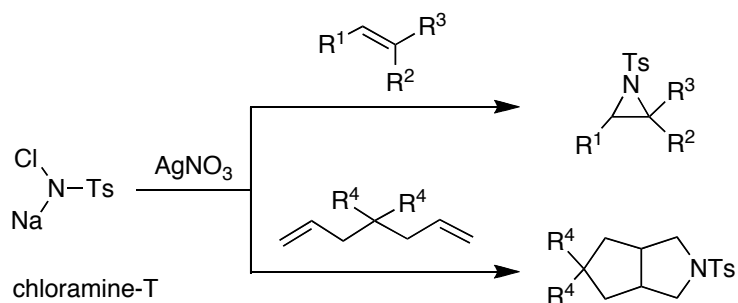


## ■ COMMUNICATIONS

**289 Introduction of an N1 Unit to Monoenes or 1,6-Dienes Using Chloramine-T-Silver Nitrate: A New Route to Aziridines or Bicyclic Pyrrolidines**

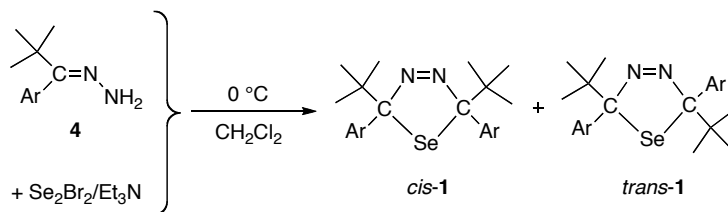
Yoji Oderaotoshi, Ryoko Fukuoka, Daisuke Kano, Satoshi Minakata, and Mitsuo Komatsu\*



Aziridine    Bicyclic Pyrrolidine    Tandem Cyclization    Triplet Nitrene

**299 First Isolation of *cis*- and *trans*-1,3,4-Selenadiazolines from Pivarophenone Hydrazones**

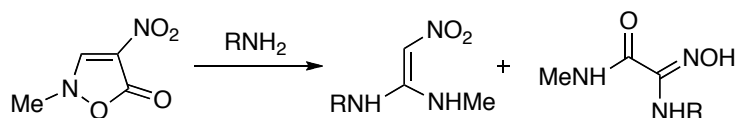
Yoshinobu Yokomori, Kento Kubo, and Kentaro Okuma\*



1,3,4-Selenadiazoline    Ketone Hydrazone    Diselenium Dibromide    Selenoketone    Olefin

**303 Facile Synthesis of Unsymmetrical 1,1-Diamino-2-nitroethenes and Functionalized Amidoximes**

Yasuo Tohda, Kazushige Hori, Noriko Asaka, Mina Tamura, Yoshikazu Okajima, Nagatoshi Nishiwaki, and Masahiro Ariga\*

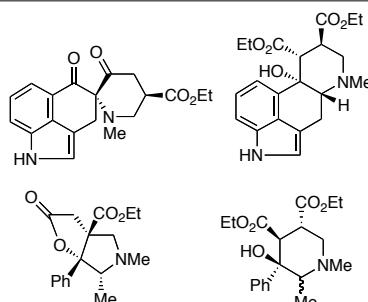


Nitroenamine    Nitroisoxazolone    Aminolysis    Nitrile Oxide    Nitroketene Aminal

## ■ PAPERS

**309 Chemistry of Indoles Carrying a Basic Function. Part VII. A New Aspect of Stobbe Reaction**

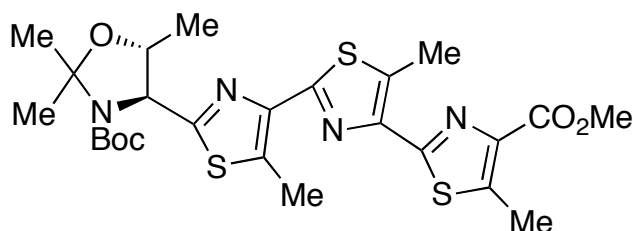
Eszter Gács-Baitz, Tünde Platthy, Mária Incze, Eszter Temesvári-Major, István Moldvai, and Csaba Szántay\*



