SUBJECT INDEX

A	Aquifoliaceae 901
Abscisic acid, synthesis of anthracenone analogue of 349	Arabidopsis thaliana, molecular genetics of riboflavin biosynthesis in
Acacia caffra, structure and synthesis of proanthocyanidins from 785	723
Acanthaceae 201, 213	Araceae 55, 433
Acetophenone derivative, from Gynura 833	Araliaceae 905
Acetylenic	Armoracia rusticana, phytochelatin homologues induced in hairy roots
aromatics, phytotoxic, from Stereum 571	of 239
diols, from Clitocybe 1087	Aromatics, acetylenic, from Stereum 571
Adenophora triphylla, polyhydroxylated alkaloids from 379	Asclepiadaceae 417, 485, 893, 937
Agapanthus praecox, covalently linked anthocyanin-flavonol pigments	Asclepias incarnata, steroidal glycosides from 485
from 575 Aglaia grandis, putrescine bisamides from 1091	Ascochyta caulina, phytotoxic and herbicidal amino acid from 231
Ajuga reptans, 20-hydroxyecdysone biosynthesis in 733	L-Ascorbic acid, as a precursor of oxalic acid, in <i>Pistia</i> 433
Albizia gummifera, triterpenoid saponins and sapogenin lactones from	Aspergillus campestris, terphenyllins form 581 Asteraceae 93, 257, 305, 473, 479, 833, 873, 877, 1103
885	Asteragalus shikokianus, flavonol glycosides and saponins from 469
Algae 21, 77, 81, 129, 265, 607	Astrotrichilia voamatata, limonoids from 115
Alkaloid gene transcript accumulation, in <i>Papaver</i> , distribution of 555	Azadirachta indica, insecticidal tetranortriterpenoids from 371
Alkaloids,	772ddirdenid maled, misecticidai ectanoremet penolas from 5/1
antiplasmodial and cytotoxic, from Brunsvigia 587	
aporphinoid, from Lettowianthus 1067	n.
azaanthracene, from Polyalthia 1079	B
benzylisoquinoline, from <i>Papaver</i> , microbial transformation of 675	Bacopa monnieri, jujubogenin bisdesmosides from 711 Baicalein 7-O-glucuronosyltransferase, from Scutellaria cultures 533
dihydropyridone, from <i>Piper</i> 51	Baphicacanthus cusia, indoxyl-UDPG-glucosyltransferase from 201
from <i>Datura</i> , biosynthetic studies on the tropane ring of 777	Belamcanda chinensis, iridals from 925
from Lycopodium 503	Benzophenones, from <i>Garcinia</i> 281
from <i>Peganum</i> 1075 glyco-, tomatidenol-based, photo-induced synthesis of in <i>Solanum</i>	Benzoxazinoids, from <i>Aphelandra</i> roots, HPLC separation of 213
tubers 739	Benzoxazinones, from maize, variation of in different organs 223
indole, quaternary, from <i>Strychnos</i> bark 1057	Beta vulgaris, vacuolar transport of glutathione conjugate of trans-
monoterpene, from <i>Incarvillea</i> , antinociceptive activity of 253	cinnamic acid in 441
polyhydroxylated, from <i>Adenophora</i> 379	Betulaceae 971
quinoline, from <i>Ruta</i> 277	Bichalcone, from Rhus 1005
steroidal, from Cryptolepis 417	Biflavanone, from Cycas 515
tropane,	Bignoniaceae 253, 869
chemotaxonomy and geographical distribution of 623	Bioactive plant products,
from Erythroxylum 409	antibacterial diterpenoids, from <i>Euphorbia</i> 947
Allene oxide synthase, from corn seeds, inactivation of by substrate	antifungal naphthoquinones, from <i>Cordia</i> roots 613
319 Alway wiking diam/thantanaid alwaysides from 071	nitro compounds, from skunk cabbage 55
Alnus rubra, diarylheptanoid glycosides from 971 Alomia myriadenia, cytotoxic diterpene from 877	anti-HIV-1 phorbol esters, from <i>Croton</i> seeds 457
Amaranthaceae 145	anti-inflammatory
Amaryllidaceae 587	cyclopentene dialdehydes, from Tabebuia 869
Amides, from <i>Piper</i> , accumulation of after removal of ant mutualists	flavonol glycosides, from Costus 87
51	sesquiterpene lactones, from Milleria 257
