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I N D E X

No. 1	pp.	1— 166
No. 2	pp.	167— 314
No. 3	pp.	315— 446
No. 4	pp.	447— 592
No. 5	pp.	593— 756
No. 6	pp.	757— 896
No. 7	pp.	897—1104
No. 8	pp.	1105—1248
No. 9	pp.	1249—1398
No. 10	pp.	1399—1596
No. 11	pp.	1597—1846
No. 12	pp.	1847—2020

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Tables of Contents

Number 1	
Regular Articles	
Dual CCK-A and CCK-B Receptor Antagonists (II). Preparation and Structure Activity Relationships of 5-Alkyl-9-methyl-1,4-benzodiazepines and Discovery of FR208419 S. Tabuchi, H. Ito, H. Sogabe, M. Kuno, T. Kinoshita, I. Katumi, N. Yamamoto, H. Mitsui, and Y. Satoh	1
Difference Spatial Distribution Function Analysis of Aqueous Solutions. II. Hydration Structures of Dimethyl Ether, 180° Ethyl Methyl Ether and 0° Ethyl Methyl Ether Solutions T. Hata and Y. Ono	16
Nonpeptide Arginine Vasopressin Antagonists for Both V _{1A} and V ₂ Receptors: Synthesis and Pharmacological Properties of 4'-(1,4,5,6-Tetrahydroimidazo[4,5-d][1]benzoozepine-6-carbonyl)benzanilide Derivatives and 4'-(5,6-Dihydro-4H-thiazolo[5,4-d][1]benzoozepine-6-carbonyl)benzanilide Derivatives A. Matsuhisa, N. Taniguchi, H. Koshio, T. Yatsu, and A. Tanaka	21
Lipid A and Related Compounds. XXXVII. Determination of Favorable Binding Linkages of Lipid A Analog to Antigen Moiety for Synthetic Vaccines K. Ikeda, K. Miyajima, T. Shimizu, and K. Achiwa	32
Mono and Trinuclear Complexes of α -Oximinoacetoacetylpyridine-4-phenylthiosemicarbazone A. A. El-Asmy, M. E. Khalifa, T. H. Rakha, M. M. Hassanian, and A. M. Abdallah	41
2-Hydroxy-5-(ethanolamino)-3-(10'-Z-pentadecenyl)-1,4-benzoquinone, New Microbial Phase II Metabolite of Maesaniin E. A. Abourashed, F. S. El-Ferally, I. A. Khan, and C. D. Hufford	45
Interactions of Cyclodextrins with Dipalmitoyl, Distearoyl, and Dimyristoyl Phosphatidyl Choline Liposomes. A Study by Leakage of Carboxyfluorescein in Inner Aqueous Phase of Unilamellar Liposomes J. Nishijo, S. Shiota, K. Mazima, Y. Inoue, H. Mizuno, and J. Yoshida	48
Structure and Stereochemistry of the Higher Bile Acid Isolated from Turtle Bile: (22S,25R)-3 α ,12 α ,15 α ,22-Tetrahydroxy-5 β -cholestan-26-oic Acid T. Kuramoto, Y. Kameyama, M. Kaneda, M. Shiro, T. Hoshita, and M. Une	53
The Inclusion Compounds of β -Cyclodextrin with 4-Substituted Benzoic Acid and Benzaldehyde Drugs Studied by Proton Nuclear Magnetic Resonance Spectroscopy C.-S. Lu, C.-J. Hu, Y. Yu, and Q.-J. Meng	56
Structure-Activity Relationships of a New Antifungal Imidazole, AFK-108, and Related Compounds K. Hori, A. Sakaguchi, M. Kudoh, K. Ishida, Y. Aoyama, and Y. Yoshida	60
Chemical Constituents of <i>Glycosmis citrifolia</i> (WILLD.) LINDL. Structures of Four New Acridones and Three New Quinolone Alkaloids C. Ito, Y. Kondo, T.-S. Wu, and H. Furukawa	65
Copper(II)-Catalyzed Oxidation of <i>d</i> - α -Tocopherol by Oxygen in Aqueous Solution Y. Nagata, C. Miyamoto, Y. Matsushima, and S. Matsumoto	71
Three New Sesquiterpenoid Glucosides of <i>Ficus pumila</i> Fruit J. Kitajima, K. Kimizuka, and Y. Tanaka	77
A New Concise Synthesis of Arcyriacyanin A and Its Unique Inhibitory Activity against a Panel of Human Cancer Cell Line M. Murase, K. Watanabe, T. Yoshida, and S. Tobinaga	81
Acridone Alkaloids from the Root Bark of <i>Severinia buxifolia</i> in Hainan T.-S. Wu and C.-M. Chen	85
A Chiral Synthesis of Four Stereoisomers of 1,3-Dimethyl-1,2,3,4-tetrahydroisoquinoline, an Inducer of Parkinson-like Syndrome J. Toda, S. Matsumoto, T. Saitoh, and T. Sano	91
Steroidal Glycosides from the Aerial Part of <i>Asclepias incarnata</i> L. II. T. Warashina and T. Noro	99
Total Syntheses of Novel Cytocidal β -Carboline Alkaloids, Oxopropalines D and G T. Choshi, T. Kuwada, M. Fukui, Y. Matsuya, E. Sugino, and S. Hibino	108
The Dakin-West Reaction of <i>N</i> -Alkoxy-carbonyl- <i>N</i> -alkyl- α -amino Acids Employing Trifluoroacetic Anhydride M. Kawase, M. Hirabayashi, H. Kumakura, S. Saito, and K. Yamamoto	114
Iron(III)Picolinate-Induced Oxygenation and Subsequent Rearrangement of Triterpenoid Derivatives with Hydrogen Peroxide I. Okamoto, T. Takeya, Y. Kagawa, and E. Kotani	120
A Short-Step Synthesis of Orally Active Carbapenem Antibiotic CS-834 M. Mori and S. Oida	126
Synthesis and Antiinflammatory Activity of 7-Methanesulfonylamino-6-phenoxychromones. Antiarthritic Effect of the 3-Formylamino Compound (T-614) in Chronic Inflammatory Disease Models T. Inaba, K. Tanaka, R. Takeno, H. Nagaki, C. Yoshida, and S. Takano	131
Notes	
Studies on the Number of Contacts between Ibuprofen and Ethenzamide Using Thermal Analysis S. Aoki, T. Mizutani, and K. Danjo	140
Isolation of Iso-grayanotoxin II from Leaves of <i>Leucothoe grayana</i> MAX. Its X-Ray Crystallographic Analysis and Acute Toxicity in Mice T. Terai, D. Arah, K. Osakabe, M. Katai, I. Narama, T. Matsuura, J. Katakawa, T. Tetsumi, and M. Sato	142
Direct Lithiation and Alkylation of Trifluoromethyl Enol Ethers Having a β -Sulfur Substituent M. Yoshimatsu and S. Kinoshita	145
A New Diterpene Glycoside from <i>Rabdosia Rubescens</i> H.-M. Liu, X. Yan, F. Kiuchi, and Z. Liu	148
Design, Synthesis and Biological Activity of 7- <i>O</i> -(4- <i>O</i> -Acetyl-3-iodo-2,3,6-trideoxy- α -L- <i>arabino</i> -hexopyranosyl)daunomycinone and 7- <i>O</i> -(3-Chloro-2,3,6-trideoxy-4- <i>O</i> -propanoyl- α -L- <i>lyxo</i> -hexopyranosyl)-daunomycinone N. Aligiannis, N. Pouli, P. Marakos, S. Mitaku, A.-L. Skaltsounis, S. Leonce, A. Pierre, and G. Atassi	150
Marstomentosides O-T, Polyoxypregnane Glycosides from <i>Marsdenia tomentosa</i> F. Abe, T. Yamauchi, K. Honda, and N. Hayashi	154
Constituents of Holothuroidea.9. Isolation and Structure of a New Ganglioside Molecular Species from the Sea Cucumber <i>Holothuria pervicax</i> K. Yamada, Y. Harada, T. Miyamoto, R. Isobe, and R. Higuchi	157
Reaction of 3-Acetyl-5-cyano-1,2,4-thiadiazole with Phenylhydrazine Hydrochlorides: Indolization and Phenylpyrazolation T. Iwakawa, H. Nakai, G. Sugimori, and A. Murabayashi	160
A Facile Synthesis of 2-Deoxy-2,3-didehydroneuraminic Acid Derivatives K. Ikeda, K. Konishi, K. Sano, and K. Tanaka	163
Number 2	
Regular Articles	
A Study of Drug-Carrier Interactions in Dry Powder Inhaler Formulations Using the Andersen Cascade Impactor, X-Ray Microanalysis and Time of Flight Aerosol Beam Spectrometry (TOFABS) T. Srichana, A. Brain, C. Marriotti, and G. P. Martin	167
Multiple Solubility Maxima of Oxolinic Acid in Mixed Solvents and a New Extension of Hildebrand Solubility Approach A. Jouyban-Gharamaleki, S. Romero, P. Bustamante, B. J. Clark	175
Partial Solubility Parameters of Lactose, Mannitol and Saccharose Using the Modified Extended Hansen Method and Evaporation Light Scattering Detection	

M. A. Peña, Y. Daali, J. Barra, and P. Bustamante	179	Effect of Polymer Excipients on the Enzyme Activity of Lyophilized Bilirubin Oxidase and β -Galactosidase Formulations	
Development of Plasmin-Selective Inhibitors and Studies of Their Structure-Activity Relationship		S. Yoshioka, Y. Aso, S. Kojima, and T. Tanimoto	283
Y. Okada, Y. Matsumoto, Y. Tsuda, M. Tada, K. Wanaka, A. Hijikata-Okunomiya, and S. Okamoto	184	A New Oleanene Glucuronide Obtained from the Aerial Parts of <i>Melilotus officinalis</i>	
Inhibition of Human Immunodeficiency Virus Type 1 Reverse Transcriptase and Ribonuclease H Activities by Constituents of <i>Juglans mandshurica</i>		T. Hirakawa, M. Okawa, J. Kinjo, and T. Nohara	286
B.-S. Min, N. Nakamura, H. Miyashiro, Y.-H. Kim, and M. Hattori	194	An Efficient One-Pot Method for the Large-Quantitative Production of Radiopharmaceutical Ligand: Diazadioximes	
New Monoterpene Glycoside Esters and Phenolic Constituents of <i>Paeoniae Radix</i> , and Increase of Water Solubility of Proanthocyanidins in the Presence of Paeoniflorin		H.-J. Ding, Y.-F. Huang, C.-C. Tzeng, S.-J. Yeh, and L.-L. Wei	288
T. Tanaka, M. Kataoka, N. Tsuboi, and I. Kouno	201	Cardiac Glycosides from <i>Erysimum cheiranthoides</i>	
Determination of Hydration Kinetics of Sulfaguanidine Anhydrate in Aqueous Solution by Calorimetry		Z.-H. Lei, S. Yahara, T. Nohara, B.-S. Tai, J.-Z. Xiong, and Y.-L. Ma	290
Y. Yoshihashi, E. Yonemochi, M. Makita, S. Yamamura, E. Fukuoka, and K. Terada	208	Design, Synthesis, Conformational Analysis and Biological Activities of Purine-Based 1,2-Di-substituted Carbocyclic Nucleosides	
Reactions of <i>N</i> -Hydroxysuccinimide Esters of Anthranilic Acids with Anions of β -Keto Esters. A New Route to 4-Oxo-3-quinolinecarboxylic Acid Derivatives		C. Teran, L. Santana, M. Teijeira, E. Uriarte, and E. De Clercq	293
C. Mitsos, A. Zografos, and O. Igglessi-Markopoulou	211	Synthesis of Peptides with α,β -Dehydroamino Acids. XIII Photoisomerization of Ac-(<i>Z</i>)- Δ Phe-NHMe: Ac-(<i>E</i>)- Δ Phe-NHMe	
Synthesis and Pharmacokinetics of 1 α -Hydroxyvitamin D ₃ Tritiated at 22 and 23 Positions Showing High Specific Radioactivity		Z. Kubica, T. Koźlecki, and B. Rzeszotarska	296
A. Kawase, F. Ichikawa, N. Koike, S. Kamachi, W. E. Stumpf, Y. Nishii, and N. Kubodera	215	Surface Active Properties of Simple Cyclic and Heterocyclic Amines in Water	
Fluorinative Beckmann Fragmentation: Fluorinative α -Cleavage of Cyclic Ketoximes by Diethylaminosulfur Trifluoride		Y. Fujino and S. Yokoyama	298
M. Kirihara, K. Niimi, M. Okumura, and T. Momose	220	Two New Meliacarpinins from the Roots of <i>Melia azedarach</i>	
Mechanism of Superoxide Dismutase-like Activity of Fe(II) and Fe(III) Complexes of Tetrakis- <i>N,N,N',N'</i> -(2-pyridylmethyl)ethylenediamine		Y. Fukuyama, M. Ogawa, H. Takahashi, and H. Minami	301
T. Hirano, M. Hirobe, K. Kobayashi, A. Odani, O. Yamauchi, M. Ohsawa, Y. Satow, and T. Nagano	223	Communications to the Editor	
Molecular State of Chlorpheniramine in Resinates		Facile Synthesis of Optically Active γ -Lactones via Lipase-catalyzed Reaction of 4-Substituted 4-Hydroxybutyramides	
P. Akkaramongkolporn, E. Yonemochi, and K. Terada	231	Y. Matsumura, T. Endo, M. Chiba, H. Fukawa, and Y. Terao	304
Mechanism of Antioxidative Activity of Fluvastatin-Determination of the Active Position		One-pot Enantioselective Synthesis of Optically Active Homoallylic Alcohols from Allyl Halides	
T. Nakamura, H. Nishi, Y. Kokusenya, K. Hirota, and Y. Miura	235	M. Nakajima, M. Saito, and S. Hashimoto	306
A Facilitated Cyclic Ether Formation and Its Potential Application in Solid-Phase Peptide and Organic Synthesis		Synthesis of Peptides Mimicking Chemokine Receptor CCR5 and Their Inhibitory Effects against HIV-1 Infection	
D. Shan, A. Zheng, C. E. Ballard, W. Wang, R. T. Borchardt, and B. Wang	238	K. Konishi, K. Ikeda, K. Achiwa, H. Hoshino, and K. Tanaka	308
[2-(<i>o</i> -Phenylalkyl)phenoxy]alkylamines II: Synthesis and Selective Serotonin-2 Receptor Binding		Synthesis of J-111,347, a Novel 1 β -Methylcarbapenem with Broad-spectrum Antibacterial Activity	
N. Tanaka, R. Goto, R. Ito, M. Hayakawa, A. Sugidachi, T. Ogawa, F. Asai, and K. Fujimoto	245	H. Imamura, N. Ohtake, S. Sakuraba, A. Shimizu, K. Yamada, and H. Morishima	310
Structural Features for Fluorescing Present in Methoxycoumarin Derivatives		New Estrogenic Antagonists Bearing Dicarba- <i>closo</i> -dodecaborane as a Hydrophobic Pharmacophore	
A. Takadate, T. Masuda, C. Murata, M. Shibuya, and A. Isobe	256	Y. Endo, T. Yoshimi, and Y. Yamakoshi	312
Scavengers for Peroxynitrite: Inhibition of Tyrosine Nitration and Oxidation with Tryptamine Derivatives, α -Lipoic Acid and Synthetic Compounds		Number 3	
H. Nakagawa, E. Sumiki, M. Takusagawa, N. Ikota, Y. Matsushima, and T. Ozawa	261	Review	
Synthesis and Structure Studies of Complexes of Some Second Row Transition Metals with 1-(Phenylacetyl and Phenoxyacetyl)-4-phenyl-3-thiosemicarbazide		Chiral Monophosphines as Ligands for Asymmetric Organometallic Catalysis	
S. I. Mostafa and M. M. Bekheit	266	F. Lagasse and H. B. Kagan	315
Enantioselective Synthesis of (2 <i>R</i> ,4' <i>R</i> ,8' <i>R</i>)- α -Tocopherol (Vitamin E) Based on Enzymatic Function		Regular Articles	
M. Nozawa, K. Takahashi, K. Kato, and H. Akita	272	High Entrapment of Insulin and Bovine Serum Albumin into Neutral and Positively-Charged Liposomes by the Remote Loading Method	
Synthesis and Pharmacological Activity of <i>O</i> -(5-Isoxazolyl)-L-serine		S. H. Hwang, Y. Maitani, K. Takayama, and T. Nagai	325
F. Ikegami, A. Yamamoto, T. Sekine, T. Ishikawa, K. Kusamae-Eguchi, T. Kusama, and K. Watanabe	278	Characterization of the Activity of L-Ascorbic Acid 2-[3,4-Dihydro-2,5,7,8-tetramethyl-2-(4,8,12-trimethyltridecyl)-2 <i>H</i> -1-benzopyran-6-yl-hydrogen Phosphate] Potassium Salt in Hydroxyl Radical Elimination	
Notes		T. Tomita, M. Kashima, and Y. Tsujimoto	330
Acetylated and Non-acetylated Flavonol Triglycosides from <i>Galega officinalis</i>		Chemical Constituents of <i>Micromelum minutum</i> . Isolation and Structural Elucidation of New Coumarins	
Y. Champavier, D. P. Allais, A. J. Chulia, and M. Kaouadji	281	C. Ito, T. Otsuka, N. Ruangrunsi, and H. Furukawa	334
		Chemical Constituents of <i>Avicennia alba</i> . Isolation and Structural Elucidation of New Naphthoquinones and Their Analogues	
		C. Ito, S. Katsumo, Y. Kondo, H. T.-W. Tan, and H. Furukawa	339
		Mechanism of C-2 Hydroxylation during the Biosynthesis of 20-Hydroxyecdysone in <i>Ajuga Hairy Roots</i>	
		K. Nomura and Y. Fujimoto	344
		Structure-Specificity Relationship of Cardiac Glycosides as a Substrate for Glucosyltransferase II	
		Y. Terada, R. Misoi, N. Watanabe, M. Hornberger, and W. Kreis	349
		Sesquiterpenoid Derivatives from <i>Ferula feruloides</i> . IV	

K. Kojima, K. Isaka, P. Ondognii, O. Zevgeegin, P. Gombosurengyin, K. Davgiin, H. Mizukami, and Y. Ogihara	353	Hydroxysuccinimide-CuCl ₂ : A Facile and Reliable System for Racemization-free Coupling of Peptides Having a Carboxy-terminal <i>N</i> -Methylamino Acid	442
The Constituents of the Root and Stem of <i>Aristolochia heterophylla</i> Hemsl		Y. Nishiyama, S. Ishizuka, T. Mori, and K. Kurita	
T.-S. Wu, Y.-Y. Chan, and Y.-L. Leu	357	Communications to the Editor	
Steroidal Oligoglycosides from the Seeds of <i>Allium tuberosum</i>		Novel Catalytic Asymmetric Sulfoxidation in Water Using the Hypervalent Iodine Reagent Iodoxybenzene	
T. Ikeda, H. Tsumagari, and T. Nohara	362	H. Tohma, S. Takizawa, H. Morioka, T. Maegawa, and Y. Kita	445
Preparation and Characterization of Two Crystalline Forms of 4-Amino-5-chloro-2-methoxy- <i>N</i> -[(2 <i>S</i> ,4 <i>S</i>)-1-ethyl-2-hydroxymethyl-4-pyrrolidinyl]benzamide (TKS159)		Number 4	
T. Yanagi, J. Mizoguchi, T. Adachi, S. Sato, K. Kodama, K. Anzai, Y. Takagishi, C. Kamei, M. Fujiwara, T. Matsushita, Y. Yamashoji, and Y. Inoue	366	Regular Articles	
Quaternary Isoquinoline Alkaloids from <i>Stephania cepharantha</i>		Catalytic Mechanism of Class A β -Lactamase. I. The Role of Glu166 and Ser130 in the Deacylation Reaction	
T. Tanahashi, Y. Su, N. Nagakura, and H. Nayeshiro	370	M. Hata, Y. Fujii, M. Ishii, T. Hoshino, and M. Tsuda	447
Structural Studies of <i>C</i> -Amidated Amino Acids and Peptides: Crystal Structures of <i>Z</i> -Gly-Phe-NH ₂ , Tyr-Lys-NH ₂ , and Asp-Phe-NH ₂		Enzymatic Reactivity and Anti-tumor Activity of 1-(β -D-Arabinofuranosyl)-2-thiocytosine Derivatives	
Y. In, S. Tani, and T. Ishida	374	T. Kawaguchi, T. Ichikawa, T. Hasegawa, M. Saneyoshi, T. Wakayama, H. Kato, A. Yukita, and T. Nagata	454
A Novel Class of Inhibitors for Human Steroid 5 α -Reductase: Synthesis and Biological Evaluation of Indole Derivatives. II		A Comparison of Cellactose with Two <i>ad hoc</i> Processed Lactose-Celulose Blends as Direct Compression Excipients	
S. Igarashi, H. Inami, H. Hara, M. Fujii, H. Koutoku, H. Oritani, and T. Mase	382	M. Casalderrey, C. Souto, A. Concheiro, J. L. Gómez-Amoza, and R. Martínez-Pacheco	458
Stereochemistry of <i>cis</i> - and <i>trans</i> -Hinokiresinol and Their Estrogen-like Activity		Studies on Thermal Aggregation of Bovine Serum Albumin as a Drug Carrier	
E. Minami, M. Taki, S. Takaishi, Y. Iijima, S. Tsutsumi, and T. Akiyama	389	C. Honda, H. Kamizono, T. Samejima, and K. Endo	464
Quantification of the Surface Morphologies of Lactose Carriers and Their Effect on the <i>in Vitro</i> Deposition of Salbutamol Sulphate		Quantitative Analysis of the Kinetic Constant of the Reaction of <i>N,N'</i> -Propylenedinitotinamide with the Hydroxyl Radical Using Dimethyl Sulfoxide and Deduction of Its Structure in Chloroform	
P. W. S. Heng, L. W. Chan, and L. T. Lim	393	T. Akimoto	467
Convenient Synthesis of 2,3,9,10-Tetraoxygenated Protoberberine Alkaloids and Their 13-Methyl Alkaloids		Effect of the Linking Position of a Side Chain in Bis(quinolylmethyl)ethylenediamine as a DNA Binding Agent	
M. Hanaoka, T. Hirasawa, W. J. Cho, and S. Yasuda	399	Y. Mikata, Y. Onchi, M. Kishigami, and S. Yano	477
Studies on Lewis Acid-Mediated Intramolecular Cyclization Reactions of Allene-Ene Systems		Molecular Dynamics Simulations of Bovine Cathepsin B and Its Complex with CA074	
K. Hiroi, T. Watanabe, and A. Tsukui	405	A. Yamamoto, K. Tomoo, H. Miyagawa, Y. Takaoka, S. Sumiya, K. Kitamura, and T. Ishida	480
Convenient Synthesis of 5-Trifluoroacetylated Imidazoles by Ring Transformation of Mesoionic 1,3-Oxazolium-5-olates		Podophyllotoxin Aza-Analogue, A Novel DNA Topoisomerase II Inhibitor	
M. Kawase and S. Saito	410	A. Iida, M. Kano, Y. Kubota, K. Koga, and K. Tomioka	486
A Tetrahydroisoquinoline-monoterpene Glucoside and an Iridoid Glucoside from <i>Alangium kurzii</i>		Novel Potassium Channel Opener Prodrugs with a Slow Onset and Prolonged Duration of Action	
T. Tanahashi, C. Kobayashi, A. Itoh, N. Nagakura, K. Inoue, H. Kuwajima, and H.-X. Wu	415	H. Horino, T. Mimura, S. Kobayashi, M. Ohta, H. Kubo, K. Ito, M. Tsumura, and M. Kitagawa	490
Influence of Production Variables on the Sphericity of Melt Pellets		Methyl Quadrangularates A—D and Related Triterpenes from <i>Combretrum quadrangulare</i>	
P. W. S. Heng, T. W. Wong, and L. W. Chan	420	A. H. Banskota, Y. Tezuka, K. Q. Tran, K. Tanaka, I. Saiki, and S. Kadota	496
Notes		Structures of 4-Aryl-coumarin (Neoflavone) Dimers Isolated from <i>Pistacia chinensis</i> BUNGE and Their Estrogen-like Activity	
Cimiracemside A: A New Cyclolanostanol Xyloside from the Rhizome of <i>Cimicifuga racemosa</i>		S. Nishimura, M. Taki, S. Takaishi, Y. Iijima, and T. Akiyama	505
E. Bedir and I. A. Khan	425	4-Sulphenyl-2-carbamoyl-4-isoxazolin-3-ones: Biological Isostere to 4-Chloro-2-carbamoyl-4-isoxazolin-3-ones	
Novel Potassium Channel Activators. III. Synthesis and Pharmacological Evaluation of 3,4-Dihydro-2 <i>H</i> -1,4-benzoxazine Derivatives: Modification at the 2 Position		N. Kudo, T. Yoneda, K. Sato, T. Honma, and S. Sugai	509
Y. Matsumoto, W. Uchida, H. Nakahara, I. Yanagisawa, T. Shibamura, and H. Nohira	428	Cardenolide and Oxypregnane Glycosides from the Root of <i>Asclepias incarnata</i> L.	
Indonesian Medicinal Plants. XXIII. Chemical Structures of Two New Migrated Pimarane-type Diterpenes, Neoorthosiphols A and B, and Suppressive Effects on Rat Thoracic Aorta of Chemical Constituents Isolated from the Leaves of <i>Orthosiphon aristatus</i> (Lamiaceae)		T. Warashina and T. Noro	516
K. Ohashi, T. Bohgaki, T. Matsubara, and H. Shibuya	433	Studies on the Reaction of Benzo[X]quinoline <i>N</i> -Oxides (X = <i>f</i> , <i>h</i> , and <i>g</i>) with Methylsulfinyl Carbanion Using the Semi-empirical Molecular Orbital Method. Liberation of the <i>N</i> -Oxide Group	
Synthesis of 2-Substituted 3-Nitro-1,2-dihydropyridines by Heterocyclic Annulation Reactions of a <i>sec</i> -Nitrodienamine with Aldehyde Compounds		H. Matsuzaki, I. Takeuchi, and Y. Hamada	525
T. Koike, Y. Shinohara, N. Ishibashi, N. Takeuchi, and S. Tobinaga	436	Improved Synthesis of Paroxetine Hydrochloride Propan-2-ol Solvate through One of Metabolites in Humans, and Characterization of the Solvate Crystals	
A Novel Cytotoxic <i>C</i> -Methylated Biflavone from the Stem of <i>Cephalotaxus wilsoniana</i>		K. Sugi, N. Itaya, T. Katsura, M. Igi, S. Yamazaki, T. Ishibashi, T. Yamaoka, Y. Kawada, Y. Tagami, M. Otsuki, and T. Ohshima	529
Y.-H. Kuo, C.-H. Lin, S.-Y. Hwang, Y.-C. Shen, Y.-L. Lee, and S.-Y. Li	440	Structural and Spectral Characteristics of the Electrogenerated Tetra-cyanoethylene Dianion	
<i>O</i> -(<i>N</i> -Succinimidyl)-1,1,3,3-tetramethyluronium Tetrafluoroborate- <i>N</i> -		N. Okumura, M. Goto, and B. Uno	537
		Megastigmane, Benzyl and Phenethyl Alcohol Glycosides, and 4,4'-	

- Dimethoxy- β -truxinic Acid Catalpol Diester from the Leaves of *Premna subscandens* MERR.
H. Sudo, T. Ide, H. Otsuka, E. Hirata, A. Takushi, T. Shinzato, and Y. Takeda 542
- Notes**
- Glochidionolactones A—F: Butenolide Glucosides from Leaves of *Glochidion zeylanicum* (GAERTN) A. JUSS
H. Otsuka, E. Hirata, A. Takushi, T. Shinzato, Y. Takeda, M. Bando, and M. Kido 547
- Synthesis of Tricyclic Compounds as Steroid 5 α -Reductase Inhibitors
H. Takami, H. Nonaka, N. Kishibayashi, A. Ishii, H. Kase, and T. Kumazawa 552
- Cholestane Glycosides from *Solanum abutiloides*. III
H. Yoshimitsu, M. Nishida, and T. Nohara 556
- Butyrolactones from *Aspergillus terreus*
K. V. Rao, A. K. Sadhukhan, M. Veerender, V. Ravikumar, E. V. S. Mohan, S. D. Dhanvantri, M. Sitaramkumar, J. Moses Babu, K. Vyas, and G. Om Reddy 559
- Efficient Synthesis of a Key Intermediate of DV-7751 via Optical Resolution or Microbial Reduction
A. Miyadera, K. Satoh, and A. Imura 563
- Differentiation Inducing Activities of Isocoumarins from *Hydrangea Dulcis* Folium
K. Umehara, M. Matsumoto, M. Nakamura, T. Miyase, M. Kuroyanagi, and H. Noguchi 566
- Studies on the Constituents of Solanaceous Plants. (46). Steroidal Glycosides from the Fruits of *Solanum anguivi*
X.-H. Zhu, T. Ikeda, and T. Nohara 568
- Stereoselective Reactions. XXXII. Enantioselective Deprotonation of 4-*tert*-Butylcyclohexanone by Fluorine-Containing Chiral Lithium Amides Derived from 1-Phenylethylamine and 1-(1-Naphthyl)ethylamine
K. Aoki and K. Koga 571
- Two Novel C-Glycosides of Aureolic Acid Repress Transcription of the *MDR1* Gene
M. Tagashira, T. Kitagawa, N. Nozato, S. Isonishi, A. Okamoto, K. Ochiai, and Y. Ohtake 575
- The Controlled Release of a Drug from Biodegradable Chitosan Gel Beads
K. Kofuji, T. Ito, Y. Murata, and S. Kawashima 579
- Four New Furanone-Coumarins from *Clausena excavata*
Y. Takemura, K. Nakamura, T. Hirusawa, M. Ju-ichi, C. Ito, and H. Furukawa 582
- Temperature-Induced Crystallization and Compactibility of Spray Dried Composite Particles Composed of Amorphous Lactose and Various Types of Water-Soluble Polymer
H. Takeuchi, T. Yasuji, H. Yamamoto, and Y. Kawashima 585
- An Efficient Synthesis of the Anti-asthmatic Agent T-440: A Selective N-Alkylation of 2-Pyridone
M. Sugahara, Y. Moritani, T. Kuroda, K. Kondo, H. Shimadzu, and T. Ukita 589
- Number 5**
- Regular Articles**
- Six New Ursane- and Oleanane-Type Triterpenes from the Aerial Roots of *Ficus microcarpa*
Y.-H. Kuo and Y.-M. Chiang 593
- Six Podocarpane-Type Trinorditerpenes from the Bark of *Taiwania cryptomerioides*
Y.-H. Kuo, C.-I Chang, and C.-K. Lee 597
- Determination of Secnidazole in Urine by Adsorptive Stripping Voltammetry
A.-E. Radi and A. Hassanein 600
- Effect of Polymethylene and Phenylene Linking Groups on the DNA Cleavage Specificity of Distamycin-Linked Hydroxamic Acid-Vanadyl Complexes
S. Hashimoto, T. Inui, and Y. Nakamura 603
- Electron Spin Resonance Studies of Dipalmitoylphosphatidylcholine Liposomes Containing Soybean-Derived Sterylglucoside
K. Muramatsu, T. Masumizu, Y. Maitani, S. H. Hwang, M. Kohno, K. Takayama, and T. Nagai 610
- New Cytotoxic Butanolides from *Lindera obtusiloba* BLUME
H. C. Kwon, N. I. Baek, S. U. Choi, and K. R. Lee 614
- Modification of the Physicochemical Properties of Minocycline Hydrochloride Ointment with Cyclodextrines for Optimum Treatment of Bedsore
M. Shigezama, T. Ohgaya, Y. Kawashima, H. Takeuchi, and T. Hino 617
- Synthesis and Serotonin 2 (5-HT₂) Receptor Antagonist Activity of 5-Aminoalkyl-Substituted Pyrrolo[3,2-c]azepines and Related Compounds
A. Mizuno, A. Ogata, T. Kamei, M. Shibata, T. Shimamoto, Y. Hayashi, K. Nakanishi, C. Takiguchi, N. Oka, and N. Inomata 623
- Benzaldehyde, 2-Hydroxybenzoyl Hydrazone Derivatives as Inhibitors of the Corrosion of Aluminium in Hydrochloric Acid
A. S. Fouda, M. M. Gouda, and S. I. A. El-Rahman 636
- Lupin Alkaloids from Chinese *Maackia amurensis*
Y.-H. Wang, J.-S. Li, Z.-R. Jiang, H. Kubo, K. Higashiyama, and S. Ohmiya 641
- Effects of Aging on Crystallization, Dissolution and Absorption Characteristics of Amorphous Tolbutamide-2-Hydroxypropyl- β -cyclodextrin Complex
K. Kimura, F. Hirayama, H. Arima, and K. Uekama 646
- Medicinal Flowers. II. Inhibitors of Nitric Oxide Production and Absolute Stereostructures of Five New Germacrane-Type Sesquiterpenes, Kikkanols D, D Monoacetate, E, F, and F Monoacetate from the Flowers of *Chrysanthemum indicum* L.
M. Yoshikawa, T. Morikawa, I. Toguchida, S. Harima, and H. Matsuda 651
- Three New Sesquiterpene Lactones from the Pericarps of *Illicium merrillianum*
J. Huang, Y. Fukuyama, C. Yang, H. Minami, and M. Tanaka 657
- Application of Liquid Chromatography-Atmospheric Pressure Chemical Ionization Mass Spectrometry to the Differentiation of Stereoisomeric C₁₉-Norditerpenoid Alkaloids
K. Wada, T. Mori, and N. Kawahara 660
- The Cyclization Reaction of *Ortho*-Ethynylbenzaldehyde Derivatives into Isoquinoline Derivatives
T. Sakamoto, A. Numata, and Y. Kondo 669
- Sustained-Release Phenylpropanolamine Hydrochloride Bilayer Caplets Containing the Hydroxypropylmethylcellulose 2208 Matrix. I. Formulation and Dissolution Characteristics
S. Ohmori and T. Makino 673
- Sustained-Release Phenylpropanolamine Hydrochloride Bilayer Caplets Containing the Hydroxypropylmethylcellulose 2208 Matrix. II. Effects of Filling Order in Bilayer Compression and Manufacturing Method of the Prolonged-Release Layer on Compactibility of Bilayer Caplets
S. Ohmori and T. Makino 678
- Synthesis of New Synthons for Organofluorine Compounds from Halothane Containing Sulfur Functional Groups
M. Kato, K. Maeda, K. Sato, M. Omote, A. Ando, and I. Kumadaki 683
- Polyphenols from *Eriobotrya japonica* and Their Cytotoxicity against Human Oral Tumor Cell Lines
H. Ito, E. Kobayashi, Y. Takamatsu, S.-H. Li, T. Hatano, H. Sakagami, K. Kusama, K. Satoh, D. Sugita, S. Shimura, Y. Itoh, and T. Yoshida 687
- Synthesis and Antifungal Activities of R-102557 and Related Dioxane-Triazole Derivatives
S. Oida, Y. Tajima, T. Konosu, Y. Nakamura, A. Somada, T. Tanaka, S. Habuki, T. Harasaki, Y. Kamai, T. Fukuoka, S. Ohya, and H. Yasuda 694
- Intermediate State during the Crystal Transition in Aspartame, Studied with Thermal Analysis, Solid-State NMR, and Molecular Dynamics Simulation
K. Ebisawa, N. Nagashima, K. Fukuhara, S. Kumon, S. Kishimoto, E. Suzuki, S. Yoneda, and H. Umeyama 708
- Stereocontrolled Synthesis of Piperidine-Condensed Tricyclic Carbapenems (5-Azatrinems) and Their Antibacterial Activities

