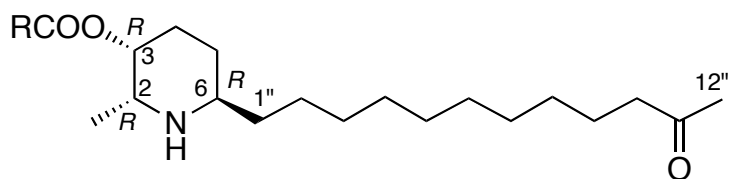


■ COMMUNICATION

1303 **Spectamines A and B, Possible Inhibitors of Superoxide Anion Production of Macrophages from *Cassia spectabilis***

Mitsuru Hirota, Kazuya Sato, Kentaro Maehara, and Tsunashi Kamo*



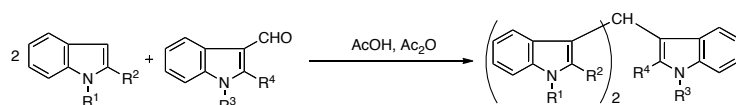
spectamine A: R=Ph
spectamine B: R=Me

Cassia Piperidine Superoxide Cassine Macrophage

■ PAPERS

1307 **Synthesis and Cytotoxic Activity of *N*-Acetylated Triindolymethanes**

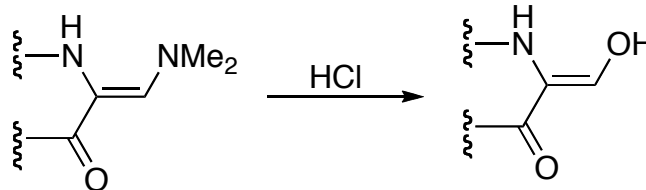
Bogang Li, Liangbing Wang, Bing Guang, Jun Li, and Guolin Zhang*



Tri(indol-3-yl)methane Condensation Reaction *N*-Acetylation Cytotoxicity

1317 **Hydrolysis of *N,N*-Dimethylenamines. Stereospecific Synthesis of Their Enol and Enol Ester Derivatives**

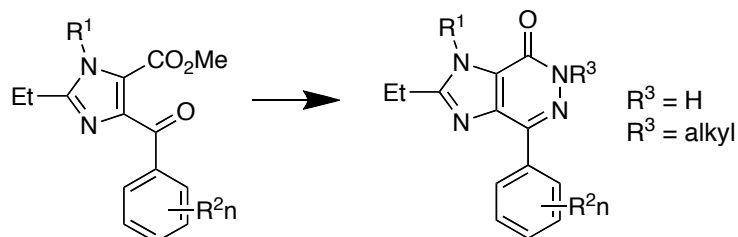
Simona Golic Grdadolnik, Lovro Selic, and Branko Stanovnik*



Enol Enol Ester Enamine

1329 **Synthesis of 6-Substituted Imidazo[4,5-*d*]pyridazin-7-ones**

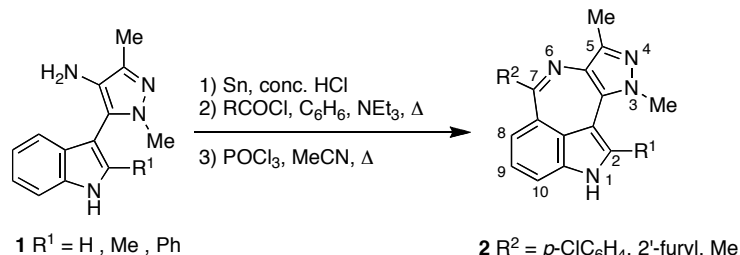
Rajagopal Bakthavatchalam and Paul J. Gilligan*



7-Imidazopyridazin-7-one 4-Aroylimidazole-5-carboxylate Synthesis CRF Ligand

1339 Synthesis and Dopamine Receptor Binding of Some Pyrazolo[3',4':6,7]azepino[5,4,3-*cd*]indoles

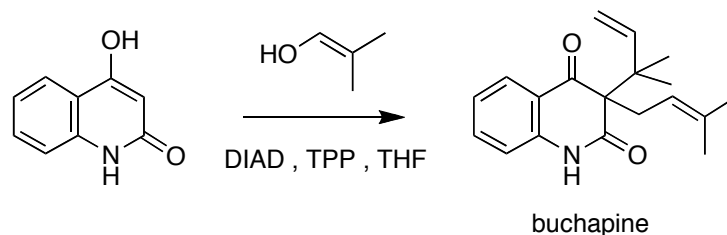
Wolfgang Voelter, Salim S. Sabri, Ismail I. Fafous, Kayed A. Abu Safieh, Harald Hübner, Peter Gmeiner, and Mustafa M. El-Abadelah*