Amino acid, non-protein, from Ascochyta, phytotoxic activity of 231	antimicrobial acylated phloroglucinol, from Helichrysum 93
trans-4-Aminoproline, herbicidal, from Ascochyta 231	antinociceptive iridoid and alkaloid, from Incarvillea 253
Anacardiaceae 357, 1005	antiplasmodial Amaryllidaceae alkaloids, from Brunsvigia 587
Anigozanthos preissi, phenylpropanoid precursors for	antiplatelet aggregation chromane, from Gynura 833
phenylphenalenone biosynthesis in 331	antiviral carrageenans, from Stenogramme 81
Annonaceae 511, 991, 1067, 1079	apoptosis-inducing activity, of gallocatechins from green tea 391
Anthocyanidin, from <i>Rhus</i> adventitious root cultures 357 Anthocyanin biosynthesis, sugar-stimulated, in grape cells, mediation	cytotoxic Amaryllidaceae alkaloids, from <i>Brunsvigia</i> 587
of by calcium 659	diterpene, from Alomia 877
Anthocyanin-flavonol pigments, covalently linked, from Agapanthus	DNA triplex stabilization property, of anthocyanins 679
flowers 575	fungicidal activity, of natural and synthetic sesquiterpene lactones
Anthocyanins, DNA triplex stabilization property of 679	747
Anthracenone analogue, of abscisic acid, synthesis of as photoaffinity	glycosidase inhibitory alkaloids, polyhydroxylated, from
reagent 349	Adenophora 379
Aphelandra, separation of benzoxazinoids from 213	herbicidal non-protein amino acid, from Ascochyta 231
Apiaceae 689, 961, 1025	insect development-affecting seed lectin, from African yam bean 667
Apocynaceae 187, 549	insecticidal tetranortriterpenoids, from Azadirachta 371

PII: S0031-9422(99)00140-0

Chenopodiaceae 231, 299, 441

Chenopodium murale, kaempferol triglycosides from 299 larvicidal naphthoquinones, from Cordia roots 613 phytotoxic Chlamydomonas moewusii, polar glycerolipid composition of 265 acetylenic aromatics, from Stereum 571 Chlorflavonin, as taxonomic marker in Aspergillus section Candidi 581 non-protein amino acid, from Ascochyta 231 Chromane, with anti-platelet aggregation activity, from Gynura 833 plant growth regulators, from Penicillium 829 Chromene derivatives, from Calyptranthes 975 protein tyrosine kinase inhibiting clavilactone, from Clitocybe 1039 Cicer arietinum, oxidative cross-linking of cell wall proteins from 1 Biosynthesis, Cistaceae 71 of brassinosteroids, in Catharanthus cell cultures 549 Cistus monspeliensis, infraspecific variability of essential oil of droserone, in Triphyophyllum, acetate as precursor in 339 composition of 71 of gymnomitrane sesquiterpenes, in liverworts 645 Clavilactones, bioactive, from Clitocybe 1039 of 20-hydroxyecdysone, in Ajuga hairy roots 733 Clitocybe catinus, acetylenic diols from 1087 of oxalic acid, via L-galactose and L-ascorbic acid 433 C. clavipes, clavilactones from, inhibiting protein tyrosine kinases 1039 of phenylphenalenones, in Anigozanthus, phenylpropanoid Clusiaceae 111, 281, 345, 427, 705, 1021, 1043 precursors in 331 Coffea arabica, uptake of radiolabelled ochratoxin A from soil by 377 of phytoalexins, from crucifers 161 Compositae, see Asteraceae of riboflavin in plants, molecular studies of 723 Convolvulaceae 119 of tropane alkaloids, in Datura 777 Cordia curassavica, bioactive naphthoquinones from 613 Biotransformation, Cornaceae 405 of 18-hydroxy-9-epi-ent-pimara-7,15-diene, by Gibberella 395 Cornus controversa, galloylcaffeoylthreonic acids from 405 of papaveraldine, by Mucor 675 Costaceae 87 of 6-n-pentyl-2H-pyran-2-one, by Pinus cultures 447 Costus spicatus, anti-inflammatory flavonol glycosides from 87 of phytoalexins, in crucifers 161 Cotoneaster orbicularis, glycosides of vicenin-2 and gentisic acid from of the phytoalexin camalexin, by Rhizoctonia 59 Biphenyl