M. Mori, A. Somada, and S. Oida	716	Study of Synthesis and Cardiovascular Activity of Some Furoxan Derivatives as Potential NO-Donors L. Mu, S. Feng, and M. L. Go	808
Notes		Bioavailable Acyl-CoA:Cholesterol Acyltransferase Inhibitor with Anti-peroxidative Activity: Synthesis and Biological Activity of Novel Indolyl Amide and Urea Derivatives S. Kamiya, H. Shirahase, A. Yoshimi, S. Nakamura, M. Kanda, H. Matsui, M. Kasai, K. Takahashi, and K. Kurahashi	817
Synthesis and α -Adrenergic Binding Ligand Affinities of 2-Iminoimidazolidine Derivatives J. Chang-Fong, K. Benamour, B. Szymonski, F. Thomasson, J.-M. Morand, and M. Cussac	729	Four New Triterpene Glycosides from <i>Thalictrum squarrosum</i> H. Yoshimitsu, M. Nishida, Z.-Z. Qian, Z.-H. Lei, and T. Nohara	828
Studies on Bioadhesive Granules I: Granules Formulated with <i>Prosopis africana</i> (Prosopis) Gum A. A. Attama, M. U. Adikwu, and N. D. Okoli	734	Bicyclo[3.2.1]octane and 6-Oxabicyclo[3.2.2]nonane Type Neolignans from <i>Magnolia denudata</i> M. Kuroyanagi, K. Yoshida, A. Yamamoto, and M. Miwa	832
Two New Quinones from <i>Iris bungei</i> A. Rahman, M. I. Choudhary, M. N. Alam, P. Ö. Ndognii, T. Badarchiin, and G. Purevsuren	738	Four New Saponins from the Root Bark of <i>Aralia elata</i> S. Song, N. Nakamura, C. Ma, M. Hattori, and S. Xu	838
Synthesis and Evaluation of Some Hydroxyproline-Derived Peptidomimetics as Isoprenyltransferase Inhibitors C. E. O'Connell, C. A. Rowell, K. Ackermann, A. M. Garcia, M. D. Lewis, and J. J. Kowalczyk	740	Quantitative Structure-Activity Relationship Study of <i>N</i> -(3-Oxo-3,4-dihydro-2 <i>H</i> -benzo[1,4]thiazine-6-carbonyl)guanidines as Potent Na/H Exchange Inhibitors T. Yamamoto, M. Hori, I. Watanabe, K. Harada, S. Ikeda, and H. Ohtaka	843
Δ^9 -Tetrahydrocannabinol Content in Cannabis Plants of Greek Origin M. Stefanidou, S. Athanaselis, G. Alevisopoulos, J. Papoutsis, and A. Koutselinis	743	Preparation and Characterization of Hyaluronate-Hydroxyethyl Acrylate Blend Hydrogel for Controlled Release Device M. Inukai, Y. Jin, C. Yomota, and M. Yonese	850
Studies of the Constituents of <i>Gardenia</i> Species. II. Terpenoids from <i>Gardenia fructus</i> K. Machida, K. Oyama, M. Ishii, R. Kakuda, Y. Yaoita and M. Kikuchi	746	Synthetic Studies of an 18-Membered Antitumor Macrolide, Tedanolide. 6. Synthesis of a Key Intermediate via a Highly Efficient Macrolactonization of Computer-Aid Designed <i>seco</i> -Acid T. Matsushima, N. Nakajima, B.-Z. Zheng, and O. Yonemitsu	855
Sterol Constituents from Two Edible Mushrooms, <i>Lentinula edodes</i> and <i>Tricholoma matsutake</i> N. Ohnuma, K. Amemiya, R. Kakuda, Y. Yaoita, K. Machida and M. Kikuchi	749	Synthesis of Arnottin I through a Palladium-Mediated Aryl-Aryl Coupling Reaction T. Harayama, H. Yasuda, T. Akiyama, Y. Takeuchi, and H. Abe	861
New Megastigmane and Tetraketide from the Leaves of <i>Euscaphis japonica</i> Y. Takeda, Y. Okada, T. Masuda, E. Hirata, T. Shinzato, A. Takushi, Q. Yu, and H. Otsuka	752	Preparation of New Nitrogen-Bridged Heterocycles. 49. A New Access to Thieno[3,4- <i>b</i>]indolizine Derivatives A. Kakehi, S. Ito, K. Hirata, and P. Zuo	865
Communications to the Editor		Notes	
Studies on the 1,4-Oxazepine Ring Formation Reaction Using the Molecular Orbital Method H. Matsuzaki, I. Takeuchi, Y. Hamada, and K. Hatano	755	Salicylic Acid Derivatives Form Stable Complexes with Scandium(III) Ion in Aqueous Solution N. Türkel and U. Özer	870
Number 6		Micellar Electrokinetic Chromatography (MEKC) Separation of Furanonaphthoquinones from <i>Tabebuia impetiginosa</i> J. Koyama, I. Morita, A. Kino, and K. Tagahara	873
Review		Conversion of Quassinoids for Enhancement of Inhibitory Effect against Epstein-Barr Virus Early Antigen Activation. Introduction of Lipophilic Side Chain and Esterification of Diosphenol S. Tamura, N. Fukamiya, X.-Y. Mou, T. Mukainaka, H. Tokuda, H. Nishino, K. Tagahara, K. Koike, K.-H. Lee, and M. Okano	876
Adventures with Heterocycles R. Huisgen	757	Two 3,4- <i>seco</i> -Lupane Triterpenes from Leaves of <i>Acanthopanax divaricatus</i> var. <i>albeofructus</i> O.-J. Oh, S.-Y. Chang, C.-S. Yook, K.-S. Yang, S.-Y. Park, and T. Nohara	879
Regular Articles		The '2+1' Construction of Homooxalix[3]arenes Possessing Different Substituents on Their Upper Rims K. Tsubaki, K. Mukoyoshi, T. Otsubo, and K. Fuji	882
Four New Terpenes from the Pericarp of <i>Platycladus orientalis</i> Y.-H. Kuo, W.-C. Chen, and C.-K. Lee	766	α -Bromo- α , α -difluoroallyl Derivatives as Synthetic Intermediate: Nucleophilic Substitution of α -Bromo- α , α -difluoroallyl Derivatives in the Presence of Palladium Catalysts M. Kirihiro, T. Takuwa, M. Okumura, T. Wakikawa, H. Takahata, T. Momose, Y. Takeuchi, and H. Nemoto	885
The Effects of Adsorbed Water on Tensile Strength and Young's Modulus of Moldings Determined by Means of a Three-Point Bending Method T. Tsukamoto, C. Y. Chen, H. Okamoto, and K. Danjo	769	Saponins of Plants of Panax Species Collected in Central Nepal, and Their Chemotaxonomical Significance. III. O. Tanaka, E.-C. Han, H. Yamaguchi, H. Matsuura, T. Murakami, T. Taniyama, and M. Yoshikawa	889
Single Strand Conformation Polymorphism Analysis of Ras Oncogene by Capillary Electrophoresis with Laser-Induced Fluorescence Detector A. Nishimura and M. Tshako	774	Communications to the Editor	
Characteristics of Complexes Composed of Sodium Hyaluronate and Bovine Serum Albumin S. Xu, J. Yamanaka, S. Sato, I. Miyama, and M. Yonese	779	Reactivity of an <i>o</i> -Indoloquinone to 1- and 2-Azadienes V. Bernardes Génisson, P. Nebois, M. Domard, and H. Fillion	893
ESR Study on the Antioxidant Activity of TAK-218 in Biological Model Membranes M. Murakami, K. Fukatsu, S. Ohkawa, F. Kasahara, and T. Sugawara	784	Errata	895
Study of Tolbutamide-Hydroxypropyl- γ -cyclodextrin Interaction in Solution and Solid State M.-D. Veiga and F. Ahsan	793		
Absorption, First-Pass Metabolism, and Disposition of Itraconazole in Rats S. D. Yoo, E. Kang, H. Jun, B. S. Shin, K. C. Lee, and K. H. Lee	798		
Phosphorylation of D-Glucose Derivatives with Inorganic Cyclo-Triphosphate: Substituent Effect at the 5-CH ₂ OH or 2-OH Group H. Inoue, M. Watanabe, H. Nakayama, and M. Tshako	802		

Number 7

Regular Articles

- Resorufin as an Electron Acceptor in Glucose Oxidase-Catalyzed Oxidation of Glucose
H. Maeda, S. Matsu-ura, T. Senba, S. Yamasaki, H. Takai, Y. Yamauchi, and H. Ohmori 897
- Synthesis and Biological Activities of 2-Arachidonoylglycerol, an Endogenous Cannabinoid Receptor Ligand, and Its Metabolically Stable Ether-linked Analogues
Y. Suhara, H. Takayama, S. Nakane, T. Miyashita, K. Waku, and T. Sugiura 903
- Autoxidation of Ascorbic Acid Catalyzed by the Copper(II) Bound to L-Histidine Oligopeptides, (His)₂Gly and Acetyl-(His)₂Gly (*i*=9, 19, 29). Relationship between Catalytic Activity and Coordination Mode
J. Ueda, A. Hanaki, K. Hatano, and T. Nakajima 908
- Mononuclear and Polynuclear Chelates of Picolinoyldithiocarbamate
T. H. Rakha and M. M. Bekheit 914
- Synthesis, Conformation, and Chemical Properties of New Mini Parallel Double-Stranded Peptides Conjugated with -Phe-Phe- and -Phe-Phe-X- Sequences
S. Kobayashi, H. Kobayashi, T. Yamaguchi, M. Nishida, K. Yamaguchi, M. Kurihara, N. Miyata, and A. Tanaka 920
- Synthesis of Diaryl-Substituted Imidazo[1,2-*a*]pyridines Designed as Potential Aromatase Inhibitors
C. Enguehard, J.-L. Renou, H. Allouchi, J.-M. Leger, and A. Gueiffier 935
- PEC Films Prepared from Chitosan-Alginate Coacervates
X. Yan, E. Khor, and L.-Y. Lim 941
- Formation of Spherical Micelles by the Novel Platelet Activating Factor Receptor Antagonist, E5880
T. Nomura, Y. Asai, N. Murahashi, and K. Iwamoto 947
- The Shell Dissolution of Various Empty Hard Capsules
I. Chiwele, B. E. Jones, and F. Podczeczek 951
- Difference Spatial Distribution Function Analysis of Aqueous Solutions. III. Hydration Structures of Alcohol and Ether Solutions Having Straight Chain and Branched Alkyl Groups
T. Hata and Y. Ono 957
- Synthesis and Anti-platelet, Anti-inflammatory and Anti-allergic Activities of Methoxyisoflavanquinone and Related Compounds
C.-Y. Chang, L.-J. Huang, J.-P. Wang, C.-M. Teng, S.-C. Chen, and S.-C. Kuo 964
- Pyridodems B—D, Potent Cytotoxic bis-Pyridine Alkaloids from Marine Sponge *Amphimedon* sp.
K. Hirano, T. Kubota, M. Tsuda, Y. Mikami, and J. Kobayashi 974
- Studies on Adsorption Characteristics of Bile Acids and Methotrexate to a New Type of Anion-Exchange Resin, Colestimide
Y. Honda and M. Nakano 978
- New Antifungal 1,2,4-Triazoles with Difluoro(heteroaryl)methyl Moiety
H. Eto, Y. Kaneko, and T. Sakamoto 982
- An Androstane Bioside and 3'-Thiazolidinone Derivatives of Doubly-linked Cardenolide Glycosides from the Roots of *Asclepias tuberosa*
F. Abe and T. Yamauchi 991
- Medicinal Foodstuffs. XVII. Fenugreek Seed. (3): Structures of New Furostanol-Type Steroid Saponins, Trigoneosides Xa, Xb, Xib, XIla, XIib, and XIIf, and XIIIa, from the Seeds of Egyptian *Trigonella foenum-graecum* L.
T. Murakami, A. Kishi, H. Matsuda, and M. Yoshikawa 994
- Stilbenoids Isolated from Stem Bark of *Shorea hemsleyana*
T. Ito, T. Tanaka, Y. Ido, K. Nakaya, M. Iinuma, and S. Riswan 1001
- The Constituents of the Root and Stem of *Aristolochia cucurbitifolia* Hayata and Their Biological Activity
T.-S. Wu, Y.-Y. Chan, and Y.-L. Leu 1006
- Polymer-Supported Dicyanoketene Acetal as a π -Acid Catalyst: Monothioacetalization and Carbon-Carbon Bond Formation of Acetals
N. Tanaka, T. Miura, and Y. Masaki 1010
- Pregnane Glycosides from the Roots of *Asclepias tuberosa*
F. Abe and T. Yamauchi 1017
- Michael-type Reaction of Ethyl Bromodifluoroacetate with α,β -Unsaturated Carbonyl Compounds in the Presence of Copper Powder
K. Sato, M. Tamura, K. Tamoto, M. Omote, A. Ando, and I. Kumadaki 1023
- Triterpenes from the Spores of *Ganoderma lucidum* and Their Cytotoxicity against Meth-A and LLC Tumor Cells
B.-S. Min, J.-J. Gao, N. Nakamura, and M. Hattori 1026
- In Vivo* Evaluation of Carborane Gadolinium-DTPA Complex as an MR Imaging Boron Carrier
H. Nakamura, H. Fukuda, F. Girald, T. Kobayashi, J. Hiratsuka, T. Akaizawa, H. Nemoto, J. Cai, K. Yoshida, and Y. Yamamoto 1034
- Medicinal Foodstuffs. XVIII. Phytoestrogens from the Aerial Part of *Petroselinum crispum* MILL. (PARSLEY) and Structures of 6''-Acetylapiin and a New Monoterpene Glycoside, Petroside
M. Yoshikawa, T. Uemura, H. Shimoda, A. Kishi, Y. Kawahara, and H. Matsuda 1039
- Bioactive Saponins and Glycosides. XVI. Nortriterpene Oligoglycosides with Gastroprotective Activity from the Fresh Leaves of *Euptelea polyandra* SIEB. et ZUCC. (1): Structures of Eupteleasaponins I, II, III, IV, V, and V Acetate
M. Yoshikawa, T. Murakami, H. Oominami, and H. Matsuda 1045
- Chalcone and Stilbene Synthases Expressed in Eucaryotes Exhibit Reduced Cross-Reactivity *in Vitro*
D.-Y. Suh, J. Kagami, K. Fukuma, N. Iwanami, Y. Yamazaki, H. Yurimoto, Y. Sakai, N. Kato, M. Shibuya, Y. Ebizuka, and U. Sankawa 1051
- Prolyl Endopeptidase Inhibitory Activity of Fourteen Kampo Formulas and Inhibitory Constituents of Tokaku-joki-to (桃核承氣湯)
W. Fan, Y. Tezuka, and S. Kadota 1055
- Steroidal Oligoglycosides from *Solanum nigrum*
T. Ikeda, H. Tsumagari, and T. Nohara 1062
- Application of Liquid Chromatography-Atmospheric Pressure Chemical Ionization Mass Spectrometry to the Differentiation of Stereoisomeric Diterpenoid Alkaloids
K. Wada, T. Mori, and N. Kawahara 1065
- Notes**
- Three New Phenylethanoid Glycosides from *Caryopteris incana* and Their Antioxidative Activity
J. Gao, K. Igarashi, and M. Nukina 1075
- A Novel Agarofuran Sesquiterpene, Celahin D from *Celastrus hindii* BENTH.
H.-C. Huang, C.-C. Shen, C.-F. Chen, Y.-C. Wu, and Y.-H. Kuo 1079
- Macrophyllisaponin E: A Novel Compound from the Roots of *Astragalus oleifolius*
E. Bedir, I. Calis, and I. A. Khan 1081
- Isolation of Lignan Glucosides and Neolignan Sulfate from the Leaves of *Glochidion zeylanicum* (Gaertn.) A. Juss
H. Otsuka, E. Hirata, T. Shinzato, and Y. Takeda 1084
- A New Cytotoxic Polyhydroxysterol from Soft Coral *Sarcophyton trocheliophorum*
H. Dong, Y.-L. Gou, R. M. Kini, H.-X. Xu, S.-X. Chen, S. L. M. Teo, and P. P.-H. But 1087
- Conduritol F Glucosides and Terpenoid Glucosides from *Cynanchum luikiuense* and Distribution of Conduritol F Glucosides in Several Asclepiadaceous Plants
F. Abe, T. Yamauchi, K. Honda, and N. Hayashi 1090
- Antisweet Natural Products. XV. Structures of Jegosaponins A—D from *Styrax japonica* SIEB. et ZUCC.
K. Yoshikawa, H. Hirai, M. Tanaka, and S. Arihara 1093
- α,α -gem-Difluorination of α -(Alkylthio)acetophenone Derivatives with *N*-Fluoropyridinium Salts
S. Takeda, Y. Kaneko, H. Eto, M. Tokizawa, S. Sato, K. Yoshida, S. Namiki, and M. Ogawa 1097
- Communications to the Editor**
- Geranylgeranyl Diphosphate Synthases from *Scoparia dulcis* and *Croton sublyratus*. cDNA Cloning, Functional Expression, and Conversion to a Farnesyl Diphosphate Synthase

- N. Kojima, W. Sitthithaworn, E. Viroonchatapan, D.-Y. Suh,
N. Iwanami, T. Hayashi, and U. Sankawa 1101

Number 8

Regular Articles

- Molecular Mobility of the Paracetamol Amorphous Form
P. D. Martino, G. F. Palmieri, and S. Martelli 1105
- Four Mono-tetrahydrofuran Ring Acetogenins, Montanacins B—E,
from *Annona montana*
L.-Q. Wang, N. Nakamura, M. R. Meselhy, M. Hattori,
W.-M. Zhao, K.-F. Cheng, R.-Z. Yang, and G.-W. Qin 1109
- Quadransides VI—XI, Six New Triterpene Glucosides from the
Seeds of *Combretum quadrangulare*
I. K. Adnyana, Y. Tezuka, S. Awale, A. H. Banskota, K. Q. Tran,
and S. Kadota 1114
- Synthesis of 1-Azabicyclo[3.3.0]octane Derivatives and Their Effects
as Piracetam-like Nootropics
M. Oka, Y. Matsumoto, K. Hirooka, and T. Suzuki 1121
- Hydrolysis Behavior of Prednisolone 21-Hemisuccinate/ β -Cyclodex-
trin Amide Conjugate: Involvement of Intramolecular Catalysis of
Amide Group in Drug Release
H. Yano, F. Hirayama, H. Arima, and K. Uekama 1125
- Studies on Antihypertensive Agents with Antithrombotic Activity. 2.
Syntheses and Pharmacological Evaluation of Pyrrolo[2,3-*c*]azepine
Derivatives
A. Mizuno, M. Miya, T. Kamei, M. Shibata, T. Tatsuoka,
K. Nakanishi, C. Takiguchi, T. Hidaka, A. Yamaki, and
N. Inomata 1129
- The Effect of Phenyl Substituents on the Release Rates of Esterase-
Sensitive Coumarin-Based Prodrugs
Y. Liao, S. Hendrata, S. Y. Bae, and B. Wang 1138
- Synthesis and Systemic Fungicidal Activity of Silicon-Containing
Azole Derivatives
H. Itoh, R. Yoneda, J. Tobitsuka, T. Matsuhisa, H. Kajino,
H. Ohta, N. Hayashi, Y. Takahi, M. Tsuda, and H. Takeshiba 1148
- On-line Monitoring of Granule Growth in High Shear Granulation by
an Image Processing System
S. Watano, T. Numa, K. Miyanami, and Y. Osako 1154
- Synthetic Studies on Glycosphingolipids from Protostomia Phyla:
Synthesis of a Glycosphingolipid Analogue from the Parasite
Spirometra erinacei
N. Hada, M. Kuroda, and T. Takeda 1160
- Structure–Activity Relationships of Neuromedin U. IV. Absolute
Requirement of the Arginine Residue at Position 7 of Dog Neu-
romedin U-8 for Contractile Activity
N. Sakura, K. Kurosawa, and T. Hashimoto 1166
- Aldol Condensation *versus* Conjugate Addition: Intramolecular Cy-
clization Using a Combination of Lewis Acid and 1,2-Diol
S. Yamada and H. Suemune 1171
- Synthesis of Decalin Type Chiral Synthons Based on Enzymatic Func-
tion
M. Nozawa, Y. Murakami, K. Noda, R. Tamatsukuri, K. Kato,
and H. Akita 1176
- 6*S*,8*R*-Stereochemistry of the C₂₇- and C₂₉-Alkane-6,8-diols Isolated
from Three Compositae Flowers
M. Ukiya, T. Akihisa, S. Motohashi, K. Yasukawa, Y. Kimura,
Y. Kasahara, M. Takido, and N. Tokutake 1187
- Ichthyotoxic Phloroglucinol Derivatives from *Dryopteris fragrans* and
Their Anti-tumor Promoting Activity
H. Ito, T. Muranaka, K. Mori, Z.-X. Jin, H. Tokuda, H. Nishino,
and T. Yoshida 1190
- Reactions of Grignard Reagents with Bis- or Mono-Phosphonium
Ions *in Situ* Generated from Bu₃P and Dicarboxylic Acid Dichlorides
or ω -Ethoxycarbonyl Alkanoyl Chlorides as a Novel Method to Ob-
tain Diketones and Ketoesters
H. Maeda, N. Hino, Y. Yamauchi, and H. Ohmori 1196
- Five Secoiridoid Glucosides Esterified with a Cyclopentanoid
Monoterpene Unit from *Jasminum nudiflorum*
T. Tanahashi, Y. Takenaka, N. Nagakura, and T. Nishi 1200

Notes

- Evidence for the Degradation of Maleate Moiety in Chlorpheniramine
Maleate Solution Using a Stability-Indicating HPLC Method
S. Yamato, M. Nakajima, N. Kawakami, K. Shimada,
E. Tachikawa, S. Ohta, and H. Zenda 1205
- Influence of the Conformation of Methoxy-(2-naphthyl)acetates
(2NMA Esters) on Their Chemical Reactions
S. Fukuyoshi, T. Ooi, and T. Kusumi 1208
- Six New Compounds from the Heartwood of *Diospyros maritima*
Y.-H. Kuo and C.-I. Chang 1211
- Formation of 17 β -Alkoxy-16-keto Steroids by Reaction of 16 α -Hy-
droxy-17-keto and 17 β -Hydroxy-16-keto Steroids with Trimethylsilyl
Iodide in the Presence of Alkyl Alcohols
M. Nagaoka, M. Endo, and M. Numazawa 1215
- Studies on the Constituents of *Anaxagorea luzonensis* A. GRAY
R. Gonda, T. Takeda, and T. Akiyama 1219
- Three Oligosaccharide Esters, Telephioses A—C, from *Polygala tele-
phioides*
J.-C. Li, M. Ono, and T. Nohara 1223
- Major Metabolites of Ginseng Sapogenins formed by Rat Liver
Microsomes
R. Kasai, K. Hara, R. Dokan, N. Suzuki, T. Mizutare,
S. Yoshihara, and K. Yamasaki 1226
- Novel Biphenyl Ether Lignans from the Rhizomes of *Curcuma
chuanyujin*
J. Huang, Y. Ogihara, R. Gonda, and T. Takeda 1228
- A New Practical Strategy for the Synthesis of Long-Chain Phospho-
peptide
K. Miyoshi, A. Otaka, M. Kaneko, H. Tamamura, and N. Fujii 1230
- Labdane Diterpenoids from *Marrubium globosum* ssp. *globosum*
Y. Takeda, K. Yanagihara, T. Masuda, H. Otsuka, G. Honda,
Y. Takaishi, E. Sezik, and E. Yesilada 1234
- Chemiluminescence Derivatization of Methylglyoxal Using 2-
Aminonicotinic Acid
Y. Ohba, M. Sakata, and K. Zaitzu 1236
- Biotransformation of a C-Glycosylflavone, Abrusin 2''-O- β -D-Apio-
side, by Human Intestinal Bacteria
Y. Li, M. R. Meselhy, L.-Q. Wang, C.-M. Ma, N. Nakamura, and
M. Hattori 1239
- Two New Acylated Flavonol Glycosides from *Vicia amurensis*
S. S. Kang, Y. S. Chang, and J. S. Kim 1242

Communications to the Editor

- Three Novel Cyclospirobifuranocoumarins, Cyclorivulobirins A—C,
from *Pleurospermum rivulorum*
M. Taniguchi, Y.-Q. Xiao, and K. Baba 1246

Number 9

Regular Articles

- Antiandrogenic Effect of 16-Substituted, Non-substituted and D-
Homopregnane Derivatives
E. A. Bratoeff, H. Herrera, E. Ramírez, K. Solorzano, E. Murillo,
A. Quiróz, and M. Cabeza 1249
- Synthesis of Sialyl Lewis X-Polysaccharide Conjugates
M. Sakagami, K. Horie, K. Nakamoto, T. Kawaguchi, and
H. Hamana 1256
- Inclusion Complex of 3,9-Bis(*N,N*-dimethylcarbamoyloxy)-5*H*-benzo-
furo[3,2-*c*]quinoline-6-one (KCA-098) with Heptakis(2,6-di-*O*-
methyl)- β -cyclodextrin: Interaction and Dissolution Properties
T. Yamada, T. Imai, K. Ouchi, M. Otagiri, F. Hirayama, and
K. Uekama 1264
- Non-glutamate Type Pyrrolo[2,3-*d*]pyrimidine Antifolates. III. Syn-
thesis and Biological Properties of *N*¹⁰-Masked Ornithine Analogs
F. Itoh, Y. Yoshioka, K. Yukishige, S. Yoshida, K. Ootsu, and
H. Akimoto 1270
- Studies on the Constituents of *Broussonetia* Species. VII. Four New
Pyrrolidine Alkaloids, Broussonetines M, O, P, and Q, as Inhibitors of
Glycosidase, from *Broussonetia kazinoki* SIEB.
M. Shibano, D. Tsukamoto, R. Fujimoto, Y. Masui, H. Sugimoto,
and G. Kusano 1281
- Phenolic Constituents of Licorice. VIII. Structures of Glicophenone

