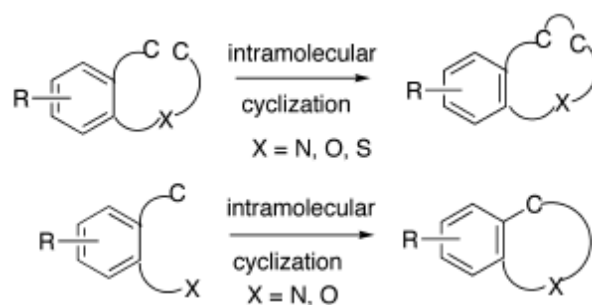


■ REVIEW

1011 **Advances in the Synthesis and Biological Perspectives of Benzannulated Medium Ring Heterocycles**

Tirtha Pada Majhi, Basudeb Achari, and Partha Chattopadhyay\*

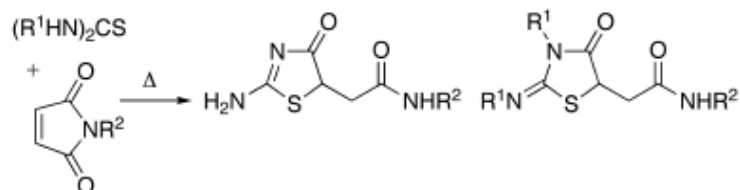


Intramolecular Cyclization    Benzofused Heterocycle    Privileged Structure    Antagonist    Medium Ring

■ COMMUNICATION

1053 **Efficient 2-Amino-2-thiazolin-4-ones or 2-Iminothiazolidin-4-ones Formation from Thioureas and Maleimides under Solvent-Free Conditions**

Tetsuro Shimo, Yuki Matsuda, Tetsuo Iwanaga, Teruo Shinmyozu, and Kenichi Somekawa\*

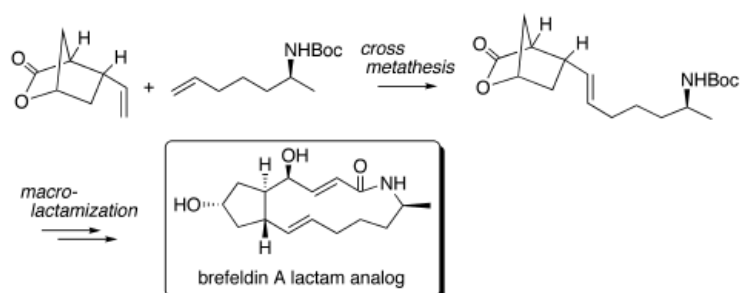


Thiourea    Maleimide    Solvent-Free Condensation    2-Amino-2-thiazolin-4-one    2-Iminothiazolidin-4-one

■ PAPERS

1059 **Synthesis of Lactam Analog of 4-Epi-brefeldin A**

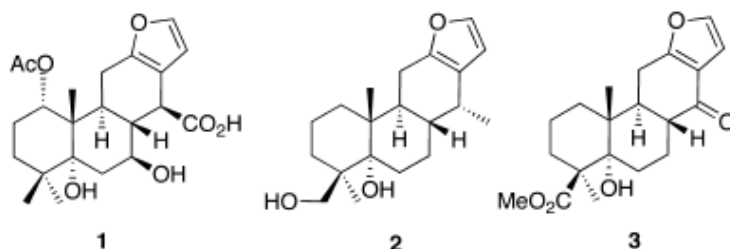
Seung-Mann Paek, Seung-Yong Seo, Kyung-Hoon Min, Dong Mok Shin, Young Keun Chung, and Young-Ger Suh\*



(+)-Brefeldin A    4-*epi*-Brefeldin A Lactam Analog    Crystal Structure    Cross Metathesis    Macrolactamization

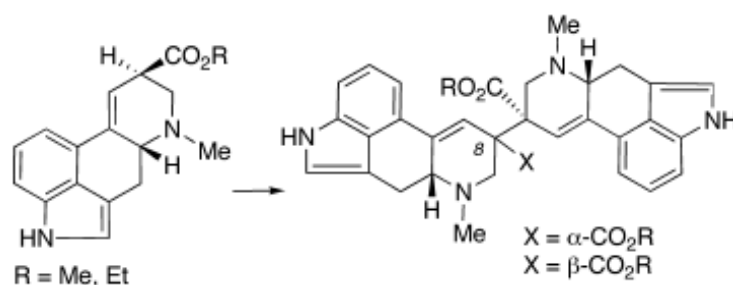
**1067 Cassane and Norcassane Diterpenoids of *Caesalpinia bonduc***