construction, tyrosinase catalyzed, from flavan-3-ol Coumarins, substrates 285 from Ferula, anti-HIV activity and cytokine release inhibition of Bisamides, putrescine, from Aglaia leaves 1091 689 Blutaparon portulacoides, methylenedioxyflavonol from 145 from Ferulago 1025 Bonamia spectabilis, sesquilignans and sesquineolignans from 119 Cremanthodium ellisii, norlignan and sesquiterpenes from 1103 Boraginaceae 451, 613, 651 Crolechinic acid, structural amendment of 851 Botrytis cinerea, lipid composition of germling extracellular matrix of Croton tiglium, anti-HIV-1 phorbol esters from seeds of 457 Cruciferae, see Brassicaceae Brassicaceae 161, 239, 365, 723 Cryptocarya moschata, α-pyrones from 811 Cryptolepis obtusa, steroidal alkaloids from 417 phytoalexins from 161 Brassinosteroid biosynthesis, in Catharanthus cultures 549 Cunninghamella elegans, sulphation of naringenin by 209 Bromeliaceae 965 Cycadaceae 515 Brominated amisols and cresols, in Polysiphonia 77 Cycas beddomei, biflavanone from 515 Brosimum acutifolium, flavonoids from 1047 Cyclopentene dialdehydes, anti-inflammatory, from Tabebuia 869 Brunsvigia radulosa, bioactive alkaloids from 587 D Datura stramonium, biosynthesis of tropane alkaloids in 777 Caesalpinia major, cassane diterpenoid from 841 Dendrobium plicatile, phenanthrenes from 987 Caffeic acid oligomers, in *Lithospermum* cell cultures 651 Diarylheptanoid glycosides, from Alnus bark 971 7-Caffeoylsedoheptulose, from Nyssa 1033 Dihydrochalcone, from Uvaria 511 Calmodulin, involvement of in sugar transduction pathway regulating Dihydroisocoumarin, from Montrouziera 1043 anthocyanin accumulation in grape 659 DIMBOA, variation of in maize in relation to age and organ 223 Calophyllum teysmannii, xanthones from 1021 Dioncophyllaceae 339 Calyptranthes tricona, chromene derivatives from 975 Dipterocarpaceae 1015 Camellia sinensis. Diterpene lactone, cleistanthane, from Vellozia 917 apoptosis-inducing activity of pyrogallol-type catechins from 391 Diterpenoids, triterpenoid saponins from 941 abietane, from Salvia 911, 951 Campanulaceae 379 antibacterial, from Euphorbia tubers 947 Cannabinaceae 759 anti-HIV-1, from Croton seeds 457 Caprifoliaceae 7, 499 biotransformation of, by Gibberella 395 Carrageenans, antiviral, from Stenogramme 81 cassane, from Caesalpinia 841 Cassia petersiana, structure and synthesis of procassinidin dimers from clerodane, synthesis of C-4 epimer of 851 cis-neo-clerodane, from Salvia 103 Catechins, from green tea, pyrogallol-type structures of, and cytotoxic, from Alomia 877 apoptosis-inducing activity 391 from Gackstroemia 247 Catharanthus roseus, brassinosteroid biosynthesis in 549 from Humirianthera 955 Celastraceae 715, 805 from Lepicolea 845 Centaurium erythraea, xanthone 6-hydroxylase from 427 Chalcanol glucosides, from Trifolium seeds 401 from Tripterygium 715 icetexane, from Salvia 911 Chalcone, from Uvaria 511 ent-kaurene, from Isodon 855 Chalconoids, from Fissistigma 991 mulinane, from Laretia 961 Chemotaxonomic studies, DNA triplex stabilization property, of anthocyanins from Vitis, Malva of brominated compounds, in the red alga Polysiphonia and Rosa 679 sphaerocarpa 77 Droserone, from Triphyophyllum cell cultures, acetogenic origin of 339 of chlorflavonin and terphenyllins, in Aspergillus 581 Dunnia sinensis, iridoids from 837 of essential oils, in Cistus monspeliensis populations 71 of γ -linolenic acid-rich oils, in *Echium* seeds 451 of prenylflavonoids, in Humulus 759 of terpenoids, in Gackstroemia 247

Ecdysteroids, highly oxygenated, from Vitex 921

Subject Index XIX