3-(4-Acylaminopyrazol-5-yl)indole Bischler-Napieralski Reaction Regioselective Cyclization Binding Affinity to Dopamine Receptor

1351 4-Hydroxycoumarin and Related Systems: Sitoselectivity of the Mitsunobu Reaction with Prenyl Alcohols

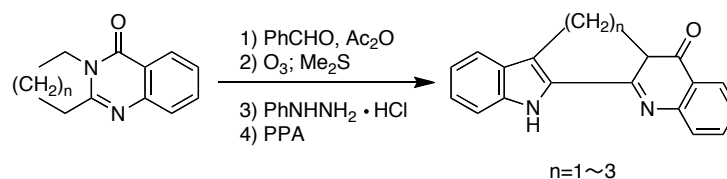
Silvia Tagliapietra, Giovanni Palmisano, Gian Mario Nano, and Giancarlo Cravotto*



Mitsunobu Reaction 4-Hydroxycoumarin Prenyl Alcohol Buchapine SN2' Reaction

1359 Synthesis and COX-2 Inhibitory Activities of Rutaecarpine Homologues

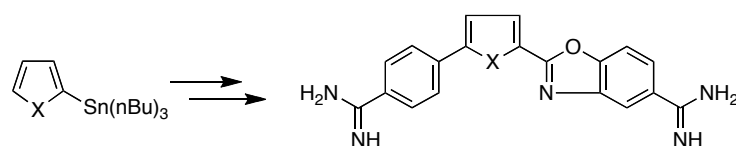
Hejin Jung, Seung Ill Kim, Hyeun Wook Chang, and Yurmgdong Jahng*



Rutaecarpine Antiinflammatory Agent COX-2 Inhibitor Rutaecarpine Homologue Fisher Indole Synthesis

1367 Synthesis of 2-(5-Amidinobenzoxazol-2-yl)-5-(4-amidinophenyl)furan and 2-(5-Amidinobenzoxazol-2-yl)-5-(4-amidinophenyl)thiophene to Test a DNA Minor Groove Dimer Binding Model

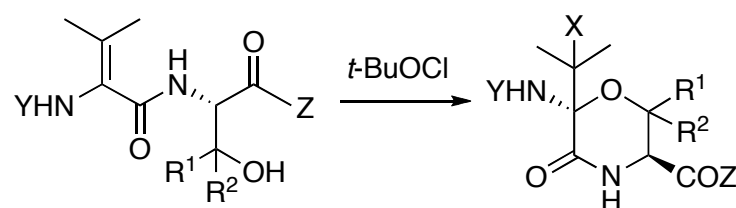
W. David Wilson, Sheela Venkitachalam, Adalgisa Batista-Parra, and David W. Boykin*



Diamidine Suzuki Reaction Stille Reaction DNA Binder NBS

1377 Novel Synthesis of 5-Oxomorpholine Derivative by Cyclization of Δ^1 -Dehydrideptide

Yasuchika Yonezawa, Keiji Inoue, Dai Yoshioka, and Chung-gi Shin*

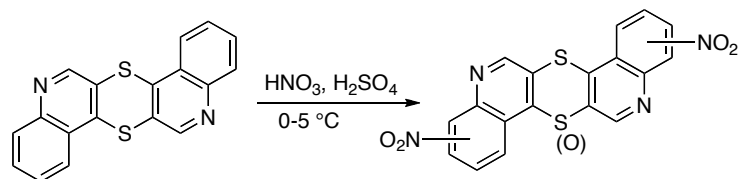

 $X = \text{H}, \text{Cl}; Y = \text{Boc}; Z = \text{OMe}; R^1 = \text{H}, \text{Me}; R^2 = \text{H}, \text{Me}$

Dehydropeptide Morpholine Cyclization Stereoselectivity X-Ray Analysis

■ NOTES

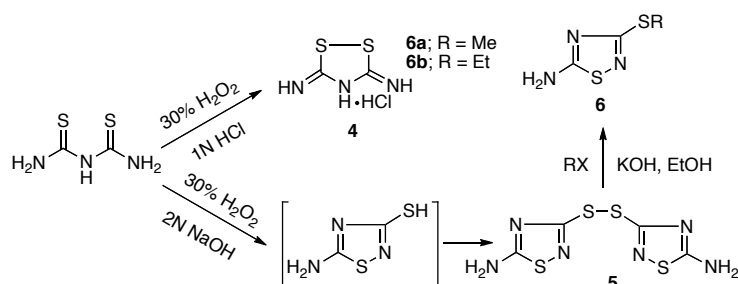
1387 Nitrothioquinanthrenes and Their S-Oxides