Joy S. Roach, Stewart McLean, William F. Reynolds, and Winston F. Tinto\*


*Caesalpinia bonduc* Cassane Diterpene Norcassane Diterpene 2D NMR Spectrum Anti-Tumor Activity

**1075 Dimerization of (+)-Lysergic Acid Esters**

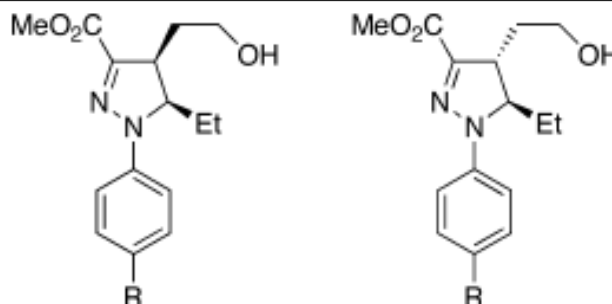
István Moldvai,\* Eszter Gács-Baitz, Eszter Termesvári-Major, Luca Russo, Imre Pápai, Kari Rissanen, Éva Szárics, Julianna Kardos, and Csaba Szántay



Ergot Alkaloid Dimerization Radical Reaction DFT Calculation X-Ray Diffraction

**1095 Reaction of Hydrazonoyl Chlorides to Trimethylsilyl Homoallyl Ethers**

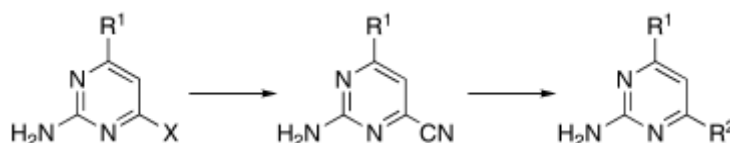
Paola Del Buttero, Giorgio Molteni,\* Sara Mondini, and Alessandro Ponti



1,3-Dipolar Cycloaddition Nitrilimine Trimethylsilyl Ether Cleavage DFT Calculation Silver-Complexed Transition State

**1107 Efficient Synthesis of Pyrimidinecarbonitriles and Their Derivatives**

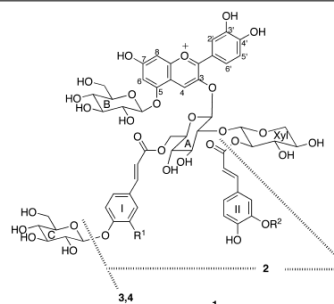
Petra Doláková, Milena Masojídková, and Antonín Holý\*



Pyrimidine Cross-Coupling Reaction C-Substitution Carbonitrile

**1117 Four Acylated Cyanidin 3-Sambubioside-5-glucosides from the Purple-Violet Flowers of *Lobularia maritima***

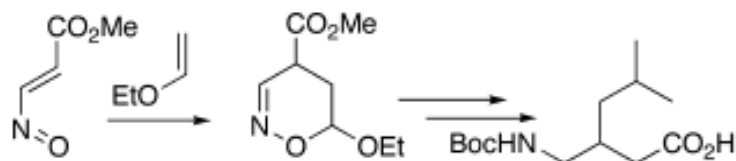
Fumi Tatsuzawa,\* Kenjiro Toki, Norio Saito, Koichi Shinoda, Atsushi Shigihara, and Toshio Honda


*Lobularia maritima* Cruciferae Cyanidin 3-Sambubioside-5-glucoside *p*-Hydroxycinnamic Acid 4-Glucosyl-*p*-coumaric Acid

## ■ NOTES

**1127 Efficient Synthesis of (±)-*N*-Boc-pregabalin *via* Hetero-Diels-Alder Addition of Methyl 3-Nitrosoacrylate to Ethyl Vinyl Ether**

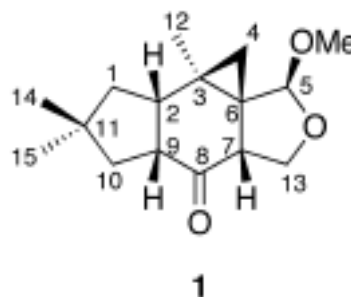
John K. Gallos,\* Elli S. Alexandraki, and Christos I. Stathakis



