

Analytical Studies

▼ Letters

- 860 *Pitzko I, Mohn T, Sedlacek N, Hamburger M.* Composition of *Indigo naturalis*. *Planta Medica* 2009; 75 (8): 860–863
- 1613 *Qiao X, Zhang Y-T, Ye M, Wang B-R, Han J, Guo D.* Analysis of Chemical Constituents and Taxonomic Similarity of *Salvia* Species in China Using LC/MS. *Planta Medica* 2009; 75 (15): 1613–1617
- 184 *Rösler TW, Matusch R, Weber B, Schwarze B.* Analysis of the Hydrodistillate from the Fruits of *Serenoa repens*. *Planta Medica* 2009; 75 (2): 184–186

Original Papers

- 381 *Avula B, Wang Y, Smillie TJ, Khan IA.* Quantitative Determination of Triterpenoids and Formononetin in Rhizomes of Black Cohosh (*Actaea racemosa*) and Dietary Supplements by Using UPLC-UV/ELS Detection and Identification by UPLC-MS. *Planta Medica* 2009; 75 (4): 381–386
- 280 *Bertolucci SKV, Pereira ABD, Pinto JEBP, de Aquino Ribeiro JA, de Oliveira AB, Braga FC.* Development and Validation of an RP-HPLC Method for Quantification of Cinnamic Acid Derivatives and Kaurane-Type Diterpenes in *Mikania laevigata* and *Mikania glomerata*. *Planta Medica* 2009; 75 (3): 280–285
- 1448 *Chen C, Spriano D, Meier B.* Reduction of β -Asarone in Acori Rhizoma by Decoction. *Planta Medica* 2009; 75 (13): 1448–1452
- 757 *Chen S-N, Lankin DC, Chadwick LR, Jaki BU, Pauli GF.* Dynamic Residual Complexity of Natural Products by qHNMR: Solution Stability of Desmethyloxanthohumol. *Planta Medica* 2009; 75 (7): 757–762
- 271 *Lawaetz AJ, Schmidt B, Staerk D, Jaroszewski JW, Bro R.* Application of Rotated PCA Models to Facilitate Interpretation of Metabolite Profiles: Commercial Preparations of St. John's Wort. *Planta Medica* 2009; 75 (3): 271–279
- 1171 *Leung KS-Y, Fu CM.* Improved Chromatographic Assessment of Chinese Medicinal Products by Multi-Chemical Classes Analysis. *Planta Medica* 2009; 75 (10): 1171–1179
- 84 *Liu Z, Chao Z, Liu Y, Song Z, Lu A.* Maillard Reaction Involved in the Steaming Process of the Root of *Polygonum multiflorum*. *Planta Medica* 2009; 75 (1): 84–88
- 286 *McIntyre KL, Harris CS, Saleem A, Beaulieu L-P, Ta CA, Haddad PS, Arnason JT.* Seasonal Phytochemical Variation of Anti-Glycation Principles in Lowbush Blueberry (*Vaccinium angustifolium*). *Planta Medica* 2009; 75 (3): 286–292
- 1356 *Okada T, Nakamura Y, Kanaya S, Takano A, Malla KJ, Nakane T, Kitayama M, Sekita S.* Metabolome Analysis of *Ephedra* Plants with Different Contents of Ephedrine Alkaloids by Using UPLC-Q-TOF-MS. *Planta Medica* 2009; 75 (12): 1356–1362
- 660 *Perry NB, Burgess EJ, Rodríguez Guitián MA, Romero Franco R, López Mosquera E, Smallfield BM, Joyce NI, Littlejohn RP.* Sesquiterpene Lactones in *Arnica montana*: Helenalin and Dihydrohelenalin Chemotypes in Spain. *Planta Medica* 2009; 75 (6): 660–666
- 178 *Wu L, Dixon PM, Nikolau BJ, Kraus GA, Widrlechner MP, Wurtele ES.* Metabolic Profiling of *Echinacea* Genotypes and a Test of Alternative Taxonomic Treatments. *Planta Medica* 2009; 75 (2): 178–183

Biochemistry, Molecular Biology and Biotechnology

▼ Letters

- 1459 *Coniglio M, Kreis W.* Immobilization of Flavonol 3-O- β -Heterodisaccharidase on Porous Glass and Production of Rutinose from Rutin. *Planta Medica* 2009; 75 (13): 1459–1461
- 557 *Diao Y, Lin X-M, Liao C-L, Tang C-Z, Chen Z-J, Hu Z-L.* Authentication of *Panax ginseng* from its Adulterants by PCR-RFLP and ARMS. *Planta Medica* 2009; 75 (5): 557–560
- 873 *Xue C-Y, Li D-Z, Wang Q-Z.* Application of LightCycler Polymerase Chain Reaction and Melting Curve Analysis to the Authentication of the Traditional Chinese Medicinal Plant *Cimicifuga foetida*. *Planta Medica* 2009; 75 (8): 873–875
- 667 *Yao H, Song J-Y, Ma X-Y, Liu C, Li Y, Xu H-X, Han J-P, Duan L-S, Chen S-L.* Identification of *Dendrobium* Species by a Candidate DNA Barcode Sequence: The Chloroplast *psbA-trnH* Intergenic Region. *Planta Medica* 2009; 75 (6): 667–669
- 396 *Zhang J, Zuo G, Bai Q, Wang Y, Yang R, Qiu J.* Microarray Expression Profiling of *Yersinia pestis* in Response to Berberine. *Planta Medica* 2009; 75 (4): 396–398
- 870 *Zheng C-J, Zhao S-J, Zhao Z-H, Guo J.* Molecular Authentication of the Traditional Medicinal Plant *Fallopia multiflora*. *Planta Medica* 2009; 75 (8): 870–872

Original Papers

- 187 *Amini A, Glévarac G, Andreu F, Rideau M, Crèche J.* Low Levels of Gibberellic Acid Control the Biosynthesis of Ajmalicine in *Catharanthus roseus* Cell Suspension Cultures. *Planta Medica* 2009; 75 (2): 187–191
- 1453 *Aquil S, Husaini AM, Abdin MZ, Rather GM.* Overexpression of the HMG-CoA Reductase Gene Leads to Enhanced Artemisinin Biosynthesis in Transgenic *Artemisia annua* Plants. *Planta Medica* 2009; 75 (13): 1453–1458
- 1618 *Chen L-Y, Chen Q-L, Xu D, Hao J-G, Schläppi M, Xu Z-Q.* Changes of Gentiopicroside Synthesis during Somatic Embryogenesis in *Gentiana macrophylla*. *Planta Medica* 2009; 75 (15): 1618–1624
- 864 *Howard C, Bremner PD, Fowler MR, Isodo B, Scott NW, Slater A.* Molecular Identification of *Hypericum perforatum* by PCR Amplification of the ITS and 5.8S rDNA Region. *Planta Medica* 2009; 75 (8): 864–869
- 1180 *Jayasinghe R, Hai Niu L, Coram TE, Kong S, Kaganovitch J, Xue CCL, Li CG, Pang ECK.* Effectiveness of an Innovative Prototype Subtracted Diversity Array (SDA) for Fingerprinting Plant Species of Medicinal Importance. *Planta Medica* 2009; 75 (10): 1180–1185
- 1542 *Liu S, Tian N, Li J, Huang J, Liu Z.* Isolation and Identification of Novel Genes Involved in Artemisinin Production from Flowers of *Artemisia annua* Using Suppression Subtractive Hybridization and Metabolite Analysis. *Planta Medica* 2009; 75 (14): 1542–1547
- 387 *Nunes IS, Faria JMS, Figueiredo AC, Pedro LG, Trindade H, Barroso JG.* Menthol and Geraniol Biotransformation and Glycosylation Capacity of *Levisticum officinale* Hairy Roots. *Planta Medica* 2009; 75 (4): 387–391
- 94 *Qiu Y-X, Zong M, Yao Y, Chen B-L, Zhou X-L, Chen Z-L, Fu C-X.* Genetic Variation in Wild and Cultivated Rhizoma Corydalis Revealed by ISSRs Markers. *Planta Medica* 2009; 75 (1): 94–98
- 1271 *Ruzicka J, Lukas B, Merza L, Göhler I, Abel G, Popp M, Novak J.* Identification of *Verbena officinalis* Based on ITS Sequence

- Analysis and RAPD-Derived Molecular Markers. *Planta Medica* 2009; 75 (11): 1271–1276
- 1266 Tamhankar S, Ghate V, Raut A, Rajput B. Molecular Profiling of “Chirayat” Complex using Inter Simple Sequence Repeat (ISSR) Markers. *Planta Medica* 2009; 75 (11): 1266–1270
- 392 Techen N, Pan Z, Scheffler BE, Khan IA. Detection of *Illicium anisatum* as Adulterant of *Illicium verum*. *Planta Medica* 2009; 75 (4): 392–395
- 1625 Wang H, Ma C, Ma L, Du Z, Wang H, Ye H, Li G, Liu B, Xu G. Secondary Metabolic Profiling and Artemisinin Biosynthesis of Two Genotypes of *Artemisia annua*. *Planta Medica* 2009; 75 (15): 1625–1633
- 89 Xie H, Huo K, Chao Z, Pan S. Identification of Crude Drugs from Chinese Medicinal Plants of the Genus *Bupleurum* Using Ribosomal DNA ITS Sequences. *Planta Medica* 2009; 75 (1): 89–93
- 550 Ye X, Bun Ng T. A Trypsin-Chymotrypsin Inhibitor with Antiproliferative Activity from Small Glossy Black Soybeans. *Planta Medica* 2009; 75 (5): 550–556

