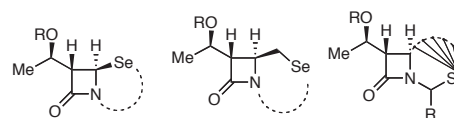


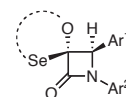
■ REVIEW

2439 **Selenium-Containing Bicyclic β -Lactams**

Dinesh R. Garud, Masayuki Ninomiya, and Mamoru Koketsu*



selenium-containing bicyclic β -lactams



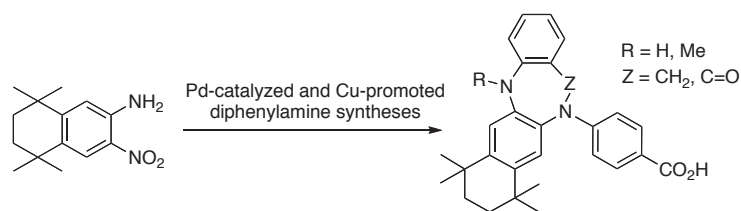
spiro seleno- β -lactams

Selenium-Containing Bicyclic β -Lactam Selenapenam Selenacephem Selenazepine Spiro Seleno- β -lactam

■ COMMUNICATIONS

2465 **Design and Synthesis of Novel Retinoid Synergists Having a Dibenzodiazepine Skeleton**

Kiminori Ohta, Emiko Kawachi, Koichi Shudo, and Hiroyuki Kagechika*

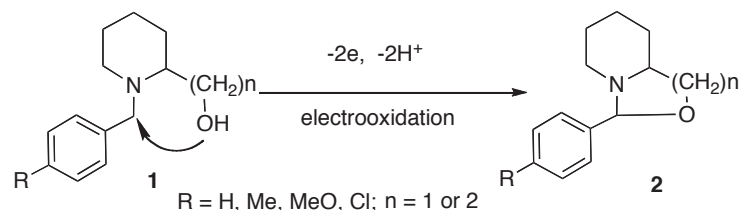


novel RXR agonists

Retinoid X Receptor Synergist Dibenzodiazepine Pd-Catalyzed Amination Cu-Promoted Coupling Reaction

2471 **Novel Application of Electrooxidative Method for the Cyclization of *N*-Benzyl-2-(hydroxymethyl)- and *N*-Benzyl-2-(2-hydroxyethyl)piperidines**

Mitsuhiro Okimoto,* Takashi Yoshida, Masayuki Hoshi, and Kousuke Ohashi



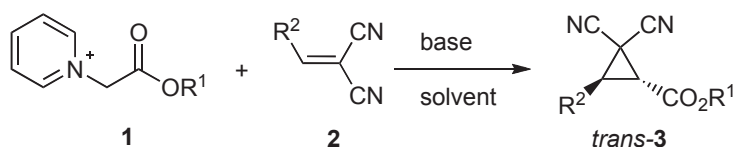
ca. 5°C, current passed: 3.7-6.2 Fmol⁻¹ Yield: 59-67 %

Electrooxidation Cyclization Mediator 1,3-Oxazinane Oxazolidine

■ PAPERS

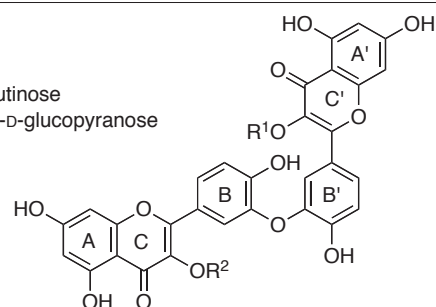
2479 Computational Study on the Cyclopropanation Reaction of Ylides Generated from α -Pyridiniumacetates

Shuji Matsumura,* Ryukichi Takagi, Satoshi Kojima, Katsuo Ohkata, and Manabu Abe


Ab initio MO Calculation DFT Calculation [3+2] Cycloaddition Diastereoselectivity Chemoselectivity

