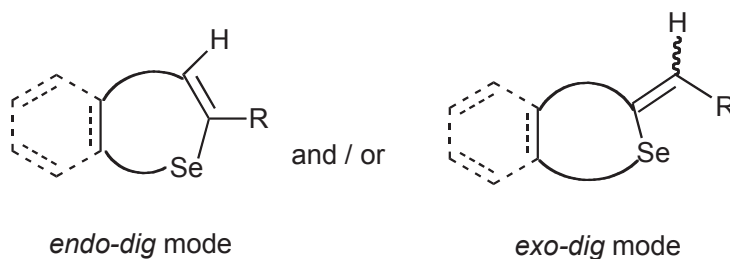


■ REVIEW

2223 Preparation of Selenium-Containing Heterocycles Based on an Intramolecular Cyclization of Selenols and Relatives

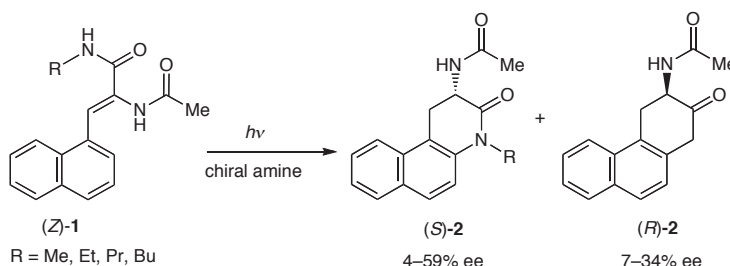
Haruki Sashida*


 Selenium-Containing Heterocycle Selenol Intramolecular Cyclization *exo-dig* Mode *endo-dig* Mode

■ COMMUNICATIONS

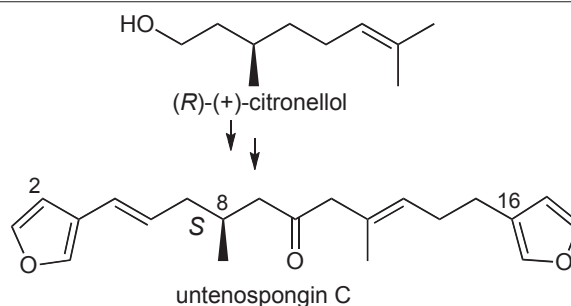
 2255 Asymmetric Photocyclization Reactions of *N*-Acetyl- α -dehydro(1-naphthyl)alaninamides in the Presence of Chiral Amine

Kei Maekawa, Toshiyuki Tanami, Tetsutaro Igarashi, and Tadimitsu Sakurai*


 α -Dehydro(1-naphthyl)alaninamide Chiral Amine Electron Transfer Asymmetric Photocyclization 3,4-Dihydrobenzo[*f*]quinolinone

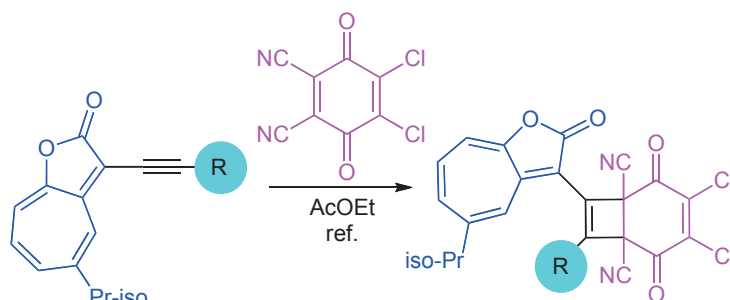
 2265 Synthesis of (-)-Untenospongine C, a C₂₁ Furanoterpene Isolated from the Okinawan Sponge *Hippospongia* Sp.