Biological Screening

Letters

- 1634 Frédérich M, Marcowycz A, Cieckiewicz E, Mégalizzi V, Angeot L, Kiss R. *In Vitro* Anticancer Potential of Tree Extracts from the Walloon Region Forest. *Planta Medica* 2009; 75 (15): 1634–1637

Original Papers

- 1363 Nour AMM, Khalid SA, Kaiser M, Brun R, Abdallah WE, Schmidt TJ. The Antiprotozoal Activity of Sixteen Asteraceae Species Native to Sudan and Bioactivity-Guided Isolation of Xanthanolides from *Xanthium brasiliicum*. *Planta Medica* 2009; 75 (12): 1363–1368

Clinical Studies

Original Papers

- 466 Herrera-Arellano A, Jiménez-Ferrer E, Zamilpa A, de los Angeles Martínez-Rivera M, Rodríguez-Tovar AV, Herrera-Alvarez S, Salas-Andonaegui ML, Nava-Xalpa MY, Méndez-Salas A, Tortoriello J. Exploratory Study on the Clinical and Mycological Effectiveness of a Herbal Medicinal Product from *Solanum chrysotrichum* in Patients with *Candida* Yeast-Associated Vaginal Infection. *Planta Medica* 2009; 75 (5): 466–471
- 105 Olsson EMG, von Schéele B, Panossian AG. A Randomised, Double-Blind, Placebo-Controlled, Parallel-Group Study of the Standardised Extract SHR-5 of the Roots of *Rhodiola rosea* in the Treatment of Subjects with Stress-Related Fatigue. *Planta Medica* 2009; 75 (2): 105–112

Editorials

- 2 Acknowledgement. *Planta Medica* 2009; 75 (1): 2–6
- 1 Editorial. *Planta Medica* 2009; 75 (1): 1
- 671 Ganzera M, Sturm S, Stuppner H. Plant Analysis – State of the Art and Future Developments. *Planta Medica* 2009; 75 (7): 671

Errata

- 875 Erratum. *Planta Medica* 2009; 75 (8): 875
- 1236 Erratum for: Additive Antimicrobial Effects of the Active Components of the Essential Oil of *Thymus vulgaris* – Chemotype Carvacrol. *Planta Medica* 2009; 75 (11): 1236
- 1461 Erratum for: Analysis of *Rhaponticum carthamoides* (Willd.) Iljin crude extracts composition and ability to simulate cell proliferation. *Planta Medica* 2009; 75 (13): 1461
- 1414 Erratum for: Inhibitory Effect of Triterpenoid Saponins from the Leaves of *Ilex kudingcha* on Aggregated LDL-Induced Lipid Deposition in Macrophages. *Planta Medica* 2009; 75 (13): 1414
- 293 Rollinger JM, Schuster D, Danzl B, Schwaiger S, Markt P, Schmidtke M, Gertsch J, Raduner S, Wolber G, Langer T, Stuppner H. *In silico* Target Fishing for Rationalized Ligand Discovery Exemplified on Constituents of *Ruta graveolens* L. *Planta Med* 2009, 75: 195–204. *Planta Medica* 2009; 75 (3): 293
- 192 Xue C-Y, Li D-Z, Wang Q-Z. Identification and Quantification of the Traditional Chinese Medicinal Plant *Gentiana macrophylla* using Taqman Real-Time PCR. *Planta Med* 2008, 74: 1842–1845. *Planta Medica* 2009; 75 (2): 192

Natural Product Chemistry

Letters

- 371 Ali Z, Khan SI, Khan IA. Soyasaponin Bh, a Triterpene Saponin Containing a Unique Hemiacetal-Functional Five-Membered Ring from *Glycine max* (Soybeans). *Planta Medica* 2009; 75 (4): 371–374
- 1351 Berkov S, Cuadrado M, Osorio E, Viladomat F, Codina C, Bastida J. Three New Alkaloids from *Galanthus nivalis* and *Galanthus elwesii*. *Planta Medica* 2009; 75 (12): 1351–1355
- 856 Chiou W-F, Shen C-C, Chen C-C, Lin C-H, Huang Y-L. Oligostilbenes from the Roots of *Vitis thunbergii*. *Planta Medica* 2009; 75 (8): 856–859
- 537 Choi YH, Young Yoo M, Whan Choi C, Cha M-R, Hwan Yon G, Young Kwon D, Sup Kim Y, Park W-K, Yong Ryu S. A New Specific BACE-1 Inhibitor from the Stem Bark Extract of *Vitis vinifera*. *Planta Medica* 2009; 75 (5): 537–540
- 375 Dai S-J, Ren Y, Shen L, Zhang D-W. New Alkaloids from *Forsythia suspensa* and their Anti-Inflammatory Activities. *Planta Medica* 2009; 75 (4): 375–377
- 1537 Feng T, Cai X-H, Zhao P-J, Du Z-Z, Li W-Q, Luo X-D. Monoterpene Indole Alkaloids from the Bark of *Alstonia scholaris*. *Planta Medica* 2009; 75 (14): 1537–1541
- 547 Fu Y, Zhou Y, Liao X, Bai B, Peng S, Ding L. A New Alkaloid from *Corydalis hendersonii*. *Planta Medica* 2009; 75 (5): 547–549
- 541 Garo E, Hung CS, Williams RB, Olson KM, Hu J-F, Rice SM, Hough GW, Goering MG, O’Neil-Johnson M, Eldridge GR, Starks CM. Dammarane-Type Triterpene Glycosides from *Oncoba manii* Active against Methicillin-Resistant *Staphylococcus aureus*. *Planta Medica* 2009; 75 (5): 541–543
- 268 Lee JS, Oh WK, Ahn JS, Kim YH, Mbafor JT, Wandji J, Fomum ZT. Prenylisoflavonoids from *Erythrina senegalensis* as Novel HIV-1 Protease Inhibitors. *Planta Medica* 2009; 75 (3): 268–270
- 80 Lima LARS, Pimenta LPS, Boaventura MAD. Two New Adjacent Bis-Tetrahydrofuran Annonaceous Acetogenins from