Tadeusz Glowiak and Maria J. Maslankiewicz*


 Dithiiodiquinoline Quinoline Nitration 1,4-Dithiin S-Oxide Sulfide Oxidation ^1H and ^{13}C NMR Spectra

1401 Oxidative Cyclization of Dithiobiuret under Basic Conditions and Theoretical Tautomeric Studies of 5-Amino-2,3-dihydro-1,2,4-thiadiazole-3-thione

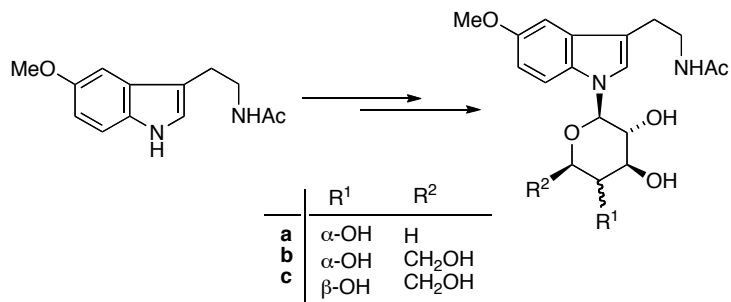
Chang-moon Park, Sung Kwon Kang, Eun Hee Kim, Mi Sun Park, Young Hoon Kim, and Nam Sook Cho*



Oxidative Cyclization Dithiobiuret Bis(5-amino-1,2,4-thiadiazolyl) 3,3'-Disulfide X-Ray Structure 5-Amino-3-mercapto-1,2,4-thiadiazole

1411 Water-soluble Melatonins: Syntheses of Melatonins Carrying a Glycosyl Group at the 1-Position

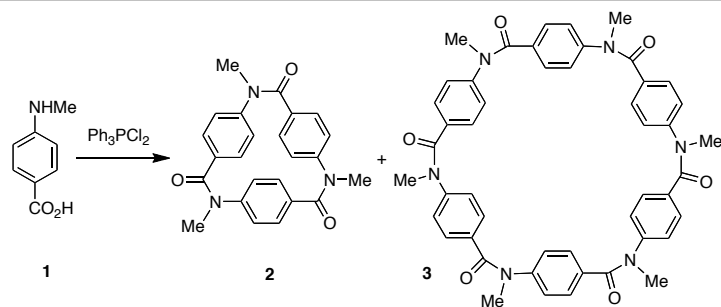
Fumio Yamada, Yasuaki Fujita, Takako Iwaki, and Masanori Somei*



Melatonin 1-(β-D-Xylo- 1-(β-D-Gluc- 1-(β-D-Galacto-, or 1-(α-D-Arabinopyranosyl)melatonin

1419 Dependence of Ring Size on Conditions in Cyclization of 4-Methylaminobenzoic Acid by Dichlorotriphenylphosphorane

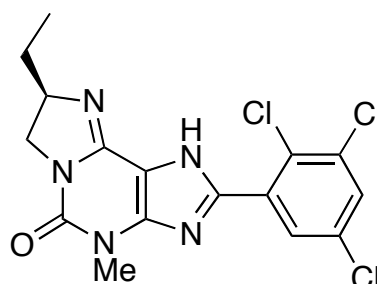
Hiroaki Takayanagi, Fumiaki Imabeppu, Takao Okamoto, and Isao Azumaya*



Cyclic Amide Tertiary Amide Aromatic Amide Temperature Dependence Coupling Reagent

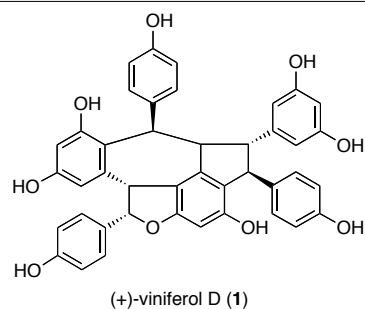
1425 Improved, Efficient Synthesis for Multigram-Scale Production of PSB-10, a Potent Antagonist at Human A₃ Adenosine Receptors

Mark Thorand, Joachim Burbiel, and Christa E. Müller*


 PSB-10 PSB-11 A₃-Selective Adenosine Receptor Antagonist Gram-Scale Synthesis 4,5,7,8-Tetrahydro-1*H*-imidazo[2,1-*j*]purin-5-one