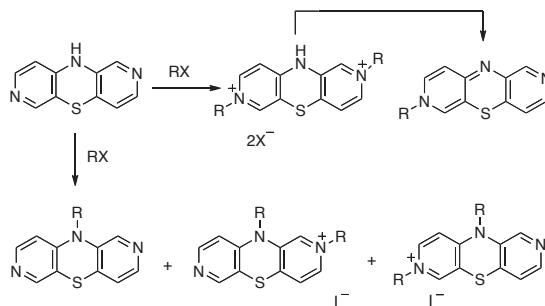
2497 Unique Phenyl Ether Type Biflavonoids, Zizyflavosides A and B with Biomimetic Synthesis for Zizyflavoside A

Mahmoud Mostafa,* Fumihide Takano, and Tomihisa Ohta*

 zizyflavoside A, $R^1, R^2 =$ rutinose
 zizyflavoside B, $R^1, R^2 = \beta$ -D-glucopyranose
 aglycone 3, $R^1, R^2 = H$

Zizyphus spina-christi Rhamnaceae Zizyflavoside Flavonoid TNF- α and IL-6

2511 Alkylations of 10*H*-2,7-Diazaphenothiazine to Alkyl-2,7-diazaphenothiazinium Salts and 7-Alkyl-2,7-diazaphenothiazines

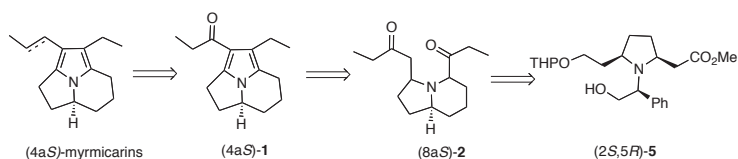
Beata Morak-Młodawska, Krystian Pluta,* Kinga Suwińska, and Małgorzata Jeleń



2,7-Diazaphenothiazine Dipyridothiazine Alkyl-2,7-diazaphenothiazinium Salt 7-Alkyl-2,7-diazaphenothiazine X-Ray Analysis

2523 Formal Total Synthesis of Enantiopure Tricyclic (*S*)-Myrmicarin Alkaloids 217, 215A and 215B

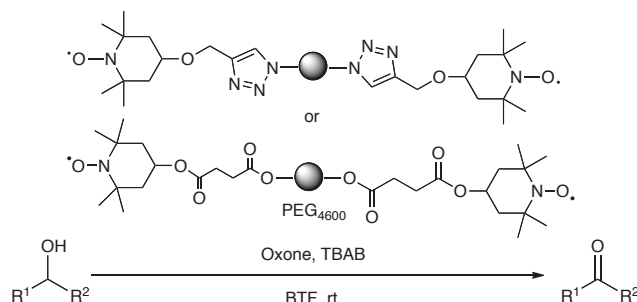
Marco Santarem, Corinne Vanucci-Bacqué,* and Gérard Lhommet*



Alkaloid Myrmicarin Aldol Reaction Pyrrolidine Pyrrole

2539 Mild Oxidation of Alcohols Using Soluble Polymer-Supported TEMPO in Combination with Oxone: Effect of a Basic Matrix of TEMPO Derivatives

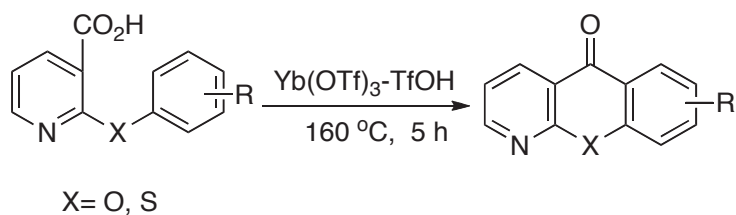
Kazutsugu Matsumoto,* Toshiaki Iwata, Masahiro Suenaga, Masayuki Okudomi, Masaki Nogawa, Mariko Nakano, Ai Sugahara, Yuta Bannai, and Kenji Baba