- Seeds of *Annona cornifolia*. *Planta Medica* 2009; 75 (1): 80–83
- 1534 Li Y-L, Yang X, Li S-M, Tang J, Tian J-M, Peng X-Y, Huang D-S, Zhang W-D. Two New Spirobiflavonoids from *Abies chensiensis* with Moderate NO Production Inhibitory Activity. *Planta Medica* 2009; 75 (14): 1534–1537
- 1162 Mei R, Liang H, Wang J, Zeng L, Lu Q, Cheng Y. New Seco-antraquinone Glucosides from *Rumex nepalensis*. *Planta Medica* 2009; 75 (10): 1162–1164
- 364 Nugroho A, Choi J-K, Park J-H, Lee K-T, Cha BC, Park H-J. Two New Flavonol Glycosides from *Lamium amplexicaule* L. and Their *in vitro* Free Radical Scavenging and Tyrosinase Inhibitory Activities. *Planta Medica* 2009; 75 (4): 364–366
- 378 Semwal DK, Rawat U. Antimicrobial Hasubanalactam Alkaloid from *Stephania glabra*. *Planta Medica* 2009; 75 (4): 378–380
- 1165 Si C-L, Kim J-K, Bae Y-S, Li S-M. Phenolic Compounds in the Leaves of *Populus ussuriensis* and their Antioxidant Activities. *Planta Medica* 2009; 75 (10): 1165–1167
- 1258 Tabopda TK, Fotso GW, Ngoupayo J, Mitaine-Offer A-C, Ngadjui BT, Lacaille-Dubois M-A. Antimicrobial Dihydroisocoumarins from *Crassocephalum biafrae*. *Planta Medica* 2009; 75 (11): 1258–1261
- 534 Tian J, Yang X, Di Y, Ma Y, Li L, Li L, He H, Hao X. Antioxidant Lignans from *Mananthes patentiflora*. *Planta Medica* 2009; 75 (5): 534–537
- 1168 Togola A, Hedding B, Theis A, Wangenstein H, Rise F, Smestad Paulsen B, Diallo D, Egil Malterud K. 15-Lipoxygenase Inhibitory Effects of Prenylated Flavonoids from *Erythrina senegalensis*. *Planta Medica* 2009; 75 (10): 1168–1170
- 1262 Wang X-Y, Shi H-M, Zhang L, Li X-B. A New Chalcone Glycoside, a New Tetrahydrofuranoid Lignan, and Antioxidative Constituents from the Stems and Leaves of *Viburnum propinquum*. *Planta Medica* 2009; 75 (11): 1262–1265
- 367 Wu J, Zhou T, Zhang S, Zhang X, Xuan L. Cytotoxic Terpenoids from the Fruits of *Vitex trifolia* L. *Planta Medica* 2009; 75 (4): 367–370
- 656 Yang C, An Q, Xiong Z, Song Y, Yu K, Li F. Triterpenes from *Acanthopanax sessiliflorus* Fruits and their Antiplatelet Aggregation Activities. *Planta Medica* 2009; 75 (6): 656–659
- 543 Yang X, Küenzi P, Plitzko I, Potterat O, Hamburger M. Bicyclononane Aldehydes and Antiproliferative Constituents from *Amomum tsao-ko*. *Planta Medica* 2009; 75 (5): 543–546
- 654 Zhou X, Xu Q, Li J-X, Chen T. Structural Revision of Two Flavanonol Glycosides from *Smilax glabra*. *Planta Medica* 2009; 75 (6): 654–655
- 1349 Zuo G, He H, Shen Y, Xu X, Wang Z, Yan C, Hao X. Spiraeosides A and B, Two New Diterpenoid Glucosides from *Spiraea japonica* var. *ovalifolia*. *Planta Medica* 2009; 75 (12): 1349–1351
- Primary Rat Hepatocyte Injury Induced by *t*-Butyl Hydroperoxide. *Planta Medica* 2009; 75 (11): 1253–1257
- 1526 Bossy A, Blaschek W, Classen B. Characterization and Immunolocalization of Arabinogalactan-Proteins in Roots of *Echinacea purpurea*. *Planta Medica* 2009; 75 (14): 1526–1533
- 1246 Chai X-Y, Ren H-Y, Xu Z-R, Bai C-C, Zhou F-R, Ling S-K, Pu X-P, Li F-F, Tu P-F. Investigation of Two Flacourtiaceae Plants: *Bennettiodendron leprosipes* and *Flacourtia ramontchi*. *Planta Medica* 2009; 75 (11): 1246–1252
- 346 Chantong B, Wongtongtair S, Nusuetrong P, Sotanaphun U, Chaichantipyuth C, Meksuriyen D. Stability of Barakol under Hydrolytic Stress Conditions and its Major Degradation Product. *Planta Medica* 2009; 75 (4): 346–350
- 1152 Damu AG, Kuo P-C, Shi L-S, Li C-Y, Su C-R, Wu T-S. Cytotoxic Phenanthroindolizidine Alkaloids from the Roots of *Ficus septica*. *Planta Medica* 2009; 75 (10): 1152–1156
- 1442 Dias DA, Silva CA, Urban S. Naphthalene Aglycones and Glycosides from the Australian Medicinal Plant, *Dianella calli-carpa*. *Planta Medica* 2009; 75 (13): 1442–1447
- 158 Ding Y, Nguyen HT, Choi EM, Bae KH, Kim YH. Rhusonoside A, a New Megastigmane Glycoside from *Rhus sylvestris*, Increases the Function of Osteoblastic MC3T3-E1 Cells. *Planta Medica* 2009; 75 (2): 158–162
- 1241 Duan L, Tao H-W, Hao X, Gu Q-Q, Zhu W-M. Cytotoxic and Antioxidative Phenolic Compounds from the Traditional Chinese Medicinal Plant, *Myristica fragrans*. *Planta Medica* 2009; 75 (11): 1241–1245
- 848 Du Y-C, Lin A-S, Wu C-C, Hsieh P-W, Chen Y-H, Chen I-H, Chen S-L, Yen H-F, Lübken T, Chang F-R, Wu Y-C. New Cytotoxic Lupane Triterpenes from *Perrottetia arisanensis*. *Planta Medica* 2009; 75 (8): 848–855
- 76 Feng T, Xu Y, Cai X-H, Du Z-Z, Luo X-D. Antimicrobially Active Isoquinoline Alkaloids from *Litsea cubeba*. *Planta Medica* 2009; 75 (1): 76–79
- 1344 Gan X, Ma L, Chen Q, Chen Q, Yu Q, Hu L. Terpenoids from Roots of *Chloranthus henryi*. *Planta Medica* 2009; 75 (12): 1344–1348
- 236 Gong T, Wang D-X, Chen R, Liu P, Yu D-Q. Novel Benzil and Isoflavone Derivatives from *Millettia dielsiana*. *Planta Medica* 2009; 75 (3): 236–242
- 1608 Han H, Yi Y, Xu Q, La M, Zhang H. Two New Cytotoxic Triterpene Glycosides from the Sea Cucumber *Holothuria scabra*. *Planta Medica* 2009; 75 (15): 1608–1612
- 641 He S, Yan R, Zuo L, Chen R. *ent*-Abietane and *ent*-Kaurane Diterpenoids from the Roots of *Suregada glomerulata*. *Planta Medica* 2009; 75 (6): 641–646
- 1157 Hu X-J, Di Y-T, Wang Y-H, Kong L-Y, Gao S, Li C-S, Liu H-Y, He H, Ding J, Xie H, Hao X. Carboline Alkaloids from *Trigonostemon lii*. *Planta Medica* 2009; 75 (10): 1157–1161
- 340 Jiang M-M, Gao H, Dai Y, Zhang X, Wang N-L, Yao X. Phenylpropanoid and Lignan Derivatives from *Antiaris toxicaria* and their Effects on Proliferation and Differentiation of an Osteoblast-Like Cell Line. *Planta Medica* 2009; 75 (4): 340–345
- 1146 Kim KH, Lee IK, Kim KR, Ha SK, Kim SY, Lee KR. New Benzamide Derivatives and NO Production Inhibitory Compounds from *Limonia acidissima*. *Planta Medica* 2009; 75 (10): 1146–1151
- 256 Lin A-S, Lin C-R, Du Y-C, Lübken T, Chiang MY, Chen I-H, Wu C-C, Hwang T-L, Chen S-L, Yen M-H, Chang F-R, Wu Y-C. Aca-siane A and B and Farnesirane A and B, Diterpene Deriva-

Original Papers

- 243 Azebaze AGB, Menasria F, Noumi LG, Nguemfo EL, Tchamfo MF, Nkengfack AE, Kolb JP, Meyer M. Xanthones from the Seeds of *Allanblackia monticola* and Their Apoptotic and Antiproliferative Activities. *Planta Medica* 2009; 75 (3): 243–248
- 1253 Ban NK, Thanh BV, Kiem PV, Minh CV, Cuong NX, Nhiem NX, Huang HT, Anh HT, Park E-J, Sohn DH, Kim YH. Dibenzocyclooctadiene Lignans and Lanostane Derivatives from the Roots of *Kadsura coccinea* and their Protective Effects on

