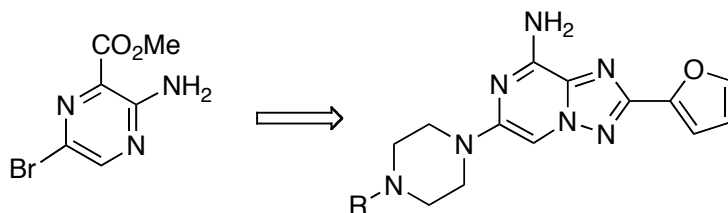


■ COMMUNICATION

2321 First Synthesis of Piperazine-derived [1,2,4]Triazolo-[1,5-*a*]pyrazine as an Adenosine A_{2A} Receptor Antagonist

Russell C. Petter, Daniel M. Scott,
Gnanasambandam Kumaravel, Thomas M. Engber,
Joy Wang, James E. Dowling, Patrick R. Conlon,
Serajul Haque, Jeffery T. Vessels, He Xi Chang,
Li Sha, and Hairuo Peng*

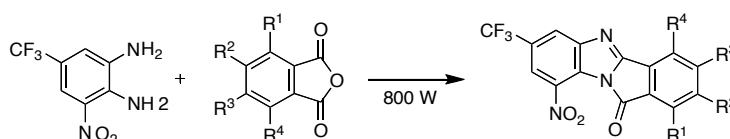


[1,2,4]Triazolo[1,5-*a*]pyrazine Pyrazine Adenosine A_{2A} Receptor Antagonist Pd-catalyzed Reaction Piperazine

■ PAPERS

2329 Synthesis of New Trifluoromethyl Substituted 11*H*-Isoindolo[2,1-*a*]benzimidazol-11-one Derivatives

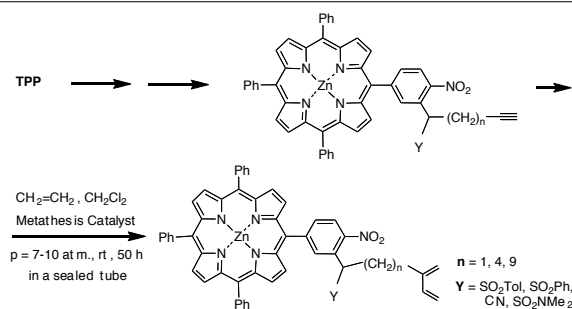
Pamulaparthi S. Rao, Tallapally Yakaiah,
Boddupally P. V. Lingaiah, and Banda Narsaiah*



Diamine Phthalic Anhydride Isoindolobenzimidazole Zinc Chloride

2339 Synthesis of Porphyrin — Acetylene and Porphyrin-Diene Building Blocks for New Dyads Preparation

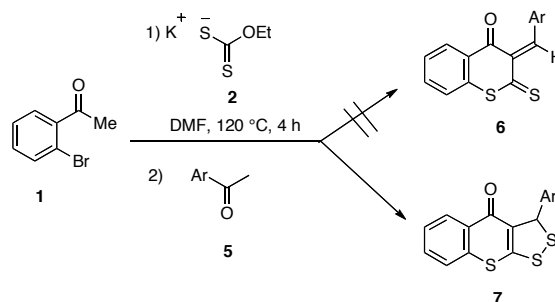
Agnieszka Mikus, Stanislaw Ostrowski, and
Stanislaw Ostrowski*



Porphyrin Alkylation Cross-Enyne Metathesis Ethylene Diene

2347 One-Pot Synthesis of 3-Aryl-3*H*,4*H*-[1,2]dithio[3,4-*b*]benzothiopyran-4-ones and 1-(*o*-Bromophenyl)-3-aryl-2-prop-2-en-1-ones

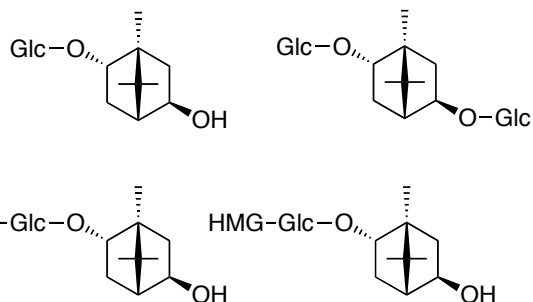
Hongming Zhang, Chandrani Mukherjee, and Edward R. Biehl*



