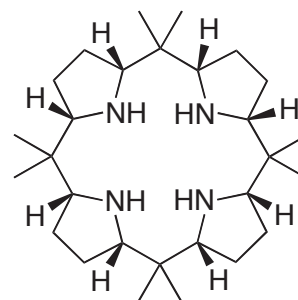


■ REVIEWS

749 **The Hydrogenation of Heterocyclic Calix[4]arenes, a Transformation Leading to Novel Macrocyclic Ligands**

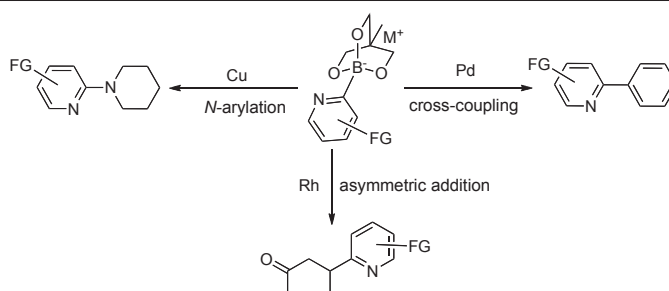
Guillaume Journot, Christopher R. Jones, Valeria Blangy, and Reinhard Neier*



Heterocyclic Calixarene Calixpyrrole Hydrogenation Heterogenous Catalysis Macrocyclic Ligand

799 **Cyclic Triolborate Salts: Novel Reagent for Organic Synthesis**

Yasunori Yamamoto*

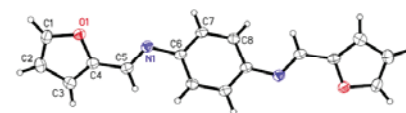
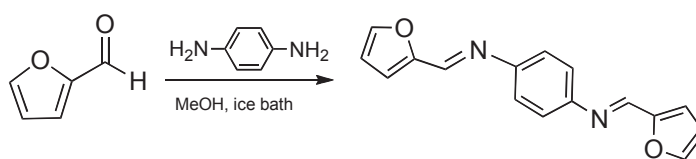


Cross-Coupling Copper-Catalyzed *N*-Arylation Asymmetric 1,4-Addition Asymmetric Addition to Imine Heteroaryltriolborate Salt

■ COMMUNICATION

821 **Synthesis, Structure, and Theoretical Calculations of a Furan-Based Molecular Wire, *N*-[4-(2-Furanylmethylene-amino)benzylidene]furan-2-amine**

Nathan C. Tice,* Jennifer R. Armstrong, Jeremy B. Maddox, Sarah A. Ward, Chad A. Snyder, and Jason O. E. Young

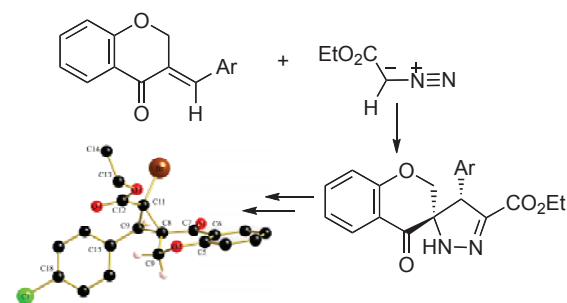


Furan Imine X-Ray Crystal Structure Molecular Wire Computational Data

■ PAPERS

835 1,3-Dipolar Cycloaddition of Ethyl Diazoacetate with (*E*)-3-Arylidenechroman-4-ones. A New Access to Spirocyclopropane Derivatives

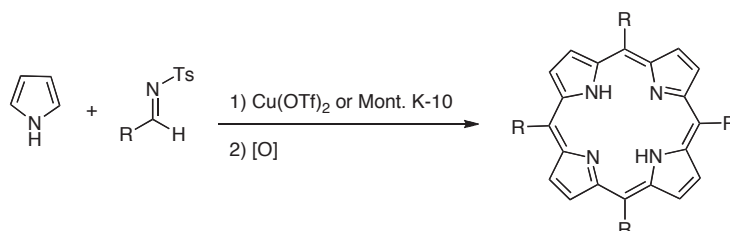
Nadia Wannassi, Hanene Jelizi, Mohamed El Baker Rammah, Kabula Ciamala,* Michael Knorr, Karin Monnier-Jobé, Yoann Rousselin, Marek M. Kubicki, and Carsten Strohmann



Spiro-Cyclopropane (*E*)-Arylidenechroman-4-one Ethyl Diazoacetate Cycloaddition Regioselective Reaction

851 Recoverable and Reusable Catalyst for the Reaction of *N*-Tosyl Imines with Pyrrole: Synthesis of *meso*-Tetraarylporphyrins