- tives From the Roots of *Acacia farnesiana*. *Planta Medica* 2009; 75 (3): 256–261
- 1591 Li S-M, Yang X, Li Y-L, Shen Y-H, Feng L, Wang Y-H, Zeng H-W, Liu X-H, Zhang C-S, Long C-L, Zhang W-D. Chemical Constituents of *Dracocephalum forrestii*. *Planta Medica* 2009; 75 (15): 1591–1596
- 1597 Liu C-M, Zhu R-L, Liu R-H, Li H-L, Shan L, Xu X-K, Zhang W-D. *cis*-Clerodane Diterpenoids from the Liverwort *Gottschia schizopleura* and their Cytotoxic Activity. *Planta Medica* 2009; 75 (15): 1597–1601
- 635 Li W-X, Lei M, Fei D-Q, Gao K. Eremophilane-Type Sesquiterpene Derivatives from *Ligularia hodgsonii*. *Planta Medica* 2009; 75 (6): 635–640
- 843 Luo G-J, Ci X-X, Ren R, Wu Z-Y, Li H-M, Li H-Z, Li R-T, Deng X-M. Isolation of Two New Prenylflavonols from *Epimedium brevicornum* and their Effects on Cytokine Production *in vitro*. *Planta Medica* 2009; 75 (8): 843–847
- 528 Matthew S, Paul VJ, Luesch H. Largamides A–C, Tiglic Acid-Containing Cyclodepsipeptides with Elastase-Inhibitory Activity from the Marine Cyanobacterium *Lyngbya confervoides*. *Planta Medica* 2009; 75 (5): 528–533
- 262 Mbwambo ZH, Foubert K, Chacha M, Kapingu MC, Magadula JJ, Moshi MM, Lemièrre F, Goubitz K, Fraanje J, Peschar R, Vlietinck A, Apers S, Pieters L. New Furanoditerpenoids from *Croton jatrophioides*. *Planta Medica* 2009; 75 (3): 262–267
- 1427 Meickle T, Matthew S, Ross C, Luesch H, Paul V. Bioassay-Guided Isolation and Identification of Desacetylmicrocolin B from *Lyngbya cf. polychroa*. *Planta Medica* 2009; 75 (13): 1427–1430
- 163 Pasi S, Aliannis N, Pratsinis H, Skaltsounis A-L, Chinou IB. Biologically Active Triterpenoids from *Cephalaria ambrosioides*. *Planta Medica* 2009; 75 (2): 163–167
- 1431 Pittayakhajonwut P, Usuwan A, Intaraudom C, Veeranondha S, Srikitikulchai P. Sesquiterpene Lactone 12,8-Eudesmanolides from the Fungus *Xylaria ianthinovelutina*. *Planta Medica* 2009; 75 (13): 1431–1435
- 351 Su S-L, Duan JA, Tang Y-P, Zhang X, Yu L, Jiang F-R, Zhou W, Luo D, Ding A-W. Isolation and Biological Activities of Neomyrrhaol and Other Terpenes from the Resin of *Commiphora myrrha*. *Planta Medica* 2009; 75 (4): 351–355
- 522 Tabopda TK, Ngoupayo J, Khan Tanoli SA, Mitaine-Offier A-C, Ngadjui BT, Ali MS, Luu B, Lacaille-Dubois M-A. Antimicrobial Pentacyclic Triterpenoids from *Terminalia superba*. *Planta Medica* 2009; 75 (5): 522–527
- 1586 Tang J, Gao H, Wang C, Dai Y, Bao L, Ye W, Yao X. Antioxidative Phenylpropanoid-Substituted Epicatechin Glycosides from *Parabarium huaitingii*. *Planta Medica* 2009; 75 (15): 1586–1590
- 249 Tan Y-X, Yan R-Y, Wang H-Q, Chen R, Yu D-Q. Wittiorumins A–F, Antioxidant Diels-Alder-Type Adducts from *Morus wittiorum*. *Planta Medica* 2009; 75 (3): 249–255
- 70 Tian Y, Tang H-F, Qiu F, Wang X-J, Chen X-L, Wen A-D. Triterpenoid Saponins from *Ardisia pusilla* and their Cytotoxic Activity. *Planta Medica* 2009; 75 (1): 70–75
- 1602 Wang G-J, Tsai T-H, Chang T-T, Chou C-J, Lin L-C. Lanostanes from *Phellinus igniarius* and Their iNOS Inhibitory Activities. *Planta Medica* 2009; 75 (15): 1602–1607
- 1339 Wang L, Dong JY, Song H-C, Shen KZ, Wang LM, Sun R, Wang CR, Gao YX, Li GH, Li L, Zhang KQ. Three New Naphthoquinone Pigments Isolated from the Freshwater Fungus, *Astrosphaeriella papuana*. *Planta Medica* 2009; 75 (12): 1339–1343
- 1436 Wang W, Zhao J, Wang Y, Smillie TA, Li X-C, Khan IA. Diterpenoids from *Casearia sylvestris*. *Planta Medica* 2009; 75 (13): 1436–1441
- 230 Wang Y-L, Li R-P, Guo M-L, Zhang G, Zhang N, Ma Y-L. Bakkenolides from *Petasites tricholobus* and Their Neuroprotective Effects Related to Antioxidant Activities. *Planta Medica* 2009; 75 (3): 230–235
- 517 Wansi JD, Nwozo SO, Mbaze LM, Devkota KP, Donkwe Moladje SM, Fomum ZT, Sewald N. Amides from the Stem Bark of *Fagara macrophylla*. *Planta Medica* 2009; 75 (5): 517–521
- 512 Yang S-S, Wang G-J, Wang S-Y, Lin Y-Y, Kuo Y-H, Lee T-H. New Constituents with iNOS Inhibitory Activity from Mycelium of *Antrodia camphorata*. *Planta Medica* 2009; 75 (5): 512–516
- 174 Yang X-Z, Zhu J-Y, Tang C-P, Ke C-Q, Lin G, Cheng T-Y, Rudd JA, Ye Y. Alkaloids from Roots of *Stemona sessilifolia* and Their Antitussive Activities. *Planta Medica* 2009; 75 (2): 174–177
- 168 Yuan W-H, Yi Y, Tang H-F, Liu B-S, Wang Z-L, Sun G-Q, Zhang W, Li L, Sun P. Antifungal Triterpene Glycosides from the Sea Cucumber *Bohadschia marmorata*. *Planta Medica* 2009; 75 (2): 168–173
- 647 Yuan W-H, Yi Y, Tan R-X, Wang Z-L, Sun G-Q, Xue M, Zhang H, Tang H-F. Antifungal Triterpene Glycosides from the Sea Cucumber *Holothuria (Microthele) axiloga*. *Planta Medica* 2009; 75 (6): 647–653
- 65 Zhao Y, Huang S-X, Yang L-B, Pu J-X, Xiao W-L, Li L-M, Lei C, Weng Z-Y, Han Q-B, Sun H-D. Cytotoxic ent-Kaurane Diterpenoids from *Isodon henryi*. *Planta Medica* 2009; 75 (1): 65–69
- 356 Zhao Y, Kang L-P, Liu Y-X, Liang Y-G, Tan D-W, Yu Z-Y, Cong Y-W, Ma B-P. Steroidal Saponins from the Rhizome of *Paris polyphylla* and Their Cytotoxic Activities. *Planta Medica* 2009; 75 (4): 356–363

Perspectives



- 1187 Blomkvist J, Taube A, Larhammar D. Perspective on Roseroot (*Rhodiola rosea*) Studies. *Planta Medica* 2009; 75 (11): 1187–1190

Pharmacology



Letters

- 1143 Akendengué B, Champy P, Nzamba J, Roblot F, Loiseau PM, Bories C. Antifungal and Anthelmintic Activities of *Cleistopholis patens* (Annonaceae). *Planta Medica* 2009; 75 (10): 1143–1145
- 55 Ambili S, Subramoniam A, Nagarajan NS. Studies on the Antihyperlipidemic Properties of *Averrhoa bilimbi* Fruit in Rats. *Planta Medica* 2009; 75 (1): 55–58
- 1336 Borges-Argáez R, Vela-Catán T, Yam-Puc A, Chan-Bacab MJ, Moo-Puc RE, Cáceres-Farfán M. Antiprotozoal and Cytotoxic Studies on Some Isocordoin Derivatives. *Planta Medica* 2009; 75 (12): 1336–1338
- 332 Brill S, Zimmermann C, Berger K, Drewe J, Gutmann H. *In vitro* Interactions with Repeated Grapefruit Juice Administration – to Peel or not to Peel? *Planta Medica* 2009; 75 (4): 332–335