Pregabalin    Hetero-Diels-Alder Reaction    Methyl 3-Nitrosoacrylate    Oxazine    Wittig Reaction

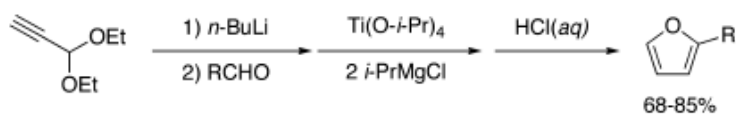
**1135 Pubescenone, a New Marasmane Sesquiterpenoid from the Mushroom *Lactarius pubescens***

Hong-Jun Shao, Chun-Jiang Wang, Yun Dai, Fei Wang, Wan-Qiu Yang, and Ji-Kai Liu\*


*Lactarius pubescens*    Mushroom    Marasmane Sesquiterpenoid    Pubescenone

**1141 Efficient One-Pot Synthesis of 2-Substituted Furans from 3,3-Diethoxypropyne and Aldehydes Using a  $\text{Ti}(\text{O}-i\text{-Pr})_4$  *i*-PrMgCl Reagent**

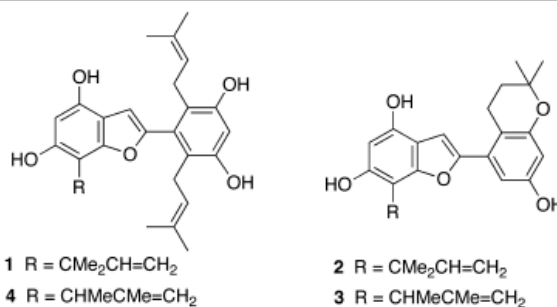
Deok Ki Eom, Seong Jib Choi, and Duk Keun An\*



Furan    3,3-Diethoxypropyne    Titanium

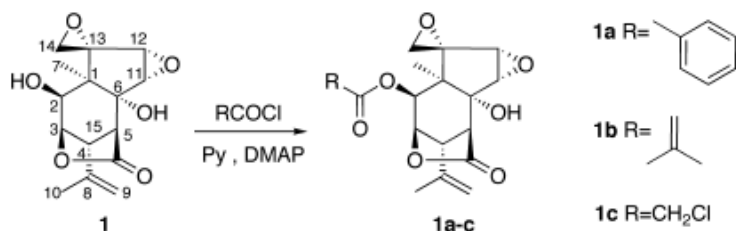
**1147 Four New Prenylated 2-Arylbenzofurans from the Root Bark of *Artocarpus petelotii***

Hong Shen, Ai-Jun Hou,\* and Ji-Zong Li


*Artocarpus petelotii*    Moraceae    Prenylated 2-Arylbenzofuran    Artopetelins H-K

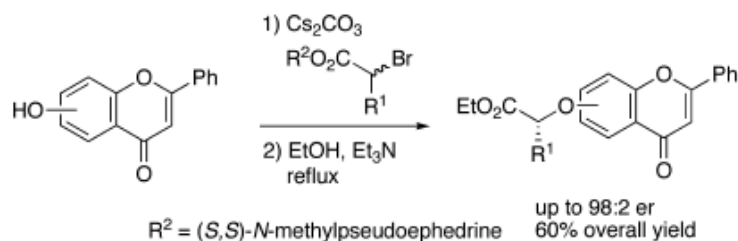
**1155 Semisynthesis and Antifeedant Activity of New Acylated Derivatives of Tutin, a Sesquiterpene Lactone from *Coriaria sinica***

Meng-Lou Li, Jun Cui, Rui-Hao Qin, Jin-Ming Gao,\* Yan-Bing Zhang, Xin-Rong Guo, and Wei Zhang


*Coriaria sinica*    Sesquiterpene Lactone    Tutin    Acylated Analog    Antifeedant Activity