Stobbe Reaction    Cyclization    Ergoline Ring    Piperidine    Dehydration

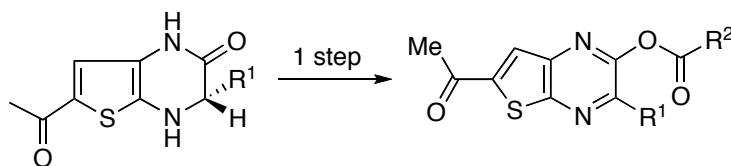
**321 Useful Synthesis of Various Thiazole and Polythiazolyl Derivatives from Thiocarboxamide and  $\beta$ -Bromoacyl Compound**

Yasuchika Yonezawa, Yasuhito Adachi, Atsushi Nagasaki, and Chung-gi Shin\*


 $\beta$ -Bromo- $\alpha$ -oxoalkanoate     $\alpha$ -Dehydroamino Acid    Thioamide    Thiazole    Polythiazole

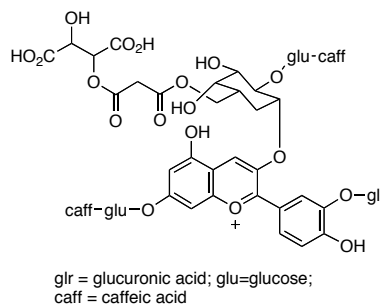
**337 Synthesis of Thieno[2,3-*b*]pyrazines via an Acylation — Deacylation Process of 3,4-Dihydro Precursors**

Franz Pertlik, Karin Trinkl, and Thomas Erker\*


 $\alpha$ -Acylation    Base-catalyzed Deacylation    X-Ray Diffraction Structure Analysis    Annelated Thiophene

**345 Acylated Cyanidin Glycosides from the Purple-red Flowers of *Anemone coronaria***

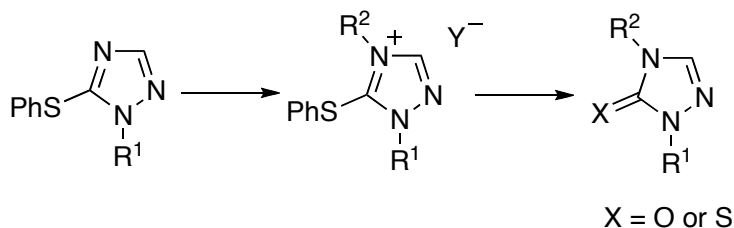
Atsushi Shigihara, Norio Saito, Kenjiro Toki, and Toshio Honda\*



Flower Color Pigment    Structure Determination    Anthocyanin    Anemone Purple Anthocyanin    2D NMR

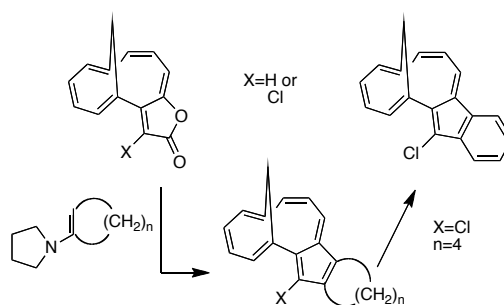
**351 A New Synthetic Method for Substituted 2,4-Dihydro-3*H*-1,2,4-triazol-3-ones and 3-thiones via 1,4-Dialkyl-5-phenylthio-1*H*-1,2,4-triazolium Salts**

Masayuki Yamashita, Kazuya Yamauchi, Shin-ya Kataoka, Akane Domen, Ikuo Kawasaki, and Shunsaku Ohta\*


 2,4-Dihydro-3*H*-1,2,4-triazol-3-one and 3-thione    5-Phenylthio-1*H*-1,2,4-triazole    Regioselective Synthesis

**365 Novel [12+2] Cycloaddition of 2*H*-4,9-Methanocycloundeca[*b*]furan-2-ones with Enamines: Synthesis and Properties of 4,9-Methanocyclopentacycloundecenes and a Benzo-annulated Derivative**