- 629 Cao L, Sun J, Shen Li Y, Chen Z, Li Y. Pharmacokinetic Analysis of Glaucoalyxin A in Rat Plasma by Liquid-Liquid Extraction and HPLC. *Planta Medica* 2009; 75 (6): 629–631
- 145 Capettini LSA, Campos LVA, dos Santos MH, Nagem TJ, Lemos VS, Cortes SF. Vasodilator and Antioxidant Effect of Xanthones Isolated from Brazilian Medicinal Plants. *Planta Medica* 2009; 75 (2): 145–148
- 1418 Esmaeili MA, Zohari F, Sadeghi H. Antioxidant and Protective Effects of Major Flavonoids from *Teucrium polium* on β -Cell Destruction in a Model of Streptozotocin-Induced Diabetes. *Planta Medica* 2009; 75 (13): 1418–1420
- 1423 Ester K, Ćurković-Perica M, Kralj M. The Phytohormone Auxin Induces G1 Cell-Cycle Arrest of Human Tumor Cells. *Planta Medica* 2009; 75 (13): 1423–1426
- 227 Ge HM, Jiao RH, Zhang YF, Zhang J, Wang YR, Tan RX. Cytotoxicity and Phytotoxicity of Trichothecene Macrolides from *Myrothecium gramminum*. *Planta Medica* 2009; 75 (3): 227–229
- 1141 Guan T, Li Y, Sun H, Tang X, Qian Y. Effects of Maslinic Acid, a Natural Triterpene, on Glycogen Metabolism in Cultured Cortical Astrocytes. *Planta Medica* 2009; 75 (10): 1141–1143
- 836 Kim TW, Choi H-J, Kim N-J, Kim D-H. Anxiolytic-like Effects of Ginsenosides Rg3 and Rh2 from Red Ginseng in the Elevated Plus-Maze Model. *Planta Medica* 2009; 75 (8): 836–839
- 148 Koh EM, Kim HJ, Kim S, Choi WH, Choi YH, Ryu SY, Kim YS, Koh WS, Park S-Y. Modulation of Macrophage Functions by Compounds Isolated from *Zingiber officinale*. *Planta Medica* 2009; 75 (2): 148–151
- 839 Kongtun S, Jiratchariyakul W, Kummalue T, Tan-ariya P, Kunnachak S, Wilhelm Frahm A. Cytotoxic Properties of Root Extract and Fruit Juice of *Trichosanthes cucumerina*. *Planta Medica* 2009; 75 (8): 839–842
- 59 Kumari P, Misra K, Sisodia BS, Faridi U, Srivastava S, Luqman S, Darokar MP, Negi AS, Gupta MM, Singh SC, Kumar JK. A Promising Anticancer and Antimalarial Component from the Leaves of *Bidens pilosa*. *Planta Medica* 2009; 75 (1): 59–61
- 1415 Lee B, Trung Trinh H, Bae E-A, Jung K, Kim D-H. Mangiferin Inhibits Passive Cutaneous Anaphylaxis Reaction and Pruritus in Mice. *Planta Medica* 2009; 75 (13): 1415–1417
- 152 Lee S-U, Shim KS, Ryu SY, Min YK, Kim SH. Machilin A Isolated from *Myristica fragrans* Stimulates Osteoblast Differentiation. *Planta Medica* 2009; 75 (2): 152–157
- 335 Lima MMC, López JA, David JM, Silva EP, Giulietti AM, de Queiroz LP, David JP. Acetylcholinesterase Activity of Alkaloids from the Leaves of *Waltheria brachypetala*. *Planta Medica* 2009; 75 (4): 335–337
- 337 Liu A-L, Shu S-H, Qin H-L, Lee SMY, Wang Y-T, Du G-H. *In vitro* Anti-Influenza Viral Activities of Constituents from *Caesalpinia sappan*. *Planta Medica* 2009; 75 (4): 337–339
- 142 Liu J-F, Shao M, Zhai D-W, Liu K, Wu L-J. Protective Effect of 4-Methoxy-5-hydroxycanthin-6-one, A Natural Alkaloid, on Dextran Sulfate Sodium-Induced Rat Colitis. *Planta Medica* 2009; 75 (2): 142–145
- 1517 López-Villegas EO, Herrera-Arellano A, de los Angeles Martínez-Rivera M, Álvarez L, Cano-Nepauseno M, Marquina S, Rodríguez-Tovar AV, Tortoriello J. Ultrastructural Changes on Clinical Isolates of *Trichophyton rubrum*, *Trichophyton mentagrophytes*, and *Microsporum gypseum* Caused by *Solanum chrysotrichum* Saponin SC-2. *Planta Medica* 2009; 75 (14): 1517–1520
- 329 Madgula VLM, Ali Z, Smillie T, Khan IA, Walker LA, Khan SI. Alkaloids and Saponins as Cytochrome P450 Inhibitors from Blue Cohosh (*Caulophyllum thalictroides*) in an *in vitro* Assay. *Planta Medica* 2009; 75 (4): 329–332
- 631 Ma L, Yang X-W, Xu W, Cai B-C, Hattori M. Intestinal Permeability of Antitumor Alkaloids from the Processed Seeds of *Strychnos nux-vomica* in a Caco-2 Cell Model. *Planta Medica* 2009; 75 (6): 631–634
- 62 Malhotra S, Suri S, Tuli R. Antioxidant Activity of Citrus Cultivars and Chemical Composition of Citrus karna Essential Oil. *Planta Medica* 2009; 75 (1): 62–64
- 508 Martínez AL, González-Trujano ME, Pellicer F, López-Muñoz FJ, Navarrete A. Antinociceptive Effect and GC/MS Analysis of *Rosmarinus officinalis* L. Essential Oil from its Aerial Parts. *Planta Medica* 2009; 75 (5): 508–511
- 1523 Miethbauer S, Gaube F, Möllmann U, Dahse H-M, Schmidtke M, Gareis M, Pickhardt M, Liebermann B. Antimicrobial, Antiproliferative, Cytotoxic, and Tau Inhibitory Activity of Rubellins and Caeruleoramularin Produced by the Phytopathogenic Fungus *Ramularia collo-cygni*. *Planta Medica* 2009; 75 (14): 1523–1525
- 1520 Theoduloz C, Rodríguez JA, Pertino M, Schmeda-Hirschmann G. Antiproliferative Activity of the Diterpenes Jatrophone and Jatropholone and Their Derivatives. *Planta Medica* 2009; 75 (14): 1520–1522
- 1421 Weng A, Bachran D, Görick C, Bachran C, Fuchs H, Melzig MF. A Simple Method for Isolation of *Gypsophila* Saponins for the Combined Application of Targeted Toxins and Saponins in Tumor Therapy. *Planta Medica* 2009; 75 (13): 1421–1422
- 327 Wierzchacz C, Su E, Kolander J, Gebhardt R. Differential Inhibition of Matrix Metalloproteinases-2, -9, and -13 Activities by Selected Anthraquinones. *Planta Medica* 2009; 75 (4): 327–329

Original Papers

- 216 Abbas S, Wink M. Epigallocatechin Gallate from Green Tea (*Camellia sinensis*) Increases Lifespan and Stress Resistance in *Caenorhabditis elegans*. *Planta Medica* 2009; 75 (3): 216–221
- 18 Aquila S, Rojano B, Recio MC, Giner RM, Schinella GR, Debenedetti SL, Saez J, Ríos JL. Anti-Inflammatory Activity of Berenjenol and Related Compounds. *Planta Medica* 2009; 75 (1): 18–23
- 1482 Beretta G, Rossoni G, Santagati NA, Facino RM. Anti-Ischemic Activity and Endothelium-Dependent Vasorelaxant Effect of Hydrolysable Tannins from the Leaves of *Rhus coriaria* (Sumac) in Isolated Rabbit Heart and Thoracic Aorta. *Planta Medica* 2009; 75 (14): 1482–1488
- 1331 Bicchì C, Rubiolo P, Ballero M, Sanna C, Matteodo M, Esposito F, Zinzula L, Tramontano E. HIV-1-Inhibiting Activity of the Essential Oil of *Ridolfia segetum* and *Oenanthe crocata*. *Planta Medica* 2009; 75 (12): 1331–1335
- 607 Burlando B, Ranzato E, Volante A, Appendino G, Pollastro F, Verotta L. Antiproliferative Effects on Tumour Cells and Promotion of Keratinocyte Wound Healing by Different Lichen Compounds. *Planta Medica* 2009; 75 (6): 607–613
- 1196 Butterweck V, Zdrojewski I, Galloway C, Frye R, Derendorf H. Toxicological and Pharmacokinetic Evaluation of Concomitant Intake of Grapefruit Juice and Simvastatin in Rats after