Catalysis Oxidation of Alcohol PEG Soluble Polymer TEMPO Derivative

2555 Synthesis of 1-Azaxanthenes and 1-Azathioxanthenes by Yb(OTf)₃/TfOH Co-Catalyzed Intramolecular Friedel-Crafts Reaction

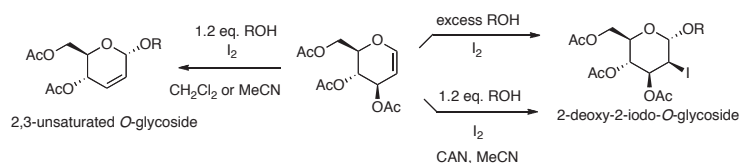
Jie Li, Can Jin, and Weike Su*



1-Azaxanthone 1-Azathioxanthone Intramolecular Cyclization Friedel-Crafts Reaction Ytterbium Triflate

2569 Convertible Formation of Different Glycoside Using Molecular Iodine

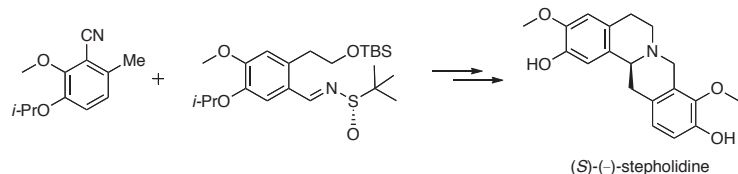
Rungnapha Saeeng,* Uthaiwan Sirion, Yada Sirichan, Thanida Trakulsujaritchook, and Poolsak Sahakitpichan



Glycosylation Iodine 2-Deoxy-2-iodoglycoside 2,3-Unsaturated Glycoside Ceric Ammonium Nitrate

2581 Total Synthesis of (S)-(-)-Stepholidine Using (S)-tert-Butanesulfinylimine

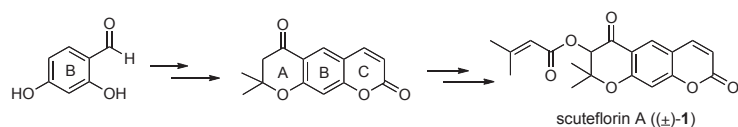
Jianjun Cheng, Liqiang Fu, Chenyu Ling, and Yushe Yang*



Tetrahydroprotoberberine Stepholidine Total Synthesis Sulfinylimine Schizophrenia

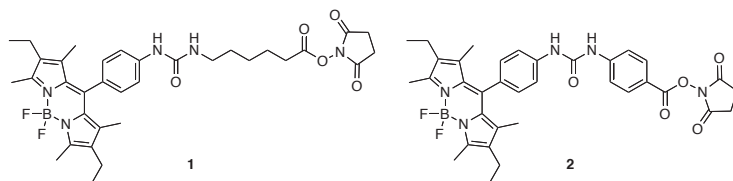
NOTES
2593 Total Synthesis of (±)-Scuteflorin A

Fang Tan, Liu-Lan Shen, Young-Shin Kwak,* and Jin-Hyun Jeong*


 Racemic Scuteflorin A Decursin *Scutellaria lateriflora* American Skullcap PKC Activator

2599 Synthesis of Readily Accessible BODIPY-Based Fluorescence Derivatization Reagents for Amines

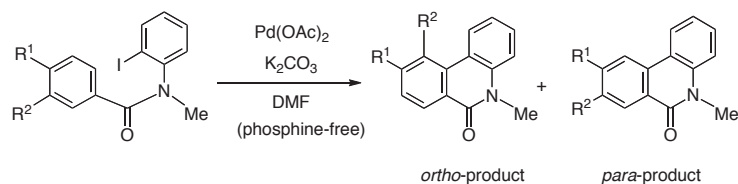
Ryota Saito* and Eri Ito



4,4-Difluorobora-3a,4a-diaza-s-indacene (BODIPY) Fluorescence Derivatization Reagent HPLC Detection Limit