- and Glicoisoflavanone, and Effects of Licorice Phenolics on Methicillin-Resistant *Staphylococcus aureus*
T. Hatano, Y. Shintani, Y. Aga, S. Shiota, T. Tsuchiya, and T. Yoshida 1286
- Interactions between Local Anesthetics and Na⁺ Channel Inactivation Gate Peptides in Phosphatidylserine Suspensions as Studied by ¹H-NMR Spectroscopy
Y. Kuroda, K. Miyamoto, K. Tanaka, Y. Maeda, J. Ishikawa, R. Hinata, A. Otaka, N. Fujii, and T. Nakagawa 1293
- Degradation Products Generated by Sonication of Benzyl Alcohol, a Sample Preparation Solvent for the Determination of Residual Solvents in Pharmaceutical Bulks, on Capillary Gas Chromatography
K. Urakami, C. Kobayashi, Y. Miyazaki, K. Nishijima, Y. Yoshimura, and K. Hashimoto 1299
- Direct Identification of a Novel Disulfide Bond Linkage System of New Isolated Isomer (Isomer V) in Recombinantly Produced h-IGF-I
M. Iwai, H. Yokoyama, H. Yamada, M. Niwa, and M. Kobayashi 1304
- Structure-Activity Relationship of Orally Potent Tripeptide-Based HIV Protease Inhibitors Containing Hydroxymethylcarbonyl Isostere
T. Mimoto, N. Hattori, H. Takaku, S. Kisanuki, T. Fukazawa, K. Terashima, R. Kato, S. Nojima, S. Misawa, T. Ueno, J. Imai, H. Enomoto, S. Tanaka, H. Sakikawa, M. Shintani, H. Hayashi, and Y. Kiso 1310
- Bioactive Constituents of Chinese Natural Medicines. V. Radical Scavenging Effect of Moutan Cortex. (1): Absolute Stereostructures of Two Monoterpenes, Paeonisuffrone and Paeonisuffral
M. Yoshikawa, T. Ohta, A. Kawaguchi, and H. Matsuda 1327
- The Synthesis and Human FP Receptor Binding Affinity of 13,14-Dihydro Prostaglandin F_{1α} Sulfonamides: Potential Treatments for Osteoporosis
Y. Wang, D. L. Soper, M. J. Dirr, M. A. deLong, B. De, and J. A. Wos 1332
- Convenient Synthesis of α-Trifluoromethylated Acyloins from α-Hydroxy or α-Amino Acids
M. Kawase, S. Saito, and T. Kurihara 1338
- Notes**
- Taxane Diterpenoids from Seeds of *Taxus mairei*
Y.-C. Shen, C.-Y. Chen, and M.-C. Hung 1344
- A New 3,4-*seco*-Ursane Triterpenoid from *Glyptopetalum sclerocarpum*
U. Sotanaphun, R. Suttisri, V. Lipipun, and R. Bavovada 1347
- Spirostanol Sapogenins from the Underground Parts of *Tupistra chinensis*
W.-B. Pan, F.-R. Chang, and Y.-C. Wu 1350
- Benzophenone C-Glucosides from *Polygala telephioides*
J.-C. Li and T. Nohara 1354
- Structures of New Ceramides from the Fruit Bodies of *Grifola frondosa*
Y. Yaoita, T. Ishizuka, R. Kakuda, K. Machida, and M. Kikuchi 1356
- Synthesis of 19-Oxygenated 4β,5β-Epoxy Derivatives of 16α-Hydroxyandrostenedione as Mechanistic and Catalytic Probes for Aromatase Reaction
M. Numazawa and A. Yoshimura 1359
- Preparation of *N'*-[2-(5,6-Dimethylbenzothiazolyl)]-*N*-furfuryloxamide with Plant Growth Regulatory Activity
T. Kitagawa and C. Tsutsui 1363
- A New Anti-HIV Triterpene from *Geum japonicum*
H.-X. Xu, D.-S. Ming, H. Dong, and P. P.-H. But 1367
- Synthetic Studies of Zoanthamine/Norzoanthamine: Biogenetic-like One-Step Construction of the Heterocyclic Amino Core (CDEFG Ring) from a Monocyclic Precursor
N. Hikage, H. Furukawa, K. Takao, and S. Kobayashi 1370
- A New Acylated Isoflavone Glucoside from *Pterocarpus santalinus*
K. S. Krishnaveni and J. V. Srinivasa Rao 1373
- Chemical Studies on the Philippine Crude Drug Calumbibit (Seeds of *Caesalpinia bonduc*): The Isolation of New Cassane Diterpenes Fused with α,β-Butenolide
T. Kinoshita 1375
- Re-examination of the Anodic Oxidation of *N,N*-Dimethylaniline, Using Parametric Method 3
T. Michida, E. Osawa, and Y. Yamaoka 1378
- Synthesis of [1]Benzopyrano[2,3,4-*kl*]acridin-3-ol and Its Analogues as Pentacyclic Compounds
H. Fujiwara and K. Kitagawa 1380
- A Novel Method of Preparing Amine-Modifying C-4' Oxidized Nucleotide
M. Aso, K. Ryuo, M. Kondo, and H. Suemune 1384
- Synthesis and Anti-HIV Activity of 3-Alkylamido-3-deoxy-betulinic Acid Derivatives
Y. Kashiwada, J. Chiyo, Y. Ikeshiro, T. Nagao, H. Okabe, L. M. Cosentino, K. Fowke, S. L. Morris-Natschke, and K.-H. Lee 1387
- Synthesis of 9Z-9-Substituted Retinoic Acids by Palladium Catalyzed Coupling Reaction of a Vinyl Triflate with Alkenyl Stannanes
A. Wada, Y. Nomoto, K. Tano, E. Yamashita, and M. Ito 1391
- First Synthesis of a α-Trifluoromethyl Allenol Ether *via* the Julia-Lythgoe Process
M. Yoshimatsu and M. Hibino 1395
- Number 10**
Memorial to Dr. Kyosuke Tsuda
- Scientific Contribution by Prof. Tsuda
N. Ikekawa viii
- Review**
- Recent Bioorganic Studies on Rhodopsin and Visual Transduction
K. Nakanishi 1399
- Regular Articles**
- A New Gluco Indole Alkaloid, 3, 4-Dehydro-5-carboxystrictosidine, from Peruvian Uña de Gato (*Uncaria tomentosa*)
M. Kitajima, K. Hashimoto, M. Yokoya, H. Takayama, N. Aimi, and S. Sakai 1410
- Ardisimamillosides C—F, Four New Triterpenoid Saponins from *Ardisia mamillata*
J. Huang, Y. Ogihara, H. Zhang, N. Shimizu, and T. Takeda 1413
- Five Lanostane Triterpenoids and Three Saponins from the Fruit Body of *Laetiporus versisporus*
K. Yoshikawa, K. Matsumoto, C. Mine, S. Bando, and S. Arihara 1418
- A New Pentanorlanostane Derivative, Cladosporide A, as a Characteristic Antifungal Agent against *Aspergillus fumigatus*, Isolated from *Cladosporium* sp.
T. Hosoe, H. Okada, T. Itabashi, K. Nozawa, K. Okada, G. M. de C. Takaki, K. Fukushima, M. Miyaji, and K. Kawai 1422
- Oleanane Acid from *Myrica cerifera*
M. Nagai, N. Sakurai, N. Yumoto, S. Nagumo, and S. Seo 1427
- Medicinal Foodstuffs. XX. Vasorelaxant Active Constituents from the Roots of *Angelica furcijuga* KITAGAWA: Structures of Hyuganins A, B, C, and D
H. Matsuda, T. Murakami, N. Nishida, T. Kageura, and M. Yoshikawa 1429
- Immunomodulatory Constituents from an Ascomycete, *Emericella aurantio-brunnea*
H. Fujimoto, E. Nakamura, E. Okuyama, and M. Ishibashi 1436
- Argadin, a New Chitinase Inhibitor, Produced by *Clonostachys* sp. FO-7314
N. Arai, K. Shiomi, Y. Yamaguchi, R. Masuma, Y. Iwai, A. Turberg, H. Kölbl, and S. Ōmura 1442
- Colopsinols D and E, New Polyhydroxyl Linear Carbon Chain Compounds from Marine Dinoflagellate *Amphidinium* sp.
T. Kubota, M. Tsuda, M. Takahashi, M. Ishibashi, S. Oka, and J. Kobayashi 1447
- Isolation and Characterization of Bioactive Metabolites from Marine-Derived Filamentous Fungi Collected from Tropical and Sub-Tropical Coral Reefs
M. Namikoshi, H. Kobayashi, T. Yoshimoto, S. Meguro, and K. Akano 1452
- Biochemical and Partial Molecular Characterization of Bitter and

- Sweet Forms of *Lupinus angustifolius*, an Experimental Model for Study of Molecular Regulation of Quinolizidine Alkaloid Biosynthesis
M. Y. Hirai, H. Suzuki, M. Yamazaki, and K. Saito 1458
- Determination of α -Tocopherol and α -Tocopherylquinone in Rat Tissues and Plasma by High-Performance Liquid Chromatography with Electrochemical Detection
H. Kanazawa, C. Miyata, Y. Nagata, S. Urano, and Y. Matsushima 1462
- Antioxidant Activity of Eugenol and Related Monomeric and Dimeric Compounds
M. Ogata, M. Hoshi, S. Urano, and T. Endo 1467
- Synthesis of NG-061 and Its Analogs, and Their Biological Evaluation as an Enhancer of Nerve Growth Factor
T. Eguchi, S. Kanai, K. Kakinuma, T. Okazaki, and K. Mizoue 1470
- Synthesis of 15 α -Fluoro-24,25-dihydrolanosterol as a Potential Inhibitor and/or Mechanistic Probe for Lanosterol 14 α -Demethylase
M. Morisaki, T. Igata, and S. Yamamoto 1474
- Synthesis of 3-*epi*-6,7-Dideoxyxestobergsterol A
Y. Kaji, T. Koami, A. Nakamura, and Y. Fujimoto 1480
- Synthesis of (10Z)- and (10E)-19-Fluoro-1 α ,25-dihydroxyvitamin D₃: Compounds to Probe Vitamin D Conformation in Receptor Complex by ¹⁹F-NMR
M. Shimizu, Y. Iwasaki, A. Ohno, and S. Yamada 1484
- α -Glucosidase Inhibitors with a Phthalimide Skeleton: Structure-Activity Relationship Study
H. Takahashi, S. Sou, R. Yamasaki, M. Sodeoka, and Y. Hashimoto 1493
- Synthesis and Properties of Novel Bifunctional Nitrosamines with ω -Chloroalkyl Groups
S. Ishikawa, N. Saitoh, and M. Mochizuki 1500
- Retinoidal Pyrimidinecarboxylic Acids. Unexpected Diaza-Substituent Effects in Retinobenzoic Acids
K. Ohta, E. Kawachi, N. Inoue, H. Fukasawa, Y. Hashimoto, A. Itai, and H. Kagechika 1504
- Superoxide Dismutase Activity of Iron(II)TPEN Complex and Its Derivatives
M. Tamura, Y. Urano, K. Kikuchi, T. Higuchi, M. Hirobe, and T. Nagano 1514
- Lipase-Catalyzed Asymmetric Desymmetrization of Prochiral 2,2-Disubstituted 1,3-Propanediols Using 1-Ethoxyvinyl Benzoate
S. Akai, T. Naka, Y. Takebe, and Y. Kita 1519
- Cleavage of S-S Bond by Nitric Oxide (NO) in the Presence of Oxygen: A Disproportionation Reaction of Two Disulfides
N. Tsutsumi, T. Itoh, and A. Ohsawa 1524
- Rate Enhancement with High Ratio of the Monoalkylated Product to the Dialkylated Product in the Alkylation of the Lithium Enolate of 1-Tetralone with Reactive Alkyl Halides
M. Goto, K. Akimoto, K. Aoki, M. Shindo, and K. Koga 1529
- Hydroxylation of Nitrated Naphthalenes with KO₂/Crown Ether
K. Fukuhara, Y. Hara, I. Nakanishi, and N. Miyata 1532
- Insight into Acid-Mediated Asymmetric Spirocyclization in the Presence of a Chiral Diol
T. Kiguchi, Y. Tsurusaki, S. Yamada, M. Aso, M. Tanaka, K. Sakai, and H. Suemune 1536
- Sterically Constrained 'Roofed' 2-Thiazolidinones as Excellent Chiral Auxiliaries
S. Hoshimoto, H. Matsunaga, and T. Kunieda 1541
- Construction of an Enantiomerically Pure 6-Substituted 3,5-*syn*-Dihydroxyhexanoic Acid System by an Enantioselective Deprotonation Strategy: Formal Synthesis of an Antiobesity Agent, (-)-Tetrahydrolipstatin
T. Honda, K. Endo, and S. Ono 1545
- A Practical Synthesis of the ABC Ring Model of Ecteinasidins
N. Saito, M. Tachi, R. Seki, H. Kamayachi, and A. Kubo 1549
- Preparation of Benzene, Furan, and Thiophene Analogs of Duocarmycin SA Employing a Newly-Devised Phenol-Forming Reaction
H. Muratake, A. Hayakawa, and M. Natsume 1558
- Enantioselective Synthesis of the Key Intermediate of the Acyl-CoA: Cholesterol Acyltransferase (ACAT) Inhibitor (R-106578) Using 2,2'-Bis(diphenylphosphino)-1,1'-binaphthyl (BINAP)-Ru(OAc)₂ as a Catalyst
M. Murakami, K. Kobayashi, and K. Hirai 1567
- Total Synthesis of Polyamine Toxin HO-416b and Agel-489 Using a 2-Nitrobenzenesulfonamide Strategy
Y. Hidai, T. Kan, and T. Fukuyama 1570
- Controlling Factors in Chiral Bisoxazoline-Catalyzed Asymmetric Lithium Ester Enolate-Imine Condensation Producing a β -Lactam
T. Kambara and K. Tomioka 1577
- Preparation of Novel Synthons, Uniquely Functionalized Tetrahydrofuran and Tetrahydropyran Derivatives
M. Nakada, M. Takano, and Y. Iwata 1581
- A Catalytic Asymmetric Strecker-Type Reaction Promoted by Lewis Acid-Lewis Base Bifunctional Catalyst
M. Takamura, Y. Hamashima, H. Usuda, M. Kanai, and M. Shibasaki 1586
- Construction of Chiral 1,2-Cycloalkano-pyrrolidines from L-Proline Using Ring Closing Metathesis (RCM)
M. Arisawa, M. Takahashi, E. Takezawa, T. Yamaguchi, Y. Torisawa, A. Nishida, and M. Nakagawa 1593
- Number 11**
- Regular Articles**
- Novel Cycloartane Saponins from *Corchorus depressus* L.
V. U. Ahmad, A. Ali, Z. Ali, F. N. Zafar, and M. Zahid 1597
- Chemical States and Lattice Dynamics of α -Diimine Fe²⁺ Complexes Intercalated into γ -Zirconium Phosphate
K. Endo, I. Saito, C. Honda, K. Matsumoto, Y. Kanzaki, and M. Katada 1602
- Human Intestinal Bacteria Capable of Transforming Secoisolariciresinol Diglucoside to Mammalian Lignans, Enterodiols and Enterolactone
L.-Q. Wang, M. R. Meselhy, Y. Li, G.-W. Qin, and M. Hattori 1606
- Synthesis of New Cardioselective M₂ Muscarinic Receptor Antagonists
G. R. Mandelli, S. Maiorana, P. Terni, G. Lamperti, M. L. Colibretti, and B. P. Imbimbo 1611
- Release of Nortriptyline Hydrochloride from Oil-Water Microemulsions
M. A. Moreno, P. Frutos, M. P. Ballesteros, J. L. Lastres, and D. Castro 1623
- Anti-cancer Activities of Pyrazolo[1,5-*a*]indole Derivatives
H. Katayama, Y. Kiryu, K. Kaneko, and R. Ohshima 1628
- NO-Mediated Aromatic Nitration during Decomposition of Phenolic S-Nitrosothiols in Non-Aqueous Aerobic Medium
C. Petit, V. Bernardes-Génisson, P. Hoffmann, J.-P. Souchard, and S. Labidalle 1634
- Study of the Melt Pelletization Process Focusing on the Micromeritic Property of Pellets
T. W. Wong, L. W. Chan, and P. W. S. Heng 1639
- Highly Potent and Orally Active Non-Peptide Arginine Vasopressin Antagonists for Both V_{1A} and V₂ Receptors: Synthesis and Pharmacological Properties of 4'-[(4,4-Difluoro-5-methylidene-2,3,4,5-tetrahydro-1H-1-benzazepin-1-yl)carbonyl]-2-phenylbenzanilide Derivatives
Y. Shimada, N. Taniguchi, A. Matsuhisa, K. Sakamoto, T. Yatsu, and A. Tanaka 1644
- Molecular Orbital Studies on Pericyclic Reactions of Cinnamyl Xanthates in β -Cyclodextrin Cavities
M. Eto, S. Kubota, H. Nakagawa, Y. Yoshitake, and K. Harano 1652
- Difference Spatial Distribution Function Analysis of Aqueous Solutions. IV. Hydration Structure Changes of Ethylene Glycol Solutions throughout Conformational Change Process from gGg' to tGg' Conformers
T. Hata and Y. Ono 1660
- Studies on 8-Methoxyquinolones: Synthesis and Antibacterial Activity of 7-(3-Amino-4-substituted)pyrrolidinyl Derivatives
K. Kawakami, H. Takahashi, H. Ohki, K. Kimura, S. Miyauchi, R. Miyauchi, and M. Takemura 1667
- Medicinal Foodstuffs. XIX. Absolute Stereostructures of Canavalioides, a New *Ent*-Kaurane-Type Diterpene Glycoside, and Gladiatoids A₁, A₂, A₃, B₁, B₂, B₃, C₁, and C₂, New Acylated Flavonol Gly-

- cosides, from Sword Bean, the Seeds of *Canavalia gladiata*
T. Murakami, K. Kohno, A. Kishi, H. Matsuda, and
M. Yoshikawa 1673
- Chemical Modification of Oleanene Type Triterpenes and Their Inhibitory Activity against HIV-1 Protease Dimerization
C. Ma, N. Nakamura, and M. Hattori 1681
- A Novel Class of Inhibitors for Human and Rat Steroid 5 α -Reductases: Synthesis and Biological Evaluation of Indoline and Aniline Derivatives. III
S. Igarashi, H. Inami, H. Hara, H. Koutoku, H. Oritani, and
T. Mase 1689
- Effects of *n*-Alkyltrimethylammonium on Skin Permeation of Benzoic Acid through Excised Guinea Pig Dorsal Skin
S. Kitagawa, M. Kasamaki, and A. Ikarashi 1698
- Screening Search for Organic Fluorophores: Syntheses and Fluorescence Properties of 3-Azoly-7-diethylaminocoumarin Derivatives
H. Takechi, Y. Oda, N. Nishizono, K. Oda, and M. Machida 1702
- Constituents of the Vietnamese Medicinal Plant *Orthosiphon stamineus*
Y. Tezuka, P. Stampoulis, A. H. Banskota, S. Awale, K. Q. Tran,
I. Saiki, and S. Kadota 1711
- Bioactive Saponins and Glycosides. XVII. Inhibitory Effect on Gastric Emptying and Accelerating Effect on Gastrointestinal Transit of Tea Saponins: Structures of Assamsaponins F, G, H, I, and J from the Seeds and Leaves of the Tea Plant
T. Murakami, J. Nakamura, T. Kageura, H. Matsuda, and
M. Yoshikawa 1720
- A New Type of Stilbene-Related Secondary Metabolite, Idenburgene, from *Cryptocarya idenburgensis*
L. D. Juliawaty, M. Kitajima, H. Takayama, S. A. Achmad, and
N. Aimi 1726
- [2-(*o*-Phenylalkyl)phenoxy]alkylamines III: Synthesis and Selective Serotonin-2 Receptor Binding (2)
N. Tanaka, R. Goto, R. Ito, M. Hayakawa, A. Sugidachi,
T. Ogawa, F. Asai, and K. Fujimoto 1729
- Amino Acids and Peptides. XXXV. Facile Preparation of *p*-Nitroanilide Analogs by the Solid-Phase Method
K. Hojo, M. Maeda, S. Iguchi, T. Smith, H. Okamoto, and
K. Kawasaki 1740
- An Alternative Base-Pairing of Catechol-Bearing Nucleosides by Borate Formation
H. Cao, K. Tanaka, and M. Shionoya 1745
- Optically Active *N*-Acetyldopamine Dimer of the Crude Drug "Zentai," the Cast-off Shell of the Cicada, *Cryptotympana* sp.
N. Noda, S. Kubota, Y. Miyata, and K. Miyahara 1749
- Total Synthesis of Prostaglandin F_{2 α} Using Nickel-Catalyzed Stereoselective Cyclization of 1,3-Diene and Tethered Aldehyde via Transmetalation of Nickelacycle with Diisobutylaluminum Acetylacetonate
Y. Sato, M. Takimoto, and M. Mori 1753
- Studies on the Synthesis of Myriaporones: Stereoselective Synthesis of the C5-C13 Fragment Starting from D-Glucose via Regioselective Reductive Opening of Methoxybenzylidene Acetal
B.-Z. Zheng, M. Yamauchi, H. Dei, and O. Yonemitsu 1761
- Notes**
- A New Cyanogenic Glycoside from *Sorbaria sorbifolia* var. *stellipila*
D. K. Kim and O. P. Zee 1766
- Phenylpropanoids from *Umbilicus pendulinus*
L. Viorneri, C. Saliba, J. B. Daskiewicz, C. Bayet, G. Comte,
B. Fenet, G. Gutierrez, and D. Barron 1768
- A Novel β -Glucuronidase Inhibiting Triterpenoid from *Paeonia emodi*
H. R. Nawaz, A. Malik, P. M. Khan, S. Shujaat, and A. Rahman 1771
- A Novel Bisnorditerpenelactone from *Mikania hirsutissima*
E. Ohkoshi, M. Makino, and Y. Fujimoto 1774
- Synthesis and Cytotoxic Activity of a Series of Diacetylenic Compounds Related to Falcarindiol
W. N. Setzer, X. Gu, E. B. Wells, M. C. Setzer, and
D. M. Moriarity 1776
- Synthesis and Antitumor Activity of Benzimidazolyl-1,3,5-triazine and Benzimidazolylpyrimidine Derivatives
T. Matsuno, M. Kato, H. Sasahara, T. Watanabe, M. Inaba,
M. Takahashi, S. Yaguchi, K. Yoshioka, M. Sakato, and
S. Kawashima 1778
- Dissolution Profiles of Principal Ingredients in Kampo Medicinal Powders by High-Performance Liquid Chromatography
N. Okamura, T. Maki, S. Ishida, C. Uruguchi, Y. Onishi,
E. Sadasue, Y. Tsuruta, and A. Yagi 1782
- Inhibitory Effects of 2'-Hydroxychalcones on Rat Lens Aldose Reductase and Rat Platelet Aggregation
S. S. Lim, S. H. Jung, J. Ji, K. H. Shin, and S. R. Keum 1786
- Enantiomeric Separation by Cyclodextrin Modified Capillary Zone Electrophoresis (CD-CZE) of Quaternary Tetrahydroprotoberberine Alkaloids
J. Koyama, I. Morita, A. Kino, K. Iwasa, and K. Tagahara 1790
- Structural Features of an Anti-diabetic Polysaccharide (TAP) from *Tremella aurantia*
T. Kiho, T. Kobayashi, H. Morimoto, S. Usui, S. Ukai, K. Hirano,
K. Aizawa, and T. Inakuma 1793
- A New Caffeoyl Quinic Acid from *Aster scaber* and Its Inhibitory Activity against Human Immunodeficiency Virus-1 (HIV-1) Integrase
H. C. Kwon, C. M. Jung, C. G. Shin, J. K. Lee, S. U. Choi,
S. Y. Kim, and K. R. Lee 1796
- Reductive Dimerization of Alkylidenemalonates Using Samarium(II) Diiodide and ¹H-NMR Behavior of the Dimers, 2,3-Diaryl-1,1,4,4-butanetetracarboxylates
M. Yamashita, K. Okuyama, I. Kawasaki, S. Nakamura,
R. Nagamine, T. Tsujita, and S. Ohta 1799
- Glycosidic Constituents from *in Vitro* *Anoectochilus formosanus*
X.-M. Du, N.-Y. Sun, N. Irino, and Y. Shoyama 1803
- Isolation of a Potent Anti-MRSA Sesquiterpenoid Quinone from *Ulmus davidiana* var. *japonica*
D.-Y. Shin, H.-S. Kim, K.-H. Min, S.-S. Hyun, S.-A. Kim, H.
Huh, E.-C. Choi, Y. H. Choi, J. Kim,
S.-H. Choi, W.-B. Kim, and Y.-G. Suh 1805
- Effects of Application Voltage and Cathode and Anode Positions at Electroporation on the *in Vitro* Permeation of Benzoic Acid through Hairless Rat Skin
M. Yoshida, K. Mori, T. Watanabe, T. Hasegawa, and
K. Sugibayashi 1807
- Preparation of 2,2'-Dihydroxytriphenylmethanes Using Metal Phenolates with Aromatic Aldehydes
N. Mibu and K. Sumoto 1810
- Synthesis of Isoquinoline Derivatives by Diels-Alder Reactions of 2(1*H*)-Pyridones Having an Electron-withdrawing Group with Methoxy-1,3-butadienes
R. Fujita, M. Hoshino, H. Tomisawa, and H. Hongo 1814
- Clerodane-type Diterpenoids from the Japanese Liverwort *Jungermannia infusca* (MITT.) STEPH.
F. Nagashima, M. Suzuki, S. Takaoka, and Y. Asakawa 1818
- Application of Rh-Catalyzed Cyclization to the Formation of a Chiral Quaternary Carbon
M. Takahashi, M. Tanaka, E. Sakamoto, M. Imai, K. Funakoshi,
K. Sakai, and H. Suemune 1822
- Two Novel Actinidine-Type Monoterpene Alkaloids from *Incarvillea delavayi*
M. Nakamura, K. Kido, J. Kinjo, and T. Nohara 1826
- Preparation and Characterization of Acrylic Hydrogels Neutralized by Basic Amino Acids
T. Uchida, Y. Toida, Y. Miyanaga, K. Machida, K. Wada,
T. Ohki, and K. Matsuyama 1828
- Communications to the Editor**
- Catalytic Activity of Anion-Exchange Resins Modified with Metal-Porphine in Oxidative Reactions of Phenols
A. Iwado, M. Mifune, J. Kato, J. Oda, M. Chikuma,
N. Motohashi, and Y. Saito 1831
- First Total Synthesis of Mytiloxanthin
C. Tode, Y. Yamano, and M. Ito 1833
- Three-Dimensional Structure-Activity Relationship Analysis between Motilin and Motilide Using Conformational Analysis and a Novel Molecular Superposing Method

H. Gouda, T. Sunazuka, S. Ōmura, and S. Hirono	1835	Structure-Affinity Relationships of C-Terminal Cyclic Analogue of Neuropeptide Y for the Y ₁ -Receptor	
Aldol Reaction of Enol Esters Catalyzed by Cationic Species Paired with Tetrakis(pentafluorophenyl)borate		Y. Takebayashi, H. Koga, J. Togami, A. Inui, H. Kurihara, T. Furuya, A. Tanaka, and K. Murase	1925
M. Yanagisawa, T. Shimamura, D. Iida, J. Matsuo, and T. Mukaiyama	1838	Constituents of a Fern, <i>Diplazium subsinuatum</i> . III. Four New Hopane-Triterpene Lactone Glycosides	
Chemiluminescence-HPLC for the Assay of Guanidino Compounds		Y. Inatomi, A. Inada, H. Murata, M. Nishi, and T. Nakanishi	1930
Y. Nohara, T. Hanai, T. Kinoshita, and M. Watanabe	1841	Optically Active Antifungal Azoles. X. Synthesis and Antifungal Activity of <i>N</i> -[4-(Azolyl)phenyl]- and <i>N</i> -[4-(Azolylmethyl)phenyl]- <i>N'</i> -[(1 <i>R</i> ,2 <i>R</i>)-2-(2,4-difluorophenyl)-2-hydroxy-1-methyl-3-(1 <i>H</i> -1,2,4-triazol-1-yl)propyl]azolones	
Quantitative Evaluation of the Bitterness of Commercial Medicines Using a Taste Sensor		T. Kitazaki, T. Ichikawa, A. Tasaka, H. Hosono, Y. Matsushita, R. Hayashi, K. Okonogi, and K. Itoh	1935
T. Uchida, Y. Miyanaga, H. Tanaka, K. Wada, S. Kurosaki, T. Ohki, M. Yoshida, and K. Matsuyama	1843	Optically Active Antifungal Azoles. XI. An Alternative Synthetic Route for 1-[(1 <i>R</i> ,2 <i>R</i>)-2-(2,4-Difluorophenyl)-2-hydroxy-1-methyl-3-(1 <i>H</i> -1,2,4-triazol-1-yl)propyl]-3-[4-(1 <i>H</i> -1-tetrazolyl)phenyl]-2-imidazolidinone (TAK-456) and Its Analog	
Number 12		T. Ichikawa, T. Kitazaki, Y. Matsushita, H. Hosono, M. Yamada, M. Mizuno, and K. Itoh	1947
Regular Articles		Novel Enantioselective Fluorinating Agents, (<i>R</i>)- and (<i>S</i>)- <i>N</i> -Fluoro-3- <i>tert</i> -butyl-7-nitro-3,4-dihydro-2 <i>H</i> -benzo[<i>e</i>][1,2]thiazine 1,1-Dioxides	
An Efficient Synthesis of 5-Bromo-2-methoxy-6-methylaminopyridine-3-carboxylic Acid		N. Shibata, Z. Liu, and Y. Takeuchi	1954
Y. Hirokawa, T. Horikawa, and S. Kato	1847	Four New Stilbenoid <i>C</i> -Glucosides Isolated from the Stem Bark of <i>Shorea hemsleyana</i>	
Synthesis of Methoxy-2-quinolones <i>via</i> Pummerer-type Cyclization of <i>N</i> -Aryl- <i>N</i> -methyl-3-(phenylsulfanyl)propionamides		T. Ito, T. Tanaka, Y. Ido, K. Nakaya, M. Iinuma, and S. Riswan	1959
J. Toda, M. Sakagami, Y. Goan, M. Simakata, T. Saitoh, Y. Horiguchi, and T. Sano	1854	Development of Potent and Selective Plasmin and Plasma Kallikrein Inhibitors and Studies on the Structure-Activity Relationship	
Four New Compounds, Ficusal, Ficusquiligian A, B, and Ficusolide Diacetate from the Heartwood of <i>Ficus microcarpa</i>		Y. Okada, Y. Tsuda, M. Tada, K. Wanaka, U. Okamoto, A. Hijikata-Okunomiya, and S. Okamoto	1964
Y.-C. Li and Y.-H. Kuo	1862	Hydrophobicity Parameters Determined by Reversed-Phase Liquid Chromatography. XIV. Application of a New Hydrogen-accepting Scale of Monosubstituted Pyrazines to Analysis of the Relationship between Octanol-Water Partition Coefficients and Retention Factors Measured in Different Mobile Phases	
Models to Predict Solubility in Ternary Solvents Based on Sub-binary Experimental Data		C. Yamagami and M. Haraguchi	1973
A. Jouyban-Gharamaleki, B. J. Clark, and W. E. Acree, Jr.	1866	New Strong Fibrates with Piperidine Moiety	
Synthesis and <i>in Vitro</i> Cytotoxic Evaluation of <i>N</i> -Substituted Benzo[5,6]cyclohepta[<i>b</i>]indoles		T. Komoto, H. Hirota, M. Otsuka, J. Kotake, S. Hasegawa, H. Koya, S. Sato, and T. Sakamoto	1978
B. Joseph, D. Alagille, J.-Y. Mérour, and S. Léonce	1872	Notes	
Development of Spherical Crystals of Acetylsalicylic Acid for Direct Tablet-making		Complex Formation of Cyclomaltonaose δ -Cyclodextrin (δ -CD) with Macrocylic Compounds	
H. Göcző, P. Szabó-Révész, B. Farkas, M. Hasznos-Nezdei, S. F. Serwanis, K. Pintye-Hódi, P. Kása, Jr., I. Erős, I. Antal, and S. Marton	1877	H. Akasaka, T. Endo, H. Nagase, H. Ueda, and S. Kobayashi	1986
Mechanochemical Solid-State Polymerization (X): The Influence of Copolymer Structure in Copolymeric Prodrugs on the Nature of Drug Release		Two New Alkaloids from Cigarette Smoke Condensate	
S. Kondo, I. Hatakeyama, S. Hosaka, and M. Kuzuya	1882	Y. S. Yun, N. Sugimoto, S. Sekita, T. Maitani, T. Yamada, and M. Satake	1990
New Potential Antimalarial Agents: Synthesis and Biological Activities of Original Diaza-analogs of Phenanthrene		A Novel Anti-HBeAg Homolignan, Taiwanschirin D from <i>Kadsura matsudai</i>	
A. D. Yapi, M. Mustofa, A. Valentin, O. Chavignon, J.-C. Teulade, M. Mallie, J.-P. Chapat, and Y. Blache	1886	S.-Y. Li, M.-D. Wu, C.-W. Wang, Y.-H. Kuo, R.-L. Huang, and K.-H. Lee	1992
Thermal-Dependent Dehydration Process and Intramolecular Cyclization of Lisinopril Dihydrate in the Solid State		A New Flavonol Glycoside from the Aerial Parts of <i>Astragalus vulneraria</i>	
S.-L. Wang, S.-Y. Lin, and T.-F. Chen	1890	E. Bedir, I. Çalis, S. Piacente, C. Pizza, and I. A. Khan	1994
Determination of Residual Solvents in Bulk Pharmaceuticals by Thermal Desorption/Gas Chromatography/Mass Spectrometry		Microbial Transformation of Kawain and Methysticin	
K. Urakami, Y. Saito, Y. Fujiwara, C. Watanabe, K. Umemoto, M. Godo, and K. Hashimoto	1894	E. A. Abourashed and I. A. Khan	1996
A New Synthesis of Indoloquinolizines by Pictet-Spengler Reaction of Tryptamine Type 1,2-Dihydropyridines Utilizing <i>sec</i> -Nitrodienamine		Trifluoromethanesulfonic Anhydride-Promoted α -Bromination of Ketones with Grignard Reagent or Magnesium Bromide	
T. Koike, Y. Shinohara, S. Tobinaga, and N. Takeuchi	1898	T. Nishiyama, Y. Ono, S. Kurokawa, and S. Kimura	1999
Asymmetric Synthesis and Determination of the Absolute Configuration of FK584, an Agent for the Treatment of Overactive Detrusor		Synthesis and Evaluation of Novel 2-Oxo-1,2-dihydro-3-quinolinecarboxamide Derivatives as Serotonin 5-HT ₄ Receptor Agonists	
K. Take, K. Okumura, K. Tsubaki, K. Taniguchi, and Y. Shiokawa	1903	M. Suzuki, Y. Ohuchi, H. Asanuma, T. Kaneko, S. Yokomori, C. Ito, Y. Isobe, and M. Muramatsu	2003
5,11-Epoxymegastigmanes from the Leaves of <i>Asclepias fruticosa</i>		Two New 3-Methoxy-4-quinolone Alkaloids from the Bark of <i>Sarcomelicope megistophylla</i>	
F. Abe and T. Yamauchi	1908	N. Fokialakis, P. Magiatis, S. Mitaku, F. Tillequin, and T. Sévenet	2009
New Access to 7,17- <i>seco</i> Norditerpenoid Alkaloids <i>via</i> Reduction of the Corresponding 8-Chloro Derivatives		Chemiluminescence Characteristics of <i>N</i> -(4-Substituted Benzyl)isoluminol	
F.-P. Wang, J.-S. Yang, Q.-H. Chen, L. Yu, and B.-G. Li	1912	K. Todoroki, Y. Ohba, and K. Zaitso	2011
Novel <i>A</i> - <i>seco</i> -Rearranged Lanostane Triterpenoids from <i>Abies sachalinensis</i>		Conformational Difference between Mono- and Diprotonated <i>cis</i> -2,5-	
M. Kuroyanagi, K. Sugiyama, M. Kanazawa, and N. Kawahara	1917		
Pharmacokinetic Disposition of Polyethylene Glycol-Modified Salmon Calcitonins in Rats			
S. D. Yoo, H. Jun, B. S. Shin, H. S. Lee, M. O. Park, P. P. DeLuca, and K. C. Lee	1921		