- Repeated Treatment over 28 Days. *Planta Medica* 2009; 75 (11): 1196–1202
- 472 Chen J, Ma M, Lu Y, Wang L, Wu C, Duan H. Rhaponticin from Rhubarb Rhizomes Alleviates Liver Steatosis and Improves Blood Glucose and Lipid Profiles in KK/Ay Diabetic Mice. *Planta Medica* 2009; 75 (5): 472–477
- 1573 Chen L, Xuan L, Wang Y-P. Effects of Magnesium Lithospermate B and its Analogues on Ca²⁺ Homeostasis in Cultured Rat Thoracic Aorta Vascular Smooth Muscle Cells. *Planta Medica* 2009; 75 (15): 1573–1579
- 808 Chen Q, Lu G, Wang Y, Xu Y, Zheng Y, Yan L, Jiang Z, Yang L, Zhan J, Wu Y, Zhou J. Cytoskeleton Disorganization during Apoptosis Induced by Curcumin in A549 Lung Adenocarcinoma Cells. *Planta Medica* 2009; 75 (8): 808–813
- 587 Chen W, Lu Z, Viljoen A, Hamman J. Intestinal Drug Transport Enhancement by *Aloe vera*. *Planta Medica* 2009; 75 (6): 587–595
- 302 Chien S-C, Yang C-W, Tseng Y-H, Tsay H-S, Kuo Y-H, Wang S-Y. *Lonicera hypoglauca* Inhibits Xanthine Oxidase and Reduces Serum Uric Acid in Mice. *Planta Medica* 2009; 75 (4): 302–306
- 620 da Silva Mota J, Leite AC, Batista Junior JM, Noélí López S, Luz Ambrósio D, Duó Passerini G, Kato MJ, da Silva Bolzani V, Barretto Cicarelli RM, Furlan M. *In vitro* Trypanocidal Activity of Phenolic Derivatives from *Peperomia obtusifolia*. *Planta Medica* 2009; 75 (6): 620–623
- 803 Dat NT, Lee K, Hong Y-S, Ho Kim Y, Van Minh C, Joon Lee J. A Peroxisome Proliferator-Activated Receptor- γ Agonist and Other Constituents from *Chromolaena odorata*. *Planta Medica* 2009; 75 (8): 803–807
- 211 Dharmappa KK, Kumar RV, Nataraju A, Mohamed R, Shivaprasad HV, Vishwanath BS. Anti-Inflammatory Activity of Oleanolic Acid by Inhibition of Secretory Phospholipase A₂. *Planta Medica* 2009; 75 (3): 211–215
- 501 Evidente A, Kireev AS, Jenkins AR, Romero AE, Steelant WFA, Van Slambrouck S, Kornienko A. Biological Evaluation of Structurally Diverse Amaryllidaceae Alkaloids and their Synthetic Derivatives: Discovery of Novel Leads for Anticancer Drug Design. *Planta Medica* 2009; 75 (5): 501–507
- 24 Fang Y-S, Shan D-M, Liu J-W, Xu W, Li C-L, Wu H-Z, Ji G. Effect of Constituents from Fructus Aurantii Immaturus and Radix Paeoniae Alba on Gastrointestinal Movement. *Planta Medica* 2009; 75 (1): 24–31
- 792 Feng X, Zhang L, Zhu H. Comparative Anticancer and Antioxidant Activities of Different Ingredients of *Ginkgo biloba* Extract (EGb 761). *Planta Medica* 2009; 75 (8): 792–796
- 37 Ferraz ABF, da Silva J, Deimling LI, Santos-Mello R, Sharlau A, von Poser GL, Picada JN. Genotoxicity Evaluation of Three Benzopyrans from *Hypericum polyanthemum*. *Planta Medica* 2009; 75 (1): 37–40
- 1567 Folwarczna J, Zych M, Burczyk J, Trzeciak H, Trzeciak HI. Effects of Natural Phenolic Acids on the Skeletal System of Ovariectomized Rats. *Planta Medica* 2009; 75 (15): 1567–1572
- 295 Guzmán-Gutiérrez SL, Navarrete A. Pharmacological Exploration of the Sedative Mechanism of Hesperidin Identified as the Active Principle of *Citrus sinensis* Flowers. *Planta Medica* 2009; 75 (4): 295–301
- 1400 He W-J, Fang T-H, Ma X, Zhang K, Ma Z-Z, Tu P-F. Echinacoside Elicits Endothelium-Dependent Relaxation in Rat Aortic Rings via an NO-cGMP Pathway. *Planta Medica* 2009; 75 (13): 1400–1404
- 1494 Hong JJ, Sasaki H, Hirasawa N, Ishihara K, Kwak JH, Zee OP, Schmitz FJ, Seyama T, Ohuchi K. Suppression of the Antigen-Stimulated RBL-2H3 Mast Cell Activation by Artekeiskeanol A. *Planta Medica* 2009; 75 (14): 1494–1498
- 1300 Huang C-H, Ku C-Y, Jan T-R. Diosgenin Attenuates Allergen-Induced Intestinal Inflammation and IgE Production in a Murine Model of Food Allergy. *Planta Medica* 2009; 75 (12): 1300–1305
- 1231 Iten F, Saller R, Abel G, Reichling J. Additive Antimicrobial Effects of the Active Components of the Essential Oil of *Thymus vulgaris* – Chemotype Carvacrol. *Planta Medica* 2009; 75 (11): 1231–1236
- 1319 Jäger C, Hrenn A, Zwingmann J, Suter A, Merfort I. Phytomedicines Prepared from *Arnica* Flowers Inhibit the Transcription Factors AP-1 and NF- κ B and Modulate the Activity of MMP1 and MMP13 in Human and Bovine Chondrocytes. *Planta Medica* 2009; 75 (12): 1319–1325
- 1286 Jiang B, Wu W, Li M, Xu L, Sun K, Yang M, Guan S, Liu X, Guo D. Cardioprotection and Matrix Metalloproteinase-9 Regulation of Salvianolic Acids on Myocardial Infarction in Rats. *Planta Medica* 2009; 75 (12): 1286–1292
- 614 Jiang W-L, Chen X-G, Zhu H-B, Tian J-W. Effect of Cornuside on Experimental Sepsis. *Planta Medica* 2009; 75 (6): 614–619
- 1405 Kedzierska M, Olas B, Wachowicz B, Stochmal A, Oleszek W, Jezorski A, Piekarski J, Glowacki R. An Extract from Berries of *Aronia melanocarpa* Modulates the Generation of Superoxide Anion Radicals in Blood Platelets from Breast Cancer Patients. *Planta Medica* 2009; 75 (13): 1405–1409
- 478 Khadeer Ahamed BM, Krishna V, Malleshappa KH. *In vivo* Wound Healing Activity of the Methanolic Extract and its Isolated Constituent, Gulonic Acid γ -Lactone, Obtained from *Grewia tiliaefolia*. *Planta Medica* 2009; 75 (5): 478–482
- 316 Kim BH, Cho JY. Regulatory Role of Ginsenoside Rp1, a Novel Ginsenoside Derivative, on CD29-Mediated Cell Adhesion. *Planta Medica* 2009; 75 (4): 316–320
- 321 Kim BH, Lee YG, Park TY, Kim HB, Rhee MH, Cho JY. Ginsenoside Rp1, a Ginsenoside Derivative, Blocks Lipopolysaccharide-Induced Interleukin-1 β Production via Suppression of the NF- κ B Pathway. *Planta Medica* 2009; 75 (4): 321–326
- 596 Kim SN, Lee JH, Shin H, Son SH, Kim YS. Effects of *in vitro*-Digested Ginsenosides on Lipid Accumulation in 3T3-L1 Adipocytes. *Planta Medica* 2009; 75 (6): 596–601
- 1326 Koch M, Bugni TS, Pond CD, Sondossi M, Dindi M, Piskaut P, Ireland CM, Barrows LR. Antimycobacterial Activity of *Exocarpos latifolius* is due to Exocarpic Acid. *Planta Medica* 2009; 75 (12): 1326–1330
- 312 Krasovskiy J, Chang DH, Deng G, Yeung S, Lee M, Leung PC, Cunningham-Rundles S, Cassileth B, Dhodapkar MV. Inhibition of Human Dendritic Cell Activation by Hydroethanolic But Not Lipophilic Extracts of Turmeric (*Curcuma longa*). *Planta Medica* 2009; 75 (4): 312–315
- 1499 Kuang R, Sun Y, Yuan W, Lei L, Zheng X. Protective Effects of Echinacoside, One of the Phenylethanoid Glycosides, on H₂O₂-Induced Cytotoxicity in PC12 Cells. *Planta Medica* 2009; 75 (14): 1499–1504
- 797 Lai L, Hao H, Liu Y, Zheng C, Wang Q, Wang G, Chen X. Characterization of Pharmacokinetic Profiles and Metabolic Pathways of 20(S)-Ginsenoside Rh1 *in vivo* and *in vitro*. *Planta Medica* 2009; 75 (8): 797–802