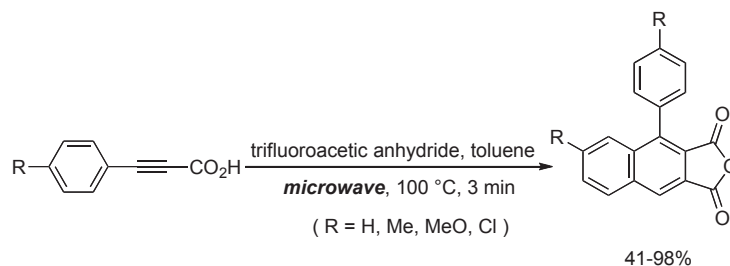
Baris Temelli* and Saadet Seyma Ozdemir



Porphyrin *N*-Tosyl Imine Metal Triflate Clay Lewis Acid

861 Microwave-Assisted Synthesis of Substituted Naphtho-[2,3-*c*]furan-1,3-dione Derivatives

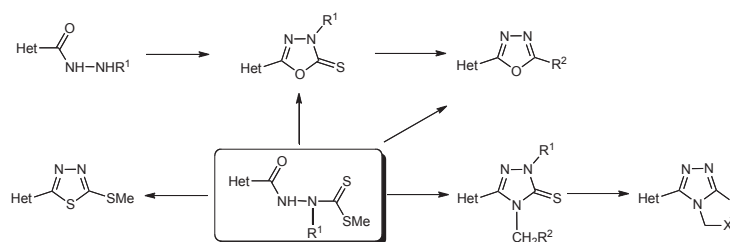
Tomikazu Kawano,* Yu Ishikawa, and Minoru Hatanaka



Naphtho[2,3-*c*]furan-1,3-dione Microwave-Assisted Synthesis Carboxylic Acid Self-Condensation Reaction Substituent Effect

871 Synthesis and Tuberculostatic Activity of Novel Diverse Heterocyclic Compounds Derived from Heterocyclic Carbohydrazides and Methyl 2-Heteroarylhydrazinecarbodithioates

Katarzyna Gobis,* Henryk Foks, Ewa Augustynowicz-Kopeć, and Agnieszka Napiórkowska

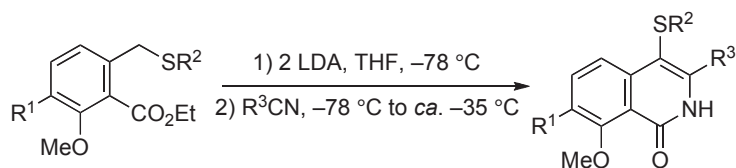


Methyl Hydrazinecarbodithioate 1,3,4-Oxadiazole 1,3,4-Thiadiazole 1,2,4-Triazole-5(4*H*)-thione 1,2,4-Triazolo[3,4-*b*][1,3]thiazine

■ SHORT PAPERS

887 Synthesis of 3-Substituted 4-Sulfanyl-8-methoxyisoquinolin-1(2*H*)-ones by the Reaction of Ethyl 2-[Lithio(sulfanyl)methyl]-6-methoxybenzoates with Aliphatic and Aromatic Nitriles

Kazuhiro Kobayashi,* Hiroo Hashimoto, and Kazuhiro Nakagawa

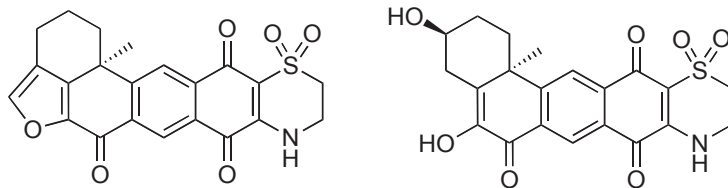

 $R^1 = \text{H, OMe}; R^2 = \text{alkyl, Ar}; R^3 = \text{alkyl, Ar}$

66–94%

 4-Sulfanylisquinolin-1(2*H*)-one 2-(Sulfanylmethyl)benzoate Nitrile Benzyl lithium LDA

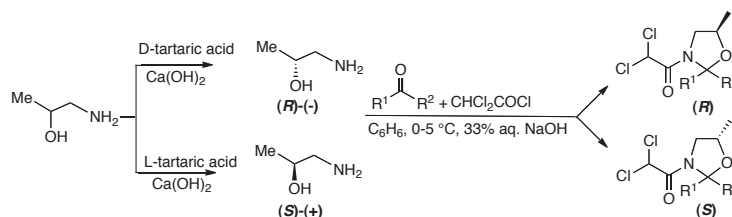
895 Halenaquinone Derivatives from Tropical Marine Sponge *Xestospongia* sp.

