1739, 1938, 1939, 2978, 3476, 3517, 3524, 3621, 3624, 3625, 4851, 4860, 5033, 5043, 5044
 G: 24, 37, 69, 71, 76, 86, 111, 127, 148, 150, 161, 188, 189, 205, 209, 221, 226, 258, 261, 294, 319, 330-334, 336-350, 385, 618, 625-629, 631, 633, 637, 640, 641, 643-648, 651, 692, 694, 696, 717, 814, 824, 827-829, 838-840, 849, 850, 852, 853, 865, 890, 938, 942, 944, 963, 994, 1002, 1007, 1017, 1028, 1055, 1057, 1060, 1064, 1070, 1071, 1086, 1135, 1152-1160, 1162-1166, 1236, 1366-1368, 1372, 1373, 1394, 1423, 1507, 1513, 1514, 1517, 1519, 1531, 1545, 1566, 1578, 1590, 1594, 1622, 1624, 1633, 1635, 1644, 1716-1728, 1746, 1759, 1833, 1862, 1882, 1886-1890, 1892, 1895, 1912, 1916, 1995, 1996, 2071, 2099, 2100, 2103, 2147, 2151, 2180-2185, 2187-2191, 2319, 2346, 2356, 2426, 2430, 2446, 2452, 2458, 2476
 P: 10, 39, 565
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- , complex mixtures
 C: 37, 253, 1940, 1943-1945, 4715, 4981, 5039, 5046, 5047, 5048(book), 5049(review), 5050, 6141, 6165(review)
 G: 32, 35, 196, 246, 248, 250, 309, 329, 378, 698, 817, 837, 842, 844, 861, 872, 884, 888, 891, 911, 939, 1033, 1081, 1082, 1089, 1123, 1132, 1136, 1502, 1516, 1532, 1548, 1556, 1605, 1681, 1712, 1717, 1731, 1732, 1931, 1965, 1973, 1979, 1981, 2007, 2010, 2078, 2117, 2119, 2132, 2233, 2451
 P: 314, 315, 525
 E: 1504