- 1129 Lee LS, Stephenson KK, Fahey JW, Parsons TL, Lietman PS, Andrade AS, Lei X, Yun H, Soon GH, Shen P, Danishefsky S, Flexner C. Induction of Chemoprotective Phase 2 Enzymes by Ginseng and its Components. *Planta Medica* 2009; 75 (10): 1129–1133
- 1314 Lee SB, Kim CY, Lee HJ, Yun JH, Nho CW. Induction of the Phase II Detoxification Enzyme NQO1 in Hepatocarcinoma Cells by Lignans from the Fruit of *Schisandra chinensis* through Nuclear Accumulation of Nrf2. *Planta Medica* 2009; 75 (12): 1314–1318
- 1470 Li G-S, Jiang W-L, Yue X-D, Qu G-W, Tian J-W, Wu J, Fu F. Effect of Astilbin on Experimental Diabetic Nephropathy *in vivo* and *in vitro*. *Planta Medica* 2009; 75 (14): 1470–1475
- 7 Li H, Dai M, Jia W. Paeonol Attenuates High-Fat-Diet-Induced Atherosclerosis in Rabbits by Anti-Inflammatory Activity. *Planta Medica* 2009; 75 (1): 7–11
- 1107 Lin G, Li S-L, Li M, Li N, Sun-Kin Chan S, Chan W-Y, Zhao Z-Z. Qianliguang (*Senecio scandens*) Safety Dilemma: Dose Is the Key? *Planta Medica* 2009; 75 (10): 1107–1111
- 1203 Li Q, Wu J-H, Guo D-J, Cheng H-L, Chen S-L, Chan S-W. Suppression of Diet-Induced Hypercholesterolemia by Scutellarin in Rats. *Planta Medica* 2009; 75 (11): 1203–1208
- 205 Liu C-T, Su H-M, Lii C-K, Sheen L-Y. Effect of Supplementation with Garlic Oil on Activity of Th1 and Th2 Lymphocytes from Rats. *Planta Medica* 2009; 75 (3): 205–210
- 602 Li WZM, Li J, Bi CWC, Cheung AWH, Huang W, Duan R, Choi RCY, Chen ISY, Zhao KJ, Dong TTX, Duan JA, Tsim KWK. Can Rhizoma Chuanxiong Replace Radix Angelica Sinensis in the Traditional Chinese Herbal Decoction Danggui Buxue Tang? *Planta Medica* 2009; 75 (6): 602–606
- 1293 Long G, Wang G, Ye L, Lin B, Wei D, Liu L, Yang L. Important Role of TNF- α in Inhibitory Effects of Radix Sophorae Flavescentis Extract on Vascular Restenosis in a Rat Carotid Model of Balloon Dilatation Injury. *Planta Medica* 2009; 75 (12): 1293–1299
- 1227 Miksits M, Wlcek K, Svoboda M, Kunert O, Haslinger E, Thahammer T, Szekeres T, Jäger W. Antitumor Activity of Resveratrol and its Sulfated Metabolites against Human Breast Cancer Cells. *Planta Medica* 2009; 75 (11): 1227–1230
- 307 Muzitano MF, Falcão CAB, Cruz EA, Bergonzi MC, Bilia AR, Vincieri FF, Rossi-Bergmann B, Costa SS. Oral Metabolism and Efficacy of *Kalanchoe pinnata* Flavonoids in a Murine Model of Cutaneous Leishmaniasis. *Planta Medica* 2009; 75 (4): 307–311
- 785 Naik SR, Hule A. Evaluation of Immunomodulatory Activity of an Extract of Andrographolides from *Andrographis paniculata*. *Planta Medica* 2009; 75 (8): 785–791
- 1118 Nithitanakool S, Pithayanukul P, Bavovada R. Antioxidant and Hepatoprotective Activities of Thai Mango Seed Kernel Extract. *Planta Medica* 2009; 75 (10): 1118–1123
- 32 Noroozi S, Mosaffa F, Soltani F, Iranshahi M, Karimi G, Malekaneh M, Haghghi F, Behravan J. Antigenotoxic Effects of the Disulfide Compound Persicasulfide A (PSA) on Rat Lymphocytes Exposed to Oxidative Stress. *Planta Medica* 2009; 75 (1): 32–36
- 222 Ogita A, Fujita K, Tanaka T. Enhancement of the Fungicidal Activity of Amphotericin B by Allicin: Effects on Intracellular Ergosterol Trafficking. *Planta Medica* 2009; 75 (3): 222–226
- 41 Parajuli P, Joshee N, Rimando AM, Mittal S, Yadav AK. *In vitro* Antitumor Mechanisms of Various *Scutellaria* Extracts and Constituent Flavonoids. *Planta Medica* 2009; 75 (1): 41–48
- 127 Pyo JS, Roh SH, Kim DK, Lee JG, Lee YY, Hong SS, Kwon SW, Park JH. Anti-Cancer Effect of Betulin on a Human Lung Cancer Cell Line: A Pharmacoproteomic Approach Using 2D SDS PAGE Coupled with Nano-HPLC Tandem Mass Spectrometry. *Planta Medica* 2009; 75 (2): 127–131
- 829 Rattanathongkom A, Lee J-B, Hayashi K, Sripanidkulchai B, Kanchanapoom T, Hayashi T. Evaluation of Chikusetsusaponin IVa Isolated from *Alternanthera philoxeroides* for Its Potency Against Viral Replication. *Planta Medica* 2009; 75 (8): 829–835
- 195 Rollinger JM, Schuster D, Danzl B, Schwaiger S, Markt P, Schmidtke M, Gertsch J, Raduner S, Wolber G, Langer T, Stuppner H. *In silico* Target Fishing for Rationalized Ligand Discovery Exemplified on Constituents of *Ruta graveolens*. *Planta Medica* 2009; 75 (3): 195–204
- 488 Roseghini R, Falcão GM, Oliveira Costa JF, Clarêncio J, Nascimento I, Vellozo E, Schaer R, Vale V, Costa SL, de Fátima Dias Costa M, Tardy M, Meyer R, Menezes Freire S. The Flavonoid Rutin but not the Alkaloid Arborinine Induces Apoptosis in a B-Cell Hybridoma Cell Line. *Planta Medica* 2009; 75 (5): 488–493
- 1381 Schmitt S, Schaefer UF, Doebler L, Reichling J. Cooperative Interaction of Monoterpenes and Phenylpropanoids on the *in vitro* Human Skin Permeation of Complex Composed Essential Oils. *Planta Medica* 2009; 75 (13): 1381–1385
- 1279 Seidlova-Wuttke D, Jarry H, Wuttke W. Effects of Estradiol Benzoate, Raloxifen and an Ethanolic Extract of *Cimicifuga racemosa* in Nonclassical Estrogen Regulated Organs of Ovariectomized Rats. *Planta Medica* 2009; 75 (12): 1279–1285
- 494 Senthil Kumar KJ, Wang S-Y. Lucidone Inhibits iNOS and COX-2 Expression in LPS-Induced RAW 264.7 Murine Macrophage Cells via NF- κ B and MAPKs Signaling Pathways. *Planta Medica* 2009; 75 (5): 494–500
- 113 Sheng R, Gu Z, Xie M, Zhou W, Guo C. EGCG Inhibits Proliferation of Cardiac Fibroblasts in Rats with Cardiac Hypertrophy. *Planta Medica* 2009; 75 (2): 113–120
- 1386 Shia C-S, Juang S-H, Tsai S-Y, Chang P-H, Kuo S-C, Hou Y-C, Chao P-DL. Metabolism and Pharmacokinetics of Anthraquinones in *Rheum palmatum* in Rats and *ex vivo* Antioxidant Activity. *Planta Medica* 2009; 75 (13): 1386–1392
- 137 Shields M, Niazi U, Badal S, Yee T, Sutcliffe MJ, Delgoda R. Inhibition of CYP1A1 by Quassinoids Found in *Picrasma excelsa*. *Planta Medica* 2009; 75 (2): 137–141
- 1476 Shi R-Z, Li X-H, Jia S-J, Fu Q-M, Chen Y-R, Chen J, Chen A, Li S-X, Tan G-S, Li Y-J, Zhang G-G. Demethylbellidifolin Prevents Nitroglycerin Tolerance via Improved Aldehyde Dehydrogenase 2 Activity. *Planta Medica* 2009; 75 (14): 1476–1481
- 624 Tobinaga S, Sharma MK, Aalbersberg WGL, Watanabe K, Iguichi K, Narui K, Sasatsu M, Waki S. Isolation and Identification of a Potent Antimalarial and Antibacterial Polyacetylene from *Bidens pilosa*. *Planta Medica* 2009; 75 (6): 624–628
- 814 Tong J, Lu J, Zhang N, Chi H, Yamashita K, Manabe M, Kodama H. Effect of Seven Tricyclic Diterpenoids from Needles of *Taxus media* var. *Hicksii* on Stimulus-Induced Superoxide Generation, Tyrosyl or Serine/Threonine Phosphorylation and Translocation of Cytosolic Compounds to the Cell