Yoshihiro Noda,* Shuji Ugajin, Akihiko Yamanaka, and Natsuki Mamiya


 C₂₁ Furanoterpene (-)-Untenospongine C Enantioselective Synthesis Marine Sponge Natural Product Wittig Reaction

 2271 The [2+2] Cycloaddition Reaction of Ethynylated 2*H*-Cyclohepta[*b*]furan-2-ones with 2,3-Dichloro-5,6-dicyano-1,4-benzoquinone

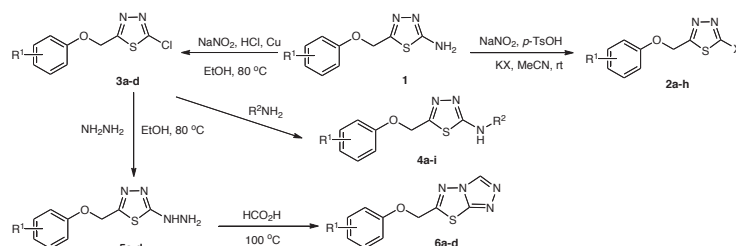
Taku Shoji,* Junya Higashi, Shunji Ito, Masafumi Yasunami, and Noboru Morita*


 Heteroazulene 2*H*-Cyclohepta[*b*]furan-2-one Acetylene Cycloaddition UV-Vis Spectrum

■ PAPERS

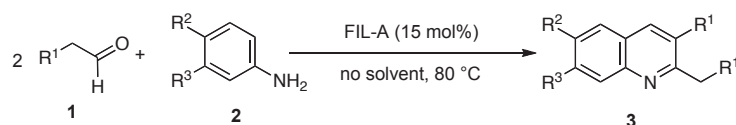
2275 Utilization of 2-Halo-1,3,4-thiadiazoles in the Synthesis of 2-Functionalized 1,3,4-Thiadiazole Derivatives

Xi-Cun Wang,* Jin-Ge Luo, Xiao-Mei Ding, and Zheng-Jun Quan


 2-Substituted 1,3,4-Thiadiazole Diazotization Reaction Nucleophilic Substitution Reaction 6-Substituted [1,2,4]Triazolo[3,4-*b*][1,3,4]thiazole

2289 Efficient One-Pot Synthesis of 2-Alkylquinolines under Solvent-Free Conditions Using Sulfonic Acid Functionalized Ionic Liquid as a Recoverable and Reusable Catalyst

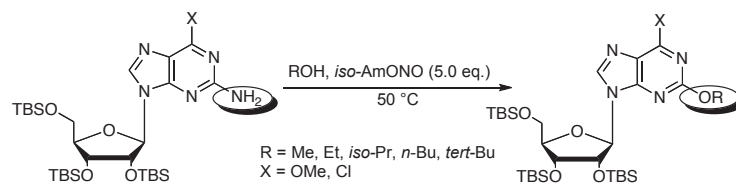
Min Zhang,* Biao Xiong, Ting Wang, Yu-Qiang Ding,* and Li Wang



2-Alkylquinoline Recoverable and Reusable Catalyst Solvent-Free Conditions Functionalized Ionic Liquid Heterocycle

2299 A New Method for Synthesis of 2-Alkoxyadenosine Analogs

Norikazu Sakakibara, Takashi Tsuruta, Masahiro Komatsu, Masatoshi Iwai, and Tokumi Maruyama*