Diphenylpiperazinium Salts in the Solid State

K. Takasu, H. Miyamoto, K. Tanaka, T. Taga, M. Bando, and
K. Fuji 2014

Communications to the Editor

Stereocontrolled Synthesis of Optically Active β -D-Glucopyranosides
of 3-Hydroxy-7,8-didehydro- β -ionol
Y. Yamano, Y. Watanabe, N. Watanabe, and M. Ito 2017

- (A)
- Abdallah, A. M.41
- Abe, Fumiko
.....154, 991, 1017, 1090, 1908
- Abe, Hitoshi861
- Abourashed, Ehab A.45, 1996
- Achiwa, Kazuo32, 308
- Achmad, Sjamsul Arifin1726
- Ackermann, Karen740
- Acree, Jr., William E.1866
- Adachi, Tsutomu366
- Adikwu, Michael U.734
- Adnyana, I Ketut1114
- Aga, Yasuhiro1286
- Ahmad, Viqar Uddin1597
- Ahsan, Fakhrul793
- Aimi, Norio1410, 1726
- Aizawa, Koichi1793
- Akai, Shuji1519
- Akaizawa, Takashi1034
- Akano, Kyoko1452
- Akasaka, Hiroki1986
- Akihisa, Toshihiro1187
- Akimoto, Hiroshi1270
- Akimoto, Koh-ichi1529
- Akimoto, Toshio467
- Akita, Hiroyuki272, 1176
- Akiyama, Toshihiko861
- Akiyama, Toshiyuki389, 505
- Akiyama, Toshiyuki1219
- Akkaramongkolporn, Prasert231
- Alagille, David1872
- Alam, M. Nur-e738
- Alevisopoulos, Giorgos743
- Ali, Akbar1597
- Ali, Zulfiqar1597
- Aliannis, Nectarios150
- Allais, Daovy P.281
- Allouchi, Hassan935
- Amemiya, Keiko749
- Ando, Akira683, 1023
- Antal, István1877
- Anzai, Kinsei366
- Aoki, Kazumasa571, 1529
- Aoki, Shinji140
- Aoyama, Yuri60
- Araho, Daisuke142
- Arai, Noriko1442
- Arihara, Shigenobu1093, 1418
- Arima, Hidetoshi646, 1125
- Arisawa, Mitsuhiro1593
- Asai, Fumitoshi245, 1729
- Asai, Yasuyuki947
- Asakawa, Yoshinori1818
- Asanuma, Hajime2003
- Aso, Mariko1384, 1536
- Aso, Yukio283
- Atassi, Ghanem150
- Athanaselis, Sotiris743
- Attama, Anthony A.734
- Awale, Suresh1114, 1711
- (B)
- Baba, Kimiye1246
- Badarchiin, T.738
- Bae, Sung Yong1138
- Baek, Nam In614
- Ballard, C. Eric238
- Ballesteros, M^a Paloma1623
- Bando, Masahiko547
- Bando, Masahiko2014
- Bando, Shinya1418
- Banskota, Arjun Hari
.....496, 1114, 1711
- Barra, Jerome179
- Barron, Denis1768
- Bavovada, Rapepol1347
- Bayet, Christine1768
- Bedir, Erdal425, 1081, 1994
- Bekheit, Magdy M.266, 914
- Benamour, Khalid729
- Bernardes Génisson, Vania
.....893, 1634
- Blache, Yves1886
- Bohgaki, Takako433
- Borchardt, Ronald T.238
- Brain, Anthony167
- Bratoeff, Eugene A.1249
- Bustamante, Pilar175, 179
- But, Paul Pui-Hay1087, 1367
- (C)
- Cabeza, M.1249
- Cai, Jianping1034
- Çalis, Ihsan1081, 1994
- Campos Takaki, Galba Maria de
.....1422
- Cao, Honghua1745
- Casalderrey, Marta458
- Castro, David1623
- Champavier, Yves281
- Chan, Lai Wah393, 420, 1639
- Chan, Yu-Yi357, 1006
- Chang, Chi-I597, 1211
- Chang, Chiung-Yun964
- Chang, Fang-Rong1350
- Chang, Seung-Yeup879
- Chang, Young Soo1242
- Chang-Fong, Jean729
- Chapat, Jean-Pierre1886
- Chavignon, Olivier1886
- Chen, Cheng Yu769
- Chen, Chieh-Fu1079
- Chen, Chien-Mao85
- Chen, Ching-Yeu1344
- Chen, Qiao-Hong1912
- Chen, Shao-Xing1087
- Chen, Sheng-Chih964
- Chen, Ting-Fang1890
- Chen, Wen-Chin766
- Cheng, Kin-Fai1109
- Chiang, Yi-Ming593
- Chiba, Mitsuo304
- Chikuma, Masahiko1831
- Chiwela, Irene951
- Chiyo, Junko1387
- Cho, Won Jea399
- Choi, Eung-Chil1805
- Choi, Sang Un614, 1796
- Choi, Seong-Hak1805
- Choi, Young Hae1805
- Choshi, Tominari108
- Choudhary, M. Iqbal738
- Chulia, Albert J.281
- Clark, Brian J.175, 1866
- Colibretti, Maria Luisa1611
- Comte, Gilles1768
- Concheiro, Angel458
- Cosentino, L. Mark1387
- Cussac, Max729
- (D)
- Daali, Youssef179
- Danjo, Kazumi140, 769
- Daskiewicz, Jean Baptiste1768
- Davgiin, Khishgee353
- De, Biswanath1332
- De Clercq, Erik293
- Dei, Hiroo1761
- deLong, Mitchell A.1332
- DeLuca, Patrick P.1921
- Dhanvantri, S. D.559
- Ding, Hueisch-Jy288
- Dirr, Michelle J.1332
- Dokan, Rumiko1226
- Domard, Monique893
- Dong, Hui1087, 1367
- Du, Xiao-Ming1803
- (E)
- Ebisawa, Kazuyoshi708
- Ebizuka, Yutaka1051
- Eguchi, Tadashi1470
- El-Asmy, A. A.41
- El-Feray, Farouk S.45
- El-Rahman, S. I. Abd636
- Endo, Katsunori1545
- Endo, Kazutoyo464, 1602
- Endo, Michiko1215
- Endo, Teruko304
- Endo, Tomohiro1986
- Endo, Toyoshige1467
- Endo, Yasuyuki312
- Enguehard, Cécile935
- Enomoto, Hiroshi1310
- Erős, István1877
- Eto, Hiromichi982, 1097
- Eto, Masashi1652
- (F)
- Fan, Wenzhe1055
- Farkas, Béla1877
- Fenet, Bernard1768
- Feng, Si-shen808
- Fillion, Houda893
- Fokialakis, Nikolas2009
- Fouda, A. S.636
- Fowke, Keith1387
- Frutos, Paloma1623
- Fuji, Kaoru882, 2014
- Fujii, Masahiro382
- Fujii, Nobutaka1230, 1293
- Fujii, Yasuyuki447
- Fujimoto, Haruhiro1436
- Fujimoto, Koichi245, 1729
- Fujimoto, Rie1281
- Fujimoto, Yasuo1774
- Fujimoto, Yoshinori344
- Fujimoto, Yoshinori1480
- Fujino, Yoshihiro298
- Fujita, Reiko1814
- Fujiwara, Hidetoshi1380
- Fujiwara, Manabu366
- Fujiwara, Yasuhiro1894
- Fukamiya, Narihiko876
- Fukasawa, Hiroshi1504
- Fukatsu, Kohji784
- Fukawa, Hidemichi304
- Fukazawa, Tominaga1310
- Fukuda, Hiroshi1034
- Fukuhara, Ken-ichi708
- Fukuhara, Kiyoshi1532
- Fukui, Miyako108
- Fukuma, Kazuki1051
- Fukuoka, Eihei208
- Fukuoka, Takashi694
- Fukushima, Kazutaka1422
- Fukuyama, Tohru1570
- Fukuyama, Yoshiyasu301, 657
- Fukuyoshi, Shu-ichi1208
- Funakoshi, Kazuhisa1822
- Furukawa, Hironori1370
- Furukawa, Hiroshi
.....65, 334, 339, 582
- Furuya, Toshio1925
- (G)
- Gao, Jiang-Jing1026
- Gao, Jianjun1075
- Garcia, Ana Maria740
- Giral, Frank1034
- Go, Mei Lin808
- Goan, Yoko1854
- Göczö, Hajnalka1877
- Godo, Masayuki1894
- Gombosurengyin, Purevsuren ...353
- Gómez-Amoza, José L.458
- Gonda, Ryoko1219, 1228
- Goto, Mariko1529
- Goto, Masashi537
- Goto, Riki245, 1729
- Gou, Yu-Lin1087
- Gouda, Hiroaki1835
- Gouda, M. M.636
- Gu, Xuyuan1776
- Gueffier, Alain935
- Gutierrez, Gilles1768
- (H)
- Habuki, Shinobu694
- Hada, Noriyasu1160
- Hamada, Yoshiki525, 755
- Hamana, Hiroshi1256
- Hamashima, Yoshitaka1586
- Han, Eyoung-Chae889
- Hanai, Toshihiko1841
- Hanaki, Akira908
- Hanaoka, Miyoji399
- Hara, Hiromu382, 1689
- Hara, Kazumasa1226
- Hara, Yukie1532
- Harada, Kengo843
- Harada, Yasuo157
- Haraguchi, Miyako1973
- Harano, Kazunobu1652
- Harasaki, Tamako694
- Harayama, Takashi861
- Harima, Shoichi651
- Hasegawa, Susumu1978
- Hasegawa, Tetsuya454, 1807
- Hashimoto, Keiji1299, 1894
- Hashimoto, Ken-ichiro1410
- Hashimoto, Shigeki603
- Hashimoto, Shunichi306
- Hashimoto, Tadashi1166

- Hashimoto, Yuichi1493, 1504
 Hassanein, Amira600
 Hassanian, M. M.41
 Hasznos-Nezdei, Magdolna1877
 Hata, Masayuki447
 Hata, Toshiyuki16, 957, 1660
 Hatakeyama, Isao1882
 Hatano, Keiichiro755
 Hatano, Keiichiro908
 Hatano, Tsutomu687
 Hatano, Tsutomu1286
 Hattori, Masao194, 838, 1026,
 1109, 1239, 1606, 1681
 Hattori, Naoko1310
 Hayakawa, Aki1558
 Hayakawa, Miho245, 1729
 Hayashi, Hideya1310
 Hayashi, Nanao154, 1090
 Hayashi, Noriki1148
 Hayashi, Ryogo1935
 Hayashi, Toshimitsu1101
 Hayashi, Yasuhiro623
 Hendrata, Siska1138
 Heng, Paul Wan Sia
 393, 420, 1639
 Herrera, H.1249
 Hibino, Masaru1395
 Hibino, Satoshi108
 Hidai, Yuko1570
 Hidaka, Toshinori1129
 Higashiyama, Kimio641
 Higuchi, Ryuichi157
 Higuchi, Tsunehiko1514
 Hijikata-Okunomiya, Akiko
 184, 1964
 Hikage, Naotsuka1370
 Hinata, Ryo-ichi1293
 Hino, Nagomi1196
 Hino, Tomoaki617
 Hirabayashi, Michitaka114
 Hirai, Hiromichi1093
 Hirai, Koichi1567
 Hirakawa, Tomoki286
 Hirano, Kazuyuki1793
 Hirano, Keiko974
 Hirano, Tomohisa223
 Hirasawa, Taeko399
 Hirata, Eiji542, 547, 752, 1084
 Hirata, Kazuyuki865
 Hiratsuka, Jun'ichi1034
 Hirayama, Fumitoshi
 646, 1125, 1264
 Hirobe, Masaaki223, 1514
 Hiroi, Kunio405
 Hirokawa, Yoshimi1847
 Hirono, Shuichi1835
 Hirooka, Kiyotaka1121
 Hirota, Hiroyuki1978
 Hirota, Kenichi235
 Hirusawa, Tomiko582
 Hoffmann, Pascal1634
 Hojo, Keiko1740
 Honda, Chikako464, 1602
 Honda, Gisho1234
 Honda, Keiichi154, 1090
 Honda, Toshio1545
 Honda, Yoshiteru978
 Hongo, Hiroshi1814
 Honma, Toyokuni509
 Hori, Kimihiko60
 Hori, Manabu843
 Horie, Kazutoshi1256
 Horiguchi, Yoshie1854
 Horikawa, Tamaki1847
 Horino, Haruhiko490
 Hornberger, Martin349
 Hosaka, Shouichi1882
 Hoshi, Midori1467
 Hoshimoto, Shigeki1541
 Hoshino, Hiroo308
 Hoshino, Masato1814
 Hoshino, Tyuji447
 Hoshita, Takahiko53
 Hosoe, Tomoo1422
 Hosono, Hiroshi1935, 1947
 Hu, Chuan-Jiang56
 Huang, Hui-Chi1079
 Huang, Jian-mei657
 Huang, Jing1228, 1413
 Huang, Li-Jiau964
 Huang, Ray-Ling1992
 Huang, Ying-Fong288
 Hufford, Charles D.45
 Huh, Hoon1805
 Huisgen, Rolf757
 Hung, Meng-Chieh1344
 Hwang, Shy-Yuan440
 Hwang, Sung Hee325, 610
 Hyun, Soon-Sil1805

 (I)
 Ichikawa, Fumihiko215
 Ichikawa, Takashi1935, 1947
 Ichikawa, Tomohisa454
 Ide, Toshinori542
 Ido, Yoshimi1001, 1959
 Igarashi, Kiharu1075
 Igarashi, Susumu382, 1689
 Igata, Tomoko1474
 Igglessi-Markopoulou, Olga211
 Igi, Masami529
 Iguchi, Shin1740
 Iida, Akira486
 Iida, Daisuke1838
 Iijima, Yasuteru389, 505
 Iinuma, Munekazu1001, 1959
 Ikarashi, Ai1698
 Ikeda, Kiyoshi32, 163, 308
 Ikeda, Shoji843
 Ikeda, Tsuyoshi362, 568, 1062
 Ikegami, Fumio278
 Ikekawa, Nobuoviii
 Ikeshiro, Yasumasa1387
 Ikota, Nobuo261
 Imai, Junya1310
 Imai, Masanori1822
 Imai, Teruko1264
 Imamura, Hideaki310
 Imbimbo, Bruno P.1611
 Imura, Akihiro563
 In, Yasuko374
 Inaba, Masahiro1778
 Inaba, Takihiro131
 Inada, Akira1930
 Inakuma, Takahiro1793
 Inami, Hiroshi382, 1689
 Inatomi, Yuka1930
 Inomata, Norio623, 1129
 Inoue, Hideko802
 Inoue, Kenichiro415
 Inoue, Yoshihisa366
 Inoue, Yukiko48
 Inui, Akio1925
 Inui, Takahiro603
 Inukai, Masao850
 Irino, Nobuto1803
 Isaka, Kimio353
 Ishibashi, Masami1436, 1447
 Ishibashi, Noriko436
 Ishibashi, Taro529
 Ishida, Koichi60
 Ishida, Sachie1782
 Ishida, Toshimasa374, 480
 Ishii, Akio552
 Ishii, Miho447
 Ishii, Mutsumi746
 Ishikawa, Junya1293
 Ishikawa, Satoko1500
 Ishikawa, Tsutomu278
 Ishizuka, Sou442
 Ishizuka, Takaaki1356
 Isobe, Akihiko256
 Isobe, Ryuichi157
 Isobe, Yoshihiko2003
 Isonishi, Seiji575
 Itabashi, Takeshi1422
 Itai, Akiko1504
 Itaya, Nobushige529
 Ito, Chihiro65, 334, 339, 582
 Ito, Chika2003
 Ito, Harunobu1
 Ito, Hideyuki687, 1190
 Ito, Kuniko490
 Ito, Masayoshi1391
 Ito, Masayoshi1833, 2017
 Ito, Rie245, 1729
 Ito, Suketaka865
 Ito, Tetsuro1001, 1959
 Ito, Tomohiro579
 Itoh, Atsuko415
 Itoh, Fumio1270
 Itoh, Hiroyuki1148
 Itoh, Katsumi1935, 1947
 Itoh, Takashi1524
 Itoh, Yoshio687
 Iwado, Akimasa1831
 Iwai, Michio1304
 Iwai, Yuzuru1442
 Iwakawa, Tsuneo160
 Iwamoto, Kiyoshi947
 Iwanami, Naoko1051, 1101
 Iwasa, Kinuko1790
 Iwasaki, Yukiko1484
 Iwata, Yukitaka1581

 (J)
 Ji, Jun1786
 Jiang, Ze-Rong641
 Jin, Yu850
 Jin, Zhe-Xiong1190
 Jones, Brian E.951
 Joseph, Benoît1872
 Jouyban-Gharamaleki, Abolghasem
 175, 1866
 Ju-ichi, Motoharu582
 Juliawaty, Lia Dewi1726
 Jun, Hun798, 1921
 Jung, Chil Mann1796
 Jung, Sang Hoon1786

 (K)
 Kadota, Shigetoshi
 496, 1055, 1114, 1711
 Kagami, Junichi1051
 Kagan, Henri B.315
 Kagawa, Yoshiki120
 Kagechika, Hiroyuki1504
 Kageura, Tadashi1429, 1720
 Kaji, Yuko1480
 Kajino, Hisaki1148
 Kakehi, Akikazu865
 Kakinuma, Katsumi1470
 Kakuda, Rie746, 749, 1356
 Kamachi, Shinichi215
 Kamai, Yasuki694
 Kamayachi, Hiroshi1549
 Kambara, Takeshi1577
 Kamei, Chiaki366
 Kamei, Tomoe623, 1129
 Kameyama, Yuri53
 Kamiya, Shoji817
 Kamizono, Hiroko464
 Kan, Toshiyuki1570
 Kanai, Motomu1586
 Kanai, Shinobu1470
 Kanazawa, Hideko1462
 Kanazawa, Masahiro1917
 Kanda, Mamoru817
 Kaneda, Miyuki53
 Kaneko, Kimiyoshi1628
 Kaneko, Midori1230
 Kaneko, Toshie2003
 Kaneko, Yasushi982, 1097
 Kang, Eunhee798
 Kang, Sam Sik1242
 Kano, Masahiro486
 Kanzaki, Yasushi1602
 Kaouadji, Mourad281
 Kása Jr., Péter1877
 Kasahara, Fumiko784
 Kasahara, Yoshimasa1187
 Kasai, Masayasu817
 Kasai, Ryoji1226
 Kasamaki, Masatoshi1698
 Kase, Hiroshi552
 Kashima, Midori330
 Kashiwada, Yoshiki1387
 Katada, Motomi1602
 Katai, Masaaki142
 Katakawa, Jun'ichi142
 Kataoka, Maki201
 Katayama, Hajime1628
 Kato, Hisatoyo454
 Kato, Jiro1831
 Kato, Keisuke272, 1176
 Kato, Makoto683
 Kato, Masanobu1778
 Kato, Nobuo1051
 Kato, Ryohei1310
 Kato, Shiro1847
 Katsuno, Shinya339
 Katsura, Tadashi529
 Katumi, Ikuyo1
 Kawachi, Emiko1504
 Kawada, Yoshihiro529
 Kawaguchi, Atsuhiko1327
 Kawaguchi, Takayuki1256
 Kawaguchi, Takeo454
 Kawahara, Nobuo1917

- Kawahara, Norio660, 1065
 Kawahara, Yuzo1039
 Kawai, Ken-ichi1422
 Kawakami, Katsuhiko1667
 Kawakami, Nozomi1205
 Kawasaki, Ikuo1799
 Kawasaki, Koichi1740
 Kawase, Akira215
 Kawase, Masami114, 410, 1338
 Kawashima, Seiichiro1778
 Kawashima, Susumu579
 Kawashima, Yoshiaki585
 Kawashima, Yoshiaki617
 Keum, Sam Rok1786
 Khalifa, M. E.41
 Khan, Ikhlas A.
 45, 425, 1081, 1994, 1996
 Khan, Pir Muhammad1771
 Khor, Eugene941
 Kido, Katsumi1826
 Kido, Masaru547
 Kiguchi, Toshihiro1536
 Kiho, Tadashi1793
 Kikuchi, Kazuya1514
 Kikuchi, Masao746, 749, 1356
 Kim, Dae Keun1766
 Kim, Hwa-Soon1805
 Kim, Jinwoong1805
 Kim, Ju Sun1242
 Kim, Soon-Ai1805
 Kim, Sun Yeou1796
 Kim, Won-Bae1805
 Kim, Young-Ho194
 Kimizuka, Kaoru77
 Kimura, Kenichi1667
 Kimura, Kenya646
 Kimura, Saori1999
 Kimura, Yumiko1187
 Kini, R. Manjunatha1087
 Kinjo, Junei286, 1826
 Kino, Akari873, 1790
 Kinoshita, Sayaka145
 Kinoshita, Takayoshi1
 Kinoshita, Takeshi1375
 Kinoshita, Toshio1841
 Kirihara, Masayuki220, 885
 Kiryu, Yoshimitsu1628
 Kisanuki, Sumitsugu1310
 Kishi, Akinobu994, 1039, 1673
 Kishibayashi, Nobuyuki552
 Kishigami, Maki477
 Kishimoto, Shin-ichi708
 Kiso, Yoshiaki1310
 Kita, Yasuyuki445, 1519
 Kitagawa, Kouki1380
 Kitagawa, Masayuki490
 Kitagawa, Shuji1698
 Kitagawa, Takanori575
 Kitagawa, Tokujiro1363
 Kitajima, Junichi77
 Kitajima, Mariko1410, 1726
 Kitamura, Kunihiko480
 Kitazaki, Tomoyuki1935, 1947
 Kiuchi, Fumiyouki148
 Koami, Takeshi1480
 Kobayashi, Chiaki1299
 Kobayashi, Chizu415
 Kobayashi, Eri687
 Kobayashi, Hiroki920
 Kobayashi, Hisayoshi1452
 Kobayashi, Jun'ichi974, 1447
 Kobayashi, Kazuo223
 Kobayashi, Keijiro1567
 Kobayashi, Masakazu1304
 Kobayashi, Shigeki920
 Kobayashi, Shoichi1986
 Kobayashi, Susumu1370
 Kobayashi, Syozo490
 Kobayashi, Takashi1793
 Kobayashi, Tooru1034
 Kodama, Kazuya366
 Kofuji, Kyoko579
 Koga, Hironobu1925
 Koga, Kenji486, 571, 1529
 Kohno, Kentarou1673
 Kohno, Masahiro610
 Koike, Kazuo876
 Koike, Nobuo215
 Koike, Takeshi436, 1898
 Kojima, Keisuke353
 Kojima, Naoe1101
 Kojima, Shigeo283
 Kokusenya, Yoshio235
 Kölbl, Heinz1442
 Komoto, Teruo1978
 Kondo, Kazuhiko589
 Kondo, Mitsumasa1384
 Kondo, Shin-ichi1882
 Kondo, Yoshinori669
 Kondo, Yuichi65, 339
 Konishi, Koji163, 308
 Konosu, Toshiyuki694
 Koshio, Hiroyuki21
 Kotate, Jiro1978
 Kotani, Eiichi120
 Kouno, Isao201
 Koutoku, Hiroshi382, 1689
 Koutselinis, Antonis743
 Kowalczyk, James J.740
 Koya, Hidehiko1978
 Koyama, Junko873, 1790
 Koźlecki, Tomasz296
 Kreis, Wolfgang349
 Krishnaveni, K. S.1373
 Kubica, Zbigniew296
 Kubo, Akinori1549
 Kubo, Hajime641
 Kubo, Hideo490
 Kubodera, Noboru215
 Kubota, Shinichi1749
 Kubota, Shoji1652
 Kubota, Takaaki974, 1447
 Kubota, Yoshihiro486
 Kudo, Noriaki509
 Kudoh, Michinari60
 Kumadaki, Isumaro683, 1023
 Kumakura, Hiroko114
 Kumazawa, Toshiaki552
 Kumon, Satoshi708
 Kunieda, Takehisa1541
 Kuno, Masako1
 Kuo, Sheng-Chu964
 Kuo, Yao-Haur440, 1079, 1992
 Kuo, Yueh-Hsiung
 593, 597, 766, 1211, 1862
 Kurahashi, Kazuyoshi817
 Kuramoto, Taiju53
 Kurihara, Hiroyuki1925
 Kurihara, Masaaki920
 Kurihara, Teruo1338
 Kurita, Keisuke442
 Kuroda, Mayuko1160
 Kuroda, Tooru589
 Kuroda, Yoshihiro1293
 Kurokawa, Sachiko1999
 Kurosaki, Seisuke1843
 Kurosawa, Katsuro1166
 Kuroyanagi, Masanori
 566, 832, 1917
 Kusama, Kaoru687
 Kusama, Tadashi278
 Kusamae-Eguchi, Kuniko278
 Kusano, Genjiro1281
 Kusumi, Takenori1208
 Kuwada, Takeshi108
 Kuwajima, Hiroshi415
 Kuzuya, Masayuki1882
 Kwon, Hak Cheol614, 1796

 (L)
 Labidalle, Serge1634
 Lagasse, Franz315
 Lamperti, Giuseppina1611
 Lastres, Jose Luis1623
 Lee, Ching-Kuo597, 766
 Lee, Hye Suk1921
 Lee, Jong Kyo1796
 Lee, Kang Choon798, 1921
 Lee, Kang Ro614, 1796
 Lee, Kuo-Hsiung876, 1387, 1992
 Lee, Kyu Hyun798
 Lee, Yi-Ling440
 Leger, Jean-Michel935
 Lei, Zhen-Huan290, 828
 Léonce, Stéphane150, 1872
 Leu, Yann-Lii357, 1006
 Lewis, Michael D.740
 Li, Jia-Shi641
 Li, Jian-Chen1223, 1354
 Li, Shu-Hua687
 Li, Shyh-Yuan440, 1992
 Li, Yan1239, 1606
 Li, Yen-Cheng1862
 Liao, Yuan1138
 Lib, Bo-Gang1912
 Lim, Lee-Yong941
 Lim, Liang Theng393
 Lim, Soon Sung1786
 Lin, Chin-Hou440
 Lin, Shan-Yang1890
 Lipipun, Vimolmas1347
 Liu, Hong-Min148
 Liu, Zhaopeng1954
 Liu, Zhenzhong148
 Lu, Chang-Sheng56

 (M)
 Ma, Chao-mei838, 1239, 1681
 Ma, Ying-Li290
 Machida, Koichi746, 749, 1356
 Machida, Kotoe1828
 Machida, Minoru1702
 Maeda, Hatsuo897, 1196
 Maeda, Kensuke683
 Maeda, Mitsuko1740
 Maeda, Yoshitaka1293
 Maegawa, Tomohiro445
 Magiatis, Prokopios2009
 Maiorana, Stefano1611
 Maitani, Tamio1990
 Maitani, Yoshie325, 610
 Maki, Tomonori1782
 Makino, Tadashi1774
 Makino, Tadashi673, 678
 Makita, Midori208
 Malik, Abdul1771
 Mallie, Michèle1886
 Mandelli, Giacomina R.1611
 Marakos, Panagiotis150
 Marriott, Christopher167
 Martelli, Sante1105
 Martin, Gary Peter167
 Martínez-Pacheco, Ramón458
 Martino, Piera Di1105
 Marton, Sylvia1877
 Masaki, Yukio1010
 Mase, Toshiyasu382, 1689
 Masuda, Toshinobu256
 Masuda, Toshiya752, 1234
 Masui, Yasue1281
 Masuma, Rokuro1442
 Masumizu, Toshiki610
 Matsu-ura, Shinya897
 Matsubara, Toshiyuki433
 Matsuda, Hisashi651, 994, 1039,
 1045, 1327, 1429, 1673, 1720
 Matsuhisa, Akira21, 1644
 Matsuhisa, Tadashi1148
 Matsui, Hiroshi817
 Matsumoto, Ken-ichiro1602
 Matsumoto, Kenji1418
 Matsumoto, Misae566
 Matsumoto, Shinobu71
 Matsumoto, Shinobu91
 Matsumoto, Yoshikazu184
 Matsumoto, Yukiharu1121
 Matsumoto, Yuzo428
 Matsumura, Yasufumi304
 Matsunaga, Hirofumi1541
 Matsuno, Toshiyuki1778
 Matsuo, Jun-ichi1838
 Matsushima, Tomohiro855
 Matsushima, Yoshikazu
 71, 261, 1462
 Matsushita, Takayuki366
 Matsushita, Yoshihiro1935, 1947
 Matsuura, Hiromichi889
 Matsuura, Tetsuro142
 Matsuya, Yuhji108
 Matsuyama, Kenji1828, 1843
 Mazuzaki, Hisao525, 755
 Mazima, Kaori48
 Meguro, Shiori1452
 Meng, Qing-Jin56
 Mérour, Jean-Yves1872
 Meselhy, Meselhy R.
 1109, 1239, 1606
 Mibu, Nobuko1810
 Michida, Takashi1378
 Mifune, Masaki1831
 Mikami, Yuzuru974
 Mikata, Yuji477
 Mimoto, Tsutomu1310
 Mimura, Tetsuya490
 Min, Byung-Sun194, 1026
 Min, Kyung-Hoon1805
 Minami, Emiko389
 Minami, Hiroyuki301, 657
 Mine, Chie1418
 Ming, Dong-Sheng1367
 Misawa, Satoru1310
 Misoi, Rumi349