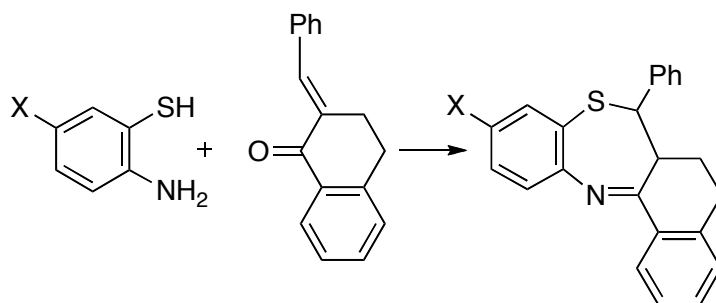
Hiroki Tomioka, Akira Akaogi, and Makoto Nitta\*


 2*H*-4,9-Methanocycloundeca[*b*]furan-2-one    4,9-Methanocyclopentacycloundecene    [12+2] Cycloaddition    6,11-Methanoindeno[2,1-*g*]cycloundecene

## ■ NOTES

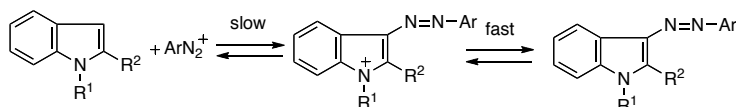
**373 Three New Eremophilenolides from *Ligularia hiberniflorum* (Makino) Kitam.**

Tetsuo Iwagawa, Hiroaki Okamura, Junichi Kurawaki, Kenji Higashi, Saori Maeda, and Munehiro Nakatani\*


 Compositae *Ligularia hiberniflorum* Eremophilenolide 8 $\alpha$ - and 8 $\beta$ -Methoxy Derivatives CD Spectra

**379 Electrophilic Substitution in Indoles, Part 20' Hammett Correlations of the Coupling of Aryldiazonium Tetrafluoroborates with Indole and Its 1-, 2- and 3-Methyl Derivatives**

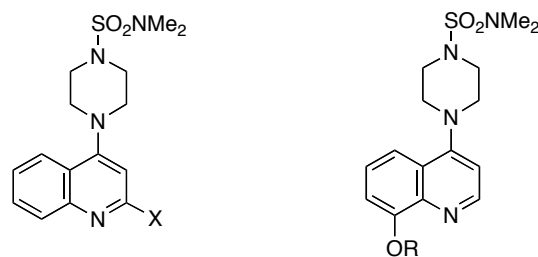
Hulya Kahyaoglu, Selda Aldemir, and Meysun I. Abdullah\*



Diazonium Salt Reaction Kinetics Methylindole Arylazaindole

**385 Synthesis of 4-[4-(*N,N*-Dimethylsulfamoyl)piperazin-1-yl]quinolines Derivatives as Sorbitol Dehydrogenase Potential Inhibitors**

Daniel Lesieur, Eric Fourmaintraux, Didier Varlet, and Patrick Depreux\*

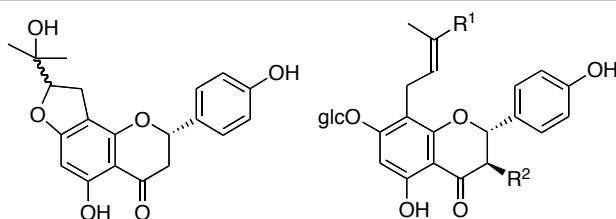

 X=H, Me, MeOH, CHO, CO<sub>2</sub>H

R=H, Me

Quinoline Sorbitol Dehydrogenase Piperazine Diabetes

**397 Constituents of Leaves of *Phellodendron chinense* var. *glabriusculum***

Han-Dong Sun, Chia-Ying Li, Chung-Ren Su, Ping-Chung Kuo, A. G. Damu, Meei-Yu Hsu, and Tian-Shung Wu\*