- Hydrocarbons, in cigarette smoke
G: 1518
- Hydrogen
G: 46, 128, 133, 142, 242, 913, 923, 996, 1002, 1610, 1623, 1674, 2040, 2048, 2131, 2474, 2475
- Hydrolases, acting on ester bonds (E.C. 3.1.-.)
C: 437, 831, 892, 1002, 1004-1015, 1018-1033, 2661-2665, 2667-2672, 2674-2683, 2685, 2769, 4241-4265, 4298, 5615-5621, 5623-5630
P: 443
E: 329, 490, 555-557, 558(review), 559-566, 637, 852, 1217, 1225-1237, 1810-1826, 2241, 2353-2360, 2539
- , —, structural studies
C: 634, 1003, 1015, 1016, 2666, 2684, 5382, 5622
E: 2172
- , acting on glycosyl compounds (E.C. 3.2.-.)
C: 1034-1044, 1046-1049, 1051-1059, 2336, 2686-2700, 2712, 4177, 4225, 4266-4279, 5402, 5631-5642
E: 289, 567-575, 1238-1245, 1827-1831, 1870, 2037, 2361-2363, 2365, 2366
- , —, structural studies
C: 659, 1045, 2028
E: 198, 576
- , acting on ether bonds (E.C. 3.3.-.)
C: 2710, 2730, 4280
E: 605
- , acting on peptide bonds (E.C. 3.4.-.)
C: 588, 614, 808, 1060-1064, 1066, 1067, 1069-1071, 1073, 1074, 1076, 1078, 1081-1086, 1088, 1091, 1094, 1096, 1098, 1100-1107, 2664, 2701-2709, 2711, 2712, 2714, 2717, 2719, 2722-2726, 2728, 2729, 2731, 4116, 4281, 4284-4286, 4289, 4290, 4292-4295, 4298-4302, 4304, 4305, 4307, 4310, 5513, 5643, 5645-5647, 5650-5654, 5656, 5658-5662, 5664-5667
E: 272, 332, 393, 561, 577, 579-582, 584, 585, 587-592, 594, 596, 597, 599-601, 603, 604, 606, 607, 1217, 1246, 1247, 1249, 1251, 1253, 1256, 1258, 1519, 1827, 1832, 1834, 1837, 1838, 1840, 1843-1845, 2368, 2369, 2372, 2373, 2375-2379, 2381, 2383, 2384, 2386, 2387
- , —, structural studies
C: 635, 637, 648, 1075, 1087, 4008, 4303, 5648, 5657, 5663
E: 203, 206, 577, 1593, 2170
- , acting on C-N bonds other than peptide bonds (E.C. 3.5.-.)
C: 1065, 1077, 1093, 1097(review), 1099, 1100, 2715, 2716, 2720, 2727, 4287, 4288, 4291, 4297, 4306
E: 1252, 1833, 1836, 1846, 2385
- , acting on acid anhydride bonds (E.C. 3.6.-.)
C: 1072, 1079, 1080, 1089, 1095, 2713, 2718, 2721, 2732, 4282, 4283, 4296, 4308, 4309, 5649, 5655
E: 208, 308, 583, 586, 593, 595, 598, 985, 1217, 1248, 1250, 1254, 1255, 1257, 1259, 1260, 1835, 1839, 1841, 1842, 1847, 1848, 2367, 2370, 2371, 2374, 2380
- , —, structural studies
C: 1090, 1092, 5644
E: 208, 602, 2380
- , acting on sulphur-nitrogen bonds (E.C. 3.10.-.)
C: 1068
E: 2407
- , activity measurement
C: 1017, 1048, 1097(review), 2340, 2623, 2673, 5656
P: 636
E: 578, 600, 607, 990, 1229, 2364, 2382
- Hydroxamic acids
P: 971
- Hydroxylamines
C: 3078, 3234, 5291
- Hypnotics (barbiturates, sedatives)
C: 213, 1428, 1433, 1435, 1449, 1459, 1461, 2808, 2830, 2832, 3161, 3178, 3193, 3212, 3217, 3220-3222, 3229, 3313, 4616, 4618, 4620, 4621, 4636, 4646, 5008, 5990, 5991(review), 6024, 6028, 6034, 6038
G: 17, 565, 715, 722, 737, 743, 745, 751, 752, 777, 1329, 1449, 1634, 1853, 1939, 1941, 1943, 1945, 1948, 1950, 2258, 2387
P: 11, 30, 497, 782, 987
E: 1398
- Hypolipidemic agents
C: 1402, 1413, 3155, 5938
G: 768
P: 493
- Hypotensives
C: 222, 511, 1398, 1403, 1410, 1417, 1419, 1422, 1424, 1504, 1901, 3098, 3101, 3103, 3106, 3109, 3110, 3113, 3121, 3123, 3129, 3132, 3142, 3144, 3147, 3153, 3157, 3275, 4569, 4575, 4591, 4595, 4599, 4601, 4603, 5922, 5985, 6092
G: 723, 725, 731, 776, 1310, 1434, 1435, 1694, 1936, 2359, 2360, 2362, 2369, 2379
P: 224, 225, 494, 515, 778
E: 1396
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- I
- Imidazoles and related compounds
C: 1205, 1207, 1212, 2826-2828, 2833, 2998, 4385, 4662, 4884, 4955, 5684, 5747, 5754-5756
G: 530, 677, 1544
P: 226, 520, 686, 965
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- Immunosuppressives
C: 1514, 3324, 4441, 4443, 4450, 4689, 5823, 5825, 5828, 5847
G: 128, 759
P: 517, 740
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- Indole alkaloids
C: 1270, 1977, 2788, 2793, 2802, 2811, 2814
G: 1327
P: 448, 706, 716
- Indoles, techniques
C: 2256, 2822, 3092, 4382, 4632, 5741
G: 572
P: 428, 491, 715, 716
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C: 1197, 1200-1202, 1354, 1413, 1977, 2236, 2820, 2821, 2823, 3776, 3924, 3931, 4381, 4382, 4384, 5284, 5307, 5742
G: 568, 570, 571, 862, 991, 1990
P: 171, 452, 453, 855, 990
E: 905

Inhibitors of enzymic activity, proteinous

C: 714, 717, 754, 758, 878, 884, 886, 887, 1070, 2080, 2436, 2547, 2549, 2551-2554, 2723, 4074, 4079, 4168, 4170, 4171, 4173, 4175, 5556, 5559

P: 697

E: 485, 489, 1168, 1258, 1763, 1766

—, structural studies

C: 741, 882, 884, 896, 2548, 3706, 4169, 5452

E: 1767

—, non-proteinous

C: 532, 1274, 1305, 1420, 1961, 2192, 2849, 2902, 2903, 2950, 3132, 3186, 3215, 3218, 3231, 3275, 3284, 4395, 4434, 4468, 4472, 4485, 4552, 4606-4611, 4625, 4658, 4693, 5746, 5826, 5846, 6072, 6089

G: 1293, 1323, 1797, 1936

P: 191, 198, 463, 500, 749, 779

E: 761

Ions

G: 888, 1727

P: 211, 212, 766

Inorganic compounds

C: 1556-1606, 3378-3432, 4736-4775, 6179-6266

G: 905-920, 1560-1570, 2017-2025, 2473-2484

P: 282-288, 531-540, 820-824, 1064-1072

E: 767-770, 1409-1414, 2007-2009, 2556-2567

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—, reviews and books

C: 5, 4714

Insulin and analogues

C: 568, 592, 2314, 2327, 2328, 2335, 2337, 3956, 3970, 3979, 3981, 3985, 4134, 5056, 5357, 5434

P: 159

E: 192, 934, 1764, 2081, 2227

—, structural studies

C: 3991, 5434

E: 2227

Ipecacuanha alkaloids

C: 1176

Iridoid glucosides

C: 1965, 3322, 4698, 4699, 4711

P: 801

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

—, organic

C: 530, 533, 640, 2264

G: 1403, 2351, 2442, 2444

Isomerases

C: 1117-1121, 2557, 2745-2748, 4313-4318, 5675-5678

E: 613-617, 1267-1270, 1766, 1852, 2390

—, structural studies

C: 641, 921

J

Juvenile hormones

C: 2211, 3782

P: 420

L

Larvicides, insecticides

C: 1348, 3000-3006, 4511, 4512, 5889, 5890, 5892

P: 1018

E: 1389

Laxatives

C: 1527, 6077

P: 803

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—, organic

C: 178, 1229, 1738(review), 2862(review)