3-Aryl-3*H*benzo[*e*][1,2]dithio[3,4-*b*]thiopyran-4-one Thioaldehyde Chalcone Trapping Agent Mechanism

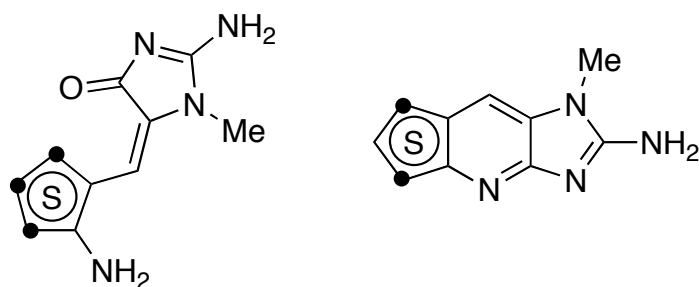
2357 Five Monoterpene Glycosides from Zingiberis Rhizome (Shokyo)

Yoshiyuki Kuchino, Kazuo Toriizuka, Yasuaki Hirai, Motonori Fukumura, Yukiye Wakabayashi, Tsuyoshi Miura, Yumiko Hori, and Yoshiteru Ida*


Zingiber officinale Zingiberaceae Ginger 5-Hydroxyborneol Angelicoidenol

2369 Synthesis of Thienoimidazo[4,5-*b*]pyridines and Thenylidenoimidazolinones

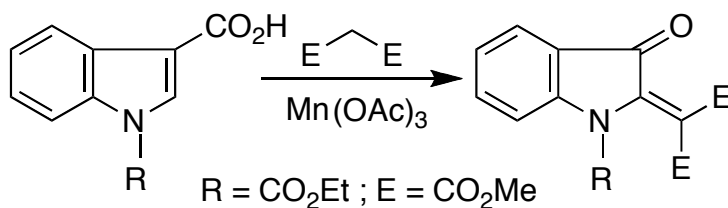
Malin Björk and Spiros Grivas*



Mutagenic Heterocyclic Amine Friedländer Reaction Aminothiophenecarbaldehyde Bis(trimethylsilyl)acetamide Creatinine

2381 Manganese(III) Acetate Mediated Oxidative Free Radical Reactions between Indole Derivatives and 1,3-Dicarbonyl Compounds

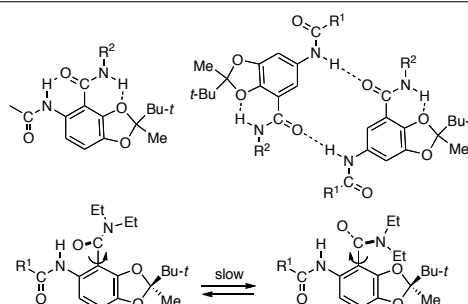
Chia-Hui Lin, An-I Tsai, and Che-Ping Chuang*



Manganese(III) Acetate Oxidative Free Radical Indole Derivative 1,3-Dicarbonyl Compound

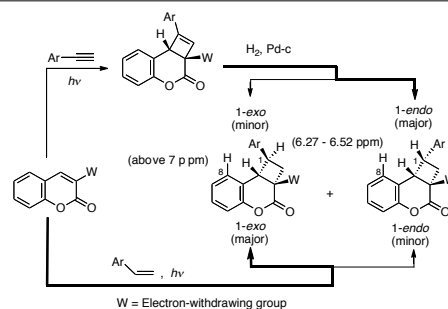
2395 1,3-Benzodioxole-based β - and γ -Peptide Linkages Exhibiting Unique Fluorescence, Conformation, and Self-association Properties

Yoshihiro Nishida, Kazukiyo Kobayashi, Yuya Ohguro, and Masaya Suzuki*


 1,3-Benzodioxole Fluorescence β -Amino Acid Atropisomer Dimerization

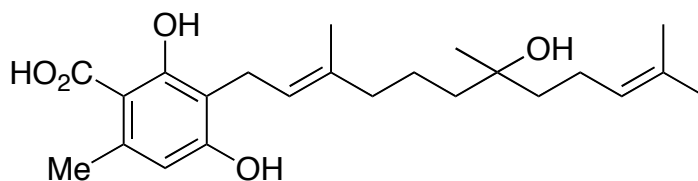
2411 Synthesis and Unambiguous Stereochemical Determination of 1-*exo*- and 1-*endo*-1-Aryl-1,2,2a,8b-tetrahydro-3*H*-benzo[*b*]cyclobuta[*d*]pyran-3-ones

