

■ REVIEW

695 Synthetic Routes towards Thiazolo[1,3,5]triazines (Review)

Anton V. Dolzhenko*

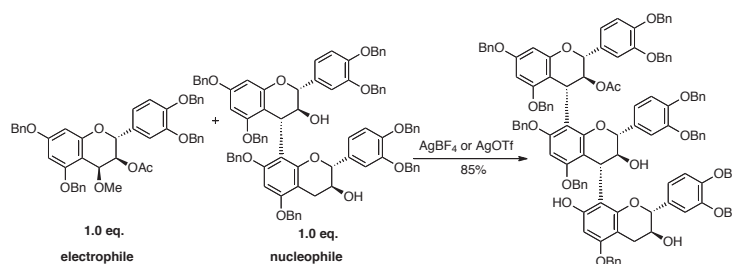


Triazine Thiazole Benzothiazole Thiazolo[1,3,5]triazine Ring Closure Reaction

■ COMMUNICATION

739 Efficient Stereoselective Synthesis of Catechin Trimer Derivative Using Silver Lewis Acid-Mediated Equimolar Condensation

Yukiko Oizumi, Yoshihiro Mohri, Yasunao Hattori, and Hidefumi Makabe*

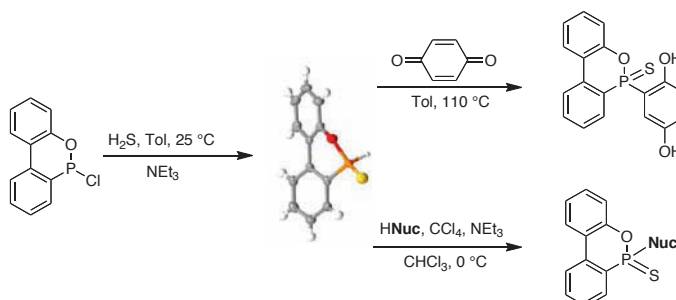


Polyphenol Lewis Acid Procyanidin Antioxidant Condensation

■ PAPERS

743 Synthesis and Reactivity of 6*H*-Dibenzo[*c,e*][1,2]-oxaphosphinine 6-Sulfide, a Novel Thiophosphacyclic Molecule

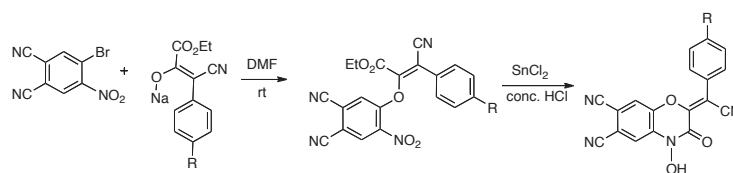
Muriel Rakotomalala, Sebastian Wagner, Thomas Zevaco, Michael Ciesielski, Olaf Walter, and Manfred Döring*



Organophosphorous Sulfur Pudovik Reaction Todd-Atherton Reaction Flame Retardant

755 Synthesis of Novel Substituted 4-Hydroxy-3-oxo-3,4-dihydro-2*H*-1,4-benzoxazine-6,7-dicarbonitriles

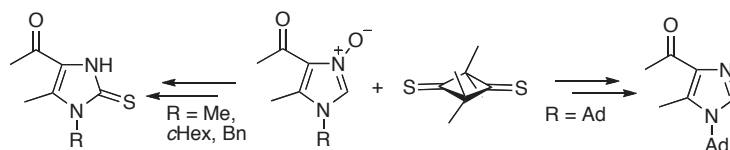
Sergey I. Filimonov,* Zhanna V. Chirkova,
Igor G. Abramov, Sergey I. Firgang,
Galina A. Stashina, and Kyrill Yu. Suponitsky



O-Nucleophilic Substitution Ether Reductive Cyclization Stereoselectivity X-Ray Diffraction Analysis

765 Synthesis of New Imidazole 3-Oxides; Unexpected Deoxygenation of Some Derivatives in the Reaction with 2,2,4,4-Tetramethylcyclobutane-1,3-dithione

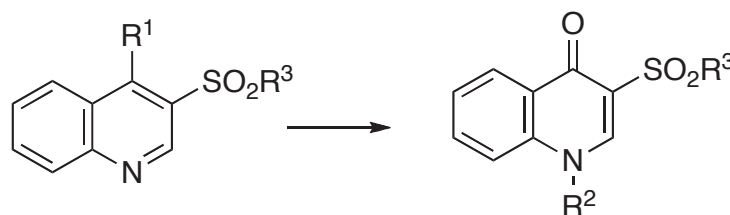
Grzegorz Mlostoń,* Marcin Jasinski, Dorota Rygielska,
and Heinz Heimgartner*