G: 596, 603, 1345, 1620, 2068, 2302

Lectins

C: 373, 377, 378, 385, 390, 393, 639, 641, 1529, 2056, 2058, 2079, 3748, 4013, 4174, 5131, 5143, 5148, 5154, 5155, 5160

E: 145, 886, 887, 896, 1165, 2116, 2117, 2120

Lichen acids

C: 3884, 4483

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

C: 1122, 1124, 1126-1128, 1130

E: 618, 1853

—, forming C-S bonds (E.C. 6.2.-.-)

C: 2612, 4320

—, forming C-N bonds (E.C. 6.3.-.-)

C: 1123, 1129, 2749, 2750, 4319, 4321

E: 619, 620

—, —, structural studies

C: 657, 4015

—, forming C-C bonds (E.C. 6.4.-.-)

C: 2751

—, other (including E.C. 6.5.-.-)

C: 1125

E: 1271-1273

Lignin compounds

C: 294, 300, 3685, 6173

G: 375, 380, 408, 410, 847, 1026, 1542, 2005, 2342, 2450

P: 840(review)

Lipids

C: 437-466, 2138-2179, 3887-3833, 5205-5232

G: 467-471, 1258-1262, 1806-1811, 2240-2247

P: 70-121, 349-405, 602-654, 910-948

E: 150, 1528, 1529, 2129, 2130

—, reviews and books

C: 2151, 5210, 5223

G: 438, 1222, 2158

P: 404

—, general techniques

C: 454, 456, 465, 2138, 2142, 2146, 2154, 2155, 2158, 2163, 2171, 2191, 3493, 3498, 3788-3790, 3792, 3797, 3799-3802, 3806, 3812, 3820, 3823, 3824, 3828, 5205, 5206, 5208, 5211, 5220, 5225, 5227, 6175

- G: 467, 468, 686, 1259, 1646, 1700
 P: 93, 113, 118, 120, 350, 363, 370, 375, 380, 385, 391, 401, 551, 610, 631, 854, 916, 917, 922, 935, 936, 939, 941
 E: 2130
- Lipids, group separation
 C: 5223(review)
 P: 93, 609
- , applications, non-biological
 C: 439, 3807, 3821, 3828, 5228
 G: 471, 1038, 1808, 1810, 1811, 2009, 2242, 2454
 P: 70, 131, 381, 387, 644, 647, 926, 942
- , —, microorganisms
 C: 462, 605, 2159, 3797, 3810, 5124
 P: 72, 74, 110, 158, 365, 382, 387, 388, 607, 612, 614, 616, 619, 652, 654, 923, 930, 932
 E: 912
- , —, plants
 C: 466, 2144, 2147, 2149, 2154, 2173, 2174, 3788, 3795, 3796, 3808, 3814, 3816, 3819, 3831, 3823, 5215, 6123, 6132, 6137
 G: 1238, 1806, 2240
 P: 363, 627, 630, 635, 648, 651, 906, 920
- , —, blood
 C: 490, 2148, 5171, 5767
 G: 435, 470, 1260, 1261
 P: 81, 88, 102, 109, 355, 360, 374, 653
 E: 2129
- , —, brain and nerve tissue
 C: 1220
 P: 92, 384, 643
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 C: 926, 930, 1119, 2557, 2566, 2573, 2579, 2580, 5568
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 —, acting on H₂O₂ as acceptors (E.C. 1.11.-.-)
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C: 656, 736, 741, 764, 2373, 2440, 2444, 4006, 4011, 4018, 4089, 5388, 5389, 5460

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C: 4098, 5381, 5483

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—, —, structural studies

C: 823, 824, 833, 2507-2509, 4124, 4129, 5518

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C: 632, 638, 644, 645, 770, 992, 2379, 2462, 2463, 2468

E: 357, 543, 950, 1063, 1073, 1075, 1586

—, of glands and gland products (except mammary gland), various zymogens

C: 808, 810, 812, 815, 816, 818, 977, 1027, 2500, 2502, 4116, 4118, 4119, 4155, 5509, 5512, 5513, 5515

E: 107, 120, 248, 393, 394(review), 395-400, 1096-1098, 1101, 1102, 1714-1718, 1721, 1722, 1748, 2286, 2287, 2289-2293, 2295

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C: 624, 4155

E: 949

—, of milk

C: 809, 814, 817, 819, 937, 2342, 2408, 2492(review), 2493, 2496-2499, 2503-2505, 4117, 4121, 4122, 5508, 5510, 5511, 5514, 5516

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C: 2501, 4017

—, of eggs

C: 877, 881, 1814, 5558

E: 480, 1169

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C: 876, 4165-4167

E: 476(review), 477-479, 1762, 2181, 2322, 2543

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C: 742, 826-830, 2522, 2652, 4052, 4130-4133, 4172, 5520-5523