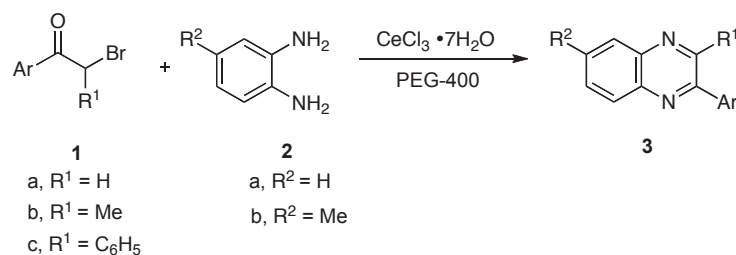


Nucleoside Analogue Diazonium Ion Spongosine Synthesis Alkoxylation Bioactivity

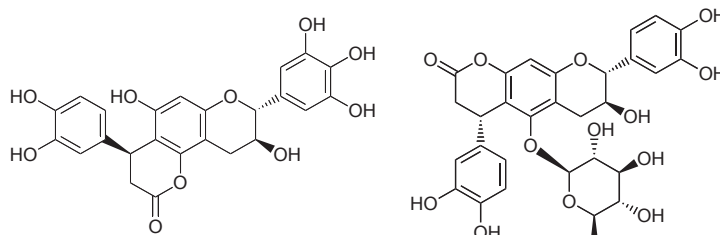
■ SHORT PAPERS

2313 CeCl₃·7H₂O-Catalyzed Synthesis of Quinoxaline Derivatives in Liquid PEG-400

Fang-Wen Wu, Rei-Sheu Hou,* Huey-Min Wang, Iou-Jiun Kang, and Ling-Ching Chen*


 Quinoxaline Derivative CeCl₃·7H₂O PEG-400 Cyclodehydration

2321 New Phenylpropanoid-Substituted Flavan-3-ols from the Leaves of *Castanopsis sclerophylla*

 Yong-Lin Huang, Yosuke Matsuo, Takashi Tanaka,*
 Isao Kouno, Dian-Peng Li, and Gen-ichiro Nonaka


sclerophynin A

sclerophynin B

Castanopsis sclerophylla

Fagaceae

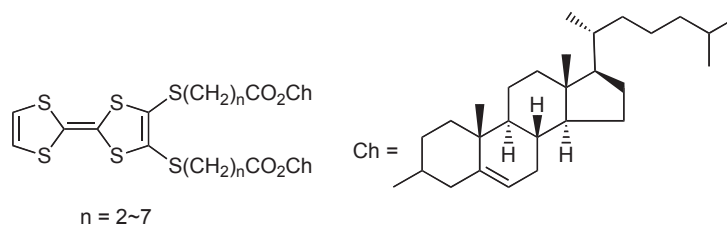
Polyphenol

Tannin

Chemotaxonomy

2329 The Glassy Mesomorphism of Unsymmetrical Bipedal Liquid Crystals Derived from Tetrathiafulvalene and Cholesterol

Ningjuan Zheng, Han Wang, Ruibin Hou, and Bingzhu Yin*


 $n = 2-7$

Tetrathiafulvalene

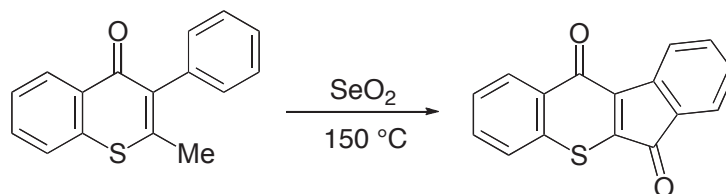
Cholesterol

Unsymmetrical Bipedal

Glassy Liquid Crystal

Smectic Phase

2337 Synthesis of Hetarenoindanone Based on Selenium Dioxide-Promoted Direct Intramolecular Cyclization

 Youlai Zhang, Hiroki Tanimoto, Yasuhiro Nishiyama,
 Tsumoru Morimoto, and Kiyomi Kakiuchi*


Allylic Oxidation

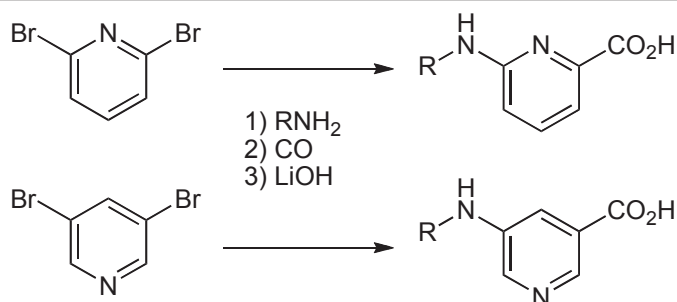
Selenium Dioxide

Thiochromene

Intramolecular Friedel-Crafts Reaction

Hetarenoindanone

2343 Convenient Synthesis of Aminopyridinecarboxylic Acids

 Iwao Okamoto,* Masayuki Terashima, Rempei Yoshioka,
 Tomonori Muramatsu, Satomi Kojima, Haruka Inoue,
 Mio Takahashi, Nobuyoshi Morita, and Osamu Tamura