- Mitaku, Sofia150, 2009
Mitsos, Christos211
Mitsui, Hitoshi1
Miura, Tsuyoshi1010
Miura, Yozo235
Miwa, Masao832
Miya, Mikiko1129
Miyadera, Akihiko563
Miyagawa, Hiroo480
Miyahara, Kazumoto1749
Miyaji, Makoto1422
Miyajima, Keisuke32
Miyama, Isamu779
Miyamoto, Chie71
Miyamoto, Hisashi2014
Miyamoto, Kazuhide1293
Miyamoto, Tomofumi157
Miyana, Yohko1828, 1843
Miyana, Kei1154
Miyase, Toshio566
Miyashiro, Hirotsugu194
Miyashita, Tomoyuki903
Miyata, Chizuko1462
Miyata, Naoki920, 1532
Miyata, Yoko1749
Miyuchi, Rie1667
Miyuchi, Satoru1667
Miyazaki, Yoshihiko1299
Miyoshi, Kengo1230
Mizoguchi, Jun-ichi366
Mizoue, Kazutoshi1470
Mizukami, Hajime353
Mizuno, Akira623, 1129
Mizuno, Hitomi48
Mizuno, Masahiro1947
Mizutani, Taku140
Mizutare, Tohru1226
Mochizuki, Masataka1500
Moham, E. V. S.559
Momose, Takefumi220, 885
Morand, Jean-Marc729
Moreno, MarcoAntonio1623
Mori, Kazuko1190
Mori, Kenji1807
Mori, Makoto126, 716
Mori, Miwako1753
Mori, Takao660, 1065
Mori, Tomonori442
Moriarity, Debra M.1776
Morikawa, Toshio651
Morimoto, Hotaka1793
Morioka, Hironori445
Morisaki, Masuo1474
Morishima, Hajime310
Morita, Izumi873, 1790
Moritani, Yasunori589
Morris-Natschke, Susan L.1387
Moses Babu, J.559
Mostafa, Sahar I.266
Motohashi, Noriko1831
Motohashi, Shigeyasu1187
Mou, Xiao-Yang876
Mu, Li808
Mukainaka, Teruo876
Mukaiyama, Teruaki1838
Mukoyoshi, Koichiro882
Murabayashi, Akira160
Murahashi, Naokazu947
Murakami, Masayuki1567
Murakami, Morio784
Murakami, Toshiyuki889, 994,
1045, 1429, 1673, 1720
Murakami, Yumiko1176
Muramatsu, Kazunori610
Muramatsu, Makoto2003
Muranaka, Takashi1190
Murase, Kiyoshi1925
Murase, Masayuki81
Murata, Chiyomi256
Murata, Hiroko1930
Murata, Yoshifumi579
Muratake, Hideaki1558
Murillo, E.1249
Mustofa, Mustofa1886
- (N)
- Nagai, Masahiro1427
Nagai, Tsuneji325, 610
Nagaki, Hideyoshi131
Nagakura, Naotaka
.....370, 415, 1200
Nagamine, Rumiko1799
Nagano, Tetsuo223, 1514
Nagao, Tsuneatsu1387
Nagaoka, Masao1215
Nagase, Hiromasa1986
Nagashima, Fumihiko1818
Nagashima, Nobuya708
Nagata, Toshiyuki454
Nagata, Yoshiko71, 1462
Nagumo, Seiji1427
Naka, Tadaatsu1519
Nakada, Masahisa1581
Nakagawa, Hidehiko261
Nakagawa, Hidetoshi1652
Nakagawa, Masako1593
Nakagawa, Terumichi1293
Nakahara, Hideaki428
Nakai, Hiroshi160
Nakajima, Makoto306
Nakajima, Masaharu1205
Nakajima, Noriyuki855
Nakajima, Terumi908
Nakamoto, Kazutaka1256
Nakamura, Atsuko1480
Nakamura, Etsuko1436
Nakamura, Hiroyuki1034
Nakamura, Junko1720
Nakamura, Keiko582
Nakamura, Mitsuhiko566
Nakamura, Motoyuki1826
Nakamura, Norio194, 838, 1026,
1109, 1239, 1681
Nakamura, Seikou1799
Nakamura, Shohei817
Nakamura, Takashi235
Nakamura, Yoshie694
Nakamura, Yushin603
Nakane, Shinji903
Nakanishi, Ikuo1532
Nakanishi, Koji1399
Nakanishi, Kyoko623, 1129
Nakanishi, Tsutomu1930
Nakano, Masahiro978
Nakaya, Ken-ichi1001, 1959
Nakayama, Hirokazu802
Namiki, Setsuo1097
Namikoshi, Michio1452
Narama, Isao142
Natsume, Mitsutaka1558
Nawaz, Hafiz Rub1771
Nayeshiro, Hidekazu370
Ndognii, Purev Ö.738
Nebois, Pascal893
Nemoto, Hideo885
Nemoto, Hisao1034
Niimi, Kanako220
Nishi, Hiroyuki235
Nishi, Masatoshi1930
Nishi, Toyoyuki1200
Nishida, Atsushi1593
Nishida, Makiko556, 828
Nishida, Miharuru920
Nishida, Norihisa1429
Nishii, Yasuho215
Nishijima, Koji1299
Nishijo, Juziro48
Nishimura, Akiko774
Nishimura, Satoshi505
Nishino, Hoyoku876, 1190
Nishiyama, Tomihiko1999
Nishiyama, Yasuhiro442
Nishizono, Naozumi1702
Niwa, Mineo1304
Noda, Keiko1176
Noda, Naoki1749
Noguchi, Hiroshi566
Nohara, Toshihiro286, 290
Nohara, Toshihiro362
Nohara, Toshihiro556, 568, 828,
879, 1062, 1223, 1354, 1826
Nohara, Yukio1841
Nohira, Hiroyuki428
Nojima, Satoshi1310
Nomoto, Yuki1391
Nomura, Keiko344
Nomura, Teruko947
Nonaka, Hiromi552
Noro, Tadataka99, 516
Nozato, Naoko575
Nozawa, Koohei1422
Nozawa, Masako272, 1176
Nukina, Manabu1075
Numa, Tetsuya1154
Numata, Atsushi669
Numazawa, Mitsuteru1215, 1359
- (O)
- O'Connell, Celeste E.740
Ochiai, Kazunori575
Oda, Junko1831
Oda, Kazuaki1702
Oda, Yoshiyuki1702
Odani, Akira223
Ogata, Atsuto623
Ogata, Masahiro1467
Ogawa, Mari301
Ogawa, Masaki1097
Ogawa, Taketoshi245, 1729
Ogihara, Yukio353, 1228, 1413
Oh, O-Jin879
Ohashi, Kazuyoshi433
Ohba, Yoshihito1236, 2011
Ohgaya, Toyooki617
Ohkawa, Shigenori784
Ohki, Hitoshi1667
Ohki, Toshimitsu1828, 1843
Ohkoshi, Emika1774
Ohmiya, Shigeru641
Ohmori, Hidenobu897, 1196
Ohmori, Shinji673, 678
Ohno, Akiko1484
Ohnuma, Naoko749
Ohsawa, Akio1524
Ohsawa, Masanori223
Ohshima, Rie1628
Ohshima, Takao529
Ohta, Hiroshi1148
Ohta, Kiminori1504
Ohta, Masahiro490
Ohta, Shin1205
Ohta, Shunsaku1799
Ohta, Toshio1327
Ohtaka, Hiroshi843
Ohtake, Norikazu310
Ohtake, Yasuyuki575
Ohuchi, Yutaka2003
Ohya, Satoshi694
Oida, Sadao126, 694, 716
Oka, Mitsuru1121
Oka, Naomi623
Oka, Seiko1447
Okabe, Hikaru1387
Okada, Hideaki1422
Okada, Kaoru1422
Okada, Yoshihiro752
Okada, Yoshio184, 1964
Okamoto, Aikou575
Okamoto, Hirokazu769
Okamoto, Hiroshi1740
Okamoto, Iwao120
Okamoto, Shosuke184, 1964
Okamoto, Utako1964
Okamura, Nobuyuki1782
Okano, Masayoshi876
Okawa, Masafumi286
Okazaki, Tadayasu1470
Okoli, Ngozi D.734
Okonogi, Kenji1935
Okumura, Kazuo1903
Okumura, Maiko220, 885
Okumura, Noriko537
Okuyama, Emi1436
Okuyama, Kazunori1799
Om Reddy, G.559
Omote, Masaaki683, 1023
Omura, Satoshi1442, 1835
Onchi, Yoko477
Ondognii, Purev353
Onishi, Yuka1782
Ono, Masateru1223
Ono, Satoko1545
Ono, Yasuhiro1999
Ono, Yukio16, 957
Ono, Yukio1660
Ooi, Takashi1208
Oominami, Hideo1045
Ootsu, Koichiro1270
Oritani, Hiroyuki382, 1689
Osakabe, Kanehiro142
Osaka, Yoshifumi1154
Osawa, Eriko1378
Otagiri, Masaki1264
Otaka, Akira1230, 1293
Otsubo, Tadamune882
Otsuka, Hideaki
.....542, 547, 752, 1084, 1234
Otsuka, Mari1978
Otsuka, Takashi334
Otsuki, Michiya529
Ouchi, Kiyohisa1264

- Oyama, Kazumi746
 Ozawa, Toshihiko261
 Özer, Ulviye870
- (P)
- Palmieri, Giovanni Filippo1105
 Pan, Wen-Bin1350
 Papoutsis, John743
 Park, Myung Ok1921
 Park, Sang-Yong879
 Peña, M. Angeles179
 Petit, Catherine1634
 Piacente, Sonia1994
 Pierre, Alain150
 Pintye-Hódi, Klára1877
 Pizza, Cosimo1994
 Podczeczek, Fridrun951
 Pouli, Nicole150
 Purevsuren, G.738
- (Q)
- Qian, Zhong-Zhi828
 Qin, Guo-Wei1109, 1606
 Quiróz, A.1249
- (R)
- Radi, Abd-Elgawad600
 Rahman, Atta-ur738, 1771
 Rakha, Tawfik H.41, 914
 Ramírez, E.1249
 Rao, K. V.559
 Ravikumar, V.559
 Renou, Jean-Louis935
 Riswan, Soedarsono1001, 1959
 Romero, Susana175
 Rowell, Cheryl A.740
 Ruangrunsi, Nijisiri334
 Ryo, Kazutoshi1384
 Rzeszotarska, Barbara296
- (S)
- Sadasue, Etsuko1782
 Sadhukhan, A. K.559
 Saiki, Ikuo496, 1711
 Saito, Ikuko1602
 Saito, Kazuki1458
 Saito, Makoto306
 Saito, Naoki1549
 Saito, Setsuo114, 410, 1338
 Saito, Yuka1894
 Saito, Yutaka1831
 Saitoh, Noriko1500
 Saitoh, Toshiaki91, 1854
 Sakagami, Hiroshi687
 Sakagami, Masahiro1256
 Sakagami, Michiya1854
 Sakaguchi, Akira60
 Sakai, Kiyoshi1536, 1822
 Sakai, Shin-ichiro1410
 Sakai, Yasuyoshi1051
 Sakamoto, Eishi1822
 Sakamoto, Kenichiro1644
 Sakamoto, Takao669
 Sakamoto, Takao982
 Sakamoto, Takao1978
 Sakata, Miyuki1236
 Sakato, Mitsuo1778
- Sakikawa, Hiroshi1310
 Sakura, Naoki1166
 Sakuraba, Shunji310
 Sakurai, Nobuko1427
 Saliba, Charles1768
 Samejima, Tomomi464
 Saneyoshi, Mineo454
 Sankawa, Ushio1051, 1101
 Sano, Kimihiko163
 Sano, Takehiro91, 1854
 Santana, Lourdes293
 Sasahara, Hiroya1778
 Satake, Motoyoshi1990
 Sato, Kazuo509
 Sato, Kazuyuki683, 1023
 Sato, Mamoru142
 Sato, Seiji366
 Sato, Shizuko779
 Sato, Susumu1097
 Sato, Susumu1978
 Sato, Yoshihiro1753
 Satoh, Kazue687
 Satoh, Koji563
 Satoh, Yoshinari1
 Satow, Yoshinori223
 Seki, Ryu-ichi1549
 Sekine, Toshikazu278
 Sekita, Setsuko1990
 Senba, Toshihisa897
 Seo, Shujiro1427
 Serwanis, Serwanis Fahim1877
 Setzer, Mary C.1776
 Setzer, William N.1776
 Sévenet, Thierry2009
 Sezik, Ekrem1234
 Shan, Daxian238
 Shen, Chien-Chang1079
 Shen, Ya-Ching440, 1344
 Shibano, Makio1281
 Shibanuma, Tadao428
 Shibasaki, Masakatsu1586
 Shibata, Makoto623, 1129
 Shibata, Norio1954
 Shibuya, Hirotaka433
 Shibuya, Masaaki1051
 Shibuya, Miki256
 Shigeyama, Masato617
 Shimada, Kenji1205
 Shimada, Yoshiaki1644
 Shimadzu, Hideshi589
 Shimamoto, Tetsuo623
 Shimamura, Tadashi1838
 Shimizu, Aya310
 Shimizu, Masato1484
 Shimizu, Noriko1413
 Shimizu, Tadayori32
 Shimoda, Hiroshi1039
 Shimura, Susumu687
 Shin, Beom Soo798, 1921
 Shin, Cha Gyun1796
 Shin, Dong-Yun1805
 Shin, Kuk Hyun1786
 Shindo, Mitsuru1529
 Shinohara, Yoshifumi436, 1898
 Shintani, Makoto1310
 Shintani, Yasushi1286
 Shinzato, Takakazu
542, 547, 752, 1084
 Shiokawa, Youichi1903
 Shiomi, Kazuro1442
 Shionoya, Mitsuhiko1745
- Shiota, Sachiko48
 Shiota, Sumiko1286
 Shirahase, Hiroaki817
 Shiro, Motoo53
 Shoyama, Yukihiko1803
 Shujaat, Shahida1771
 Simakata, Mina1854
 Sitaramkumar, M.559
 Sitthithaworn, Worapan1101
 Skaltsounis, Alexios-Leandros
150
 Smith, Timothy1740
 Sodeoka, Mikiko1493
 Sogabe, Hajime1
 Solorzano, K.1249
 Somada, Atsushi694, 716
 Song, Shao-jiang838
 Soper, David L.1332
 Sotanaphun, Uthai1347
 Sou, Sonei1493
 Souchard, Jean-Pierre1634
 Souto, Consuelo458
 Srichana, Teerapol167
 Srinivasa Rao, J. V.1373
 Stampoulis, Pavlos1711
 Stefanidou, Maria743
 Stumpf, Walter E.215
 Su, Yuko370
 Sudo, Hirokazu542
 Suemune, Hiroshi
1171, 1384, 1536, 1822
 Sugahara, Masakatsu589
 Sugai, Soji509
 Sugawara, Tohru784
 Sugi, Kiyoshi529
 Sugibayashi, Kenji1807
 Sugidachi, Atsuhiko245, 1729
 Sugimori, Giichi160
 Sugimoto, Hisako1281
 Sugimoto, Naoki1990
 Sugino, Eiichi108
 Sugita, Daigo687
 Sugiura, Takayuki903
 Sugiyama, Kazumasa1917
 Suh, Dae-Yeon1051, 1101
 Suh, Young-Ger1805
 Suhara, Yoshitomo903
 Sumiki, Erika261
 Sumiya, Shigeyuki480
 Sumoto, Kunihiro1810
 Sun, Ning-Yi1803
 Sunazuka, Toshiaki1835
 Suttisri, Rutt1347
 Suzuki, Ei-ichiro708
 Suzuki, Hideyuki1458
 Suzuki, Makoto1818
 Suzuki, Masaji2003
 Suzuki, Noriko1226
 Suzuki, Tomoo1121
 Szabó-Révész, Piroska1877
 Szymonski, Barbara729
- (T)
- Tabuchi, Seiichiro1
 Tachi, Masashi1549
 Tachikawa, Eiichi1205
 Tada, Mayako184, 1964
 Taga, Tohru2014
 Tagahara, Kiyoshi873, 876, 1790
 Tagami, Yayoi529
- Tagashira, Motoyuki575
 Tai, Bao-Shan290
 Tajima, Yawara694
 Takadate, Akira256
 Takagishi, Yasushi366
 Takahashi, Hironobu301
 Takahashi, Hiroyasu1493
 Takahashi, Hisashi1667
 Takahashi, Keiko272
 Takahashi, Kenji817
 Takahashi, Maki1593
 Takahashi, Masayuki1778
 Takahashi, Miho1447
 Takahashi, Miyuki1822
 Takahata, Hiroki885
 Takahi, Yukiyooshi1148
 Takai, Hitoshi897
 Takaishi, Sachiko389, 505
 Takaishi, Yoshihisa1234
 Takaku, Haruo1310
 Takamatsu, Yoshie687
 Takami, Hitoshi552
 Takamura, Masahiro1586
 Takano, Masashi1581
 Takano, Shuntaro131
 Takao, Ken-ichi1370
 Takaoka, Shigeru1818
 Takaoka, Yuji480
 Takasu, Kiyosei2014
 Takayama, Hiroaki903
 Takayama, Hiromitsu1410, 1726
 Takayama, Kozo325, 610
 Take, Kazuhiko1903
 Takebayashi, Yukihiko1925
 Takebe, Yasushi1519
 Takechi, Haruko1702
 Takeda, Sunao1097
 Takeda, Tadahiro1160
 Takeda, Tadahiro1219, 1228
 Takeda, Tadahiro1413
 Takeda, Yoshio
542, 547, 752, 1084, 1234
 Takemura, Makoto1667
 Takemura, Yuko582
 Takenaka, Yukiko1200
 Takeno, Ryuko131
 Takeshiba, Hideo1148
 Takeuchi, Hirofumi585, 617
 Takeuchi, Isao525, 755
 Takeuchi, Naoki436, 1898
 Takeuchi, Yasuo861
 Takeuchi, Yoshio885, 1954
 Takeya, Tetsuya120
 Takezawa, Emiko1593
 Taki, Motohiko389, 505
 Takido, Michio1187
 Takiguchi, Chikako623, 1129
 Takimoto, Masanori1753
 Takizawa, Shinobu445
 Takusagawa, Mitsuko261
 Takushi, Anki542, 547, 752
 Takuwa, Tomofumi885
 Tamamura, Hirokazu1230
 Tamatsukuri, Ryouko1176
 Tamoto, Kei1023
 Tamura, Masakazu1514
 Tamura, Misato1023
 Tamura, Sadaaki876
 Tan, Hugh T.-W.339
 Tanahashi, Takao370, 415, 1200
 Tanaka, Akihiro21, 1644

- Tanaka, Akihiro1925
 Tanaka, Akira920
 Tanaka, Hiromi1843
 Tanaka, Kazufumi1293
 Tanaka, Keiichi131
 Tanaka, Ken496
 Tanaka, Kentaro1745
 Tanaka, Kiyoshi163, 308
 Tanaka, Masakazu1536
 Tanaka, Masakazu1822
 Tanaka, Masami657
 Tanaka, Masami1093
 Tanaka, Naoki245, 1729
 Tanaka, Nobuyuki1010
 Tanaka, Osamu889
 Tanaka, Shigeki1310
 Tanaka, Takashi201
 Tanaka, Teruo694
 Tanaka, Toshiyuki1001, 1959
 Tanaka, Yasuko77
 Tani, Sayuri374
 Taniguchi, Kiyoshi1903
 Taniguchi, Masahiko1246
 Taniguchi, Nobuaki21, 1644
 Tanimoto, Tsuyoshi283
 Taniyama, Toshio889
 Tano, Kenji1391
 Tasaka, Akihiro1935
 Tatsuoka, Toshio1129
 Teijeira, Marta293
 Teng, Che-Ming964
 Teo, Serena Lay Ming1087
 Terada, Katsuhide208, 231
 Terada, Yukimasa349
 Terai, Tadamasu142
 Teran, Carmen293
 Terao, Yoshiyasu304
 Terashima, Keisuke1310
 Terni, Patrizia1611
 Tetsumi, Tadahiyo142
 Teulade, Jean-Claude1886
 Tezuka, Yasuhiro496, 1055, 1114,
1711
 Tezuka, Yasuhiro1711
 Thomasson, François729
 Tillequin, François2009
 Tobinaga, Seisho81, 436, 1898
 Tobitsuka, Junzo1148
 Toda, Jun91, 1854
 Tode, Chisato1833
 Todoroki, Kenichiro2011
 Togami, Junji1925
 Toguchida, Iwao651
 Tohma, Hirofumi445
 Toida, Yuka1828
 Tokizawa, Minoru1097
 Tokuda, Harukuni876, 1190
 Tokutake, Norio1187
 Tomioka, Kiyoshi486
 Tomioka, Kiyoshi1577
 Tomisawa, Hiroshi1814
 Tomita, Takashi330
 Tomoo, Koji480
 Torisawa, Yasuhiro1593
 Tran, Kim Qui496, 1114, 1711
 Tsubaki, Kazunori882, 1903
 Tsuboi, Nagisa201
 Tsuchiya, Tomofusa1286
 Tsuda, Masashi974, 1447
 Tsuda, Mikio1148
 Tsuda, Minoru447
 Tsuda, Yuko184, 1964
 Tshako, Mitsutomo774, 802
 Tsujimoto, Yasuhisa330
 Tsujita, Takako1799
 Tsukamoto, Daisuke1281
 Tsukamoto, Tomokatsu769
 Tsukui, Akihiro405
 Tsumagari, Hidetsugu362, 1062
 Tsumura, Mitsuyoshi490
 Tsurusaki, Yuko1536
 Tsuruta, Yasuto1782
 Tsutsui, Chinatsu1363
 Tsutsumi, Nozomi1524
 Tsutsumi, Shinya389
 Turberg, Andreas1442
 Türkel, Naciye870
 Tzeng, Cherng-Chyi288
- (U)
- Uchida, Takahiro1828, 1843
 Uchida, Wataru428
 Ueda, Haruhisa1986
 Ueda, Jun-ichi908
 Uekama, Kaneto646, 1125, 1264
 Uemura, Toshiaki1039
 Ueno, Takamasa1310
 Ukai, Shigeo1793
 Ukita, Tatsuzo589
 Ukiya, Motohiko1187
 Umehara, Kaoru566
 Umemoto, Kazuichi1894
 Umeyama, Hideaki708
 Une, Mizuho53
 Uno, Bunji537
 Uraguchi, Chie1782
 Urakami, Koji1299, 1894
 Urano, Shiro1462, 1467
 Urano, Yasuteru1514
 Uriarte, Eugenio293
 Usuda, Hiroyuki1586
 Usui, Shigeyuki1793
- (V)
- Valentin, Alexis1886
 Veerender, M.559
 Veiga, María-Dolores793
 Viorner, Lionel1768
 Viroonchatapan, Ekapop1101
 Vyas, K.559
- (W)
- Wada, Akimori1391
 Wada, Koichi1828, 1843
 Wada, Koji660, 1065
 Wakayama, Toshiyuki454
 Wakikawa, Takahiro885
 Waku, Keizo903
 Wanaka, Keiko184, 1964
 Wang, Binghe238, 1138
 Wang, Chi-We1992
 Wang, Feng-Peng1912
 Wang, Jih-Pyang964
 Wang, Li-Quan1109, 1239, 1606
 Wang, Shun-Li1890
 Wang, Wei238
 Wang, Yili1332
 Wang, Yong-Hong641
 Warashina, Tsutomu99, 516
 Watanabe, Chuichi1894
 Watanabe, Ikuo843
 Watanabe, Kazuhiro81
 Watanabe, Kazuko278
 Watanabe, Mari802
 Watanabe, Mitsuo1841
 Watanabe, Naoharu349, 2017
 Watanabe, Takashi405
 Watanabe, Tetsuo1778
 Watanabe, Tetsuya1807
 Watanabe, Yasuko2017
 Watano, Satoru1154
 Wei, Li-Lan288
 Wells, Eric B.1776
 Wong, Tin Wui420, 1639
 Wos, John A.1332
 Wu, Hua-Xin415
 Wu, Ming-Der1992
 Wu, Tian-Shung65, 85, 357, 1006
 Wu, Yang-Chang1079, 1350
- (X)
- Xiao, Yong-Qing1246
 Xiong, Jin-Zhe290
 Xu, Hong-Xi1087, 1367
 Xu, Shouhong779
 Xu, Sui-xu838
- (Y)
- Yagi, Akira1782
 Yaguchi, Shin-ichi1778
 Yahara, Shoji290
 Yamada, Hisashi1304
 Yamada, Koji157
 Yamada, Koji310
 Yamada, Masami1947
 Yamada, Sachiko1484
 Yamada, Satoshi1171, 1536
 Yamada, Takashi1990
 Yamada, Tatsuhiko1264
 Yamagami, Hisako1973
 Yamaguchi, Hiroyuki889
 Yamaguchi, Kentaro920
 Yamaguchi, Takatoshi920
 Yamaguchi, Takenobu1593
 Yamaguchi, Yuuichi1442
 Yamaki, Akira1129
 Yamakoshi, Yuko312
 Yamamoto, Akemi278
 Yamamoto, Atsushi480
 Yamamoto, Atsushi832
 Yamamoto, Hiromitsu585
 Yamamoto, Katsumi114
 Yamamoto, Naoko1
 Yamamoto, Satomi1474
 Yamamoto, Takeshi843
 Yamamoto, Yoshinori1034
 Yamamura, Shigeo208
 Yamanaka, Junpei779
 Yamano, Yumiko1833, 2017
 Yamaoka, Teiji529
 Yamaoka, Yumiko1378
 Yamasaki, Kazuo1226
 Yamasaki, Ryu1493
 Yamasaki, Seiji897
 Yamashita, Eriko1391
 Yamashita, Masayuki1799
 Yamashoji, Yuko366
 Yamato, Susumu1205
 Yamauchi, Megumi1761
 Yamauchi, Osamu223
 Yamauchi, Tatsuo154, 991, 1017, 1090, 1908
 Yamauchi, Yuji897, 1196
 Yamazaki, Mami1458
 Yamazaki, Shigeo529
 Yamazaki, Yasuyo1051
 Yan, Xiaoliang941
 Yan, Xuebin148
 Yanagi, Toshiharu366
 Yanagihara, Kazumi1234
 Yanagisawa, Isao428
 Yanagisawa, Manabu1838
 Yang, Chun-shu657
 Yang, Jin-Song1912
 Yang, Ki-Sook879
 Yang, Ren-Zhou1109
 Yano, Hideki1125
 Yano, Shigenobu477
 Yaoita, Yasunori746, 749, 1356
 Yapi, Ange Désiré1886
 Yasuda, Hiroshi694
 Yasuda, Hirotake861
 Yasuda, Shingo399
 Yasuji, Takehiko585
 Yasukawa, Ken1187
 Yatsu, Takeyuki21, 1644
 Yeh, Si-Jung288
 Yesilada, Erdem1234
 Yokomori, Sadakazu2003
 Yokota Hirai, Masami1458
 Yokoya, Masashi1410
 Yokoyama, Hideyuki1304
 Yokoyama, Shoko298
 Yomota, Chikako850
 Yoneda, Rieko1148
 Yoneda, Shigetaka708
 Yoneda, Takamitsu509
 Yonemitsu, Osamu855, 1761
 Yonemochi, Etsuo208, 231
 Yonese, Masakatsu779, 850
 Yoo, Sun Dong798, 1921
 Yook, Chang-Soo879
 Yoshida, Chosaku131
 Yoshida, Junko48
 Yoshida, Katsuya1034
 Yoshida, Kenichi832
 Yoshida, Kouiti1097
 Yoshida, Maki1807
 Yoshida, Makiko1843
 Yoshida, Sei1270
 Yoshida, Takashi687, 1190
 Yoshida, Takashi1286
 Yoshida, Takuji81
 Yoshida, Yuzo60
 Yoshihara, Shin'ichi1226
 Yoshihashi, Yasuo208
 Yoshikawa, Kazuko1093, 1418
 Yoshikawa, Masayuki651, 889,
994, 1039, 1045, 1327, 1429
 Yoshikawa, Masayuki1673, 1720
 Yoshimatsu, Mitsuhiko145, 1395
 Yoshimi, Akihisa817
 Yoshimi, Tomohiro312
 Yoshimitsu, Hitoshi556, 828
 Yoshimoto, Takeshi1452
 Yoshimura, Akiko1359
 Yoshimura, Yoshinobu1299
 Yoshioka, Kimitomo1778
 Yoshioka, Sumie283

Yoshioka, Yoshio	1270	Yumoto, Nobuyuki	1427	Zahid, Muhammad	1597	Zheng, Ailian	238
Yoshitake, Yasuyuki	1652	Yun, Young Sook	1990	Zaitsu, Kiyoshi	1236, 2011	Zheng, Bao-Zhong	855, 1761
Yu, Lin	1912	Yurimoto, Hiroya	1051	Zee, Ok Pyo	1766	Zhu, Xing-Hua	568
Yu, Qian	752			Zenda, Hiroshi	1205	Zografos, Alexandros	211
Yu, Yan	56	(Z)		Zevgeegiin, Oyun	353	Zuo, Peng	865
Yukishige, Koichi	1270			Zhang, Hao	1413		
Yukita, Ayako	454	Zafar, Farah Naz	1597	Zhao, Wei-Min	1109		

CHEMICAL & PHARMACEUTICAL BULLETIN

Vol. 48 2000

KEYWORD INDEX

No. 1	pp.	1— 166
No. 2	pp.	167— 314
No. 3	pp.	315— 446
No. 4	pp.	447— 592
No. 5	pp.	593— 756
No. 6	pp.	757— 896
No. 7	pp.	897—1104
No. 8	pp.	1105—1248
No. 9	pp.	1249—1398
No. 10	pp.	1399—1596
No. 11	pp.	1597—1846
No. 12	pp.	1847—2020