E: 375, 416-418, 419(review), 420, 421, 486, 487, 488(review), 547, 969, 1071, 1115-1120, 1128, 1673, 1730, 1731, 1746, 2054, 2203, 2220, 2299-2302

—, complex mixtures and uncompletely specified proteins

C: 879, 880, 883, 885, 2550, 4062, 4172, 4176, 5515, 5555

G: 851

E: 481-484, 1001, 1167, 1768-1771, 2323, 2324

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C: 2783, 2806, 3181, 3187, 3192, 3197, 3212, 3313, 3465, 4357, 4358, 4367, 4953, 5718, 5725-5727, 5992, 6003, 6014, 6020, 6021, 6027

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P: 30, 228, 447, 799

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C: 1438, 1448, 3167, 3176, 4643, 4650, 4651, 6025

P: 231, 232, 249, 496, 779, 1034

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C: 266, 339, 1184, 1187, 1190, 1917, 2783, 2786, 2794, 2805, 2809, 3145, 3337, 4357, 4358, 4367, 4371, 4374, 4419, 4953, 5718, 5719, 5725-5727, 6001, 6027, 6128, 6138, 6267

G: 231, 553, 556, 1634, 1682, 1850, 2284, 2285

P: 312, 786, 980

E: 1978, 2517, 2540

Purines, pyrimidines, nucleotides, nucleosides

C: 1134-1160, 2754-2773, 4323-4348, 5682-5710

G: 551-557, 1324-1326, 1848, 1849, 2283-2285

P: 162-166, 444, 445, 699-702, 977-979

E: 623-627, 1275-1278, 2393-2398

—, reviews

C: 1198, 5688, 5699

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C: 232, 1134, 1137, 1138, 1144, 1146-1150, 1153, 1155, 1157, 1160, 1821, 2755, 2757, 2759, 2760, 2767, 2769, 2771, 2772, 3422, 3493, 4323, 4324, 4329, 4331, 4333-4335, 4339, 4343, 4347, 4348, 4885, 4953, 5685, 5689, 5690, 5693-5698, 5706, 5707, 5709, 6129

G: 160, 555, 1065, 1682

P: 162, 163, 166, 702

E: 57, 155, 623, 625-627, 1275, 2043, 2197, 2393, 2397, 2398

Purines, pyrimidines, nucleotides, nucleosides, analogues of purines, pyrimidines, nucleotides and nucleosides

C: 250, 1136, 1140, 1141, 1143, 1156, 1157, 1496, 1498, 1702, 2109, 2754, 2756, 2762, 2765, 2766, 2770, 2794, 3258, 3300, 3429, 4325, 4327, 4328, 4330, 4336, 4337, 4340, 4344, 4345, 4347, 4389, 4854, 4953, 5207, 5683, 5687, 5691, 5694, 5701, 5703, 5705, 6088

P: 162, 164, 166, 241, 290, 444, 503, 511, 541, 711, 979

E: 175, 759, 1278, 2394, 2395

—, applications, non-biological

C: 1065, 1151, 1152, 1156, 2623, 2673, 2768, 4338

G: 551, 552, 557, 1326, 1384, 2283

P: 445, 978, 979

—, —, enzymic

C: 2590, 4338, 4341

P: 445, 700, 701

—, —, microorganisms

C: 1145, 4296, 5682

P: 165, 699

—, —, plants

C: 1142, 1198(review), 2762, 5710

—, —, animal material

C: 1134, 1135, 1137, 1154, 1156, 2590, 2758, 2761, 2763-2765, 2771, 4324, 4325, 4328, 4332, 4341, 4342, 4346, 5684, 5686, 5687, 5695, 5696, 5700, 5704, 5706-5708

G: 440, 554, 1325, 1848, 1849

P: 701, 702, 977

E: 424, 1231, 1444, 2396

—, —, food products

C: 2109, 2755

Pyrane derivatives

G: 1028

Pyrazines

C: 1213, 1386, 4386, 4390

G: 817, 1330, 1860, 2113

P: 454

see also Diazines

Pyrazoles

C: 4513

G: 160

P: 456

Pyrazolones

P: 717

Pyrethrins (and other natural insecticides)

C: 1947, 4510, 5083

G: 291, 646, 678, 681, 682, 1397-1400, 1884, 1913, 2311, 2312, 2332, 2339

Pyridine and piperidine alkaloids

G: 795, 2013

Pyridine and piperidine derivatives

C: 52, 232, 1383, 2824, 2825, 4598, 5744

G: 22, 42, 153, 181, 183, 207, 215, 226, 246, 258, 268, 574, 795, 963, 1011, 1036, 1041, 1052, 1332, 1333, 1357, 1518, 1559, 1650, 1682, 1857, 1858, 1896, 1931, 2079, 2113, 2233, 2288, 2399, 2437, 2478