Echium, γ-linolenic acid content in seed oils from 451 Hepaticae 247, 271, 593, 645, 845 Entandrophragma delevoyi, tetranortriterpenoid from 465 biosynthesis of gymnomitrane sesquiterpenes in 645 Enzymes, see Protein biochemistry Hexokinase activities, in maize root homogenates 29 Epigallocatechin, oxidation and epimerization of in banana 311 Hexose kinase, isoforms of, from rice embryo 195 Erythrina indica, isoflavonoids from 981 Hopea parviflora, stilbenoids from 1015 Erythroxylaceae 409 Humirianthera ampla, diterpenoids from 955 Erythroxylum zeylanicum, tropane alkaloids from 409 Humulus lupulus, prenylflavonoid variation in 759 Essential oil composition, of Cistus monspeliensis, infraspecific Hyaloseris salicifolia, glycosidic eudesmanolide from 873 variability of 71 Hydroquinone: O-glucosyltransferase, from Rauvolfia cell cultures 187 Euphorbia sessiliflora, antibacterial diterpenes from 947 20-Hydroxyecdysone, biosynthesis of in Ajuga hairy roots 733 E. supina, cucumisin-like protease from 639 Hydroxyl radicals, peroxidase-generated, scission of polysaccharides Euphorbiaceae 457, 639, 851, 947 by 565 Hypericin production, in Hypericum shoot cultures, stimulation of 345 Hypericum androsaemum, xanthone 6-hydroxylase from 427 H. japonicum, phloroglucinol derivatives from 705 H. perforatum, stimulation of hypericin production in 345 Fabaceae 1, 135, 401, 469, 539, 605, 667, 785, 795, 841, 885, 981, 1009 Fatty acid composition, of seed oils from Echium species 451 hydroperoxide lyase, from tomatoes 177 Ferula sumbul, anti-HIV and cytokine release inhibiting coumarins Icacinaceae 955 Ilex brevicuspis, triterpene and triterpenoid glycosides from 901 Ferulago, coumarins from 1025 Incarvillea delavayi, antinociceptive iridoid and alkaloid from 253 Fissistigma bracteolatum, chalconoids from 991 Indoxyl-UDPG-glucosyltransferase, from Baphicacanthus 201 Flavan-3-ols, Iridaceae 925 biphenyl construction of, catalyzed by tyrosinase 285 Iridals, from Iris and Belamcanda 925 oxidation and epimerization of, in banana 311 Iridoid glycosides, Flavanone, sulphation of, by Cunninghamella 209 from Lonicera 499 Flavonoid from Phlomis 931 glycosides, Iridoids, from Astragalus 469 from Dunnia 837 from Cotoneaster 699 from Incarvillea, antinociceptive activity of 253 from Goodvera 997 Iris tectorum, iridals from 925 from Vriesea 965 Isodon rubescens, ent-kaurene diterpenoids from 855 neohesperidosides, anti-inflammatory, from Costus 87 triglycosides, from Chenopodium 299 Isoflavonoids. from Erythrina root bark 981 Flavonoids, from Brosimum 1047 from Myristica 155 methylenedioxy-, from Blutaparon 145 from Pterocarpus 605 prenylated, chemotaxonomic significance of, in Humulus 759 Isoprenoid biosynthesis, in marine diatoms 21 Fungi 59, 209, 231, 293, 395, 571, 581, 675, 747, 829, 1039, 1087 Koelpinia linearis, triterpenoids from 305 Gackstroemia decipiens, sesqui- and diterpenes from 247 L-Galactose, as intermediate in the conversion of D-glucose to ascorbic acid 433 Gallotannins, from Rhus adventitious root cultures 357 Labiatae, see Lamiaceae Galloylcaffeoylthreonic acids, from Cornus 405 Garcinia pseudoguttifera, benzophenones from 281 Lamiaceae 103, 533, 733, 855, 911, 931, 951 Laretia acaulis, mulinane diterpenoids from 961 G. vilersiana, xanthones and triterpenoids from 111 Gentianaceae 427, 881 Lauraceae 811 Gentianella alborosea, sesterterpenoid from 881 Lectin, from African yam bean, effect of on insect development 667 Gibberella fujikuroi, biotransformation of diterpenoid by 395 Leguminosae, see Fabaceae Gibberellins, form *Prunus* seedlings and trees 519 Lepicolea