Imidazole 3-Oxide 2,2,4,4-Tetramethylcyclobutane-1,3-dithione Sulfur Transfer Reaction Deoxygenation Oxathirane

777 Synthesis of 3-Alkanesulfonyl-4(1*H*)-quinolinones from 3-Alkanesulfonyl-4-alkylsulfanylquinolines

Leszek Skrzypek,* Andrzej Maślankiewicz, and
Kinga Suwińska

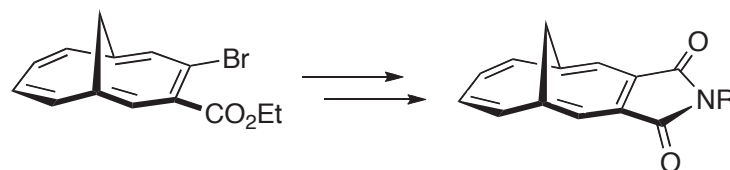


a) $R^2 = \text{H}, \text{H}_2\text{O} / \text{H}^+$
b) $R^2 = \text{alkyl}, \text{PTC conditions}$

4(1*H*)-Quinolinone Sulfonylquinoline *N*-Alkylation Nucleophilic Substitution

789 Synthesis and Emission Properties of 1,6-Methano[10]-annulene-3,4-dicarboximides

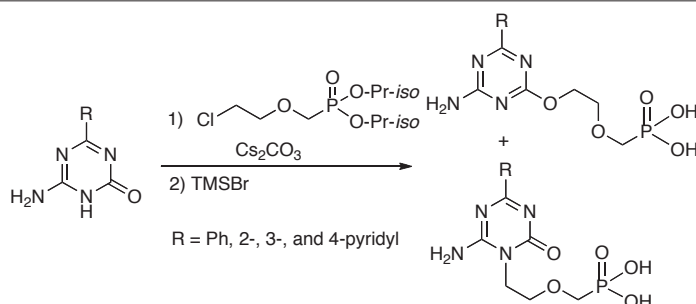
Shigeyasu Kuroda,* Naoko Tamura, Ryuta Miyatake,
Naoko Matsumoto, Yoshikazu Horino, Daisuke Miyawaki,
and Mitsunori Oda*



Dicarboximide Methano[10]annulene Cyanation Amination Emission Behavior

797 Synthesis of *O*²- and *N*²-(2-Phosphonomethoxy)ethyl Derivatives of 6-Phenyl- and 6-Pyridinyl-5-azacytosine

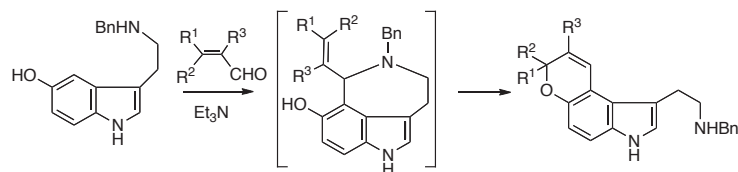
Miroslav Otmar,* Martin Dracinsky, Marcela Krecmerova,
Jan Balzarini, Graciela Andrei, and Robert Snoeck



Acyclic Nucleoside Phosphonate HPMP-5-aza-C PMEO Triazine 5-Azacytidine

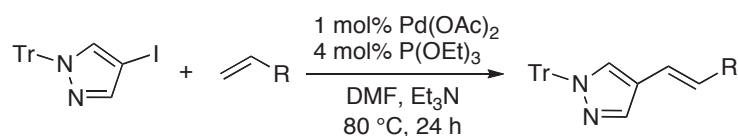
815 Facile Synthesis of Pyrano[3,2-*e*]indoles via the Base-Promoted Pictet-Spengler Reaction of *N*-Benzylserotonin

Koji Yamada, Sayaka Yamaguchi, Noriyuki Hatae, Takumi Abe, Tatsunori Iwamura, and Minoru Ishikura*


 Pyrano[3,2-*e*]indole Azepinoindole Pictet-Spengler Reaction Base Serotonin

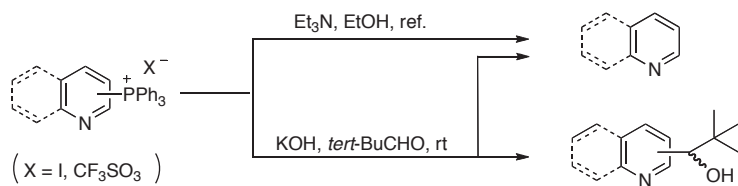
827 Heck-Mizoroki Reaction of 4-Iodo-1*H*-pyrazoles

