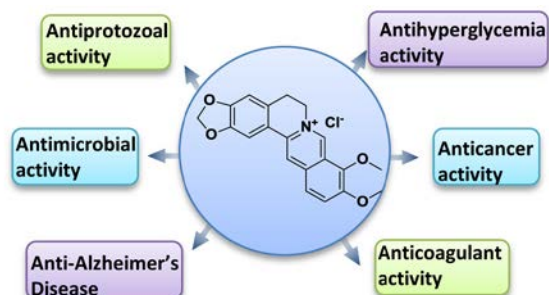


■ REVIEW

2233 **Berberine Analogues: Progress towards Versatile Applications**

Jing Wang, Jie Tang, Li-Fang Yu, Jia Li, Jing-Ya Li, and Fan Yang*

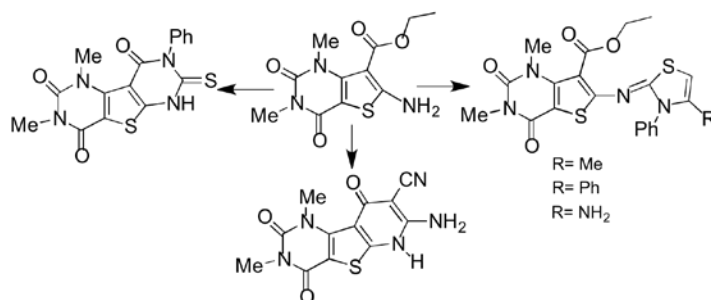


Berberine Analogue Structural Modification Biological Activity Structure-Activity Relationship

■ PAPERS

2271 **Synthesis of Some Novel Thieno[3,2-*d*]pyrimidine Derivatives of Pharmaceutical Interest**

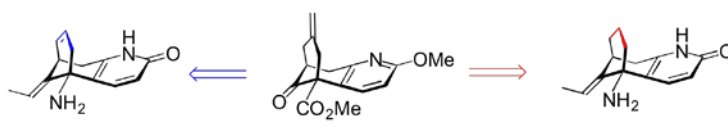
Hala M. Refat,* Ahmed A. Fadda, Rasha E. El-Mekawy, and Aliaa M. Sleat



Thieno[2,3-*d*:4,5-*d'*]dipyrimidine Thiazol-2-ylidene Thiocarbonyl

2285 **Synthesis of 7-Desmethyl Analogs of (+)- and (-)-Huperzine A**

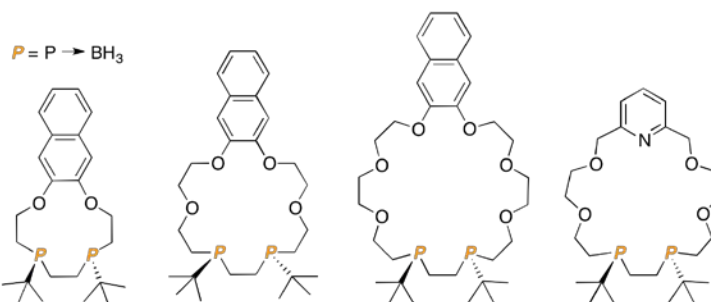
Marco Pieroni* and Suresh K. Tipparaju



Huperzine A Analog Neuroprotection Synthesis Nutraceutical

2295 **P-Stereogenic Diphosphacrowns: Facile Incorporation of Aromatic Rings**

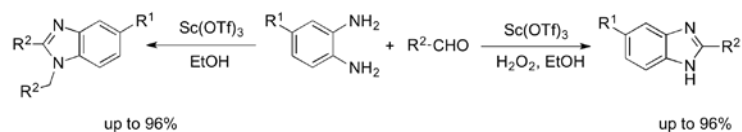
Ryosuke Kato, Hiroyuki Watanabe, Yasuhiro Morisaki,* and Yoshiki Chujo*



P-Stereogenic Phosphine Element-Block Crown Ether Phosphacrown Ether Chirality

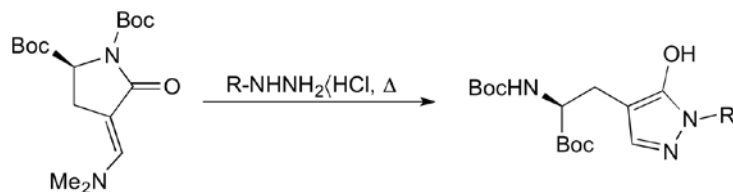
2306 Highly Chemoselective Synthesis of Benzimidazoles in Sc(OTf)₃-Catalyzed System

Liyan Fan,* Lulu Kong, and Wen Chen


 Benzoimidazole Sc(OTf)₃-Catalyzed Reaction Chemoselectivity

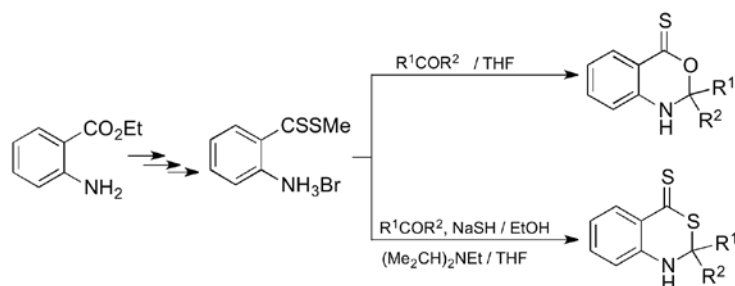
2315 Synthesis of Novel (S)-N-Boc-3-Pyrazolylalanine-Derived α -Amino Acids

Uroš Grošelj* and Jurij Svetec


 Pyroglutamic Acid Ring-switching Hydrazine Non-proteinogenic α -Amino Acid Pyrazole Derivative