2609 Regioselectivity in Direct Arylation of Benzanilide Possessing Oxygen Substituents in the Benzoyl Part Using Palladium without Phosphine Ligand

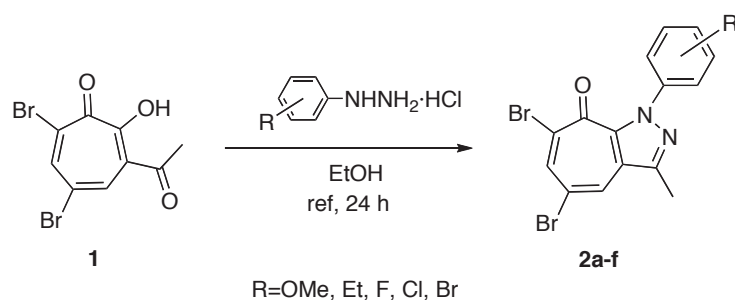
Takashi Harayama,* Chie Nagura, Taeko Miyagoe, Yuko Kawata, Hitoshi Abe, and Yasuo Takeuchi



Direct Arylation Palladium-Assisted Reaction Phosphine-Free Regioselectivity Ether Oxygen

2617 Synthesis of 5,7-Dibromotropono[*d*]pyrazole Derivatives

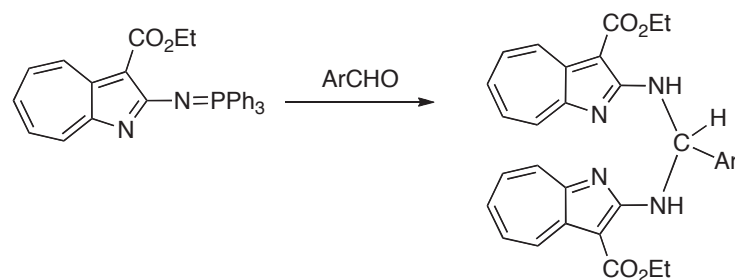
Yang Li and Wentao Gao*



Tropone Pyrazole Aromatic Hydrazine Condensation Reaction Synthesis

2625 The Reaction of [(1-Azaazulen-2-yl)imino]phosphorane with Arylaldehydes: Formation of Bis[(1-azaazulen-2-yl)-amino]arylmethanes

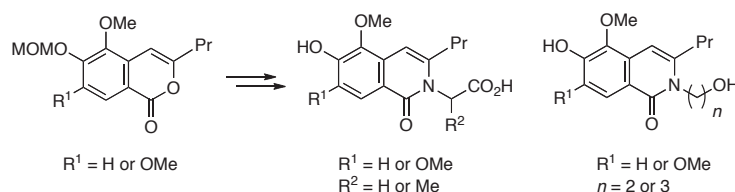
Hiroyuki Fujii, Kentaro Nagamatsu, Takahiro Gunji, Toshihiro Murafuji, and Noritaka Abe*



Azaazulene Aza-Wittig Reaction Condensation (Azaazulen-2-yl)iminophosphorane Addition Reaction

2635 Synthesis and Evaluation of Phosphodiesterase IV Inhibitory Potency of Isocarbostyryl Derivatives of Naturally Occurring Isocoumarins, Scoparines A and B

Kumiko Taguchi, Koichi Kobayashi, Keiko Ishida, Katsuo Kamata, and Toshio Honda*



Isocarbostyryl Derivative Phosphodiesterase IV Inhibitory Activity Isocoumarin Scoparine A Scoparine B

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 2649 Polyketides
 - 2654 Aromatics
 - 2665 Terpenes
 - 2689 Steroids
 - 2693 Alkaloids
 - 2703 Miscellaneous
-

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2705 Polyketides
 - 2709 Aromatics
 - 2712 Terpenes
 - 2714 Alkaloids
-

**Contributors
To This Issue**

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2523	Santarem, Marco		