P: 171, 454, 529, 991

—, carboxylic acids

C: 3915

G: 669, 761, 1251, 1446, 1682

see also Nicotinic acid and derivatives

Pyridoxine, see Vitamins, B₆ group

Pyrimidines, see Purines, pyrimidines, nucleosides, nucleotides
α-Pyrone derivatives

P: 812

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

Pyrroles, pyrrolidines and pyrrolidones

C: 2743, 4379, 4380, 5744

G: 153, 252, 576, 1332, 1520, 1544, 1682, 2113, 2153, 2233, 2399, 2437, 2460, 2478

P: 712, 713

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Pyrrrolizidine and pyrrolizide alkaloids

G: 559, 560, 564, 2287

Q

Quinoline and isoquinoline alkaloids

C: 4366, 4372, 5731

G: 558

P: 982

Quinolines and isoquinolines

C: 2300, 2828, 3210, 5752

G: 22, 42, 161, 183, 278, 550, 573, 794, 1041, 1113, 1559, 1858, 2141, 2460

P: 171, 454, 993

Quinolizidine alkaloids

C: 4360

P: 167, 168, 704

Quinones

C: 51, 295, 1739, 1959, 1997-1999, 3296, 3668, 4827, 5063, 5080, 5086, 5091

G: 1001, 1429

P: 329, 431, 888, 1046

E: 1505, 2107

R

Radioactive and other isotope compounds

G: 128, 223, 233, 238, 396, 407, 539, 548, 549, 569, 592, 747, 922, 923, 996, 1076, 1218, 1220, 1257, 1259, 1261, 1315, 1353, 1571, 1627, 1800, 1824, 1839, 1871, 1954, 2026, 2048, 2109, 2284, 2392, 2485-2487

Radiopharmaceuticals

C: 6103, 6107

P: 1040

Radioprotective agents

G: 1194

Rare earths

C: 1570, 1574, 1585, 1586, 1589, 1845, 3383, 3391(review), 4747, 4749, 4761, 6181, 6191, 6229, 6242, 6269

P: 538

E: 1411, 1412, 2557, 2558, 2560, 2563

Rauwolfia alkaloids

C: 2793, 4364

P: 703, 706

Repellents, see Larvicides, insecticides

Resins, phenolic
 C: 3038
 G: 684, 686, 688, 1556, 2341, 2342

—, polyester
 C: 3057, 4538
 G: 37, 686, 1405, 1409, 1412, 1418, 1547, 1918, 1923, 1926, 1928, 2050, 2343, 2344

—, polyethylene and polypropylene glycols
 C: 5908, 6120
 G: 231, 712, 1583, 1928, 2164

—, poly(vinyl acetate)
 C: 3058
 G: 694, 1419

—, poly(vinyl chloride)
 C: 4540
 G: 687, 692, 701, 1387, 1408, 1410, 1999, 2346

—, poly(vinylidene fluoride)
 C: 3035
 G: 694, 695, 711

—, poly(vinylpyrrolidone)
 C: 3058, 3059, 4528
 G: 712
see also Acrylic resins; Epoxy resins; Polyolefins; Rubber (natural and synthetic); Styrene polymers

Respiratory stimulants
 C: 2783, 3194

RNA, reviews
 C: 683, 1172, 4031, 4032, 4797, 4911, 4947, 5406
 E: 235, 771, 774, 1347, 1420, 1966

—, techniques
 C: 1155, 1161, 1163, 2774, 2778, 4349, 4352, 4943, 5711
 E: 46, 98, 99, 219, 239, 626, 638, 639, 647, 678, 679, 705, 1287, 1328, 1447, 1458, 1472, 1857, 1875, 1884, 2084, 2402-2404, 2408

—, applications, non-biological applications (*in vitro* processing)
 C: 775, 1162, 2775, 4349, 5712
 E: 265, 337, 628-632, 634, 635, 637, 638, 641, 644, 649, 652, 653, 665, 714, 1006, 1007, 1279, 1281-1285, 1286, 1288, 1289, 1291, 1295-1297, 1299-1302, 1305, 1306, 1552, 1694, 1757, 1859-1861, 1864, 1865, 1868-1874, 1876, 1878, 1879, 1883, 1886, 1888, 1889, 1947, 2210, 2297, 2400, 2406, 2407, 2409, 2410, 2413, 2416-2418, 2421, 2422, 2425, 2426, 2428, 2429

—, —, microorganisms
 C: 2775, 5575
 E: 636, 979, 1298, 1857, 1864, 1865, 1871, 2425

—, —, plants
 E: 1858

—, —, animal material
 C: 782, 1164, 1165, 2626, 5713
 E: 461, 521, 630, 633, 634, 640, 642-646, 648, 650, 651, 906, 916, 1135, 1207, 1280, 1283, 1286, 1290-1295, 1303, 1304, 1306, 1323, 1344, 1618, 1862, 1863, 1866, 1867, 1877, 1880-1882, 1885, 1887, 1946, 2319, 2399, 2401, 2405, 2411, 2412, 2414, 2415, 2418-2424, 2426, 2427, 2430, 2445

—, structural studies
 C: 1172(review), 2781
 G: 555
 E: 716, 717, 1007, 1354-1358, 1378-1381, 1469, 1944-1953, 1966(review), 2476-2478, 2505