2327 Novel Synthesis of 1,2-Dihydro-4H-3,1-benzoxazine-4-thiones by the Reaction of Newsynthesized Methyl Dithioanthranilate Hydrobromide with Carbonyl Compounds and the Formation of Another New Class of 1,2-Dihydro-4H-3,1-benzothiazine-4-thiones from the Same Reactants in the Presence of Excess Sodium Hydrosulfide

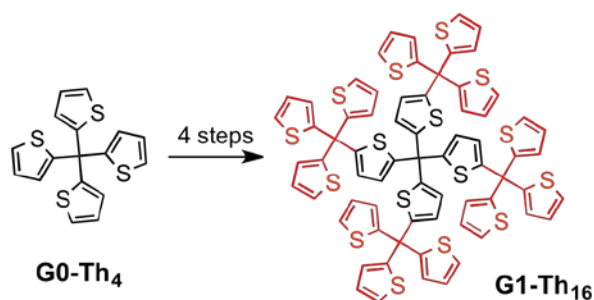
Tatsuo Yamamoto* and Motomu Muraoka



Methyl Dithioanthranilate 3,1-Benzoxazine-4-thione 3,1-Benzothiazine-4-thione Ultrasonic Irradiation

2343 Synthesis, Molecular Structure, And Morphological Properties of Dendritic Tetra-2-thienylmethane

Kouzou Matsumoto,* Sota Kugo, Takeshi Suzuki, Daisuke Takajo, Akira Inaba, Yasukazu Hirao, Hiroyuki Kurata, and Takashi Kubo*

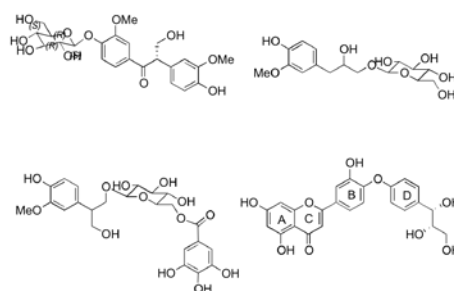


Dendrimer Tetra-2-thienylmethane Morphology Thiophene Materials Science

■ SHORT PAPERS

2355 Phenolic Derivatives from the Stems of *Lagerstroemia indica* and Their Biological Activity

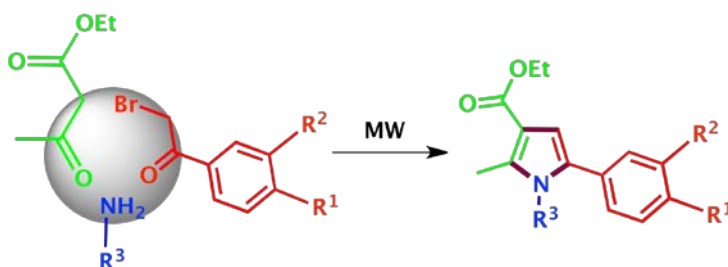
Kyeong Wan Woo, Won Se Suh, Lalita Subedi, Sun Yeou Kim, Sang Un Choi, Ki Hyun Kim, and Kang Ro Lee*



Lagerstroemia indica Phenolic Glycoside Cytotoxicity

2367 Microwave-Assisted One-Pot Synthesis of *N*-Substituted 2-Methyl-1*H*-pyrrole-3-carboxylate Derivatives without Catalyst and Solvent

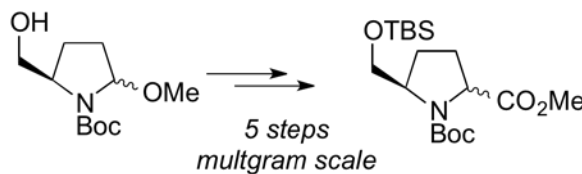
Wei Kan, Tao Jing, Xiao-hong Zhang, Yong-jie Zheng, Lin Chen, and Bing Zhao



One-Pot Synthesis *N*-Substituted 2-Methyl-1*H*-pyrrole-3-carboxylate Microwave Irradiation Catalyst Free

2377 A Facile Synthesis of (2*R*/*S*,5*R*)-1-*tert*-Butyl 2-Methyl 5-(((*tert*-Butyldimethylsilyl)oxy)methyl)pyrrolidine-1,2-dicarboxylate

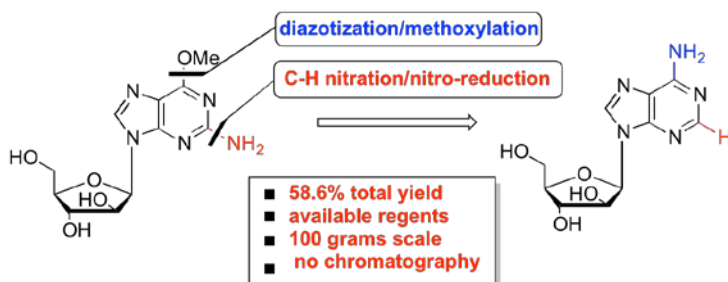
Yoko Yasuno, Yuya Yoshida, Akito Nishimura, Yasufumi Ohfuné, and Tetsuro Shinada*



Pyrrolidine Nitrile Transesterification

2386 Synthesis of Nelarabine with Pure β -Anomer through Late-Stage C-H Nitration/Nitro-Reduction

Ran Xia,* Li-Ping Sun, and Gui-Rong Qu



Nelarabine Vidarabine Nitration C-H Bond Functionalization

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2395 Polyketides
 - 2398 Aromatics
 - 2400 Terpenes
 - 2402 Alkaloids
 - 2410 Miscellaneous
-

■ BRUSH UP YOUR HETEROCYCLES

- 2411 Brush Up Your Heterocycles
-

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