Ikuo Kawasaki, Junko Fukao, Sachiko Kosaka, Kumiko Miura, Yuka Nishino, Tomoki Inaba, Masaki Nagahama, Yadav Navnath Dnyanoba, Masayuki Yamashita, and Shunsaku Ohta*

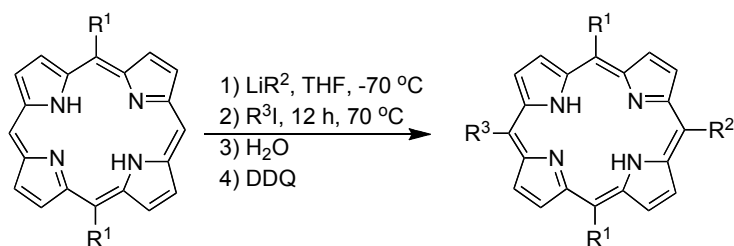

 Photocycloaddition Stereoselective Synthesis Benzo[*b*]cyclobuta[*d*]pyran Coumarin Stereochemistry

2431 Isolation, Synthesis and Biological Activity of Grifolic Acid Derivatives from the Inedible Mushroom *Albatrellus dispansus*

Makiko Nukada, Dang Ngoc Quang, Toshihiro Hashimoto, and Yoshinori Asakawa*


Albatrellus dispansus Grifolin Antimicrobial Anti HIV TNF- α
2441 One-pot Synthesis of A₂BC-Type Free Base Porphyrins

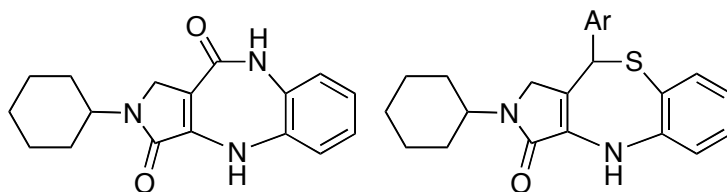
Yasser M. Shaker and Mathias O. Senge*



Organolithium Reagent Porphyrin Nucleophilic Aromatic Substitution Tetrapyrrole Nucleophile

2451 Syntheses and Reactions of 2-Cyclohexyl-1,3,4,5-tetrahydro-10*H*-pyrrolo[3,4-*b*][1,5]benzodiazepine-1,4-dione and 4-Aryl-2-cyclohexyl-1,3,4,10-tetrahydro-pyrrolo[4,3-*c*][1,5]benzothiazepin-1-ones

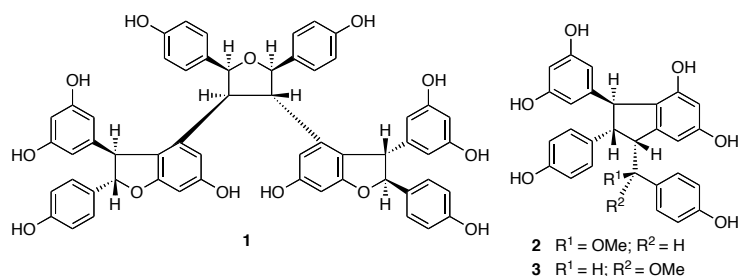
Sachiko Ueno, Mariko Kobayashi, Junko Kawanishi, and Keizo Matsuo*



Pyrrolobenzodiazepine Pyrrolobenzothiazepine Conjugate Addition

2461 Three New Stilbeneoligomers from the Roots of *Vitis vinifera* 'Kyohou'

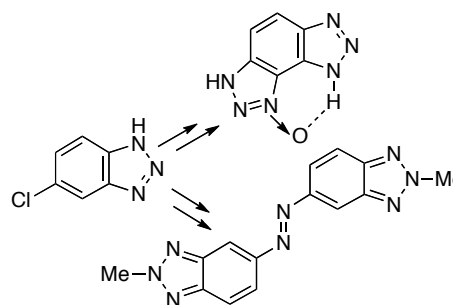
Yoshiaki Takaya, Kenji Terashima, Yue-Hua He, Fuko Fujii, and Masatake Niwa*