Rodenticides
 C: 3312

Rubber natural and synthetic (inclusive pyrolysis products)
 C: 3050
 G: 44, 701, 984, 1404, 1550, 1550, 1924, 2348, 2463

Rubidium, *see* Alkali metals

S

Saponins and sapogenins
 C: 231, 2217, 3877-3880, 4709, 6133
 G: 1826, 1937
 P: 135, 417-419, 515, 669, 670, 800, 958, 959, 1047

Secretolytics
 C: 4692

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

—, organic
 G: 606, 611, 913, 1871, 1872, 1879, 1992, 2058
 P: 967

Sexual attractants, *see* Pheromones

Sialic acids, *see* Glycosaminoglycans

Silicium compounds, inorganic
 C: 1373, 1379, 6250
 G: 34, 909, 925, 2024

—, organic
 C: 4529, 4531, 5776, 5777
 G: 121, 192, 608, 609, 690, 956, 1023, 1422, 2125

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

Snake venoms
 C: 706, 811, 813, 2494, 2506, 2681, 4120, 4257
 E: 1230, 1820
see also respective enzymes

—, structural studies
 C: 2061
 E: 890

Sodium, *see* Alkali metal

Soil pollution
 C: 244, 334, 514, 1328, 1331, 1348, 1544, 1935, 1938, 1943, 2991, 2888, 2973, 2977, 2982, 2984, 2993, 3028, 3349, 3350(review), 3617, 4498, 4502, 4660, 4718, 4739, 4750, 4769, 4771, 4944, 5183, 5891, 6152, 6204
 G: 110, 132, 166, 241, 322, 342, 349, 385, 448, 491, 573, 591, 602, 621, 623, 631, 665, 666, 674, 716, 717, 824, 838, 851-854, 857, 921, 1083, 1087, 1088, 1153, 1160, 1162, 1169, 1177, 1179, 1207, 1285, 1348, 1387, 1389, 1396, 1429, 1497, 1528, 1529, 1531, 1532, 1541, 1718, 1753, 1777, 1794, 1876, 1893, 1907, 1914, 1992, 2013, 2023, 2073, 2208, 2210, 2233, 2276, 2293, 2317, 2328, 2330, 2422, 2435-2438, 2454, 2462, 2478
 P: 203, 485, 525, 526, 764, 787
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Spasmolytics
 C: 3183, 4369, 4602, 5966
 G: 158, 715, 731, 860, 1328, 1438, 1686, 1832, 1942, 1960, 2258, 2368

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- C: 661, 747, 773, 786, 831-845, 847-856, 857(review), 858-875, 991, 1029, 1034, 1082, 2196, 2331, 2435, 2477, 2484, 2490, 2511, 2512, 2513(review), 2515-2531, 2533-2546, 2652, 3748, 3981, 4046, 4066, 4076, 4088, 4113, 4134-4140, 4141(review), 4142-4159, 4160(review), 4161-4164, 5148, 5154, 5163, 5430, 5489, 5524-5529, 5531-5554
 - E: 269, 280, 361, 409, 422-475, 547, 607, 885, 977, 1013, 1035, 1047, 1095, 1110, 1114, 1122, 1123, 1125-1140, 1142-1166, 1214, 1619, 1641, 1645, 1667, 1692, 1732-1761, 1969, 2117, 2126, 2140, 2231, 2303-2310, 2312-2321, 2356
- , structural studies
- C: 658, 661, 663, 764, 824, 846, 2510, 2514, 2532, 3949, 4013, 4155, 5530
 - E: 140, 199, 607, 1121, 1124, 1141, 2311
- Spermicides
- C: 1521
- Sphingolipids (sulfatides, gangliosides, ceramides, cerebroside)
- C: 445, 446, 449, 453, 458, 461, 2009, 2161, 2162, 2166, 2175, 3809, 5213, 5216-5218, 5224, 5230, 5231, 5299
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- Stabilizers, *see* Plasticizers and stabilizers
- Starch components
- C: 1038, 1728, 2018, 2036, 2040, 2042, 2054, 2055, 2149, 3716, 3724
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- Steroid alkaloids
- C: 4362
- Steroids
- C: 480-502, 2190-2215, 3847-3876, 5241-5263
 - G: 474-498, 1263-1279, 1813-1826, 2249-2257
 - P: 122-134, 406-416, 656-668, 950-957
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- C: 3851
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- C: 480-482, 1848, 2190, 2191, 2194, 2195, 2215, 3820, 3847-3850, 4817, 5241, 5242, 5263
 - G: 235, 476, 484, 1263, 2160
 - P: 301, 416, 658, 667, 950, 951
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- Sterols, techniques
- C: 491, 493, 494, 496, 1810, 2191, 2194, 5249, 5251, 5252-5255, 6132
 - G: 160, 1263, 2062, 2127
 - P: 132, 133, 410, 567
- , applications, non-biological
- C: 495, 497, 2201, 3866, 3867, 3870, 4502
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 - P: 80, 111, 129, 130, 358, 407-409, 411, 609, 615, 661, 751, 953
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- C: 2790
- Styrene polymers (inclusive pyrolysis products)
- C: 1376-1378, 3036, 3045, 3046, 3048, 3056, 3460, 4540, 5024, 5913
 - G: 44, 90, 685, 688, 694, 705-707, 979, 1072, 1406, 1411, 1417, 1420, 1918, 1921, 1922, 2055, 2349, 2352
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- C: 1037, 1554, 3370, 3371, 3377
 - E: 2003, 2005, 2006, 2549, 2554, 2555
- Sulphatides, *see* Sphingolipids
- Sulphides (thioethers) and polysulphides
- C: 254, 1942, 2838-2840, 4398
 - G: 7, 22, 121, 134, 182, 248, 581, 582, 584, 586, 810, 812, 816, 817, 855, 856, 890, 909, 910, 913, 917, 948, 986, 1009, 1085, 1338, 1506, 1520, 1529, 1865-1867, 1965, 2022, 2067, 2291, 2292, 2294, 2340, 2416, 2484
 - P: 720, 994
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 - G: 45, 755
 - P: 239, 270, 504
 - E: 839, 842, 1991, 1993, 2053, 2538
- Sulphonate esters
- C: 2835, 5764
 - G: 45, 847, 858, 1429, 2439
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- Sulphones
- C: 252
 - G: 580, 1403, 1917
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- C: 1889(review), 2842, 4393, 4398
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- C: 254, 1595, 1599, 1600, 1602, 3418, 3423, 3425-3427, 4767, 4770, 4774, 5009, 6247, 6251, 6259, 6260
 - G: 906, 910, 917, 1009, 2025, 2416, 2477, 2480
 - E: 2566
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- C: 232, 252, 1729(review), 1929, 2765, 2838, 4399, 4685, 5175, 5322, 5758, 5760
 - G: 7, 134, 220, 248, 582, 585, 589, 992, 997, 1006, 1007, 1009, 1337, 1502, 1616, 1673, 1868, 2076, 2137, 2290, 2396
 - P: 458, 719, 995, 1025, 1057
 - E: 36, 1982, 2152
- , —, acids and derivatives
- C: 421, 547, 1696, 2835, 2836, 2841, 2843, 2845, 3316, 3463, 3568, 3622, 4396, 4401, 4720, 4975, 5175, 5759, 5765, 6159, 6241