Pyridinecarboxylic Acid

CO Insertion

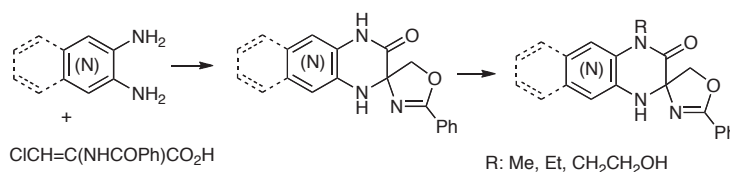
Picolinic Acid

Nicotinic Acid

Aminopyridine

2353 Synthesis and Alkylation of Spiro-2-oxazolines Containing Fused 3,4-Dihydropyrazin-2(1H)-ones

Irena Mušič and Bojan Verčec*


 $\text{ClCH}=\text{C}(\text{NHCOPh})\text{CO}_2\text{H}$
 $\text{R: Me, Et, CH}_2\text{CH}_2\text{OH}$

Spiro Compound

Oxazoline

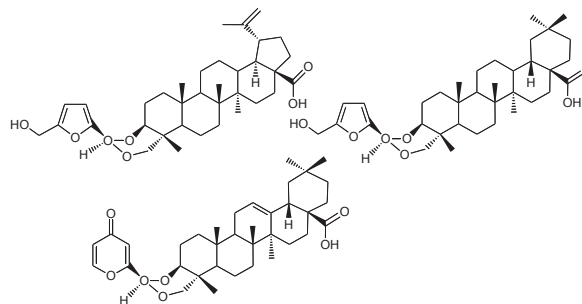
Fused Dihydropyrazinone

Cyclization

Alkylation

2365 Three New Triterpenoids from *Pulsatilla chinensis* (Bunge) Regel and Their Cytotoxic Activities

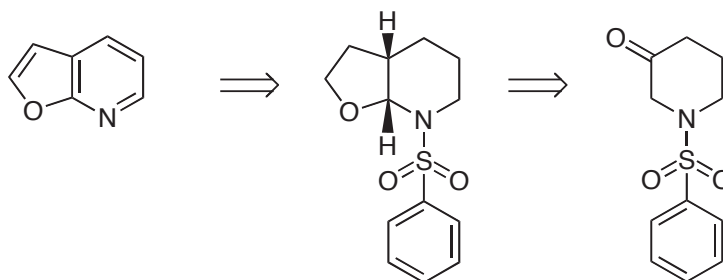
Zhan Shu, Zhong Chen, Xiu-juan Ding, Bing-qian Lu, Chen-jiao Ji, Qiong-ming Xu,* Xiao-ran Li, and Shi-lin Yang



Pulsatilla chinensis (Bunge) Regel Pulsatilla Triterpenic Acid A Pulsatilla Triterpenic Acid B Pulsatilla Triterpenic Acid C Cytotoxic Activity

2373 Synthesis of Furo[2,3-*b*]pyridine

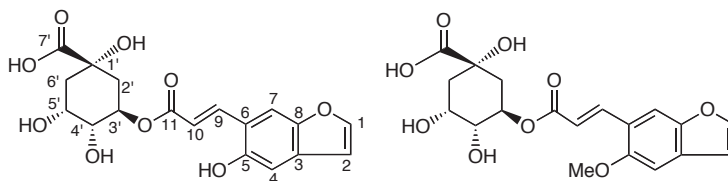
Meng-Yang Chang* and Hang-Yi Tai



Furo[2,3-*b*]pyridine *N*-Benzenesulfonylpiperidin-3-one Wittig Olefination Deconjugation Aromatization

2381 Two New Benzofuranylpropanoids from *Nicotiana tabacum* and Their Anti-Tobacco Mosaic Virus Activities

Jianlin Tan, Zhangyu Chen, Guangyu Yang, Mingming Miao, Yongkuan Chen,* and Tianfei Li*



Nicotiana tabacum Benzofuranylpropanoid Nicotifuran A Nicotifuran B Anti-Tobacco Mosaic Virus Activity

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 2387 Polyketides
- 2396 Aromatics
- 2404 Terpenes
- 2419 Steroid
- 2420 Alkaloids
- 2429 Miscellaneous

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2431 Polyketides
 - 2437 Aromatics
 - 2440 Terpenes
 - 2442 Alkaloids
-

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2373	Tai, Hang-Yi		
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2343	Tamura, Osamu		
2381	Tan, Jianlin		
2321	Tanaka, Takashi		
2255	Tanami, Toshiyuki		
2337	Tanimoto, Hiroki		