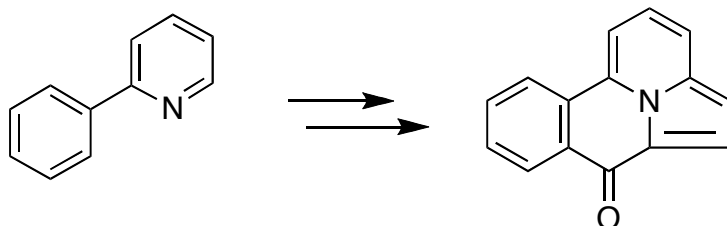
Phellodensin D (1)

 R<sup>1</sup>=CH<sub>2</sub>OH R<sup>2</sup>=H Phellodensin E (2)  
 R<sup>1</sup>=Me R<sup>2</sup>=H Phellodensin F (3)

Rutaceae Flavanone Phellodensin Glycoside Traditional Chinese Medicine

**405 Synthesis of an Annulenoannulenone, 3*H*-Benzo[*e*]cycl[3.3.2]azin-3-one**

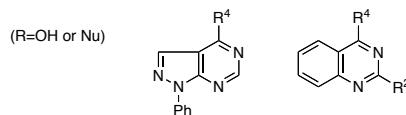
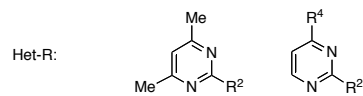
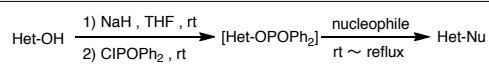
Kouhei Yamashita, Takashi Uemura, Keisuke Katou, Shinya Kohra, and Yoshiro Matsuda\*



Annulenoannulenone Benzocycl[3.3.2]azin-3-one Diatropicity Indenoinolizin-10-one Heck Reaction

**413 The One-Pot Conversion of Pyrimidinone Derivatives into Substituted Pyrimidines Using Diphenylphosphinic Chloride under a Mild Condition**

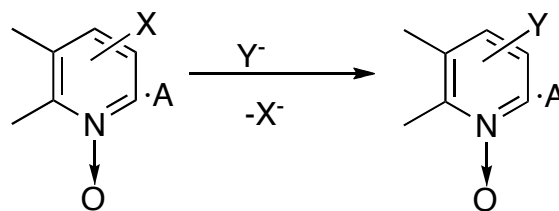
Takeshi Yokoi, Ken-ichi Tanji, and Osamu Sugimoto\*



Pyrimidinone    Amination    Diphenylphosphinic Chloride    Heteroaromatics

**REVIEWS**
**419 Molecular Complexes of Heteroaromatic *N*-Oxides and Their Reactions with Nucleophiles**

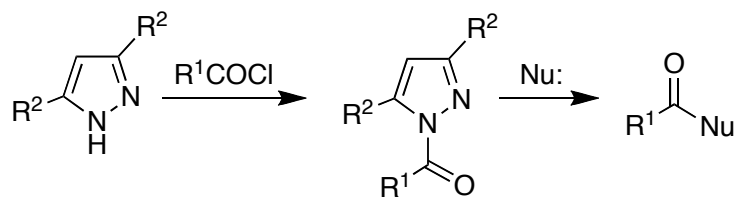
Ludmila L. Rodina, Alexander V. Ryzhakov, and Vladimir P. Andreev\*


 A-  $\pi$  or  $\nu$ - acceptors

 $\pi$ -Acceptor     $\nu$ -Acceptor    Heterocyclic *N*-Oxide    Molecular Complex

**437 Synthetic Utilities of *N*-Acylpyrazoles**

Choji Kashima\*



Preparation    Stability    Aminolysis    Alcoholysis    Grignard Reaction

■ NEW HETEROCYCLIC NATURAL PRODUCTS

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- 457 Polyketides
  - 461 Aromatics
  - 475 Terpenes
  - 484 Steroids
  - 487 Alkaloids
  - 494 Antibiotics
  - 495 Miscellaneous
- 

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

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- 501 Polyketides
  - 504 Aromatics
  - 506 Terpenes
  - 508 Alkaloids
  - 514 Miscellaneous
- 

■ ANNAOUNCEMENT

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- 517 Erratum
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