ochroleuca, sesqui- and diterpenoids from 845 Glutathione conjugate, of trans-cinnamic acid, vacuolar transport of in Lettowianthus stellatus, aporphinoid alkaloids from 1067 Beta 441 Lignans, sesqui-, from Bonamia 199 Glycan chain, from peanut peroxidase, sequence specific ¹H-NMR Lignin composition, in phenylalanine ammonia-lyase-inhibited radish analysis of 135 seedlings 365 Goodyera schlechtendaliana, flavonol glycosides from 997 Liliaceae 575, 1051 Gramineae, see Poaceae Limonoids, from Astrotrichilia 115 Grevillea robusta, phenolics from 149 γ-Linolenic acid content, of seed oils from Echium 451 Guttiferae, see Clusiaceae Lipid composition, of Botrytis germlings extracellular matrix 293 Gymnema sylvestre, oleanane saponins from 893 Lipids, polar, form Chlamydomonas 265 Gynura elliptica, p-hydroxyacetophenone derivative and chromane Lipoxygenase pathway, in olive callus cultures 13 from 833 Lithospermum erythrorhizon, caffeic acid oligomers in cell cultures of 651 Loganiaceae 1057 Lonicera japonica, secologanin synthase, a cytochrome P450 enzyme Haemodoraceae 331 from 7 Haslea ostrearia, polyunsaturated serterterpenoids from 607 L. quinquelocularis, iridoid glycosides from 499 Hedera helix, triterpene saponins from 905 Lycopersicon esculentum, fatty acid hydroperoxide from 177 Helichrysum caespititium, antimicrobial acylated phloroglucinol from Lycopodium lucidulum, alkaloids from 503 93 Lysichitum americanum, antifungal nitro compounds from 55

from Grevillea 149

Phenylphenalenones, phenylpropanoid precursors for biosynthesis of, M Magnoliaceae 1001 in Anigozanthos 331 Phenylpropanoid Malvaceae 679 Meliaceae 115, 371, 465, 1091 glycosides, from Smilax 1051 Methyl dihydrohardwickiate, synthesis of 851 precursors, for phenylphenalenone biosynthesis in *Anigozanthos* 331 Phenylpropanoids, from Peganum 1075 Microcitrus inodora, volatiles from 1083 Milleria quinqueflora, anti-inflammatory sesquiterpene lactones from Phlomis rigida, iridoid glucosides from 931 Phloroglucinols, 257 Mimosa pudica, leaf-closing and leaf-opening substances from 39 acylated, antimicrobial, from Helichrysum 93 from Hypericum 705 Monoterpenoid glycosides, from Solenostemma 937 Phorbol esters, with anti-HIV-1 activity, from Croton seeds 457 Monoterpenoids, oxygenated, from Passiflora fruit pulp 97 Montrouziera sphaeroidea, xanthone and dihydroisocoumarin from Phytoalexins, 1043 biotransformation of by Rhizoctonia 59 Moraceae 325, 1047 from Cruciferae 161 Phytochelatin homologues, induced in horseradish hairy roots 239 Morus alba, urease from, important to silkworm 325 Mucor ramannianus, microbial transformation of papaveraldine by 675 Pinaceae 447 Musa acuminata, oxidation and epimerization of epigallocatechin in Pinus radiata, biotransformation of antifungal compound from Trichoderma by 447 311 Piper cenocladum, accumulation of amides in, after removal of ant Musaceae 311 Myristica malabarica, isoflavone from 155 mutualists 51 Piperaceae 51 Myristicaceae 155 Pistia stratiotes, L-ascorbic acid and L-galactose as precursors of oxalic Myrtaceae 975 acid and calcium oxalate in 433 Plant growth regulators, produced by Penicillium 829 Poaceae 29, 195, 223, 319 Polyalthia suberosa, azaanthracene alkaloid from 1079 Naphthoquinones, antifungal and larvicidal, from Cordia roots 613 Polysaccharides, scission of by peroxidase-generated hydroxyl radicals Naringenin, sulphation of, by Cunninghamella 209 Nitro compounds, antifungal, from cupric chloride treated Lysichitum Polysiphonia sphaerocarpa, bromoanisoles and bromocresols from 77 Porella acutifolia, pinguisane sesquiterpenoids