- G: 45, 905, 997, 2328, 2416
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- Sulphur elemental
 C: 3291
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 C: 3883, 5264, 5265
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- , resins
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 P: 464, 477, 737, 738, 747, 753, 1001, 1007, 1008
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- Textile dyes (including bleaching agents)
 C: 4513
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- Thiazoles, isothiazoles and thiazolones
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 C: 4682
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 C: 586, 2321, 2539
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- , organic
 C: 2862(review), 2863, 4409, 5773, 6142
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Toad venoms

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P: 668

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C: 1186, 2807, 2810, 5723, 5745

G: 562, 1300, 1518, 1682, 2113

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C: 1209, 1211, 1382, 1947, 2219, 2829, 4387, 5083, 6115, 6140

G: 1618, 2222, 2288

P: 149, 815, 990

E: 1980

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—, proteinous

C: 575, 599, 706, 718, 811, 2360, 2408, 2414, 2419, 2495, 2506, 3959, 4072, 5450

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E: 134, 247, 306, 397, 1008, 1022, 1030, 1649, 1656

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C: 713

E: 1008, 1036

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C: 222, 1428, 1435, 1437, 1462, 1517, 2830, 2832, 3164, 3189, 3193, 3196, 3209, 3211-3213, 3216, 3217, 3221, 3313, 4616, 4617, 4620, 4621, 5008, 5313, 5991 (review), 5998, 6000, 6004, 6019, 6025, 6028-6030, 6037

G: 17, 722, 746, 752, 1425, 1454, 1694, 1949, 1950, 2156, 2370, 2380

P: 30, 302, 502, 782, 784

E: 755

Transferases, transferring one atom groups (methyl-, hydroxy-, formyl-, carbonyl-, carbamoyl-, amidine) and related transferases (E.C. 2.1.-.-)

C: 940, 945, 946, 949, 1991, 2607, 2609, 2614, 2615, 4212, 5592, 5801

E: 515, 1201, 1203, 1206

—, —, structural studies

C: 4220, 5598

—, transferring aldehyde or ketonic residues (E.C. 2.2.-.-)

C: 4205

E: 530

—, transferring acyl- and aminoacyl groups (E.C. 2.3.-.-)

C: 955, 969, 971, 2612, 2620, 2621, 2622, 3843, 4207-4209, 4216, 4222, 5595

P: 698

E: 519, 521, 528, 1198, 1205, 1791, 1795

—, —, structural studies

G: 1789

—, transferring glycosyl residues (hexosyl and pentosyl transferases) (E.C. 2.4.-.-)

C: 303, 941, 950, 951, 957, 958, 961, 963-965, 968, 1059, 2600, 2602, 2611, 2616, 2619, 2623-2625, 4214, 4215, 4218, 4236, 4237, 5591, 5593, 5599, 5640