Yoshihide Usami,* Hayato Ichikawa, and Shinya Harusawa


 4-Alkenyl-1*H*-pyrazole Synthesis Heck-Mizoroki Reaction Palladium Direct Functionalization

837 Preparation and Reaction of Quinolinylnyl (or Pyridinylnyl)-phosphonium Salts with Base and Pivalaldehyde

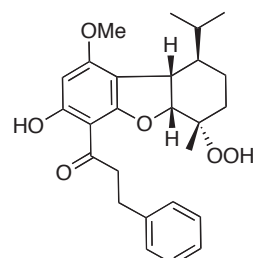
Minami Shimada, Osamu Sugimoto,* Akihiro Sato, and Ken-ichi Tanji



Pyridine Quinoline Phosphonium Salt Carbon-Carbon Bond Formation Aldehyde

SHORT PAPERS
849 The First Hydroperoxydihydrochalcone in the *Etingera* Genus: Etinglittoralin from the Rhizomes of *Etingera littoralis*

Chotika Jeerapong, Sarot Cheenpracha, Wisanu Maneerat, Uma Prawat, Thongchai Kruahong, and Surat Laphookhieo*

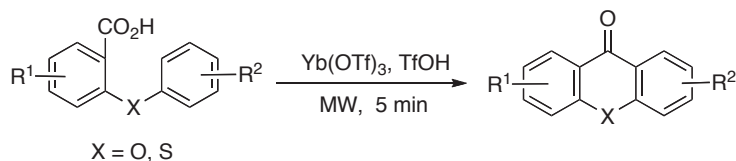


etinglittoralin

 Zingiberaceae *Etingera littoralis* Etinglittoralin Dihydrochalcone

855 Microwave-Assisted, Yb(OTf)₃/TfOH Cocatalyzed Synthesis of Xanthenes and Thioxanthenes by Intramolecular Friedel-Crafts Reaction under Solvent-Free Conditions

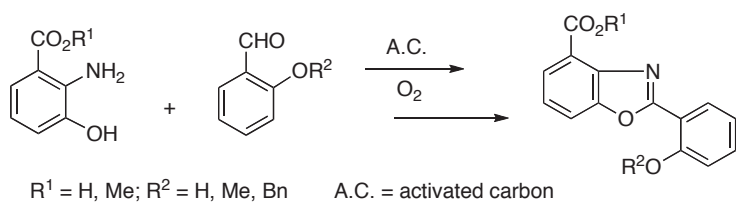
Jie Li, Can Jin, and Weike Su*



Microwave-Assisted Reaction Ytterbium Triflate Xanthone Thioxanthone Friedel-Crafts Reaction

867 Synthesis of Caboxamycin and Its Derivatives Using Eco-Friendly Oxidation

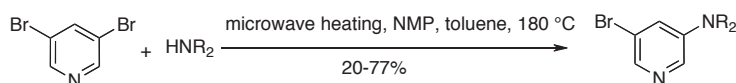
Yoshinobu Tagawa,* Hiroki Koba, Kazuhiro Tomoike, and Kunihiro Sumoto



Caboxamycin Activated Carbon Molecular Oxygen Benzoxazole Eco-Friendly Oxidation

875 A Facile and Efficient Synthesis of 3-Amino-5-bromopyridine Derivatives Using Microwave Irradiation

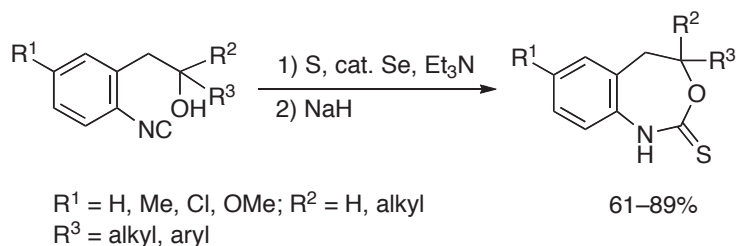
Reddeppa reddy Dandu,* Adam C. Rose, and Robert L. Hudkins



3,5-Dibromopyridine Pyrrolidine Microwave Heating 5-Bromo-3-(pyrrolidin-1-yl)pyridine

883 One-Pot Synthesis of 4,5-Dihydro-3,1-benzoxazepine-2(1*H*)-thiones from 2-(2-Isocyanophenyl)ethanols *via* the Corresponding Isothiocyanates