from 593 Nitzschia ovalis, isoprenoid biosynthesis in 21 Pregnane glycosides, from Solenostemma 937 Norlignan, from Cremanthodium 1103 Proanthocyanidins, Nyctinastic leaf movement, chemical control of 39 from Acacia, structure and synthesis of 785 Nyssa sylvatica, 7-caffeoylsedoheptulose from 1033 from Cassia, structure and synthesis of 795 Nyssaceae 1033 from Vitis seeds 1097 Proteaceae 149 Protease, cucumisin-like, from Euphorbia latex 639 Protein biochemistry, allene oxide synthase, from corn seeds 319 Ochratoxin A, radiolabelled, uptake of from soil by coffee plants 377 fatty acid hydroperoxide lyase, from tomato 177 Olea europaea, lipoxygenase pathway in callus cultures of 13 hexokinase activities, in maize root homogenates 29 Oleaceae 13 hexose kinase isoforms, in rice embryo 195 Orchidaceae 987, 997 hydroquinone: O-glycosyltransferase, from Rauvolfia cell cultures Orobanchaceae 45 Orobanche cumana, induction of seed germination of by sunflower indoxyl-UDPG-glycosyltransferase, from Baphicacanthus cusia 201 sesquiterpene lactone analogues 45 lipoxygenases, from olive callus cultures 13 Oryza sativa, hexose kinase isoforms from 195 protease, cucumisin-like, from Euphorbia latex 639 Oxalic acid, in Pistia, 1-ascorbic acid as precursor in biosynthesis of secologanin synthase, a cytochrome P450 monooxygenase from Lonicera 7 Oxylipins, 5-lipoxygenase-derived, from Rhodymenia 129 UDP-glucuronate:baicalein 7-O-glucuronosyltransferase, from Scutellaria 533 urease, from mulberry leaves 325 xanthone 6-hydroxylase, from Centaurium and Hypericum cultures Paclitaxel, screening of Taxus species and cultivars for 383 Papaver somniferum, distribution of alkaloid gene transcript Proteins, from chickpea cell walls, oxidative cross-linking of 1 accumulation in 555 Prunus avium, gibberellins from seedlings and trees of 519 Papaveraceae 555 Pteridophyta 503 Papaveraldine, microbial transformation of by Mucor 675 Pterocarpus, isoflavone from 605 Passiflora quadrangularis, oxygenated monoterpenoids from 97 α-Pyrones, from Cryptocarya 811 Passifloraceae 97 Peanut peroxidase, sequence specific ¹H NMR analysis of glycan chain of 135 Peganum nigellastrum, alkaloids and phenylpropanoids from 1075 Quillaja saponaria, triterpenoid saponins from 861 Penicillium, plant growth regulators produced by 829 6-n-Pentyl-2H-pyran-2-one, from Trichoderma, biotransformation of by Pinus cultures 447 Phaeodactylum tricornutum, isoprenoid biosynthesis in 21 Phenanthrenes, from Dendrobium 987 Raphanus sativus, altered lignin composition in PAL-inhibited Phenolic glycosides, seedlings of 365 from Cotoneaster 699 Rauvolfia serpentina, hydroquinone: O-glucosyltransferase from 187 from Tetracentron bark 1001 Rhizoctonia solani, biotransformation of the phytoalexin camalexin by Phenolics. Rhodymenia pertusa, 5-lipoxygenase-derived oxylipins from 129 from Cornus leaves 405

Rhus javanica, galloylglucoses and anthocyanidin from 357

Subject Index XXI

R. pyroides, bichalcone from 1005	T
Riboflavin biosynthesis, in <i>Arabidopsis</i> , molecular genetics of 723 Riccionidin A, from <i>Rhus</i> adventitious root cultures 357	Tabebuia impetiginosa, anti-inflammatory cyclopentene dialdehydes from 869
Rosaceae 519, 679, 699, 861 Rubiaceae 377, 837	Taraxacum linearisquameum, sesquiterpene lactones from 317 Taxaceae 383
Ruta montana, quinoline alkaloids from 277 Rutaceae 277, 1083	Taxus species, screening of for paclitaxel-type taxoids 383 Terphenyllins, from Aspergillus 581
s	Tessaria integrifolia, eudesmane sesquiterpenoids from 479 Tetracentron sinense, phenolic glycosides from 1001