E: 520, 524, 526, 527, 1197, 1199, 1794, 2338-2340

—, —, structural studies

C: 939, 2617

Transferases, transferring alkyl or aryl groups (E.C. 2.5.-.-)

C: 944, 952, 953, 966, 1073, 2601, 2604, 2605, 2610, 2618, 4206, 4219, 5594, 5597

E: 517, 518, 521, 529, 1196, 1202, 1792, 1796, 2342

—, —, structural studies

C: 2606, 4010

E: 1204

—, transferring nitrogenous groups (E.C. 2.6.-.-)

C: 942, 943, 947, 962, 967, 970, 2608, 2613

E: 523, 525, 1797

—, —, structural studies

C: 954

E: 16

—, transferring phosphorus containing groups (E.C. 2.7.-.-)

C: 75, 972-982, 985, 986, 988, 990-993, 995-1001, 2561, 2626-2628, 2630-2632, 2634-2660, 4223-4240, 5600-5614

P: 161

E: 531-542, 544-554, 1207-1217, 1219-1224, 1282, 1798-1809, 2209, 2225, 2344-2352, 2356

—, —, structural studies

C: 983, 984, 987, 989, 994, 2629, 2633, 4002, 5385, 5387

E: 205, 543, 951, 1218, 1591

—, transferring sulphur containing groups (E.C. 2.8.-.-)

C: 948, 2603, 4210, 4211, 4213, 4217, 4221, 5368

E: 516, 1200, 1793, 2343

—, other and incompletely identified

C: 956, 959, 960

—, activity measurements

C: 942, 2628, 4232, 5333, 5590

P: 636

E: 2400, 2480

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C: 3271, 5753
G: 108, 881, 1304, 1361, 1389, 1909, 2229, 2326, 2330, 2385

Triazoles

G: 621, 674, 1357, 2422

Tropine alkaloids

C: 1183, 2795, 2800, 2804, 4370, 4375, 4619, 5730, 5736
G: 565, 715, 1328, 1461, 1478, 1479, 1615, 1854, 1856, 1959, 2362, 2388
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C: 3578, 4071, 4078, 4174, 5440
E: 1669, 1683, 1684, 2235

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C: 2247, 2821, 3931

Tuberculostatics

C: 1464, 1471, 3240, 4483, 6068
G: 1954
P: 246

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C: 1996, 5079

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C: 529, 1143, 2269, 3220, 3293, 4186
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E: 2152
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G: 265, 662, 1926, 1928, 2351

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C: 6109

Uric acids

C: 4325, 5702
P: 520

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C: 611, 612
G: 1852

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C: 511, 1398, 1419, 1452, 2870, 3102, 3110, 3127, 3129, 3121, 3136, 3143, 3152, 3643, 4374, 4567, 4574, 4580, 4583, 4597, 4613, 4615, 5725, 5954, 5957, 5969, 5984, 6031, 6041
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P: 225, 226, 711, 774, 987

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Snake venoms; Toxins, proteinous; individual enzyme types

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C: 5720
P: 981

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C: 2785, 2789, 2797, 2801, 2811-2813, 3272, 3273, 4373, 5733, 5734(review)

P: 707

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G: 2309, 2310

P: 176, 723-727, 999, 1000

E: 747, 2524

—, reviews and books

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P: 838

—, techniques for fat soluble vitamins

C: 2877, 2883, 5807

G: 2164

—, techniques for water soluble vitamins

C: 1242(review), 1243, 1256(review)

P: 408

—, A group (including synthetic retinoids)

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G: 271, 285, 2164

P: 999

E: 1747

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—, B₁

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—, B₂ and other flavins

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P: 723

E: 179

—, B₆ group

C: 1241, 1258, 2892, 3680, 5792, 5803-5805

G: 271, 285, 2164

E: 179, 748, 2524

—, B₁₂ group

C: 1261, 2875, 2880

—, biotin group

C: 4429, 5799

P: 727

—, C group

C: 1143, 2872, 2876, 2885, 2893, 2895, 3337, 4411, 4412, 4419, 4427, 5702, 5784, 5790, 5794, 5795, 5800, 5808, 5809, 6136, 6138

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—, D group

C: 1249, 1253, 1259, 2202, 2881, 2884, 4897, 5793

G: 2164

P: 1000

—, E

C: 1238, 1240, 1263, 2869, 2870, 2877, 2882, 2883, 4412, 4415, 4418, 4422, 4428, 4430-4432, 5785, 5786, 5797, 5798, 5802, 5806

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G: 2164

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Analytical Voltammetry

edited by **M.R. Smyth** and **J.G. Vos**, School of Chemical Sciences, Dublin City University, Dublin, Ireland

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The aim of this volume is to review the state-of-the-art in analytical voltammetry with regard to theory and instrumentation, and show how these relate to the analysis of inorganic, organometallic, organic and biological molecules. Modern voltammetric techniques have practical applications in biological, pharmaceutical and environmental chemistry. The growing importance of voltammetry in the development of modified electrodes and biological electrodes and chemical and biological sensors is also highlighted.

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