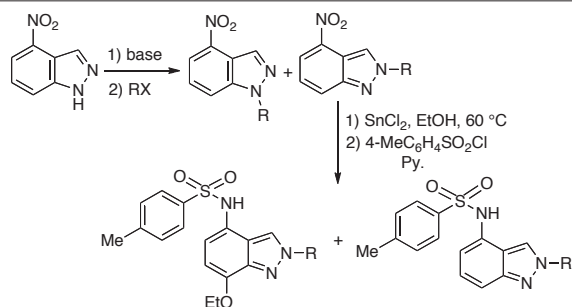
Shuhei Fukamachi, Hisatoshi Konishi, and Kazuhiro Kobayashi*



4,5-Dihydro-3,1-benzoxazepine-2(1*H*)-thione 2-(2-Isocyanophenyl)ethanol Isothiocyanate 2-(Lithiomethyl)phenyl Isocyanide Sulfur

891 Alkylation and Reduction of *N*-Alkyl-4-nitroindazoles with Anhydrous SnCl₂ in Ethanol: Synthesis of Novel 7-Ethoxy-*N*-alkylindazole Derivatives

Najat Abbassi, El Mostapha Rakib,* Abdellah Hannioui, Mdaghri Alaoui, Mohamed Benchidmi, El Mokhtar Essassi, and Dettlef Geffken



Nitroindazole Alkylation SnCl₂/ EtOH Sulfonamide *N*-Alkylnitroindazole

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 901 Polyketides
 - 905 Aromatics
 - 913 Terpenes
 - 925 Steroids
 - 928 Alkaloids
 - 933 Miscellaneous
-

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 935 Polyketides
 - 940 Aromatics
 - 942 Terpene
 - 943 Alkaloids
 - 950 Miscellaneous
-

Contributors To This Issue

- 891 Abbassi, Najat
 815 Abe, Takumi
 755 Abramov, Igor G.
 891 Alaoui, Mdaghri
 797 Andrei, Graciela
 797 Balzarini, Jan
 891 Benchidmi, Mohamed
 849 Cheenpracha, Sarot
 755 Chirkova, Zhanna V.
 743 Ciesielski, Michael
 875 Dandu, Reddeppa reddy
 695 Dolzhenko, Anton V.
 743 Döring, Manfred
 797 Dracinsky, Martin
 891 Essassi, El Mokhtar
 755 Filimonov, Sergey I.
 755 Firgang, Sergey I.
 883 Fukamachi, Shuhei
 891 Geffken, Detlef
 891 Hannioui, Abdellah
 827 Harusawa, Shinya
 815 Hatae, Noriyuki
 739 Hattori, Yasunao
 765 Heimgartner, Heinz
 789 Horino, Yoshikazu
 875 Hudkins, Robert L.
 827 Ichikawa, Hayato
 815 Ishikura, Minoru
 815 Iwamura, Tatsunori
 765 Jasinski, Marcin
 849 Jeerapong, Chotika
 855 Jin, Can
 867 Koba, Hiroki
 883 Kobayashi, Kazuhiro
 883 Konishi, Hisatoshi
 797 Krecmerova, Marcela
 849 Kruahong, Thongchai
 789 Kuroda, Shigeyasu
 849 Laphookhieo, Surat
 855 Li, Jie
 739 Makabe, Hidefumi
 849 Maneerat, Wisanu
 777 Maślankiewicz, Andrzej
 789 Matsumoto, Naoko
 789 Miyatake, Ryuta
 789 Miyawaki, Daisuke
 765 Młostoń, Grzegorz
 739 Mohri, Yoshihiro
 789 Oda, Mitsunori
 739 Oizumi, Yukiko
 797 Otmar, Miroslav
 849 Prawat, Uma
 891 Rakib, El Mostapha
 743 Rakotomalala, Muriel
 875 Rose, Adam C.
 765 Rygielska, Dorota
 837 Sato, Akihiro
 837 Shimada, Minami
 777 Skrzypek, Leszek
 797 Snoeck, Robert
 755 Stashina, Galina A.
 855 Su, Wei-ke
 837 Sugimoto, Osamu
 867 Sumoto, Kunihiro
 755 Suponitsky, Kyryll Yu.
 777 Suwińska, Kinga
 867 Tagawa, Yoshinobu
 789 Tamura, Naoko
 837 Tanji, Ken-ichi
 867 Tomoike, Kazuhiro
 827 Usami, Yoshihide
 743 Wagner, Sebastian
 743 Walter, Olaf
 815 Yamada, Koji
 815 Yamaguchi, Sayaka
 743 Zevaco, Thomas