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- (A)
- ab initio* molecular orbital method; β -lactamase; tetrahedral intermediate447
- Abies sachalinensis*; Pinaceae; rearranged lanostane1917
- Abrusin 2''-O- β -D-apioside; biotransformation; C-glycoside1239
- Absorption enhancer; *n*-alkyltrimethylammonium; skin permeation1698
- Abutiloside; cholestane glycoside; *Solanum abutiloides*556
- Ac-(*E*)- Δ Phe-NHMe; (*E*)-dehydrophenylalanine; α,β -dehydroamino acid296
- Acanthopanax divaricatus* var. *albeofructus*; Araliaceae; 3,4-*seco*-lupane triterpene879
- Acetoacetic ester; tetrahydrofuran; tetrahydropyran1581
- Acetogenin; *Annona montana*; Annonaceae1109
- 3-Acetyl-5-cyano-1,2,4-thiadiazole; phenylpyrazole; indole160
- 3 β -Acetoxy-11 α -ethoxy-12-ursene; *Ficus microcarpa*; 3 β -acetoxy-11 α -hydroperoxy-12-ursene593
- 3 β -Acetoxy-11 α -hydroperoxy-12-ursene; *Ficus microcarpa*; 3 β -acetoxy-11 α -ethoxy-12-ursene593
- 6''-Acetylapiin; phytoestrogen; *Petroselinum crispum*1039
- N*-Acetyldopamine dimer; *Cryptotympana* sp.; 1,4-benzodioxane1749
- Acetylsalicylic acid; spherical crystallization; flowability1877
- π -Acid; polymeric dicyanoketene acetal; recyclable catalyst1010
- Acridone alkaloid; quinolone alkaloid; *Glycosmis citrifolia*65
- Acridone alkaloid; *Severinia buxifolia*; Rutaceae85
- Acrylic polymer; basic amino acid; lysine1828
- Actinidine-type monoterpene alkaloid; *Incarvillea delavayi*; delavayine B1826
- Acyl-CoA: cholesterol acyltransferase inhibitor; indoline derivative; anti-oxidant817
- Acylated flavonol glycoside; *Vicia amurensis*; Leguminosae1242
- Acylated flavonol triglycoside; *Galega officinalis*; Fabaceae281
- Acylated isoflavone glucoside; *Pterocarpus santalinus*; Fabaceae1373
- C-Acylation reaction; quinolone; *N*-hydroxysuccinimide ester211
- Acyloin; trifluoromethyl; α -hydroxy ketone1338
- Adrenergic α_2 -ligand; veinotonic agent; imidazolidine derivative729
- α_1 -Adrenoceptor antagonist; serotonin 2 receptor antagonist; pyrrolo[2,3-*c*]azepine1129
- Adsorptive stripping voltammetry; secnidazole600
- Agonist; motilide; motilin1835
- AIDS; HIV protease; inhibitor1310
- Ajuga reptans* var. *atropurpurea*; 20-hydroxyecdysone; biosynthesis344
- Alangiaceae; *Alangium kurzii*; 6-O-methyl-*N*-deacetylpeposidic acid415
- Alangium kurzii*; Alangiaceae; 6-O-methyl-*N*-deacetylpeposidic acid415
- Albiflorin; Kampo medicine; dissolution1782
- Albuterol sulfate; lactose; Andersen cascade impactor167
- Alcohol, ether solution; Monte Carlo simulation; spatial distribution function957
- Aldehyde; nitrodienamine; 2-substituted 3-nitro-1,2-dihydropyridine436
- Alkali labile lesion; C-4' oxidized nucleotide; lactam1384
- Alkaloid; aminal; norzoanthamine1370
- Alkaloid; cigarette; mainstream1990
- Alkaloid; quinolone; *Sarcomelicope megistophylla*2009
- (6*S*,8*R*)-Alkane-6,8-diol; Compositae; flower1187
- Alkoxylation; steroidal D-ring ketol; trimethylsilyl iodide1215
- 5-Alkyl-9-methyl-1,4-benzodiazepine; dual CCK-A, -B antagonist; pancreatitis1
- Alkylation; bidentate amine; tridentate amine1529
- Alkylation; 2-nitrobenzenesulfonamide (Ns) group; protecting, activating group1570
- Alkylation; PDE 4 inhibitor; anti-asthmatic agent589
- Alkylidenemalonate; samarium diiodide; reductive dimerization1799
- α -(Alkylthio)- α,α -difluoroacetophenone; *gem*-difluorination; *N*-fluoropyridinium1097
- n*-Alkyltrimethylammonium; skin permeation; absorption enhancer1698
- Allene; [2+2]cycloaddition; Lewis acid405
- Allene; fluoro enol ether; sulfone1395
- Allium tuberosum*; steroidal oligoglycoside; spirostanol362
- AM1 semiempirical method; carbonucleoside; purine derivative293
- Aminal; alkaloid; norzoanthamine1370
- 3-Amino-4-fluoromethylpyrrolidine; 8-methoxyquinolone; micronuclei-formation1667
- 5-Amino-2-nitrobenzoic acid; *p*-nitroanilide; solid-phase peptide synthesis1740
- α -Aminoalcohol; trifluoromethyl ketone; Dakin-West reaction114
- 2-Aminonicotinic acid; chemiluminescence; methylglyoxal1236
- Amorphous complex; tolbutamide; 2-hydroxypropyl- β -cyclodextrin646
- Amorphous form; paracetamol; polymorphism1105
- Amorphous lactose; temperature-induced crystallization; tablet tensile strength585
- Amphidinium* sp.; dinoflagellate; polyhydroxyl compound1447
- Amphimedon* sp.; sponge; bis-pyridine alkaloid974
- Amyda japonica* (turtle); higher bile acid; X-ray analysis53
- β -Amyloid peptide; double-stranded peptide; β -turn mimetics920
- Anacardiaceae; *Pistacia chinensis*; phytoestrogen505
- Analog synthesis; duocarmycin SA; ketone α -arylation1558
- Anandamide; cannabinoid; 2-arachidonoylglycerol903
- Anaxagorea luzonensis*; Annonaceae; xanthone1219
- Andersen cascade impactor; albuterol sulfate; lactose167
- Androstane bioside; *Asclepias tuberosa*; thiazolidinone-linked Δ^5 -calotropin991
- Anguivioside A—C; *Solanum anguivi*; Solanaceae568
- Anion-exchange resin; colestimide; methotrexate978
- Annona montana*; acetogenin; Annonaceae1109
- Annonaceae; acetogenin; *Annona montana*1109
- Annonaceae; *Anaxagorea luzonensis*; xanthone1219
- Anoectochilus formosanus*; tissue culture; glycoside1803
- Antagonist; serotonin-2 (5-HT₂) receptor; antiplatelet245
- Anthracene; solubility prediction; cosolvency1866
- Anthracycline; cytotoxicity; lipophilicity150
- Anti-asthmatic agent; PDE 4 inhibitor; alkylation589
- Anti-cancer activity; pyrazolo[1,5-*a*]indole; anti-cancer screening1628
- Anti-cancer screening; pyrazolo[1,5-*a*]indole; anti-cancer activity1628
- Anti-HBeAg; *Kadsura matsudai* HAYATA; C₁₉ homolignan1992
- Anti-HIV-1 activity; mimicking peptide; CPF308
- Anti-HIV; betulinic acid; triterpene1387
- Anti-MRSA sesquiterpenoid; *Ulmus davidiana* var. *japonica*; mansonone F1805
- Anti-oxidant; indoline derivative; acyl-CoA: cholesterol acyltransferase inhibitor817
- Anti-platelet activity; methoxyisoflavanquinone; methoxyflavanquinone964
- Antibacterial activity; carbapenem; trinem716
- Antibacterial quinolone carboxylic acid; DV-7751; optical resolution563
- Antifolate; pyrrolo[2,3-*d*]pyrimidine; *N*⁶-masked ornithine1270
- Antifungal activity; *Cladosporium* sp.; pentanorlanostane1422
- Antifungal activity; imidazole; geraniol60
- Antifungal; 1,2,4-triazole; difluoro(heteroaryl)-methyl derivative982
- Antifungal; triazole; R-102557694
- Antihypertensive; potassium channel activator; 1,4-benzoxazine428
- Antiinflammatory activity; methanesulfoanilide; chromone131
- Antineoplastic; cytotoxin; diyne1776
- Antioxidative activity; fluvastatin; 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitor235
- Antiplasmodial; 1,10-phenanthroline; quinoline1886
- Antiplatelet; serotonin-2 (5-HT₂) receptor; antagonist245
- Antiplatelet; serotonin-2 (5-HT₂) receptor; R-1024441729
- Antisweet substance; *Styrax japonica*; jegosaponin1093
- Antitumor activity; 1,3,5-triazine; pyrimidine1778
- Antitumor agent; ω -chloroalkyl nitrosamine; DNA cross-linking1500
- Aqueous ether solution; spatial distribution function; difference spatial distribution function16
- Aqueous ethylene glycol solution; spatial distribution function; difference spatial distribution function1660
- 1-(β -D-Arabinofuranosyl)-2-thiocytosine; enzymatic regeneration; P388454
- 2-Arachidonoylglycerol; cannabinoid; anandamide903
- Aralia elata*; Araliaceae; 16 α -hydroxyhederagenin838

- Araliaceae; *Acanthopanax divaricatus* var. *albeo-fructus*; 3,4-*seco*-lupane triterpene879
 Araliaceae; *Aralia elata*; 16 α -hydroxyhederagenin838
 Araliaceae; saponin; *Panax pseudo-ginseng*889
Ardisia mamillata; Myrsinaceae; triterpenoid saponin1413
 Arginine vasopressin antagonist; YM-35471; difluorination1644
 Arginine vasopressin antagonist; YM087; conivaptan hydrochloride21
Aristolochia cucurbitifolia; Aristolochiaceae; aristolochic acid derivative1006
Aristolochia heterophylla; Aristolochiaceae; madolin-I—M357
 Aristolochiaceae; *Aristolochia cucurbitifolia*; aristolochic acid derivative1006
 Aristolochiaceae; *Aristolochia heterophylla*; madolin-I—M357
 Aristolochic acid derivative; *Aristolochia cucurbitifolia*; Aristolochiaceae1006
 Arnottin I; palladium reagent; biaryl coupling reaction861
 Aromatase reaction; 16 α -hydroxyandrostenedione; 4 β ,5 β -epoxy steroid1359
 Asclepiadaceae; *Asclepias incarnata*; pregnane glycoside516
 Asclepiadaceae; *Asclepias incarnata*; pregnane glycoside99
 Asclepiadaceae; *Marsdenia tomentosa*; pregnane glycoside154
Asclepias fruticosa; 5,11-epoxymegastigmane; ascleposide1908
Asclepias incarnata; Asclepiadaceae; pregnane glycoside516
Asclepias incarnata; Asclepiadaceae; pregnane glycoside99
Asclepias tuberosa; androstane bioside; thiazolidinone-linked Δ^5 -calotropin991
Asclepias tuberosa; pregnane glycoside; 3 β ,8 β ,14 β ,15 β ,16 α -pentahydroxy-5 α -pregnan-20-one1017
 Ascleposide; 5,11-epoxymegastigmane; *Asclepias fruticosa*1908
 Ascorbic acid; autoxidation; copper ion908
 Aspartame; crystal transformation; thermal analysis708
Aspergillus terreus; solid state fermentation; butyrolactone559
 Aspidiaceae; *Dryopteris fragrans*; phloroglucinol derivative1190
 Asp-Phe-NH₂; Z-Gly-Phe-NH₂; Tyr-Lys-NH₂374
 Assamsaponin; *Camellia sinensis* var. *assamica*; tea plant1720
Aster scaber; Asteraceae; caffeoyl quinic acid1796
 Asteraceae; *Aster scaber*; caffeoyl quinic acid1796
Astragalus oleifolius; cycloartane-type triterpene; macrophyllsaponin E, Leguminosae1081
Astragalus vulneraria; Leguminosae; flavonol glycoside1994
 Asymmetric catalysis; Strecker-type reaction; bifunctional catalyst1586
 Asymmetric fluorination; *N*-fluorosultam; α -fluoroketone1954
 Asymmetric oxidation; hypervalent iodine reagent; sulfoxide445
 Asymmetric reaction; catalysis; enolate1577
 Asymmetric spirocyclization; Lewis acid; 1,2-diol1536
 Asymmetric transfer hydrogenation; β -glucosides; 3-hydroxy-7,8-didehydro- β -ionol2017
 Atmospheric pressure chemical ionization; diterpenoid alkaloid; 12-*epi*-lucidusculine 12,15-diacetyl-1-*epi*-luciculine1065
 Atmospheric pressure chemical ionization; C₁₉-norditerpenoid alkaloid; 1-*epi*-neoline660
 Aureolic acid; multidrug resistance; *C*-glycoside575
 Autoxidation; ascorbic acid; copper ion908
Avicennia alba; naphthoquinone; phytoalexin339
 1-Azadiene; Diels-Alder; *o*-indoloquinone893
 Azocine; 1,2-cycloalkanopyrrolidine; ring closing metathesis (RCM)1593
- (B)
- Base-pairing; DNA; borane complex1745
 Basic amino acid; acrylic polymer; lysine1828
 Bending test; excipient; tensile strength769
 Benign prostatic hyperplasia; 5 α -reductase; structure-activity relationship552
 Benign prostatic hypertrophy; 5 α -reductase inhibitor; indole derivative382
 Benign prostatic hypertrophy; 5 α -reductase inhibitor; YM-361171689
 Benzaldehyde; 2-hydroxybenzoyl hydrazone derivative; corrosion636
 1,4-Benzodioxane; *Cryptotympana* sp.; *N*-acetyldopamine dimer1749
 Benzoic acid; electroporation; skin permeation1807
 Benzophenone; *Polygala telephioides*; Polygalaceae1354
 [1]Benzopyrano[2,3,4-*kl*]acridin-3-ol; heterocyclic compound; [1]benzothiopyrano[2,3,4-*kl*]acridin-3-ol1380
 Benzoquinone; biotransformation; microbial transformation45
 [1]Benzothiopyrano[2,3,4-*kl*]acridin-3-ol; heterocyclic compound; [1]benzopyrano[2,3,4-*kl*]acridin-3-ol1380
 1,4-Benzoxazine; potassium channel activator; anti-hypertensive428
 14-*O*-Benzoylfloridanolide; *Illicium merrillianum*; sesquiterpene lactone657
N-(2*H*-Benzo[1,4]thiazine-6-carbonyl)guanidine; Na/H exchange inhibitor; quantitative structure-activity relationship843
 Benzyl alcohol; residual solvent; pharmaceutical bulk1299
 3,5-*O*-Benzylidenecyclohexanone; enantioselective deprotonation; chiral base1545
 Betulin-diacetate; oxygenation; methyl 3 β -*O*-acetyl-oleanolate120
 Betulinic acid; anti-HIV; triterpene1387
 Biaryl coupling reaction; arnottin I; palladium reagent861
 Bidentate amine; alkylation; tridentate amine1529
 Bifunctional catalyst; asymmetric catalysis; Strecker-type reaction1586
 Bignoniaceae; micellar electrokinetic chromatography; furanonaphthoquinone873
 2,4'-Biindole; slime mould; indole pigment81
 Bilayer caplet; lamination; hydroxypropylmethylcellulose 2208678
 Bilayer caplet; phenylpropanolamine hydrochloride; hydroxypropylmethylcellulose673
 Bilirubin oxidase; lyophilization; enzyme activity283
 (*R*)-BINAP-Ru(OAc)₂; enantioselective hydrogenation; coumarin derivative1567
 Bioactive metabolite; paecilsporone; marine fungi1452
 Bioadhesion; granules; prosopis gum734
 Biological activity; NG-061; nerve growth factor1470
 Biological isostere; herbicide; 4-isoxazolin-3-one509
 Biological model membrane; TAK-218; ESR784
 Biosynthesis; 20-hydroxyecdysone; *Ajuga reptans* var. *atropurpurea*344
 Biosynthesis; quinolizidine alkaloid; sweet lupin1458
 Biotransformation; abrusin 2''-*O*- β -D-apioside; *C*-glycoside1239
 Biotransformation; enterodiol; enterolactone1606
 Biotransformation; microbial transformation; benzoquinone45
 Biotransformation; microbial transformation; *Piper methysticum*1996
 Biphenyl ether; *Curcuma chuanyujin*; lignan1228
 Bisarylation; triphenylmethane; bisphenol1810
 Bisnorditerpenelactone; *Mikania hirsutissima*; Compositae1774
 Bisphenol; triphenylmethane; bisarylation1810
 Bisquinoline; ethylenediamine; DNA477
 Bitterness; taste sensor; human gustatory sensation1843
 Blood brain barrier; hydroxyl radical; dimethyl sulfoxide467
 Borane complex; DNA; base-pairing1745
 Bovine cathepsin B; CA074; molecular dynamics simulation480
 Bovine serum albumin; dynamic light scattering; thermal aggregation464
 Bovine serum albumin; sodium hyaluronate; complex779
 Brain radiopharmaceutical ligand; one-pot method; diazadioxime288
 α -Bromo ketone; trifluoromethanesulfonic anhydride; α -bromo- α , β -enone1999
 2-Bromo-2-chloro-1,1,1-trifluoroethane; halothane; methylbenzenethiol683
 α -Bromo- α , α -difluoroallyl derivative; 3-bromo-3,3-difluoropropene; difluoroallyl-palladium885
 3-Bromo-3,3-difluoropropene; α -bromo- α , α -difluoroallyl derivative; difluoroallyl-palladium885
 α -Bromo- α , β -enone; trifluoromethanesulfonic anhydride; α -bromo ketone1999
 Bromodifluoroacetate; copper; α , β -unsaturated carbonyl compound1023
Broussonetia kazinoki; pyrrolidine alkaloid; glycosidase inhibitor1281
 Bungeiquinone; *Iris bungei*; dihydrobungeiquinone738
 Butenolide; *Glochidion zeylanicum*; Euphorbiaceae547
N-tert-Butyl-4,4-diphenyl-2-cyclopentylamine; FK584; overactive detrusor1903
 Butyrolactone; *Aspergillus terreus*; solid state fermentation559
 γ -Butyrolactone; lipase; resolution304
- (C)
- CA074; bovine cathepsin B; molecular dynamics simulation480
 CAAX; farnesyltransferase inhibitor; peptidomimetic740
Caesalpinia bonduc; Fabaceae; cassane diterpene1536

-1375
 Caffeoyl quinic acid; *Aster scaber*; Asteraceae1796
 Calorimetry; hydration kinetics; sulfaguanidine208
Camellia sinensis var. *assamica*; assamsaponin; tea plant1720
Canavalia gladiata; canavalioid; gladioside1673
 Canavalioid; gladioside; *Canavalia gladiata*1673
 Cannabinoid; 2-arachidonoylglycerol; anandamide903
 Cannabis; Δ^9 -tetrahydrocannabinol; gas chromatography detector743
 Capillary electrophoresis; single strand conformation polymorphism; ras oncogene774
 Carbapenem; J-111,347; MRSA310
 Carbapenem; synthesis; intramolecular Wittig-type reaction126
 Carbapenem; trinem; antibacterial activity716
 Carbonucleoside; purine derivative; AM1 semiempirical method293
 Carborane; dicarba-closo-dodecaborane; estrogen312
 Carboxymethyl chitosan; sialyl Lewis X; E-selectin1256
 Cardenolide glucohydrolase II (CGH II); cardiac glycoside; structure-specificity relationship ...349
 Cardiac glycoside; cardenolide glucohydrolase II (CGH II); structure-specificity relationship ...349
 Cardiac glycoside; *Erysimum cheiranthoides*; Cruciferae290
Caryopteris incana (THUNB.) MIQ.; Verbenaceae; phenylethanoid glycoside1075
 Cassane diterpene; *Caesalpinia bonduc*; Fabaceae1375
 Catalysis; asymmetric reaction; enolate1577
 Catalytic aldol reaction; enol ester; tetrakis-(pentafluorophenyl)borate1838
 CD-CZE; quaternary tetrahydroprotoberberine *N*-metho salt; enantiomeric separation1790
 CDNA cloning; geranylgeranyl diphosphate synthase; farnesyl diphosphate synthase1101
 Celastraceae; *Glyptopetalum sclerocarpum*; triterpene1347
Celastrus hindsii BENTH; cytotoxicity; 1 β ,2 β ,6 α ,15 β -tetracetoxo-8 β ,9 α -dibenzoyloxy- β -dihydroagarofuran1079
 Cellactose; coprocessed excipient; direct compression458
Cephalotaxus wilsoniana; cytotoxicity; taiwanhomoflavone-A440
 Chalcone synthase; stilbene synthase; cross-reaction1051
 Chemical synthesis; glycosphingolipid; *Spirometra erinacei*1160
 Chemiluminescence; guanidino compound; ninhydrin1841
 Chemiluminescence; methylglyoxal; 2-aminonicotinic acid1236
 Chemiluminescence; *N*-(4-substituted benzyl)isoluminol; luminol2011
 Chiral anisotropic reagent; 2NMA; conformation1208
 Chiral base; enantioselective deprotonation; 3,5-*O*-benzylidene-cyclohexanone1545
 Chiral monophosphines; organometallic catalysis; enantioselectivity315
 Chiral synthesis; tetrahydroisoquinoline; 1,3-dimethyl-1,2,3,4-tetrahydroisoquinoline91
 Chitinase inhibitor; cyclic peptide; *Clonostachys*1442
 Chitosan; chondroitin sulfate; gel579
 Chitosan-alginate PEC film; coacervation; morphology941
 5'-Chloro-3,2'-dihydroxychalcone; rat lens aldose reductase; platelet aggregation1786
 ω -Chloroalkyl nitrosamine; antitumor agent; DNA cross-linking1500
 Chlorpheniramine maleate; ion exchange; X-ray diffraction231
 Chlorpheniramine maleate; maleate degradation; stability-indicating HPLC method1205
 Cholestane glycoside; abutiloside; *Solanum abutiloides*556
 Chondroitin sulfate; chitosan; gel579
 Chromone; antiinflammatory activity; methanesulfoanilide131
Chrysanthemum indicum; kikkanol; NO production inhibitor651
 Cigarette; mainstream; alkaloid1990
Cimicifuga racemosa; 9,19-cyclolanostanol; Ranunculaceae425
 Cinchonain Id 7-*O*- β -D-glucopyranoside; *Eriobotrya japonica*; Rosaceae687
O-Cinnamyl *S*-methyl dithiocarbonate; β -cyclodextrin; pericyclic reaction1652
Cladosporium sp.; pentanorlanostane; antifungal activity1422
Clausena excavata; furanone-coumarin; clauslactone582
 Clauslactone; furanone-coumarin; *Clausena excavata*582
 Clerodane-type; *Jungermannia infusca*; liverwort1818
Clonostachys; chitinase inhibitor; cyclic peptide1442
 Coacervation; chitosan-alginate PEC film; morphology941
 Colestimide; anion-exchange resin; methotrexate978
 Combretaceae; *Combretum quadrangulare*; triterpene glucoside1114
Combretum quadrangulare; Combretaceae; triterpene glucoside1114
Combretum quadrangulare; cycloartane-type triterpene; cytotoxicity496
 Complex forming ability; δ -cyclodextrin; macrocyclic compound1986
 Complex; KCA-098; DM- β -CyD1264
 Complex; sodium hyaluronate; bovine serum albumin779
 Complex; synthesis; stability constant41
 Complex; 1-(phenylacetyl or phenoxyacetyl)-4-phenyl-3-thiosemicarbazide; oxidation266
 Compositae; flower; (6*S*,8*R*)-alkane-6,8-diol1187
 Compositae; *Mikania hirsutissima*; bisnorditerpenelactone1774
 Conduritol F glucoside; *Cynanchum liukiense*; 11-glucosyloxy-megastigmane1090
 Conformation; 2NMA; chiral anisotropic reagent1208
 Conformation; piperazine; X-ray analysis2014
 Conivaptan hydrochloride; YM087; arginine vasopressin antagonist21
 Coordination mode; dithiocarbamate; transition metal914
 Copolymer structure; drug release; mechanochemical polymerization1882
 Copper ion; autoxidation; ascorbic acid908
 Copper(II) chloride; *N*-methylamino acid; racemization-free coupling442
 Copper; bromodifluoroacetate; α , β -unsaturated carbonyl compound1023
 Coprocessed excipient; cellactose; direct compression458
Corchorus depressus; Tiliaceae; cyclolanostane1597
 Corrosion; benzaldehyde; 2-hydroxybenzoyl hydrazone derivative636
 Cosolvency; solubility prediction; anthracene1866
 Coumarin derivative; enantioselective hydrogenation; (*R*)-BINAP-Ru(OAc)₂1567
 Coumarin; micromarin; *Micromelum minutum*334
 Coupling reaction; retinoid X receptor; 9*Z*-retinoic acid analog1391
 CPF; mimicking peptide; anti-HIV-1 activity308
 Crassulaceae; *Umbilicus*; phenylpropanoid1768
 Cross-reaction; chalcone synthase; stilbene synthase1051
 Cruciferae; *Erysimum cheiranthoides*; cardiac glycoside290
Cryptocarya idenburgensis; Lauraceae; idenburgene1726
Cryptotympana sp.; *N*-acetyldopamine dimer; 1,4-benzodioxane1749
 Crystal transformation; aspartame; thermal analysis708
 Cu(II) catalysis; *d*- α -tocopherol; oxidation71
 Cupressaceae; *Platycladus orientalis*; platydiol766
Curcuma chuanyujin; biphenyl ether; lignan ...1228
 Cyanogenic glycoside; sutherlandin-5-*trans-p*-coumarate; *Sorbaria sorbifolia* var. *stellipila*1766
 Cyclic peptide; chitinase inhibitor; *Clonostachys*1442
 Cyclic peptide; neuropeptide Y; Y₁-receptor ...1925
 Cyclic prodrug; opioid peptide; peptidomimetic1138
 Cyclization; nickel; nickelacycle1753
 Cyclization; trimethyl lock; linker238
 Cyclo-triphosphate hexahydrate; phosphorylation; β -D-glucose 1-triphosphate802
 [2+2]Cycloaddition; allene; Lewis acid405
 Cycloaddition; rearrangement; furan ring-opening757
 [4+2] Cycloadduct; 2-thiazolone; 2-thiazolidinone1541
 1,2-Cycloalkanopyrrolidine; ring closing metathesis (RCM); azocine1593
 Cycloartane-type triterpene; *Astragalus oleifolius*; macrophyllsaponin E, Leguminosae1081
 Cycloartane-type triterpene; *Combretum quadrangulare*; cytotoxicity496
 β -Cyclodextrin; *O*-cinnamyl *S*-methyl dithiocarbonate; pericyclic reaction1652
 δ -Cyclodextrin; complex forming ability; macrocyclic compound1986
 Cyclodextrin; liposome; dipalmitoyl phosphatidyl choline48
 β -Cyclodextrin; ¹H-NMR; inclusion mode56
 Cyclodextrin; prednisolone 21-hemisuccinate/ β -cyclodextrin amide conjugate; hydrolysis1125
 Cyclolanostane; *Corchorus depressus*; Tiliaceae1597
 9,19-Cyclolanostanol; *Cimicifuga racemosa*; Ranunculaceae425
 Cyclopentanone; Rhodium-catalyzed cyclization;

- quaternary carbon1822
 Cyclopentyl compound; mytiloxanthin; stereoselective rearrangement1833
 Cyclorivulobirin A—C; *Pleurospermum rivulorum*; cyclospirobifuranocoumarin1246
 Cyclospirobifuranocoumarin; *Pleurospermum rivulorum*; cyclorivulobirin A—C1246
Cynanchum liukiense; conduritol F glucoside; 11-glucosyloxy-megastigmane1090
 Cytotoxicity; anthracycline; lipophilicity150
 Cytotoxicity; *Celastrus hindsii* BENTH; 1 β ,2 β ,6 α ,15 β -tetracetoxo-8 β ,9 α -dibenzoyloxy- β -dihydroagarofuran1079
 Cytotoxicity; *Cephalotaxus wilsoniana*; taiwanhomoflavone-A440
 Cytotoxicity; *Combretum quadrangulare*; cycloartane-type triterpene496
 Cytotoxicity; *Lindera obtusiloba* BLUME; Lauraceae614
 Cytotoxin; antineoplastic; diyne1776
- (D)
- Dakin–West reaction; trifluoromethyl ketone; α -aminoalcohol114
 Decalin skeleton; Lewis acid; 1,2-diol1171
 Dehydration; lisinopril dihydrate; solid state ...1890
 α , β -Dehydroamino acid; Ac-(*E*)- Δ Phe-NHMe; (*E*)-dehydrophenylalanine296
(*E*)-Dehydrophenylalanine; Ac-(*E*)- Δ Phe-NHMe; α , β -dehydroamino acid296
Delavayine B; *Incarvillea delavayi*; actinidine-type monoterpene alkaloid1826
14 α -Demethylase; lanosterol; fluorination1474
2-Deoxy-2,3-didehydroneuraminic acid; methyl 2-thio-*N*-acetylneuraminic acid; DMTST163
Desymmetrization; lipase; 1-ethoxyvinyl benzoate1519
Diazabicyclo[4.1.0]heptene; potassium channel opener; prodrug490
Diazadioxime; brain radiopharmaceutical ligand; one-pot method288
5*H*-Dibenz[*b,f*]azepine derivative; M₂ muscarinic receptor; muscarinic antagonist1611
Dibucaine; ¹H-NMR; lidocaine1293
Dicarba-*closo*-dodecaborane; carborane; estrogen312
Dicarboxylic acid dichloride; diketone; preparation1196
Diels–Alder reaction; 2(*1H*)-pyridone; dimethoxy-1,3-butadiene1814
Diels–Alder; *o*-indoloquinone; 1-azadiene893
Diethylaminocoumarin; fluorophore; thiazole1702
Diethylaminosulfur trifluoride; fluorinative Beckmann fragmentation; fluorination220
Difference spatial distribution function; aqueous ether solution; spatial distribution function16
Difference spatial distribution function; aqueous ethylene glycol solution; spatial distribution function1660
Differentiation; *Hydrangea Dulcis* Folium; M1 cell566
gem-Difluorination; *N*-fluoropyridinium; α -(alkylthio)- α , α -difluoroacetophenone1097
Difluorination; YM-35471; arginine vasopressin antagonist1644
Difluoro(heteroaryl)methyl derivative; antifungal; 1,2,4-triazole982
Difluoroallyl-palladium; 3-bromo-3,3-difluoropropene; α -bromo- α , α -difluoroallyl derivative ...885
13,14-Dihydro PGF_{1 α} ; osteoporosis; sulfonamide1332
Dihydrobungeiquinone; *Iris bungei*; bungeiquinone738
1,2-Dihydropyridine derivative; nitrodienamine; tryptamine1898
1 α ,25-Dihydroxyvitamin D₃; 1 α -hydroxyvitamin D₃; pharmacokinetics215
 α -Diimine Fe²⁺-complex; intercalation; Mössbauer study1602
Diketone; preparation; dicarboxylic acid dichloride1196
Dimer; eugenol; lipid peroxidation1467
Dimethoxy-1,3-butadiene; Diels–Alder reaction; 2(*1H*)-pyridone1814
Dimethyl sulfoxide; hydroxyl radical; blood brain barrier467
1,3-Dimethyl-1,2,3,4-tetrahydroisoquinoline; tetrahydroisoquinoline; chiral synthesis91
N,N-Dimethylaniline; PM3; oxidation1378
Dinoflagellate; *Amphidinium* sp.; polyhydroxyl compound1447
1,2-Diol; asymmetric spirocyclization; Lewis acid1536
1,2-Diol; decalin skeleton; Lewis acid1171
Diosphenol esterification; quassinoid conversion; lipophilic side chain876
Diospyros maritima; Ebenaceae; trinorlupane1211
Dipalmitoyl phosphatidyl choline; cyclodextrin; liposome48
Dipalmitoylphosphatidylcholine; liposome; soybean-derived sterylglucoside610
Diplazium subsinuatum; fern; hopane-triterpene lactone glycoside1930
Dipterocarpaceae; *Shorea hemsleyana*; stilbene1001
Dipterocarpaceae; *Shorea hemsleyana*; stilbenoid1959
Direct compression; coprocessed excipient; cellactose458
Disproportionation; disulfide; nitric oxide1524
Dissolution; Kampo medicine; albiflorin1782
Distamycin; DNA cleavage; sequence-specific cleavage603
Disulfide bond linkage system; insulin-like growth factor I; somatomedin C1304
Disulfide; nitric oxide; disproportionation1524
Diterpene; *Rabdosia rubescens*; *ent*-kaurene148
Diterpenoid alkaloid; atmospheric pressure chemical ionization; 12-*epi*-lucidusculine 12,15-diacetyl-1-*epi*-luciculine1065
Dithiocarbamate; coordination mode; transition metal914
Diyne; antineoplastic; cytotoxin1776
DM- β -CyD; KCA-098; complex1264
DMTST; methyl 2-thio-*N*-acetylneuraminic acid; 2-deoxy-2,3-didehydroneuraminic acid163
DNA cleavage; sequence-specific cleavage; distamycin603
DNA cross-linking; ω -chloroalkyl nitrosamine; antitumor agent1500
DNA topoisomerase II; etoposide; podophyllotoxin486
DNA; base-pairing; borane complex1745
DNA; bisquinoline; ethylenediamine477
Dopamine D₂; serotonin 5-HT₃ receptor; dopamine D₃1847
Dopamine D₃; serotonin 5-HT₃ receptor; dopamine D₂1847
Double-stranded peptide; β -turn mimetics; β -amyloid peptide920
Drug release; mechanochemical polymerization; copolymer structure1882
Dryopteris fragrans; Aspidiaceae; phloroglucinol derivative1190
DTPA; neutron capture therapy; MR imaging1034
Dual CCK-A, -B antagonist; pancreatitis; 5-alkyl-9-methyl-1,4-benzodiazepine1
Duocarmycin SA; analog synthesis; ketone α -arylation1558
DV-7751; antibacterial quinolone carboxylic acid; optical resolution563
Dynamic light scattering; bovine serum albumin; thermal aggregation464
- (E)
- Ebenaceae; *Diospyros maritima*; trinorlupane1211
Ecteinascidin; safracin; synthesis1549
Electron acceptor; resorufin; glucose oxidase ...897
Electrophilic fluorination; fluorovitamin D; vitamin D–sulfur dioxide adduct1484
Electroporation; skin permeation; benzoic acid1807
Emericella aurantio-brunnea; fungal metabolite; immunosuppressant1436
Enantiomeric separation; CD-CZE; quaternary tetrahydroprotoberberine *N*-metho salt1790
Enantioselective acetylation; lipase; total synthesis272
Enantioselective benzylation; enantioselective hydrolysis; lipase1176
Enantioselective deprotonation; 3,5-*O*-benzylidene-cyclohexanone; chiral base1545
Enantioselective deprotonation; 1-phenylethylamine; 1-(1-naphthyl)ethylamine571
Enantioselective hydrogenation; (*R*)-BINAP–Ru(OAc)₂; coumarin derivative1567
Enantioselective hydrolysis; enantioselective benzylation; lipase1176
Enantioselectivity; chiral monophosphines; organometallic catalysis315
Energy; high shear mixer; melt pelletization420
Enol ester; catalytic aldol reaction; tetrakis-(pentafluorophenyl)borate1838
Enol ether; trifluoromethyl; vinyl sulfide145
Enolate; asymmetric reaction; catalysis1577
Enterodiol; biotransformation; enterolactone ...1606
Enterolactone; biotransformation; enterodiol ...1606
Enzymatic regeneration; 1-(β -*D*-arabinofuranosyl)-2-thiocytosine; P388454
Enzyme activity; lyophilization; bilirubin oxidase283
Enzyme inhibitor; α -glucosidase; phthalimide1494
4 β ,5 β -Epoxy steroid; aromatase reaction; 16 α -hydroxyandrostenedione1359
5,11-Epoxy-megastigmane; ascleposide; *Asclepias fruticosa*1908
Eriobotrya japonica; Rosaceae; cinchonain Id 7-*O*- β -*D*-glucopyranoside687
Erysimum cheiranthoides; Cruciferae; cardiac glycoside290
ESR; hydroxyl radical; scavenging330
ESR; TAK-218; biological model membrane ...784
Estrogen; carborane; dicarba-*closo*-dodecaborane312
Ethenzamide; ibuprofen; number of contact140
1-Ethoxyvinyl benzoate; lipase; desymmetrization