- Membrane in Human Neutrophils. *Planta Medica* 2009; 75 (8): 814–822
- 823 Torres-Bustos J, Farías L, Urzúa A, Mendoza L, Wilkens M. The Diterpenoid *ent*-16-Kauren-19-oic Acid Acts as an Uncoupler of the Bacterial Respiratory Chain. *Planta Medica* 2009; 75 (8): 823–828
- 49 Tsolmon S, Kurita Y, Yamada P, Shigemori H, Isoda H. Indoleacetic Acid Falcarindiol Ester Induces Granulocytic Differentiation of the Human Leukemia Cell Line HL-60. *Planta Medica* 2009; 75 (1): 49–54
- 1393 Tsukiyama M, Ueki T, Yasuda Y, Kikuchi H, Akaishi T, Okumura H, Abe K. β_2 -Adrenoceptor-Mediated Tracheal Relaxation Induced by Higenamine from *Nandina domestica* Thunberg. *Planta Medica* 2009; 75 (13): 1393–1399
- 12 Vaijanathappa J, Badami S. Antiedematogenic and Free Radical Scavenging Activity of Swertiamarin Isolated from *Enicostemma axillare*. *Planta Medica* 2009; 75 (1): 12–17
- 1509 Varamini P, Javidnia K, Soltani M, Mehdipour AR, Ghaderi A. Cytotoxic Activity and Cell Cycle Analysis of Quinoline Alkaloids Isolated from *Haplophyllum canaliculatum* Boiss. *Planta Medica* 2009; 75 (14): 1509–1516
- 581 Waknine-Grinberg JH, El-On J, Barak V, Barenholz Y, Golenser J. The Immunomodulatory Effect of Sambucol on Leishmanial and Malarial Infections. *Planta Medica* 2009; 75 (6): 581–586
- 1237 Wang S-H, Chen C-S, Huang S-H, Yu S-H, Lai Z-Y, Huang S-T, Lin C-M. Hydrophilic Ester-Bearing Chlorogenic Acid Binds to a Novel Domain to Inhibit Xanthine Oxidase. *Planta Medica* 2009; 75 (11): 1237–1240
- 1215 Wang X, Xu L, Peng J, Liu K, Zhang L, Zhang Y. *In vivo* Inhibition of S180 Tumors by the Synergistic Effect of the Chinese Medicinal Herbs *Coptis chinensis* and *Evodia rutaecarpa*. *Planta Medica* 2009; 75 (11): 1215–1220
- 1306 Woelkart K, Frye RF, Derendorf H, Bauer R, Butterweck V. Pharmacokinetics and Tissue Distribution of Dodeca-2E,4E,8E,10E/Z-tetraenoic Acid Isobutylamides after Oral Administration in Rats. *Planta Medica* 2009; 75 (12): 1306–1313
- 483 Xu T-T, Yang X-W, Wang B, Xu W, Zhao Y-Y, Zhang Q-Y. Metabolism of Hibifolin by Human Intestinal Bacteria. *Planta Medica* 2009; 75 (5): 483–487
- 1191 Yin D, Yao W, Chen S, Hu R, Gao X. Salidroside, the Main Active Compound of *Rhodiola* Plants, Inhibits High Glucose-Induced Mesangial Cell Proliferation. *Planta Medica* 2009; 75 (11): 1191–1195
- 1112 Yong W, Xing T-R, Wang S, Chen L, Hu P, Li C-C, Wang H, Wang M, Chen J-T, Ruan D-Y. Protective Effects of Gastrodin on Lead-Induced Synaptic Plasticity Deficits in Rat Hippocampus. *Planta Medica* 2009; 75 (10): 1112–1117
- 132 Yuliana ND, Khatib A, Link-Struensee AMR, Ijzerman AP, Rungkat-Zakaria F, Choi YH, Verpoorte R. Adenosine A₁ Receptor Binding Activity of Methoxy Flavonoids from *Orthosiphon stamineus*. *Planta Medica* 2009; 75 (2): 132–136
- 1505 Yun C-Y, Kim D, Lee W-H, Park YM, Lee SH, Na M, Jahng Y, Hwang BY, Lee MK, Han S-B, Kim Y. Torilin from *Torilis japonica* Inhibits Melanin Production in α -Melanocyte Stimulating Hormone-Activated B16 Melanoma Cells. *Planta Medica* 2009; 75 (14): 1505–1508
- 121 Zhang H-F, Hu X-M, Wang L-X, Xu S-Q, Zeng F-D. Protective Effects of Scutellarin Against Cerebral Ischemia in Rats: Evidence for Inhibition of the Apoptosis-Inducing Factor Pathway. *Planta Medica* 2009; 75 (2): 121–126
- 1209 Zhang W, Xu X-L, Wang Y-Q, Wang C-H, Zhu W-Z. Effects of 2,3,4',5-Tetrahydroxystilbene 2-O- β -D-Glucoside on Vascular Endothelial Dysfunction in Atherogenic-Diet Rats. *Planta Medica* 2009; 75 (11): 1209–1214
- 1463 Zhao J, Liu T, Ma L, Yan M, Zhao Y, Gu Z, Huang Y. Protective Effect of Acteoside on Immunological Liver Injury Induced by *Bacillus Calmette-Guerin* plus Lipopolysaccharide. *Planta Medica* 2009; 75 (14): 1463–1469
- 1124 Zhao Y, Bu L, Yan H, Jia W. 20S-Protopanaxadiol Inhibits P-Glycoprotein in Multidrug Resistant Cancer Cells. *Planta Medica* 2009; 75 (10): 1124–1128
- 1410 Zheng J, Tang L, Xian X-D, Zhou S-X, Shi H-M, Jiang Y, Gu Y-Q, Liu G, Tu P-F. Inhibitory Effect of Triterpenoid Saponins from the Leaves of *Ilex kudingcha* on Aggregated LDL-Induced Lipid Deposition in Macrophages. *Planta Medica* 2009; 75 (13): 1410–1414
- 1580 Zhou X, Fu F, Li Z, Dong Q, He J, Wang C. Escin, a Natural Mixture of Triterpene Saponins, Exhibits Antitumor Activity Against Hepatocellular Carcinoma. *Planta Medica* 2009; 75 (15): 1580–1585
- 575 Zhou X, Ho Henry Leung P, Li N, Ye Y, Zhang L, Zuo Z, Lin G. Oral Absorption and Antitussive Activity of Tuberostemonine Alkaloids from the Roots of *Stemona tuberosa*. *Planta Medica* 2009; 75 (6): 575–580
- 568 Zhou Y, Peng L, Zhang W-D, Kong D-Y. Effect of Triterpenoid Saponins from *Bacopa monniera* on Scopolamine-Induced Memory Impairment in Mice. *Planta Medica* 2009; 75 (6): 568–574
- 1489 Zhu JTT, Choi RCY, Li J, Xie HQH, Bi CWC, Cheung AWH, Dong TTX, Jiang ZY, Chen JJ, Tsim KWK. Estrogenic and Neuroprotective Properties of Scutellarin from *Erigeron breviscapus*: A Drug against Postmenopausal Symptoms and Alzheimer's Disease. *Planta Medica* 2009; 75 (14): 1489–1493
- 1221 Zucolotto SM, Goulart S, Montanher AB, Reginatto FH, Schenkel EP, Fröde TS. Bioassay-Guided Isolation of Anti-Inflammatory C-Glucosylflavones from *Passiflora edulis*. *Planta Medica* 2009; 75 (11): 1221–1226
- 1134 Zu Y, Liu X, Fu Y, Shi X, Wu N, Yao L, Efferth T. Cytotoxic Activity of Isoliquiritigenin towards CCRF-CEM Leukemia Cells and its Effect on DNA Damage. *Planta Medica* 2009; 75 (10): 1134–1140

Rapid Communications



- 1104 Kesting JR, Staerk D, Tejesvi MV, Kini KR, Prakash HS, Jaroszewski JW. HPLC-SPE-NMR Identification of a Novel Metabolite Containing the Benzo[c]oxepin Skeleton from the Endophytic Fungus *Pestalotiopsis virgatula* Culture. *Planta Medica* 2009; 75 (10): 1104–1106
- 459 Kolios L, Sehmisch S, Daub F, Rack T, Tezval M, Stuermer KM, Stuermer EK. Equol but not Genistein Improves Early Metaphyseal Fracture Healing in Osteoporotic Rats. *Planta Medica* 2009; 75 (5): 459–465
- 563 Salamon N, Gurgui C, Leistner E, Drewke C. Influence of Antivitamins Ginkgotoxin 5'-Phosphate and Deoxyipyridoxine 5'-Phosphate on Human Pyridoxine 5'-Phosphate Oxidase. *Planta Medica* 2009; 75 (6): 563–567
- 1561 Staniek A, Woerdenbag HJ, Kayser O. *Taxomyces andreanae*: A Presumed Paclitaxel Producer Demystified? *Planta Medica* 2009; 75 (15): 1561–1566

Reviews



- 1095 *Butterweck V, Khan SR*. Herbal Medicines in the Management of Urolithiasis: Alternative or Complementary? *Planta Medica* 2009; 75 (10): 1095–1103
- 1371 *Hovhannisyan A, Matz M, Gebhardt R*. From Teratogens to Potential Therapeutics: Natural Inhibitors of the Hedgehog Signaling Network Come of Age. *Planta Medica* 2009; 75 (13): 1371–1380
- 1549 *Laszczyk MN*. Pentacyclic Triterpenes of the Lupane, Oleanane and Ursane Group as Tools in Cancer Therapy. *Planta Medica* 2009; 75 (15): 1549–1560
- 672 *Marston A, Hostettmann K*. Natural Product Analysis over the Last Decades. *Planta Medica* 2009; 75 (7): 672–682
- 689 *Schwarz M, Klier B, Sievers H*. Herbal Reference Standards. *Planta Medica* 2009; 75 (7): 689–703
- 763 *van der Kooy F, Maltese F, Hae Choi Y, Kyong Kim H, Verpoorte R*. Quality Control of Herbal Material and Phytopharmaceuticals with MS and NMR Based Metabolic Fingerprinting. *Planta Medica* 2009; 75 (7): 763–775
- 683 *Vlietinck A, Pieters L, Apers S*. Legal Requirements for the Quality of Herbal Substances and Herbal Preparations for the Manufacturing of Herbal Medicinal Products in the European Union. *Planta Medica* 2009; 75 (7): 683–688
- 719 *Wolfender J-L*. HPLC in Natural Product Analysis: The Detection Issue. *Planta Medica* 2009; 75 (7): 719–734

Mini-Reviews

- 746 *Cozzolino D*. Near Infrared Spectroscopy in Natural Products Analysis. *Planta Medica* 2009; 75 (7): 746–756
- 776 *Ganzer M*. Recent Advancements and Applications in the Analysis of Traditional Chinese Medicines. *Planta Medica* 2009; 75 (7): 776–783
- 704 *Luthria DL, Natarajan SS*. Influence of Sample Preparation on the Assay of Isoflavones. *Planta Medica* 2009; 75 (7): 704–710
- 711 *Reich E, Widmer V*. Plant Analysis 2008 – Planar Chromatography. *Planta Medica* 2009; 75 (7): 711–718
- 735 *Unger M*. Capillary Electrophoresis of Natural Products: Current Applications and Recent Advances. *Planta Medica* 2009; 75 (7): 735–745