1433 (+)-Viniferol D, a New Stilbenetrimer from the Stem of *Vitis vinifera* 'Kyohou'

Ke-Xu Yan, Kenji Terashima, Yoshiaki Takaya, and Masatake Niwa*


 Oligostilbene *Vitis vinifera* Resveratrol Trimer

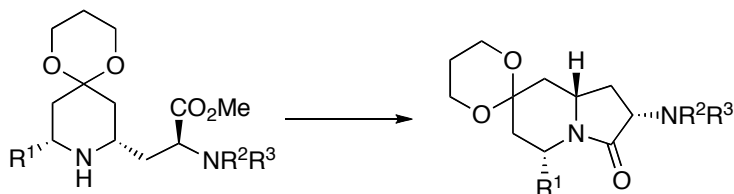
1441 Design and Synthesis of a Novel Cyclophane as Host for Biologically Relevant Phosphates

Koichi Metori and Muneharu Miyake*


 Host-Guest *O*-Phospho-L-tyrosine Nucleotide Enzyme Model Receptor

1447 Synthesis of 4-Substituted Indolizidin-9-one Amino Acid Derivatives

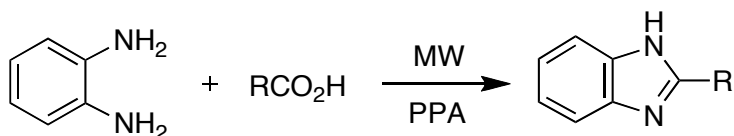
Pierre Calinaud, Sylvie Carbonnel, Christelle Lamazzi, and Yves Troin*



Peptidomimetics Pipecolic Acid Derivative 2,4,6-Substituted Piperidine Mannich Reaction

1457 Microwave-assisted Synthesis of Aryl and Heteroaryl Derivatives of Benzimidazole

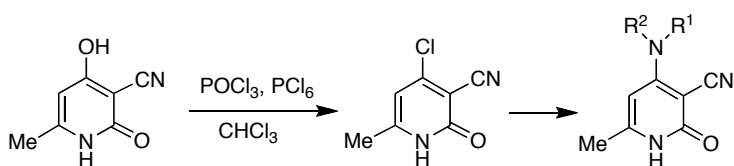
Hirohisa Kawanishi, Haitao Yu, and Hideko Koshima*



Microwave-assisted Synthesis Benzimidazole 1,2-Phenylenediamine Carboxylic Acid Polyphosphoric Acid

1461 Synthesis and Reactions of 4-Chloro-1,2-dihydro-6-methyl-2-oxo-3-pyridinecarbonitrile

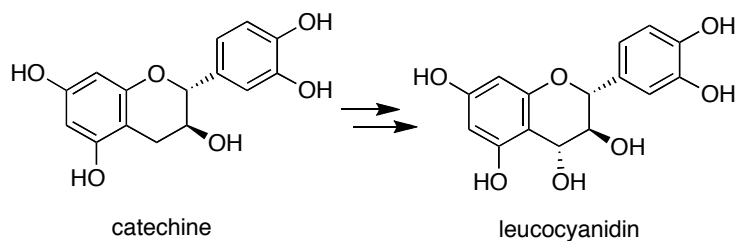
Atsuko Sato, Yurie Kawamata, Kouki Nagayama, Mieko Morone, and Yutaka Azuma*



Chlorination Halopyridinecarbonitrile Amination 4-Alkyl-, 4-Arylamino-3-pyridinecarbonitrile

1469 An Efficient Conversion of Catechine into 3,4-*trans*-Leucocyanidin

Norio Saito, Shigeru Iida, Yasumasa Morita, Atsushi Hoshino, Masato Nishimura, Toyohiko Kikuchi, and Toshio Honda*

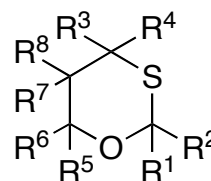


3,4-*trans*-Leucocyanidin Catechine Benzylic Oxidation Flower Color Pigment Taxifolin

■ REVIEW

1477 Synthesis, Structural Analysis and Reactivity of 1,3-Oxathiane Derivatives

Sorin Mager, Luminita Muntean, Gérard Plé, Anamaria Terec, and Ion Grosu*



A complete review on the chemistry of 1,3-oxathiane derivatives is presented.

1,3-Oxathiane Derivative Synthesis NMR and MS Spectrum Reactivity

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 1521 Polyketides
- 1529 Aromatics
- 1533 Terpenes
- 1541 Alkaloids
- 1558 Miscellaneous