Yeon-Ju Lee, Chang-Kwon Kim, Song-Kyu Park, Jong Soon Kang, Jong Seok Lee, Hee Jae Shin, and Hyi-Seung Lee*


 Tropical Sponge *Xestospongia* sp. Xestosaprol Halenaquinone Cell Growth Inhibition

903 Synthesis and Crystal Structure of Novel Chiral *M*-Dichloroacetyl-2-substituted-5-methyl-1,3-oxazolidines

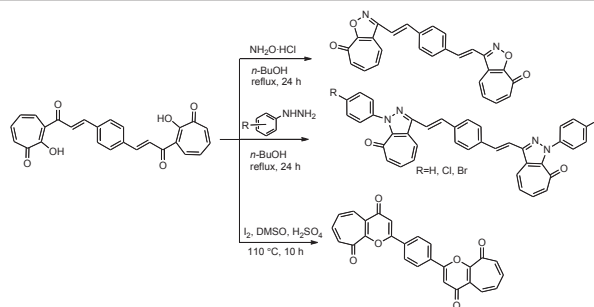
Shuang Gao, Ying Fu, Li-Xia Zhao, Zhi-Yong Xing, and Fei Ye*



Dichloroacetyloxazolidine Chiral Synthesis Amino Alcohol Herbicide Safener

911 Novel Synthesis of 1,4-Phenylene Bridged Bis-Heterocyclic Tropone Compounds

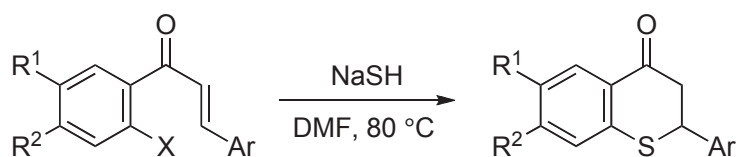
Yang Li, Feng Li, and Wentao Gao*



1,4-Phenylene Heterocycle Tropone Cyclization Claisen-Schmidt Condensation

919 A Facile Synthesis of 2-Arylthiochroman-4-ones by the Reaction of 3-Aryl-1-(2-halophenyl)prop-2-en-1-ones with Sodium Hydrosulfide

Kazuhiro Kobayashi,* Akihiro Kobayashi, and Miyuki Tanmatsu

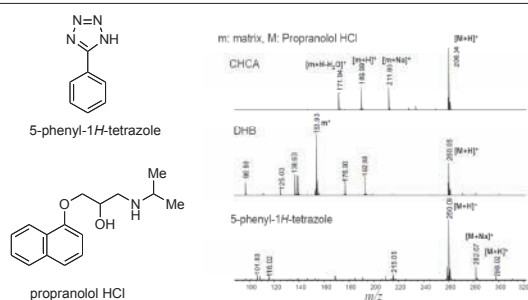

 $R^1 = \text{H, Cl, OMe}; R^2 = \text{H, OMe}; X = \text{Cl, Br}; \text{Ar} = \text{aryl, heteroaryl}$

66–89%

Thiochroman-4-one Thioflavanone Chalcone Sodium Hydrosulfide Intramolecular Conjugate Addition

927 New Type of Matrix for Analysis of Low Molecular Weight Compounds by MALDI-TOF MS

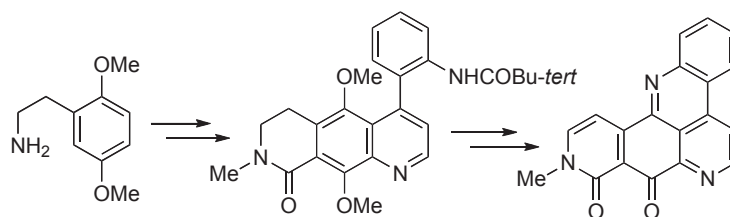
Masamichi Nakakoshi,* Natsumi Funakoshi, Hiroki Nakajima, and Masayoshi Tsubuki*



5-Aryl-1H-tetrazole MALDI-TOF MS Matrix Low Molecular Weight Compound Propranolol Hydrochloride

933 Synthesis of Neoamphimedine

Shinsuke Nakahara,* Yoshio Mukai, and Akinori Kubo



Bischler-Napieralski Cyclization Pyridoacridine Thermolysis Cross-Coupling

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 941 Polyketides
- 946 Aromatics
- 951 Terpenes
- 965 Alkaloids
- 973 Miscellaneous

**Contributors
To This Issue**

- 821 Armstrong, Jennifer R.
 871 Augustynowicz-Kopeć, Ewa
 749 Blangy, Valeria
 835 Ciamala, Kabula
 871 Foks, Henryk
 903 Fu, Ying
 927 Funakoshi, Natsumi
 903 Gao, Shuang
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 835 Knorr, Michael
 919 Kobayashi, Akihiro
 887, 919 Kobayashi, Kazuhiro
 835 Kubicki, Marek M.
 933 Kubo, Akinori
 895 Lee, Hyi-Seung
 895 Lee, Jong Seok
 895 Lee, Yeon-Ju
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 911 Li, Yang
 821 Maddox, Jeremy B.
 835 Monnier-Jobé, Karin
 933 Mukai, Yoshio
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 927 Nakakoshi, Masamichi
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 835 Rammah, Mohamed El Baker
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 835 Strohmman, Carsten
 919 Tanmatsu, Miyuki
 851 Temelli, Baris
 821 Tice, Nathan C.
 927 Tsubuki, Masayoshi
 835 Wannassi, Nadia
 821 Ward, Sarah A.
 903 Xing, Zhi-Yong
 799 Yamamoto, Yasunori
 903 Ye, Fei
 821 Young, Jason O. E.
 903 Zhao, Li-Xia