**1163 *N*-Methylpseudoephedrine-Mediated Asymmetric Syntheses of *O*-Carboxyalkylated Flavones**

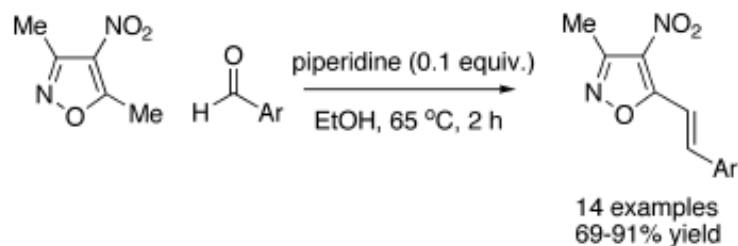
Kyoung Hee Kang, Ji Hyeon Heo, Yongtae Kim, and Yong Sun Park\*



Flavonoid    Asymmetric Synthesis    Nucleophilic Substitution    Chiral Auxiliary    Dynamic Thermodynamic Resolution

**1173 An Improved Synthesis of 3-Methyl-4-nitro-5-hetero-arylethenylisoxazoles**

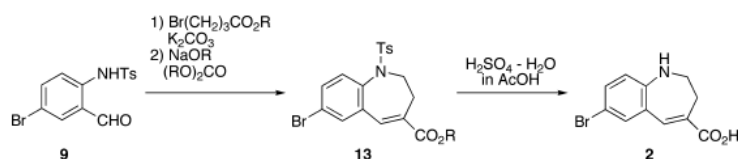
Mauro F. A. Adamo,\* Eleanor F. Duffy, Vivekananda R. Konda, and Finbar Murphy



Isoxazole    Polyfunctional Scaffold    5-Ethenylisoxazole    Knoevenagel Reaction    Mannich Reaction

**1183 Preparation of a 1-Unsubstituted 2,3-Dihydro-1-benzazepine Derivative**

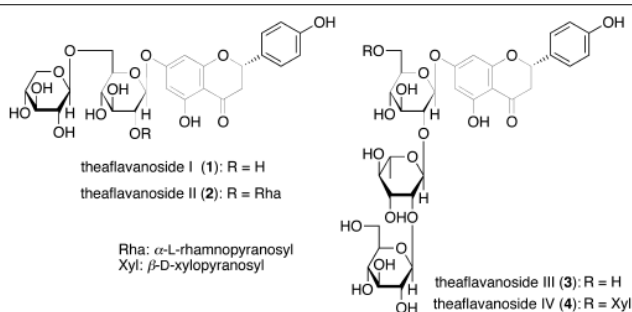
Atsuko Nishiguchi,\* Tomomi Ikemoto, Tatsuya Ito, Shotaro Miura, and Kiminori Tomimatsu



1-Unsubstituted 2,3-Dihydro-1-benzazepine    Claisen Type Condensation    Dialkyl Carbonate    Orally Active CCR5 Antagonist

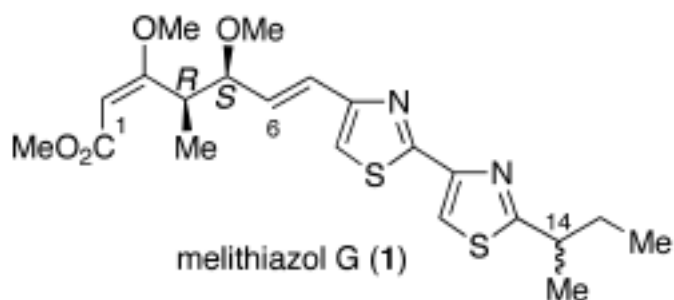
**1193 New Flavanone Oligoglycosides, Theaflavanosides I, II, III, and IV, with Hepatoprotective Activity from the Seeds of Tea Plant (*Camellia sinensis*)**

Ning Li, Toshio Morikawa, Hisashi Matsuda, Kiyofumi Ninomiya, Xian Li, and Masayuki Yoshikawa\*


*Camellia sinensis*    Theaflavanoside    Hepatoprotective Activity    Theaceae    Tea Plant

**1203 Synthesis of a Diastereomeric Mixture of (4*R*,5*S*,6*E*,14*R*)- and (4*R*,5*S*,6*E*,14*S*)-Melithiazols G**

Hiroyuki Takayama, Keisuke Kato, Masayuki Kimura, and Hiroyuki Akita\*



Antibiotic    Melithiazol    Bithiazole    Natural Product Synthesis

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

---

- 1211 Polyketides
  - 1222 Aromatics
  - 1227 Terpenes
  - 1231 Alkaloids
  - 1252 Miscellaneous
- 

■ BOOK REVIEW

---

- 1259 Heterocyclic Chemistry at a Glance
-