.....1519
 Ethylenediamine; bisquinoline; DNA477
 2-Ethynylbenzaldehyde; isoquinoline; *N*-oxide669
 Etoposide; DNA topoisomerase II; podophyllotoxin486
 Eudesmane; *Ficus pumila* fruit; sesquiterpenoid glycoside77
 Eugenol; dimer; lipid peroxidation1467
 Euphorbiaceae; *Glochidion zeylanicum*; butenolide547
 Euphorbiaceae; *Glochidion zeylanicum*; lignan1084
Euptelea polyandra; eupteleasaponin; gastroprotective activity1045
 Eupteleasaponin; *Euptelea polyandra*; gastroprotective activity1045
Euscaphis japonica; Staphyleaceae; megastigmene752
 Excipient; bending test; tensile strength769

(F)

Fabaceae; *Caesalpinia bonduc*; cassane diterpene1375
 Fabaceae; *Galega officinalis*; acylated flavonol triglycoside281
 Fabaceae; *Pterocarpus santalinus*; acylated isoflavone glucoside1373
 Farnesyl diphosphate synthase; geranylgeranyl diphosphate synthase; cDNA cloning1101
 Farnesyltransferase inhibitor; CAAX; peptidomimetic740
 Fe complex; superoxide; Fe-TPEN1514
 Fe-TPEN; superoxide; Fe complex1514
 Fenugreek; *Trigonella foenum-graecum*; trigonoeside Xa—XIIIa994
 Fern; *Diplazium subsinuatum*; hopane-triterpene lactone glycoside1930
Ferula feruloides; Umbelliferae; sesquiterpenoid353
 Fibrate; piperidine; hypolipidemic1978
Ficus microcarpa; 3 β -acetoxy-11 α -ethoxy-12-ursene; 3 β -acetoxy-11 α -hydroperoxy-12-ursene593
Ficus microcarpa; Moraceae; ficusal1862
Ficus pumila fruit; sesquiterpenoid glycoside; eudesmane77
 Ficusal; *Ficus microcarpa*; Moraceae1862
 FK584; *N*-tert-butyl-4,4-diphenyl-2-cyclopentylamine; overactive detrusor1903
 Flavonol glycoside; *Astragalus vulneraria*; Leguminosae1994
 Flowability; acetylsalicylic acid; spherical crystallization1877
 Flower; Compositae; (6*S*,8*R*)-alkane-6,8-diol1187
 Fluorescence emission mechanism; methoxycoumarin; fluorophore256
 Fluorination; fluorinative Beckmann fragmentation; diethylaminosulfur trifluoride220
 Fluorination; lanosterol; 14 α -demethylase1474
 Fluorinative Beckmann fragmentation; fluorination; diethylaminosulfur trifluoride220
 Fluoro enol ether; allene; sulfone1395
 α -Fluoroketone; asymmetric fluorination; *N*-fluorosultam1954
 Fluorophore; diethylaminocoumarin; thiazole1702
 Fluorophore; methoxycoumarin; fluorescence emission mechanism256

N-Fluoropyridinium; *gem*-difluorination; α -(alkylthio)- α,α -difluoroacetophenone1097
N-Fluorosultam; asymmetric fluorination; α -fluoroketone1954
 Fluorovitamin D; vitamin D-sulfur dioxide adduct; electrophilic fluorination1484
 Fluvastatin; 3-hydroxy-3-methylglutaryl coenzyme A reductase inhibitor; antioxidative activity235
 Free radical; superoxide dismutase mimics; tetrakis-*N,N,N',N'*-(2-pyridylmethyl)ethylenediamine223
 Fungal metabolite; *Emericella aurantio-brunnea*; immunosuppressant1436
 Fungicidal activity; 1*H*-1,2,4-triazole; silicon1148
 Furan derivative; oxamide derivative; plant growth regulator1363
 Furan ring-opening; rearrangement; cycloaddition757
 Furanonaphthoquinone; micellar electrokinetic chromatography; Bignoniaceae873
 Furanone-coumarin; clauslactone; *Clausena excavata*582
 Furoxan derivative; vasodilation; nitric oxide808

(G)

Galega officinalis; Fabaceae; acylated flavonol triglycoside281
 Ganglioside; glycosphingolipid; sea cucumber157
 Ganoderic acid γ - θ ; lanostane-type triterpene; *Ganoderma lucidum*1026
Ganoderma lucidum; ganoderic acid γ - θ ; lanostane-type triterpene1026
 Gardeniae Fructus; Rubiaceae; iridoid746
 Gas chromatography detector; cannabis; Δ^9 -tetrahydrocannabinol743
 Gastroprotective activity; *Euptelea polyandra*; eupteleasaponin1045
 GC/MS; thermal desorption; residual solvent1894
 Gel; chitosan; chondroitin sulfate579
 Gelatine capsules; hydroxypropyl methylcellulose capsules; shell dissolution951
 Geraniol; imidazole; antifungal activity60
 Geranylgeranyl diphosphate synthase; farnesyl diphosphate synthase; cDNA cloning1101
Geum japonicum; triterpene; geumonoid1367
 Geumonoid; *Geum japonicum*; triterpene1367
 Ginsenoside; microsomal metabolite; 20(*S*)-protopanaxatriol1226
 Gladioside; canavalioid; *Canavalia gladiata*1673
 Glicoisoflavanone; licorice; glicophenone1286
 Glicophenone; licorice; glicoisoflavanone1286
Glochidion zeylanicum; Euphorbiaceae; butenolide547
Glochidion zeylanicum; Euphorbiaceae; lignan1084
 β -Glucosides; 3-hydroxy-7,8-didehydro- β -ionol; asymmetric transfer hydrogenation2017
 β -D-Glucose 1-triphosphate; phosphorylation; cyclo-triphosphate hexahydrate802
 Glucose oxidase; resorufin; electron acceptor897
 α -Glucosidase; enzyme inhibitor; phthalimide1494
 11-Glucosyloxy-megastigmene; *Cynanchum liukiuense*; conduritol F glucoside1090
 Glycosidase inhibitor; pyrrolidine alkaloid; *Brous-*

sonetia kazinoki1281
 C-Glycoside; abrusin 2'-*O*- β -D-apioside; biotransformation1239
 Glycoside; *Anoectochilus formosanus*; tissue culture1803
 C-Glycoside; multidrug resistance; aureolic acid575
Glycosmis citrifolia; acridone alkaloid; quinolone alkaloid65
 Glycosphingolipid; ganglioside; sea cucumber157
 Glycosphingolipid; *Spirometra erinacei*; chemical synthesis1160
Glyptopetalum sclerocarpum; Celastraceae; triterpene1347
 Granules; bioadhesion; prosopis gum734
Grifola frondosa; phytosphingosine-type ceramide; Polyporaceae1356
 Guanidino compound; chemiluminescence; ninhydrin1841

(H)

H-Accepting scale; H-bonding; hydrophobicity1973
 H-Bonding; H-accepting scale; hydrophobicity1973
 Halothane; 2-bromo-2-chloro-1,1,1-trifluoroethane; methylbenzenethiol683
 Hepatic first-pass metabolism; itraconazole; hydroxyitraconazole798
 Herbicide; biological isostere; 4-isoxazolin-3-one509
 Heterocyclic compound; [1]benzopyrano[2,3,4-*kl*]acridin-3-ol; [1]benzothiopyrano[2,3,4-*kl*]acridin-3-ol1380
 High shear granulation; monitoring; image processing1154
 High shear mixer; energy; melt pelletization420
 High shear mixer; melt pelletization; micromeritic property1639
 Higher bile acid; X-ray analysis; *Amyda japonica* (turtle)53
 Hildebrand solubility approach; multiple solubility maxima; oxolinic acid175
 Hinokiresinol; phytoestrogen; stereochemistry389
 HIV protease; inhibitor; AIDS1310
 HIV-protease; triterpene; oleanolic acid1681
 Homoallylic alcohol; one-pot synthesis; *N*-oxide306
 C₁₉ Homolignan; *Kadsura matsudai* HAYATA; anti-HBeAg1992
 Homooxalix[3]arene; host compound; molecular recognition882
 Hopane-triterpene lactone glycoside; *Diplazium subsinuatum*; fern1930
 Host compound; homooxalix[3]arene; molecular recognition882
 HPLC-ED; α -tocopherol; α -tocopherylquinone1462
 Human gustatory sensation; taste sensor; bitterness1843
 Human immunodeficiency virus; *Juglans mandshurica*; naphthalenyl glucopyranoside194
 Hyaluronic acid; hydroxyethyl acrylate; hydrogel850
Hydrangea Dulcis Folium; differentiation; M1 cell566
 Hydration kinetics; calorimetry; sulfaguanidine208

- Hydrogel; hyaluronic acid; hydroxyethyl acrylate850
- Hydrogenation; 5-nitromethyl-1-azabicyclo[3.3.0]octane; piracetam-like nootropics1121
- Hydrolysis; cyclodextrin; prednisolone 21-hemisuccinate/ β -cyclodextrin amide conjugate1125
- Hydrophobicity; H-bonding; H-accepting scale1973
- α -Hydroxy ketone; acyloin; trifluoromethyl1338
- 3-Hydroxy-7,8-didehydro- β -ionol; β -glucosides; asymmetric transfer hydrogenation2017
- 3-Hydroxy-3-methylglutaryl coenzyme A reductase inhibitor; fluvastatin; antioxidative activity235
- 16 α -Hydroxyandrostenedione; aromatase reaction; 4 β ,5 β -epoxy steroid1359
- 2-Hydroxybenzoyl hydrazone derivative; benzaldehyde; corrosion636
- 20-Hydroxyecdysone; *Ajuga reptans* var. *atropurpurea*; biosynthesis344
- Hydroxyethyl acrylate; hyaluronic acid; hydrogel850
- 16 α -Hydroxyhederagenin; Araliaceae; *Aralia elata*838
- Hydroxyitraconazole; itraconazole; hepatic first-pass metabolism798
- Hydroxyl radical; dimethyl sulfoxide; blood brain barrier467
- Hydroxyl radical; ESR; scavenging330
- Hydroxylation; superoxide; nitroarene1532
- Hydroxypropyl methylcellulose capsules; gelatine capsules; shell dissolution951
- 2-Hydroxypropyl- β -cyclodextrin; tolbutamide; amorphous complex646
- Hydroxypropyl- γ -cyclodextrin; tolbutamide; solubility793
- Hydroxypropylmethylcellulose 2208; lamination; bilayer caplet678
- Hydroxypropylmethylcellulose; bilayer caplet; phenylpropanolamine hydrochloride673
- N-Hydroxysuccinimide ester; quinolone; C-acylation reaction211
- 1 α -Hydroxyvitamin D₃; 1 α ,25-dihydroxyvitamin D₃; pharmacokinetics215
- Hypervalent iodine reagent; asymmetric oxidation; sulfoxide445
- Hypolipidemic; fibrate; piperidine1978
- Hyuganin; vasorelaxant activity; khellactone1429
- (I)
- Ibuprofen; ethenzamide; number of contact140
- Idenburgene; *Cryptocarya idenburgensis*; Lauraceae1726
- Illicium merrillianum*; sesquiterpene lactone; 14-O-benzoylfloridanolide657
- Image processing; high shear granulation; monitoring1154
- Imidazole; geraniol; antifungal activity60
- Imidazole; 1,3-oxazolium-5-olate; trifluoroacetyl compound410
- Imidazolidine derivative; adrenergic α_2 -ligand; veinotonic agent729
- Imidazo[1,2-a]pyridine; non-steroidal P450 aromatase inhibitor; synthesis935
- Immobilized metal-porphine; oxidation catalyst; oxidation of phenol1831
- Immunoadjuvant; lipid A analog; mitogenic activity32
- Immunosuppressant; fungal metabolite; *Emericella aurantio-brunnea*1436
- Incarvillea delavayi*; actinidine-type monoterpene alkaloid; delavayine B1826
- Inclusion mode; ¹H-NMR; β -cyclodextrin56
- Indole alkaloid; *Uncaria tomentosa*; Uña de Gato (Cat's Claw)1410
- Indole derivative; 5 α -reductase inhibitor; benign prostatic hypertrophy382
- Indole pigment; slime mould; 2,4'-biindole81
- Indole; 3-acetonyl-5-cyano-1,2,4-thiadiazole; phenylpyrazole160
- Indole; synthesis; seven-membered ring1872
- Indoline derivative; acyl-CoA: cholesterol acyltransferase inhibitor; anti-oxidant817
- o*-Indoloquinone; Diels-Alder; 1-azadiene893
- Indonesian medicinal plant; *Orthosiphon aristatus*; Lamiaceae433
- Inhibitor; HIV protease; AIDS1310
- Insulin-like growth factor I; somatomedin C; disulfide bond linkage system1304
- Intercalation; Mössbauer study; α -diimine Fe²⁺-complex1602
- Intramolecular Wittig-type reaction; carbapenem; synthesis126
- Ion exchange; chlorpheniramine maleate; X-ray diffraction231
- Iridoid; Gardeniae Fructus; Rubiaceae746
- Iris bungei*; bungeiquinone; dihydrobungeiquinone738
- Iso-grayanotoxin II; *Leucothoe grayana* MAX.; lethal dosage142
- Isoquinolin-3-one; protoberberine alkaloid; 13-methylprotoberberine399
- Isoquinoline alkaloid; *Stephania cepharantha*; protoberberine N-metho salt370
- Isoquinoline; 2-ethynylbenzaldehyde; N-oxide669
- 4-Isoxazolin-3-one; biological isostere; herbicide509
- O*-(5-Isoxazolyl)-L-serine; synthesis; pharmacological activity278
- Itraconazole; hydroxyitraconazole; hepatic first-pass metabolism798
- (J)
- J-111,347; carbapenem; MRSA310
- Jasminum nudiflorum*; Oleaceae; secoiridoid glucoside1200
- Jegosaponin; *Styrax japonica*; antisweet substance1093
- Juglans mandshurica*; human immunodeficiency virus; naphthalenyl glucopyranoside194
- Jungermannia infusca*; liverwort; clerodane-type1818
- (K)
- Kadsura matsudai* HAYATA; anti-HBeAg; C₁₉ homolignan1992
- Kampo formula; prolyl endopeptidase inhibitor; Tokaku-joki-to (桃核承氣湯)1055
- Kampo medicine; dissolution; albiflorin1782
- ent*-Kaurene; *Rabdosia rubescens*; diterpene148
- KCA-098; DM- β -CyD; complex1264
- Ketone α -arylation; duocarmycin SA; analog synthesis1558
- Khellactone; hyuganin; vasorelaxant activity1429
- Kikkanol; *Chrysanthemum indicum*; NO production inhibitor651
- (L)
- Labiatae; *Marrubium globosum* ssp. *globosum*; marrubiglobosin1234
- Lactam; C-4' oxidized nucleotide; alkali labile lesion1384
- β -Lactamase; tetrahedral intermediate; *ab initio* molecular orbital method447
- Lactose carrier; surface roughness; salbutamol sulphate393
- Lactose monohydrate; saccharose; mannitol179
- Lactose; albuterol sulfate; Andersen cascade impactor167
- Laetiporus versisporus*; versisporic acid; laetiposide1418
- Laetiposide; *Laetiporus versisporus*; versisporic acid1418
- Lamiaceae; Indonesian medicinal plant; *Orthosiphon aristatus*433
- Lamination; bilayer caplet; hydroxypropylmethylcellulose 2208678
- Lanostane-type triterpene; ganoderic acid γ - θ ; *Ganoderma lucidum*1026
- Lanosterol; 14 α -demethylase; fluorination1474
- Lauraceae; *Cryptocarya idenburgensis*; idenburgene1726
- Lauraceae; *Lindera obtusiloba* BLUME; cytotoxicity614
- Leguminosae; *Astragalus vulneraria*; flavonol glycoside1994
- Leguminosae; *Maackia amurensis*; (-)-6 α -methoxylupanine641
- Leguminosae; *Melilotus officinalis*; triterpene saponin286
- Leguminosae; *Vicia amurensis*; acylated flavonol glycoside1242
- Lentinula edodes*; sterol; *Tricholoma matsutake*749
- Lethal dosage; iso-grayanotoxin II; *Leucothoe grayana* MAX.142
- Leucothoe grayana* MAX.; iso-grayanotoxin II; lethal dosage142
- Lewis acid; allene; [2+2]cycloaddition405
- Lewis acid; asymmetric spirocyclization; 1,2-diol1536
- Lewis acid; decalin skeleton; 1,2-diol1171
- Licorice; glicophenone; glicoisoflavanone1286
- Lidocaine; ¹H-NMR; dibucaine1293
- Lignan; *Curcuma chuanyujin*; biphenyl ether1228
- Lignan; *Glochidion zeylanicum*; Euphorbiaceae1084
- Liliaceae; *Tupistra chinensis*; steroidal sapogenin1350
- Limonoid; *Melia azedarach*; meliacarpinin301
- Lindera obtusiloba* BLUME; Lauraceae; cytotoxicity614
- Linker; trimethyl lock; cyclization238
- Lipase; γ -butyrolactone; resolution304
- Lipase; desymmetrization; 1-ethoxyvinyl benzoate1519
- Lipase; enantioselective acetylation; total synthesis272
- Lipase; enantioselective benzoylation; enantioselective hydrolysis1176
- Lipid A analog; mitogenic activity; immunoadjuvant32
- Lipid peroxidation; eugenol; dimer1467
- Lipophilic side chain; quassinoid conversion; diosphenol esterification876
- Lipophilicity; anthracycline; cytotoxicity150

- Liposome; cyclodextrin; dipalmitoyl phosphatidyl choline48
- Liposome; dipalmitoylphosphatidylcholine; soybean-derived sterylglucoside610
- Liposome; remote loading; pH gradient325
- Lisinopril dihydrate; solid state; dehydration ...1890
- Liverwort; *Jungermannia infusca*; clerodane-type1818
- 12-*epi*-Lucidusculine 12,15-diacetyl-1-*epi*-lucicoline; atmospheric pressure chemical ionization; diterpenoid alkaloid1065
- Luminol; chemiluminescence; *N*-(4-substituted benzyl)isoluminol2011
- 3,4-*seco*-Lupane triterpene; *Acanthopanax divaricatus* var. *albeofructus*; Araliaceae879
- Lyophilization; enzyme activity; bilirubin oxidase283
- Lysine; basic amino acid; acrylic polymer1828
- (M)
- M1 cell; differentiation; *Hydrangea Dulcis* Folium566
- M₂ muscarinic receptor; 5*H*-dibenz[*b,f*]azepine derivative; muscarinic antagonist1611
- Maackia amurensis*; Leguminosae; (-)-6- α -methoxylupanine641
- Macrocyclic compound; δ -cyclodextrin; complex forming ability1986
- Macrolactonization; macrolide; 18-membered lactone855
- Macrolide; 18-membered lactone; macrolactonization855
- Macrophyllsaponin E, Leguminosae; *Astragalus oleifolius*; cycloartane-type triterpene1081
- Madolin-I—M; *Aristolochia heterophylla*; Aristolochiaceae357
- Magnolia denudata*; Magnoliaceae; neolignane832
- Magnoliaceae; *Magnolia denudata*; neolignane832
- Mainstream; cigarette; alkaloid1990
- Maleate degradation; chlorpheniramine maleate; stability-indicating HPLC method1205
- Mannitol; lactose monohydrate; saccharose179
- Mansonone F; anti-MRSA sesquiterpenoid; *Ulmus davidiana* var. *japonica*1805
- Marine fungi; bioactive metabolite; paecilsporone1452
- Marine product; stereoselective synthesis; protecting group1761
- Marrubiglobosin; *Marrubium globosum* ssp. *globosum*; Labiatae1234
- Marrubium globosum* ssp. *globosum*; Labiatae; marrubiglobosin1234
- Marsdenia tomentosa*; Asclepiadaceae; pregnane glycoside154
- N*^o-Masked ornithine; pyrrolo[2,3-*d*]pyrimidine; antifolate1270
- Mechanism; transition state; oxazepine755
- Mechanism; transition state; quinoline525
- Mechanochemical polymerization; drug release; copolymer structure1882
- Megastigmane glycoside; *Premna subscandens*; Verbenaceae542
- Megastigmane; *Euscaphis japonica*; Staphyleaceae752
- Melatonin-related compound; peroxydinitrite; scavenger261
- Melia azedarach*; limonoid; meliacarpinin301
- Meliacarpinin; *Melia azedarach*; limonoid301
- Melilotus officinalis*; Leguminosae; triterpene saponin286
- Melt pelletization; energy; high shear mixer420
- Melt pelletization; high shear mixer; micromeritic property1639
- 18-Membered lactone; macrolide; macrolactonization855
- Methanesulfoanilide; antiinflammatory activity; chromone131
- Methotrexate; colestimide; anion-exchange resin978
- Methoxycoumarin; fluorophore; fluorescence emission mechanism256
- Methoxyflavanquinone; methoxyisoflavanquinone; anti-platelet activity964
- Methoxyisoflavanquinone; methoxyflavanquinone; anti-platelet activity964
- (-)-6- α -Methoxylupanine; *Maackia amurensis*; Leguminosae641
- 8-Methoxyquinolone; 3-amino-4-fluoromethylpyrrolidine; micronuclei-formation1667
- Methyl 3 β -*O*-acetyl-oleanolate; oxygenation; betulin-diacetate120
- Methyl 2-thio-*N*-acetylneuraminate; 2-deoxy-2,3-didehydroneuraminic acid; DMTST163
- 6-*O*-Methyl-*N*-deacetylpecosidic acid; *Alangium kurzii*; Alangiaceae415
- N*-Methylamino acid; racemization-free coupling; copper(II) chloride442
- Methylbenzenethiol; halothane; 2-bromo-2-chloro-1,1,1-trifluoroethane683
- Methylglyoxal; chemiluminescence; 2-aminonicotinic acid1236
- 13-Methylprotoberberine; protoberberine alkaloid; isoquinolin-3-one399
- Micellar electrokinetic chromatography; furanaphthoquinone; Bignoniaceae873
- Micelle; surface tension; structure947
- Microbial transformation; biotransformation; benzoquinone45
- Microbial transformation; biotransformation; *Piper methysticum*1996
- Micromarin; coumarin; *Micromelum minutum* ...334
- Micromelum minutum*; coumarin; micromarin ...334
- Micromeritic property; high shear mixer; melt pelletization1639
- Micronuclei-formation; 8-methoxyquinolone; 3-amino-4-fluoromethylpyrrolidine1667
- Microsomal metabolite; ginsenoside; 20(*S*)-protopanaxatriol1226
- Mikania hirsutissima*; Compositae; bisnorditerpenelactone1774
- Mimicking peptide; anti-HIV-1 activity; CPF ...308
- Minocycline hydrochloride; release rate constant; viscosity617
- Mitogenic activity; lipid A analog; immunoadjuvant32
- Molecular dynamics simulation; bovine cathepsin B; CA074480
- Molecular recognition; homooxalix[3]arene; host compound882
- Monitoring; high shear granulation; image processing1154
- Monoterpene glucoside; *Paeonia obovata*; tannin201
- Monte Carlo simulation; alcohol, ether solution; spatial distribution function957
- Moraceae; *Ficus microcarpa*; ficusal1862
- Morphology; chitosan-alginate PEC film; coacervation941
- Motilide; motilin; agonist1835
- Motilin; motilide; agonist1835
- Moutan Cortex; *Paeonia suffruticosa*; paeoniflone1327
- MR imaging; neutron capture therapy; DTPA1034
- MRSA; J-111,347; carbapenem310
- Multidrug resistance; *C*-glycoside; aureolic acid575
- Multiple solubility maxima; hildebrand solubility approach; oxolinic acid175
- Muscarinic antagonist; 5*H*-dibenz[*b,f*]azepine derivative; M₂ muscarinic receptor1611
- Myrica acid; oleanane acid; *Myrica cerifera* ...1427
- Myrica cerifera*; oleanane acid; myrica acid ...1427
- Myrsinaceae; *Ardisia mamillata*; triterpenoid saponin1413
- Mytiloxanthin; stereoselective rearrangement; cyclopentyl compound1833
- Mössbauer study; intercalation; α -diimine Fe²⁺-complex1602
- (N)
- Na/H exchange inhibitor; quantitative structure-activity relationship; *N*-(2*H*-benzo[1,4]thiazine-6-carbonyl)guanidine843
- Naphthalenyl glucopyranoside; human immunodeficiency virus; *Juglans mandshurica*194
- Naphthoquinone; *Avicennia alba*; phytoalexin ...339
- 1-(1-Naphthyl)ethylamine; enantioselective deprotonation; 1-phenylethylamine571
- Neolignane; *Magnolia denudata*; Magnoliaceae832
- 1-*epi*-Neoline; atmospheric pressure chemical ionization; C₁₉-norditerpenoid alkaloid660
- Nerve growth factor; NG-061; biological activity1470
- Neuromedin U; structure-activity relationship; smooth muscle contraction1166
- Neuropeptide Y; Y₁-receptor; cyclic peptide ...1925
- Neutron capture therapy; MR imaging; DTPA1034
- NG-061; nerve growth factor; biological activity1470
- Nickel; cyclization; nickelacycle1753
- Nickelacycle; nickel; cyclization1753
- Ninhydrin; guanidino compound; chemiluminescence1841
- Nitration; *S*-nitrosothiol; phenol1634
- Nitric oxide; disulfide; disproportionation1524
- Nitric oxide; furoxan derivative; vasodilation808
- p*-Nitroanilide; solid-phase peptide synthesis; 5-amino-2-nitrobenzoic acid1740
- Nitroarene; superoxide; hydroxylation1532
- 2-Nitrobenzenesulfonamide (Ns) group; protecting, activating group; alkylation1570
- Nitrodienamine; aldehyde; 2-substituted 3-nitro-1,2-dihydropyridine436
- Nitrodienamine; tryptamine; 1,2-dihydropyridine derivative1898
- 5-Nitromethyl-1-azabicyclo[3.3.0]octane; piracetam-like nootropics; hydrogenation1121
- S*-Nitrosothiol; phenol; nitration1634
- 2NMA; chiral anisotropic reagent; conformation1208
- ¹H-NMR; dibucaine; lidocaine1293
- ¹H-NMR; inclusion mode; β -cyclodextrin56
- NO production inhibitor; kikkanol; *Chrysanthemum indicum*651
- Non-steroidal P450 aromatase inhibitor; imidazo-