Vitis vinifera 'Kyohou' Oligostilbene (+)-Viniferol E (+)-Viniferether A (+)-Viniferether B

■ NOTES

2471 1*H*,6*H*-Triazolo[4,5-*e*]benzotriazole-3-oxides and 5,5'-(*Z*)-Diazene-1,2-diylbis(2-methyl-2*H*-1,2,3-benzotriazole) Derived from Chloronitrobenzotriazoles and Hydrazine

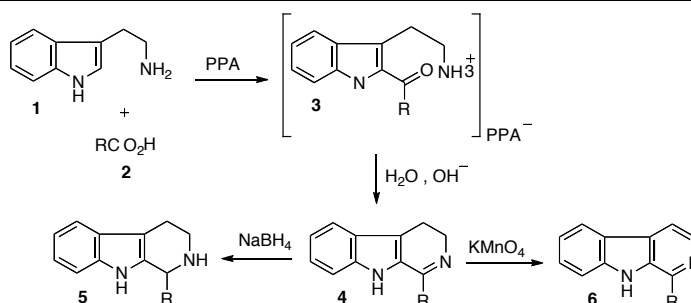
Giuseppe Paglietti, Gianpiero Boatto, Sandra Piras, and Antonio Carta*



Tricyclic System Diazene Derivative Potential DNA Intercalating Agent

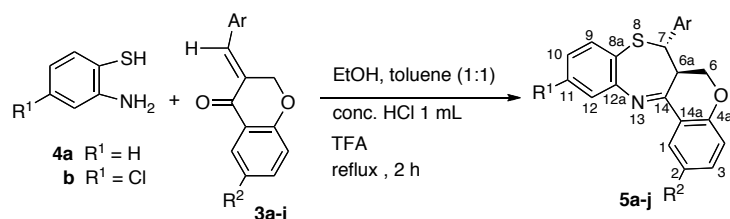
2483 A Simple Method for the Synthesis of 1-Substituted β -Carboline Derivatives from Tryptamine and Carboxylic Acids in Polyphosphoric Acid

Stela Statkova-Abeghe, Stoyanka Nikolova, and Iliyan Ivanov*


 β -Carboline Antitumor Activity Harmalan Harman

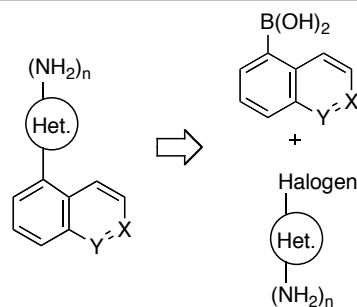
2493 One-pot Synthesis of *trans*-7-Aryl-6*H*-6*a*,7-dihydro[1]-benzopyrano[3,4-*c*][1,5]benzothiazepines

Ed Biehl, Hongming Zhang, Benjamin Koh, Ramadas Sathunuru, and Edward R. Biehl*


 Synthesis *trans*-Benzopyrano[3,4-*c*][1,5]benzothiazepine Michael Addition Stereochemistry of Addition X-Ray Analysis

2505 Synthesis of Quinolyli- and Isoquinolyli Heteroarylamines Using Palladium Catalyzed Suzuki Cross-Coupling Reaction

Hyo Won Lee, Hee-Jeong Lim, Myung Hee Jung, and Ihl Young Choi Lee*

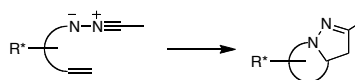
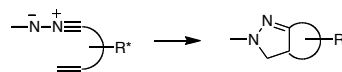
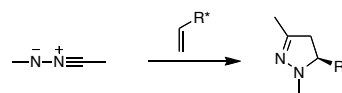


Suzuki Cross-Coupling Quinolyliboronic Acid Amino-heteroaryl Halide Tetrakis(triphenyl)phosphinopalladium Isoquinolyliboronic Acid

■ REVIEW

2513 Stereoselective Cycloadditions of Nitrilimines as a Source of Enantiopure Heterocycles

Giorgio Molteni*



Stereoselective Cycloaddition

Enantiopure Pyrazoline

Homochiral Nitrilimine

Inter- and Intramolecular Cycloadditions

■ NEW HETEROCYCLIC NATURAL PRODUCTS

2539 Polyketides

2541 Aromatics

2553 Terpenes

2566 Steroids

2569 Alkaloids

2580 Miscellaneous