	Tetranortriterpenoids,
Salvia gilliessi, icetexane and abietane diterpenoids from 911	from Entandrophragma 465
S. miltiorrhiza, abietane diterpenoids from 951	insecticidal, from Azadirachta 371
S. polystachya, cis-neo-clerodane diterpenoids from 103	Theaceae 391, 941
Sapogenin lactones, from Albizia 885	Trifolium alexandrinum, chalcanol glucosides from 40
Saponins, triterpenoid, from <i>Albizia</i> 885	Triphyophyllum peltatum, acetogenic origin of droserone from 339
from Astragalus 469	Tripterygium hypoglaucum, terpenoids from 715 T. wilfordii, triterpenoids from 805
from Bacopa 711	Triterpenoids,
from Camellia roots 941	from <i>Garcinia</i> bark 111
from Hedera fruits 905	from Ilex 901
from <i>Ilex</i> 901 from <i>Quillaja</i> 861	from Koelpinia 305
oleanane, from Gymnema 893	from Tripterygium 715, 805
Scrophulariaceae 711	Trocholejeunea sandvicensis, pinguisane sesquiterpenes from 271
Scutellaria baicalensis, baicalein 7-O-glucuronosyltransferase from 533 Secologanin synthase, a cytochrome P450 monoxygenase from	
Lonicera 7 Sesquiterpene lactone glycosides,	U
eudesmanolides, from <i>Hyaloseris</i> 873	Umbelliferae, see Apiaceae
from Sonchus 473	Urease, from mulberry leaf, important to silkworm 325
Sesquiterpene lactones,	Uvaria dulcis, chalcone and dihydrochalcone from 511
from <i>Milleria</i> , anti-inflammatory activity of 257	
from sunflower, analogues of inducing <i>Orobanche</i> seed germination 45	
from Taraxacum 317	V
fungicidal activity of 747	Vellozia compacta, cleistanthane diterpene lactone from 917 Velloziaceae 917
Sesquiterpenoids,	Verbenaceae 921
eudesmane, from <i>Tessaria</i> 479	Vigna radiata, changes in carbon metabolism enzymes in relation to
from Cremanthodium 1103 from Gackstroemia 247	carbohydrate status in pods of 539
from Lepicolea 845	V. unguiculata, effects of seed lectin from on insect development 667
from Tripterygium 715	Vitex canescens, highly oxygenated ecdysteroids from 921
gymnomitrane, biosynthesis of in liverworts 645	Vitaceae 659, 679, 1097
pinguisane,	Vitis amurensis, procyanidins from seeds of 1097 V. vinifera, mediation by calcium of sugar-stimulated anthocyanin
from <i>Porella</i> 593 from <i>Trocholejeunea</i> 271	biosynthesis in 659
Sesterterpenoids,	Volatiles, from <i>Microcitrus</i> juice and oil 1083
from Gentianella 881	Vriesea sanguinolenta, flavone glycoside from 965
polyunsaturated, from Haslea 607	
Sinapoyl esters, seed-derived, as lignin precursors in radish 365	
Smilax glabra, phenylpropanoid glycosides from 1051 Solanaceae 177, 739, 777	X
Solanaceae 177, 759, 777 Solanum phureja, photo-induced synthesis of tomatidenol-based glycoalkaloids in 739	Xanthone 6-hydroxylase, form <i>Centaurium</i> and <i>Hypericum</i> cell culture 427
Solenostemma argel, monoterpene and pregnane glucosides from 937	Xanthones,
Sonchus asper, sesquiterpene lactone glucosides from 473	from Calophyllum 1021
Sophora davidii, stilbene oligomers from 1009	from <i>Garcinia</i> bark 111 from <i>Montrouziera</i> 1043
Stenogramme interrupta, antiviral carrageenans from 81 Stereum hirsutum, phytotoxic acetylenic aromatics from 571	from Montrouziera 1043
Steroidal glycosides, from Asclepias 485	
Stibene oligomers, from Sophora roots 1009	
Stilbenoids, from <i>Hopea</i> bark 1015	Z Zag mays
Strychnos guianensis, quaternary indole alkaloids from 1057 Sucrose	Zea mays, allene oxide synthase from 319
metabolism, and changes in carbon metabolism enzymes, in	two pools of hexokinase activities in 29
developing mung bean pods 539	variation of benzoxazinones in 223
sensing, in grape cells accumulating anthocyanins 659	Zygophyllaceae 1075