- [1,2-*a*]pyridine; synthesis935
 C₁₉-norditerpenoid alkaloid; atmospheric pressure chemical ionization; 1-*epi*-neoline660
 Norditerpenoid alkaloid; 7,17-*seco*-norditerpenoid alkaloid; yunnaconitine1912
 7,17-*seco*-Norditerpenoid alkaloid; norditerpenoid alkaloid; yunnaconitine1912
 Nortriptyline hydrochloride; oil–water microemulsion; partition coefficient1623
 Norzoanthamine; aminal; alkaloid1370
 Number of contact; ibuprofen; ethenzamide140
- (O)
- Oil–water microemulsion; nortriptyline hydrochloride; partition coefficient1623
 Oleaceae; *Jasminum nudiflorum*; secoiridoid glucoside1200
 Oleanane acid; myrica acid; *Myrica cerifera* ...1427
 Oleanolic acid; HIV-protease; triterpene1681
 One-pot method; brain radiopharmaceutical ligand; diazadioxime288
 One-pot synthesis; homoallylic alcohol; *N*-oxide306
 Opioid peptide; cyclic prodrug; peptidomimetic1138
 Optical resolution; DV-7751; antibacterial quinolone carboxylic acid563
 Optically active antifungal azole; 1,2,3-trisubstituted-2-butanol; triazolone1935
 Optically active antifungal azole; TAK-456; 1,2,3-trisubstituted-2-butanol1947
 Organometallic catalysis; chiral monophosphines; enantioselectivity315
Orthosiphon aristatus; Indonesian medicinal plant; Lamiaceae433
Orthosiphon stamineus; staminane-type diterpene; Vietnamese medicinal plant1711
 Osteoporosis; 13,14-dihydro PGF_{1 α} ; sulfonamide1332
 Overactive detrusor; FK584; *N*-*tert*-butyl-4,4-diphenyl-2-cyclopentenylamine1903
 Oxamide derivative; furan derivative; plant growth regulator1363
 Oxazepine; mechanism; transition state755
 1,3-Oxazolium-5-olate; imidazole; trifluoroacetyl compound410
 Oxidation catalyst; immobilized metal–porphine; oxidation of phenol1831
 Oxidation of phenol; oxidation catalyst; immobilized metal–porphine1831
 Oxidation; 1-(phenylacetyl or phenoxyacetyl)-4-phenyl-3-thiosemicarbazide; complex266
 Oxidation; PM3; *N,N*-dimethylaniline1378
 Oxidation; *d*- α -tocopherol; Cu(II) catalysis71
N-Oxide; 2-ethynylbenzaldehyde; isoquinoline669
N-Oxide; one-pot synthesis; homoallylic alcohol306
 C-4' oxidized nucleotide; alkali labile lesion; lactam1384
 Oxolinic acid; multiple solubility maxima; hildebrand solubility approach175
 Oxopropaline D; oxopropaline G; total synthesis108
 Oxopropaline G; oxopropaline D; total synthesis108
 Oxygenation; methyl 3 β -*O*-acetyl-oleanolate; betulin-diacetate120
- (P)
- P388; 1-(β -D-arabinofuranosyl)-2-thiocytosine; enzymatic regeneration454
 Paecilsporone; bioactive metabolite; marine fungi1452
Paeonia emodi; Paeoniaceae; triterpenoid1771
Paeonia obovata; monoterpene glucoside; tannin201
Paeonia suffruticosa; Moutan Cortex; paeonisuffrone1327
 Paeoniaceae; *Paeonia emodi*; triterpenoid1771
 Paeonisuffrone; *Paeonia suffruticosa*; Moutan Cortex1327
 Palladium reagent; arnottin I; biaryl coupling reaction861
Panax pseudo-ginseng; saponin; Araliaceae889
 Pancreatitis; dual CCK-A, -B antagonist; 5-alkyl-9-methyl-1,4-benzodiazepine1
 Paracetamol; polymorphism; amorphous form1105
 Paroxetine hydrochloride; paroxetine529
 Paroxetine; paroxetine hydrochloride529
 Partition coefficient; oil–water microemulsion; nortriptyline hydrochloride1623
 PDE 4 inhibitor; anti-asthmatic agent; alkylation589
 PEGylation; salmon calcitonin; pharmacokinetics1921
 3 β ,8 β ,14 β ,15 β ,16 α -Pentahydroxy-5 α -pregnan-20-one; pregnane glycoside; *Asclepias tuberosa*1017
 Pentanorlanostane; *Cladosporium* sp.; antifungal activity1422
 Peptidomimetic; cyclic prodrug; opioid peptide1138
 Peptidomimetic; farnesyltransferase inhibitor; CAAX740
 Pericyclic reaction; *O*-cinnamyl *S*-methyl dithiocarbonate; β -cyclodextrin1652
 Peroxynitrite; scavenger; melatonin-related compound261
Petroselinum crispum; phytoestrogen; 6"-acetylapiin1039
 PH gradient; liposome; remote loading325
 Pharmaceutical bulk; benzyl alcohol; residual solvent1299
 Pharmacokinetics; 1 α ,25-dihydroxyvitamin D₃; 1 α -hydroxyvitamin D₃215
 Pharmacokinetics; salmon calcitonin; PEGylation1921
 Pharmacological activity; synthesis; *O*-(5-isoxazolyl)-L-serine278
 1,10-Phenanthroline; antiplasmodial; quinoline1886
 Phenol; *S*-nitrosothiol; nitration1634
 1-(Phenylacetyl or phenoxyacetyl)-4-phenyl-3-thiosemicarbazide; complex; oxidation266
 Phenylethanoid glycoside; *Caryopteris incana* (THUNB.) MIQ.; Verbenaceae1075
 1-Phenylethylamine; enantioselective deprotonation; 1-(1-naphthyl)ethylamine571
 Phenylpropanoid; *Umbilicus*; Crassulaceae1768
 Phenylpropanolamine hydrochloride; bilayer caplet; hydroxypropylmethylcellulose673
 Phenylpyrazole; 3-acetyl-5-cyano-1,2,4-thiadiazole; indole160
 Phloroglucinol derivative; *Dryopteris fragrans*; Aspidiaceae1190
 Phosphopeptide; trifluoromethanesulfonic acid (TFMSA); thioester-mediated fragment condensation1230
 Phosphorylation; β -D-glucose 1-triphosphate; cyclo-triphosphate hexahydrate802
 Photoaffinity label; transduction path; rhodopsin1399
 Phthalimide; α -glucosidase; enzyme inhibitor1494
 Phytoalexin; *Avicennia alba*; naphthoquinone ...339
 Phytoestrogen; hinokiresinol; stereochemistry ...389
 Phytoestrogen; *Petroselinum crispum*; 6"-acetylapiin1039
 Phytoestrogen; *Pistacia chinensis*; Anacardiaceae505
 Phytosphingosine-type ceramide; *Grifola frondosa*; Polyporaceae1356
 Pinaceae; *Abies sachalinensis*; rearranged lanostane1917
Piper methysticum; biotransformation; microbial transformation1996
 Piperazine; conformation; X-ray analysis2014
 Piperidine; fibrate; hypolipidemic1978
 Piracetam-like nootropics; 5-nitromethyl-1-azabicyclo[3.3.0]octane; hydrogenation1121
Pistacia chinensis; Anacardiaceae; phytoestrogen505
 Plant growth regulator; furan derivative; oxamide derivative1363
 Plasma kallikrein inhibitor; plasmin inhibitor; selectivity1964
 Plasmin inhibitor; plasma kallikrein inhibitor; selectivity1964
 Plasmin inhibitor; selectivity; structure–activity relationship184
 Platelet aggregation; 5'-chloro-3,2'-dihydroxychalcone; rat lens aldose reductase1786
Platycladus orientalis; Cupressaceae; platydiol766
 Platydiol; *Platycladus orientalis*; Cupressaceae766
Pleurospermum rivulorum; cyclospirobifuranocoumarin; cyclorivulobirin A–C1246
 PM3; *N,N*-dimethylaniline; oxidation1378
 Podophyllotoxin; DNA topoisomerase II; etoposide486
Polygala telephioides; Polygalaceae; benzophenone1354
Polygala telephioides; Polygalaceae; telephiose1223
 Polygalaceae; *Polygala telephioides*; benzophenone1354
 Polygalaceae; *Polygala telephioides*; telephiose1223
 Polyhydroxyl compound; dinoflagellate; *Amphidinium* sp.1447
 Polyhydroxysterol; soft coral; *Sarcophyton troche-liophorum*1087
 Polymeric dicyanoketene acetal; π -acid; recyclable catalyst1010
 Polymorph; TKS159; X-ray powder diffractometry366
 Polymorphism; paracetamol; amorphous form1105
 Polyporaceae; phytosphingosine-type ceramide; *Grifola frondosa*1356
 Polysaccharide; *Tremella aurantia*; structure ...1793
 Potassium channel activator; 1,4-benzoxazine; anti-hypertensive428
 Potassium channel opener; diazabicyclo[4.1.0]heptene; prodrug490
 Prednisolone 21-hemisuccinate/ β -cyclodextrin

- amide conjugate; cyclodextrin; hydrolysis ...1125
 Pregnane glycoside; *Asclepias incarnata*; Asclepiadaceae516
 Pregnane glycoside; *Asclepias incarnata*; Asclepiadaceae99
 Pregnane glycoside; *Marsdenia tomentosa*; Asclepiadaceae154
 Pregnane glycoside; 3 β ,8 β ,14 β ,15 β ,16 α -pentahydroxy-5 α -pregnan-20-one; *Asclepias tuberosa*1017
Premna subscandens; Verbenaceae; megastigmane glycoside542
 Preparation; diketone; dicarboxylic acid dichloride1196
 Prodrug; diazabicyclo[4.1.0]heptene; potassium channel opener490
 Prolyl endopeptidase inhibitor; Tokaku-joki-to (桃核承氣湯); Kampo formula1055
 Prosopis gum; bioadhesion; granules734
 Protecting, activating group; 2-nitrobenzenesulfonamide (Ns) group; alkylation1570
 Protecting group; stereoselective synthesis; marine product1761
 Protoberberine alkaloid; 13-methylprotoberberine; isoquinolin-3-one399
 Protoberberine *N*-metho salt; *Stephania cepharantha*; isoquinoline alkaloid370
 20(S)-Protopanaxatriol; microsomal metabolite; ginsenoside1226
Pterocarpus santalinus; Fabaceae; acylated isoflavone glucoside1373
 Pummerer reaction; 2-quinolone; synthesis1854
 Purine derivative; carbonucleoside; AM1 semiempirical method293
 Pyrazolo[1,5-*a*]indole; anti-cancer screening; anti-cancer activity1628
bis-Pyridine alkaloid; sponge; *Amphimedon* sp.974
 Pyridinium allylide; thieno[3,4-*b*]indolizine; 3-vinylindolizine865
 2(1*H*)-Pyridone; Diels–Alder reaction; dimethoxy-1,3-butadiene1814
 Pyrimidine; 1,3,5-triazine; antitumor activity1778
 Pyridine alkaloid; glycosidase inhibitor; *Broussonetia kazinoki*1281
 Pyrrolo[2,3-*c*]azepine; α_1 -adrenoceptor antagonist; serotonin 2 receptor antagonist1129
 Pyrrolo[3,2-*c*]azepine; serotonin 2 receptor antagonist; SUN C5174623
 Pyrrolo[2,3-*d*]pyrimidine; antifolate; *N*^o-masked ornithine1270
- (Q)
- Quantitative structure–activity relationship; Na/H exchange inhibitor; *N*-(2*H*-benzo[1,4]thiazine-6-carbonyl)guanidine843
 Quassinoid conversion; lipophilic side chain; diosphenol esterification876
 Quaternary carbon; Rhodium-catalyzed cyclization; cyclopentanone1822
 Quaternary tetrahydropyridone *N*-metho salt; CD-CZE; enantiomeric separation1790
 Quinoline; mechanism; transition state525
 Quinoline; 1,10-phenanthroline; antiparasitoid1886
 Quinolinecarboxamide; serotonin 5-HT₄ receptor-stimulating activity; structure–activity relationship2003
 Quinolizidine alkaloid; biosynthesis; sweet lupin1458
 Quinolone alkaloid; acridone alkaloid; *Glycosmis citrifolia*65
 Quinolone; alkaloid; *Sarcomelicope megistophylla*2009
 2-Quinolone; Pummerer reaction; synthesis1854
 Quinolone; *N*-hydroxysuccinimide ester; *C*-acylation reaction211
- (R)
- R-102444; serotonin-2 (5-HT₂) receptor; anti-platelet1729
 R-102557; antifungal; triazole694
Rabdosia rubescens; ent-kaurene; diterpene148
 Racemization-free coupling; *N*-methylamino acid; copper(II) chloride442
 Ranunculaceae; *Cimicifuga racemosa*; 9,19-cyclolanostanol425
 Ranunculaceae; *Thalictrum squarrosum*; squarroside828
 Ras oncogene; capillary electrophoresis; single strand conformation polymorphism774
 Rat lens aldose reductase; 5'-chloro-3,2'-dihydroxychalcone; platelet aggregation1786
 Rearranged lanostane; *Abies sachalinensis*; Pinaceae1917
 Rearrangement; cycloaddition; furan ring-opening757
 Recyclable catalyst; polymeric dicyanoketene acetal; π -acid1010
 5 α -Reductase inhibitor; benign prostatic hypertrophy; indole derivative382
 5 α -Reductase inhibitor; benign prostatic hypertrophy; YM-361171689
 5 α -Reductase; benign prostatic hyperplasia; structure–activity relationship552
 5 α -Reductase; seminal vesicle; testosterone conversion1249
 Reductive dimerization; samarium diiodide; alkyldenemalonate1799
 Release rate constant; minocycline hydrochloride; viscosity617
 Remote loading; liposome; pH gradient325
 Residual solvent; benzyl alcohol; pharmaceutical bulk1299
 Residual solvent; thermal desorption; GC/MS1894
 Resolution; γ -butyrolactone; lipase304
 Resorufin; electron acceptor; glucose oxidase897
 9*Z*-Retinoic acid analog; retinoid X receptor; coupling reaction1391
 Retinoic acid receptor; retinoid; retinoid X receptor1504
 Retinoid X receptor; 9*Z*-retinoic acid analog; coupling reaction1391
 Retinoid X receptor; retinoid; retinoic acid receptor1504
 Retinoid; retinoic acid receptor; retinoid X receptor1504
 Rhodium-catalyzed cyclization; quaternary carbon; cyclopentanone1822
 Rhodopsin; transduction path; photoaffinity label1399
 Ring closing metathesis (RCM); 1,2-cycloalkanopyrrolidine; azocine1593
 Rosaceae; *Eriobotrya japonica*; cinchonin Id 7-*O*- β -D-glucopyranoside687
 Rubiaceae; Gardeniae Fructus; iridoid746
 Rutaceae; *Severinia buxifolia*; acridone alkaloid85
- (S)
- Saccharose; lactose monohydrate; mannitol179
 Safracin; ecteinascidin; synthesis1549
 Salbutamol sulphate; surface roughness; lactose carrier393
 Salicylic acid; scandium; stability constant870
 Salmon calcitonin; PEGylation; pharmacokinetics1921
 Samarium diiodide; alkyldenemalonate; reductive dimerization1799
 Saponin; *Panax pseudo-ginseng*; Araliaceae889
Sarcomelicope megistophylla; quinolone; alkaloid2009
Sarcophyton trocheliophorum; soft coral; polyhydroxysterol1087
 Scandium; salicylic acid; stability constant870
 Scavenger; peroxydinitrite; melatonin-related compound261
 Scavenging; ESR; hydroxyl radical330
 Sea cucumber; glycosphingolipid; ganglioside157
 Secnidazole; adsorptive stripping voltammetry600
 Secoiridoid glucoside; *Jasminum nudiflorum*; Oleaceae1200
 E-selectin; sialyl Lewis X; carboxymethyl chitosan1256
 Selectivity; plasmin inhibitor; plasma kallikrein inhibitor1964
 Selectivity; plasmin inhibitor; structure–activity relationship184
 Self-association; surface tension; simple ring compound298
 Seminal vesicle; 5 α -reductase; testosterone conversion1249
 Sequence-specific cleavage; DNA cleavage; distamycin603
 Serotonin 2 receptor antagonist; α_1 -adrenoceptor antagonist; pyrrolo[2,3-*c*]azepine1129
 Serotonin 2 receptor antagonist; pyrrolo[3,2-*c*]azepine; SUN C5174623
 Serotonin 5-HT₃ receptor; dopamine D₂; dopamine D₃1847
 Serotonin 5-HT₄ receptor-stimulating activity; quinolinecarboxamide; structure–activity relationship2003
 Serotonin-2 (5-HT₂) receptor; antiplatelet; antagonist245
 Serotonin-2 (5-HT₂) receptor; antiplatelet; R-1024441729
 Sesquiterpene lactone; *Illicium merrillianum*; 14-*O*-benzoylfloridanolide657
 Sesquiterpenoid glycoside; *Ficus pumila* fruit; eudesmane77
 Sesquiterpenoid; *Ferula feruloides*; Umbelliferae353
 Seven-membered ring; synthesis; indole1872
Severinia buxifolia; Rutaceae; acridone alkaloid85
 Shell dissolution; gelatine capsules; hydroxypropyl methylcellulose capsules951
Shorea hemsleyana; Dipterocarpaceae; stilbene1001
Shorea hemsleyana; Dipterocarpaceae; stilbenoid1959
 Sialyl Lewis X; E-selectin; carboxymethyl chitosan1256
 Silicon; fungicidal activity; 1*H*-1,2,4-triazole1148

- Simple ring compound; surface tension; self-association298
- Single strand conformation polymorphism; capillary electrophoresis; ras oncogene774
- Skin permeation; *n*-alkyltrimethylammonium; absorption enhancer1698
- Skin permeation; electroporation; benzoic acid1807
- Slime mould; indole pigment; 2,4'-biindole81
- Smooth muscle contraction; neuromedin U; structure-activity relationship1166
- Sodium hyaluronate; bovine serum albumin; complex779
- Soft coral; *Sarcophyton trocheliophorum*; polyhydroxysterol1087
- Solanaceae; *Solanum anguivi*; anguivioside A—C568
- Solanaceae; *Solanum nigrum*; steroidal saponin1062
- Solanum abutiloides*; cholestane glycoside; abutiloside556
- Solanum anguivi*; Solanaceae; anguivioside A—C568
- Solanum nigrum*; Solanaceae; steroidal saponin1062
- Solid state fermentation; *Aspergillus terreus*; butyrolactone559
- Solid state; lisinopril dihydrate; dehydration ...1890
- Solid-phase peptide synthesis; *p*-nitroanilide; 5-amino-2-nitrobenzoic acid1740
- Solubility prediction; anthracene; cosolvency1866
- Solubility; tolbutamide; hydroxypropyl- γ -cyclodextrin793
- Somatomedin C; insulin-like growth factor I; disulfide bond linkage system1304
- Sorbaria sorbifolia* var. *stellipila*; cyanogenic glycoside; sutherlandin-5-*trans-p*-coumarate ...1766
- Soybean-derived sterylglucoside; liposome; dipalmitoylphosphatidylcholine610
- Spatial distribution function; aqueous ether solution; difference spatial distribution function ...16
- Spatial distribution function; aqueous ethylene glycol solution; difference spatial distribution function1660
- Spatial distribution function; Monte Carlo simulation; alcohol, ether solution957
- Spectroelectrochemistry; tetracyanoethylene dianion; structural property537
- Spherical crystallization; acetylsalicylic acid; flowability1877
- Spirometra erinacei*; glycosphingolipid; chemical synthesis1160
- Spirostanol; *Allium tuberosum*; steroidal oligoglycoside362
- Sponge; *Amphimedon* sp.; bis-pyridine alkaloid974
- Squarroside; *Thalictrum squarrosom*; Ranunculaceae828
- Stability constant; complexe; synthesis41
- Stability constant; salicylic acid; scandium870
- Stability-indicating HPLC method; maleate degradation; chlorpheniramine maleate1205
- Staminane-type diterpene; *Orthosiphon stamineus*; Vietnamese medicinal plant1711
- Staphyleaceae; *Euscaphis japonica*; megastigmmane752
- Stephania cepharantha*; isoquinoline alkaloid; protoberberine *N*-metho salt370
- Stereochemistry; phytoestrogen; hinokiresinol389
- Stereoselective rearrangement; mytiloxanthin; cyclopentyl compound1833
- Stereoselective synthesis; marine product; protecting group1761
- Steroid; xestobergsterol A; synthesis1480
- Steroidal D-ring ketol; trimethylsilyl iodide; alkoxylation1215
- Steroidal oligoglycoside; *Allium tuberosum*; spirostanol362
- Steroidal sapogenin; *Tupistra chinensis*; Liliaceae1350
- Steroidal saponin; *Solanum nigrum*; Solanaceae1062
- Sterol; *Lentinula edodes*; *Tricholoma matsutake*749
- Stilbene synthase; chalcone synthase; cross-reaction1051
- Stilbene; *Shorea hemsleyana*; Dipterocarpaceae1001
- Stilbenoid; *Shorea hemsleyana*; Dipterocarpaceae1959
- Strecker-type reaction; asymmetric catalysis; bifunctional catalyst1586
- Structural property; tetracyanoethylene dianion; spectroelectrochemistry537
- Structure; surface tension; micelle947
- Structure; *Tremella aurantia*; polysaccharide ...1793
- Structure-activity relationship; neuromedin U; smooth muscle contraction1166
- Structure-activity relationship; plasmin inhibitor; selectivity184
- Structure-activity relationship; quinolinecarboxamide; serotonin 5-HT₄ receptor-stimulating activity2003
- Structure-activity relationship; 5 α -reductase; benign prostatic hyperplasia552
- Structure-specificity relationship; cardenolide glucosyltransferase II (CGH II); cardiac glycoside ...349
- Styrax japonica*; jegosaponin; antisweet substance1093
- N*-(4-Substituted benzyl)isoluminol; chemiluminescence; luminol2011
- 2-Substituted 3-nitro-1,2-dihydropyridine; nitrodieneamine; aldehyde436
- Sulfaguandine; hydration kinetics; calorimetry208
- Sulfonamide; osteoporosis; 13,14-dihydro PGF_{1 α} 1332
- Sulfone; allene; fluoro enol ether1395
- Sulfoxide; asymmetric oxidation; hypervalent iodine reagent445
- SUN C5174; serotonin 2 receptor antagonist; pyrrolo[3,2-*c*]azepine623
- Superoxide dismutase mimics; tetrakis-*N,N,N',N'*-(2-pyridylmethyl)ethylenediamine; free radical223
- Superoxide; Fe-TPEN; Fe complex1514
- Superoxide; nitroarene; hydroxylation1532
- Surface roughness; lactose carrier; salbutamol sulphate393
- Surface tension; micelle; structure947
- Surface tension; self-association; simple ring compound298
- Sutherlandin-5-*trans-p*-coumarate; cyanogenic glycoside; *Sorbaria sorbifolia* var. *stellipila* ...1766
- Sweet lupin; quinolizidine alkaloid; biosynthesis1458
- Synthesis; carbapenem; intramolecular Wittig-type reaction126
- Synthesis; complexe; stability constant41
- Synthesis; ecteinascidin; safracin1549
- Synthesis; indole; seven-membered ring1872
- Synthesis; *O*-(5-isoxazolyl)-L-serine; pharmacological activity278
- Synthesis; non-steroidal P450 aromatase inhibitor; imidazo[1,2-*a*]pyridine935
- Synthesis; Pummerer reaction; 2-quinolone ...1854
- Synthesis; xestobergsterol A; steroid1480

(T)

- Tablet tensile strength; amorphous lactose; temperature-induced crystallization585
- Taiwanhomoflavone-A; *Cephalotaxus wilsoniana*; cytotoxicity440
- Taiwania cryptomerioides*; Taxodiaceae; trinorditerpene597
- TAK-218; ESR; biological model membrane ...784
- TAK-456; optically active antifungal azole; 1,2,3-trisubstituted-2-butanol1947
- Tannin; *Paeonia obovata*; monoterpene glucoside201
- Taste sensor; bitterness; human gustatory sensation1843
- Taxaceae; *Taxus mairei*; taxane diterpene1344
- Taxane diterpene; *Taxus mairei*; Taxaceae1344
- Taxodiaceae; *Taiwania cryptomerioides*; trinorditerpene597
- Taxus mairei*; Taxaceae; taxane diterpene1344
- Tea plant; assamsaponin; *Camellia sinensis* var. *asamica*1720
- Telephiose; *Polygala telephoides*; Polygalaceae1223
- Temperature-induced crystallization; amorphous lactose; tablet tensile strength585
- Tensile strength; bending test; excipient769
- Testosterone conversion; seminal vesicle; 5 α -reductase1249
- 1 β ,2 β ,6 α ,15 β -Tetracetoxy-8 β ,9 α -dibenzoyloxy- β -dihydroagarofuran; *Celastrus hindsii* BENTH; cytotoxicity1079
- Tetracyanoethylene dianion; spectroelectrochemistry; structural property537
- Tetrahedral intermediate; β -lactamase; *ab initio* molecular orbital method447
- Δ^5 -Tetrahydrocannabinol; cannabis; gas chromatography detector743
- Tetrahydrofuran; tetrahydropyran; acetoacetic ester1581
- Tetrahydroisoquinoline; 1,3-dimethyl-1,2,3,4-tetrahydroisoquinoline; chiral synthesis91
- Tetrahydropyran; tetrahydrofuran; acetoacetic ester1581
- Tetrakis(pentafluorophenyl)borate; catalytic aldol reaction; enol ester1838
- Tetrakis-*N,N,N',N'*-(2-pyridylmethyl)ethylenediamine; superoxide dismutase mimics; free radical223
- Thalictrum squarrosom*; squarroside; Ranunculaceae828
- Thermal aggregation; bovine serum albumin; dynamic light scattering464
- Thermal analysis; aspartame; crystal transformation708
- Thermal desorption; GC/MS; residual solvent1894
- Thiazole; fluorophore; diethylaminocoumarin1702
- Thiazolidinone-linked Δ^5 -calotropin; *Asclepias tuberosa*; androstane bioside991
- 2-Thiazolidinone; 2-thiazolone; [4+2] cycloadduct1541

- 2-Thiazolone; [4+2] cycloadduct; 2-thiazolidinone1541
- Thieno[3,4-*b*]indolizine; 3-vinylindolizine; pyridinium allylide865
- Thioester-mediated fragment condensation; phosphopeptide; trifluoromethanesulfonic acid (TFMSA)1230
- Tiliaceae; *Corchorus depressus*; cyclolanostane1597
- Tissue culture; *Anoectochilus formosanus*; glycoside1803
- TKS159; polymorph; X-ray powder diffractometry366
- d*- α -Tocopherol; oxidation; Cu(II) catalysis71
- α -Tocopherol; α -tocopherylquinone; HPLC-ED1462
- α -Tocopherylquinone; α -tocopherol; HPLC-ED1462
- Tokaku-joki-to (桃核承氣湯); prolyl endopeptidase inhibitor; Kampo formula1055
- Tolbutamide; 2-hydroxypropyl- β -cyclodextrin; amorphous complex646
- Tolbutamide; hydroxypropyl- γ -cyclodextrin; solubility793
- Total synthesis; enantioselective acetylation; lipase272
- Total synthesis; oxopropaline G; oxopropaline D108
- Transduction path; photoaffinity label; rhodopsin1399
- Transition metal; dithiocarbamate; coordination mode914
- Transition state; mechanism; oxazepine755
- Transition state; mechanism; quinoline525
- Tremella aurantia*; polysaccharide; structure ...1793
- 1,3,5-Triazine; pyrimidine; antitumor activity1778
- 1,2,4-Triazole; antifungal; difluoro(heteroaryl)-methyl derivative982
- Triazole; antifungal; R-102557694
- 1*H*-1,2,4-Triazole; fungicidal activity; silicon1148
- Triazolone; optically active antifungal azole; 1,2,3-trisubstituted-2-butanol1935
- Tricholoma matsutake*; sterol; *Lentinula edodes*749
- Tridentate amine; alkylation; bidentate amine1529
- Trifluoroacetyl compound; imidazole; 1,3-oxazolium-5-olate410
- Trifluoromethanesulfonic acid (TFMSA); phosphopeptide; thioester-mediated fragment condensation1230
- Trifluoromethanesulfonic anhydride; α -bromo ketone; α -bromo- α,β -enone1999
- Trifluoromethyl ketone; α -aminoalcohol; Dakin-West reaction114
- Trifluoromethyl; acyloin; α -hydroxy ketone1338
- Trifluoromethyl; enol ether; vinyl sulfide145
- Trigonella foenum-graecum*; trigoneoside Xa—XIIIa; fenugreek994
- Trigoneoside Xa—XIIIa; *Trigonella foenum-graecum*; fenugreek994
- Trimethyl lock; cyclization; linker238
- Trimethylsilyl iodide; steroidal D-ring ketol; alkoxylation1215
- Trinem; carbapenem; antibacterial activity716
- Trinorditerpene; *Taiwania cryptomerioides*; Taxodiaceae597
- Trinorlupane; *Diospyros maritima*; Ebenaceae1211
- Triphenylmethane; bisarylation; bisphenol1810
- 1,2,3-Trisubstituted-2-butanol; optically active antifungal azole; triazolone1935
- 1,2,3-Trisubstituted-2-butanol; TAK-456; optically active antifungal azole1947
- Triterpene glucoside; *Combretum quadrangulare*; Combretaceae1114
- Triterpene saponin; *Melilotus officinalis*; Leguminosae286
- Triterpene; anti-HIV; betulinic acid1387
- Triterpene; *Geum japonicum*; geumonoid1367
- Triterpene; HIV-protease; oleanolic acid1681
- Triterpene; *Glyptopetalum sclerocarpum*; Celastraceae1347
- Triterpenoid saponin; *Ardisia mamillata*; Myrsinaceae1413
- Triterpenoid; *Paeonia emodi*; Paeoniaceae1771
- Tryptamine; nitrodienamine; 1,2-dihydropyridine derivative1898
- Tupistra chinensis*; Liliaceae; steroidal sapogenin1350
- β -Turn mimetics; double-stranded peptide; β -amyloid peptide920
- Tyr-Lys-NH₂; Z-Gly-Phe-NH₂; Asp-Phe-NH₂374
- (U)
- Ulmus davidiana* var. *japonica*; anti-MRSA sesquiterpenoid; mansonone F1805
- Umbelliferae; *Ferula feruloides*; sesquiterpenoid353
- Umbilicus*; Crassulaceae; phenylpropanoid1768
- Uncaria tomentosa*; indole alkaloid; Uña de Gato (Cat's Claw)1410
- α,β -Unsaturated carbonyl compound; bromodifluoroacetate; copper1023
- Uña de Gato (Cat's Claw); indole alkaloid; *Uncaria tomentosa*1410
- (V)
- Vasodilation; furoxan derivative; nitric oxide808
- Vasorelaxant activity; hyuganin; khellactone ...1429
- Veinotonic agent; adrenergic α_2 -ligand; imidazolidine derivative729
- Verbenaceae; *Caryopteris incana* (THUNB.) MIQ.; phenylethanoid glycoside1075
- Verbenaceae; *Premna subscandens*; megastigmane glycoside542
- Versisponic acid; *Laetiporus versisporus*; laetiposide1418
- Vicia amurensis*; Leguminosae; acylated flavonol glycoside1242
- Vietnamese medicinal plant; *Orthosiphon stamineus*; staminane-type diterpene1711
- Vinyl sulfide; trifluoromethyl; enol ether145
- 3-Vinylindolizine; thieno[3,4-*b*]indolizine; pyridinium allylide865
- Viscosity; minocycline hydrochloride; release rate constant617
- Vitamin D-sulfur dioxide adduct; fluorovitamin D; electrophilic fluorination1484
- (X)
- X-Ray analysis; higher bile acid; *Amyda japonica* (turtle)53
- X-Ray analysis; piperazine; conformation2014
- X-Ray diffraction; chlorpheniramine maleate; ion exchange231
- X-Ray powder diffractometry; TKS159; polymorph366
- Xanthone; *Anaxagorea luzonensis*; Annonaceae1219
- Xestobergsterol A; steroid; synthesis1480
- (Y)
- Y₁-Receptor; neuropeptide Y; cyclic peptide ...1925
- YM-35471; arginine vasopressin antagonist; difluorination1644
- YM-36117; 5 α -reductase inhibitor; benign prostatic hypertrophy1689
- YM087; conivaptan hydrochloride; arginine vasopressin antagonist21
- Yunnaconitine; norditerpenoid alkaloid; 7,17-*seco*-norditerpenoid alkaloid1912
- (Z)
- Z-Gly-Phe-NH₂; Tyr-Lys-NH₂; Asp-Phe-NH₂374