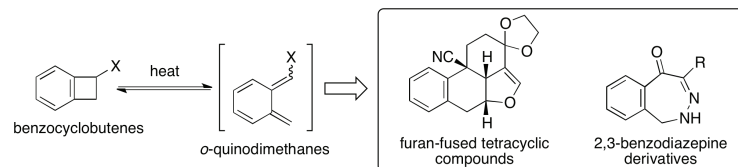


REVIEW

621 Recent Application of *ortho*-Quinodimethane Chemistry for Synthesis of Heterocyclic Compounds

Yuji Matsuya*

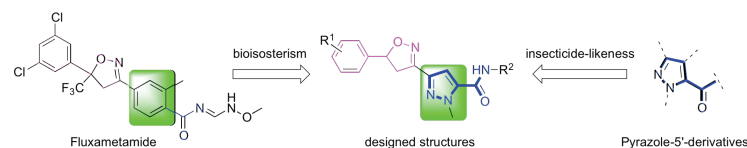


Benzocyclobutene o-Quinodimethane Electrocyclization Cycloaddition

PAPERS

637 Design, Synthesis and Insecticidal Activity of 1-Methyl-3-(5-aryl-4,5-dihydroisoxazol-3-yl)-1H-pyrazole-5-carboxamides

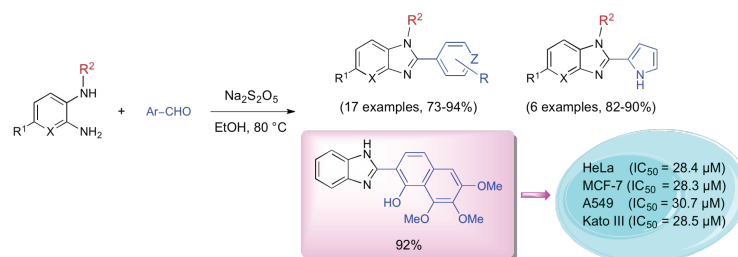
Liangkun Zhong, Fan Zhang, Tao Jiang, Xinghai Liu, Tianming Xu, Chengrong Ding, Jie Chen, Jing Yuan,* and Chengxia Tan*



Pyrazole-5-carboxamide Arylisoxazoline Synthesis Insecticidal Activity

650 Facile Sodium Metabisulfite Mediated Synthesis of 1,2-Disubstituted Benzimidazoles and Cytotoxicity Evaluation

Bui Thi Buu Hue,* Hien Minh Nguyen, Mai Van Hieu, Danh La Duc Thanh, Nguyen Hoang Son, Tran Quang De, and Hiroyuki Morita*

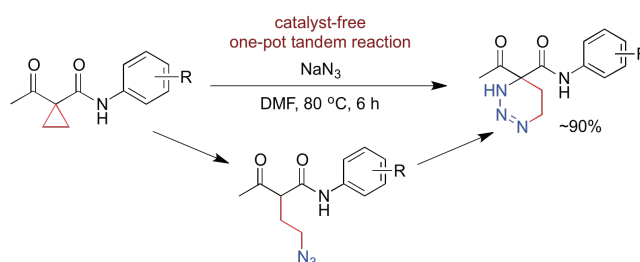


Benzimidazole Cytotoxicity Naphthalene Sodium Metabisulfite

■ SHORT PAPERS

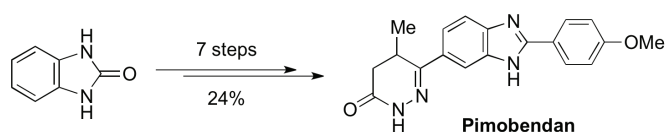
667 Catalyst-Free Tandem Reaction for the Synthesis of Tetrahydro-1,2,3-triazine Derivatives

Kewei Wang, Huijun Liu, Yong Guo, Gang Yi,* Zhifang Jia,* and Feng Feng


 [1,2,3]-Triazine Tandem Reaction Catalyst-Free Reaction Hexahydroxy *N*-Containing Heterocycle Cyclopropane Derivative

674 Practical Synthesis of Pimobendan

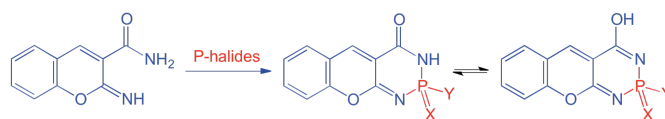
Ping Zou, Lin Hu, Xi-Meng Yan, Xiao-Yue Li, Wanguo Wei, Xiao-Long Qiu,* and Shao-Hua Gou*



Pimobendan Congestive Heart Failure Benzimidazole-Pyridazinone Derivative Friedel-Crafts Reaction Suzuki Coupling

681 Reaction of 2-Imino-2*H*-chromene-3-carboxamide with Phosphorus Halides: Synthesis of Some Novel Chromeno[2,3-*d*][1,3,2]diazaphosphinines and Chromeno[4,3-*c*][1,2]azaphosphole and Their Antioxidant and Cytotoxicity Properties

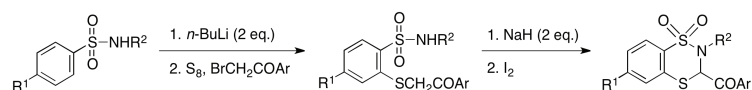
Tarik E. Ali,* Mohammed A. Assiri, Hafez M. El-Shaer, Ahmed M. Fouda, Mohamed M. Hassan, and Noha M. Hassanin



Chromene Phosphorus 1,3,2-Diazaphosphinine 1,2-Azaphosphole

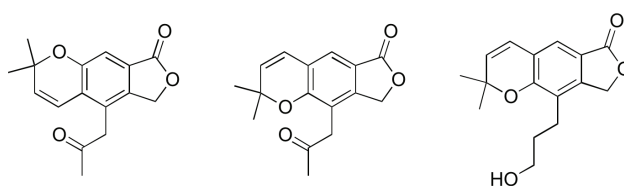
693 An Efficient Two-Step Synthesis of 3-Aroyl-2,3-dihydro-1,4,2-benzodithiazine 1,1-Dioxides from Secondary Benzenesulfonamides, Sulfur, and Phenacyl Bromides

Kazuhiro Kobayashi* and Daiki Fujiwara


 2,3-Dihydro-1,4,2-benzodithiazine 1,1-Dioxide 2,*N*-Dilithiobenzenesulfonamide Sulfur Phenacyl Bromide Oxidative Coupling

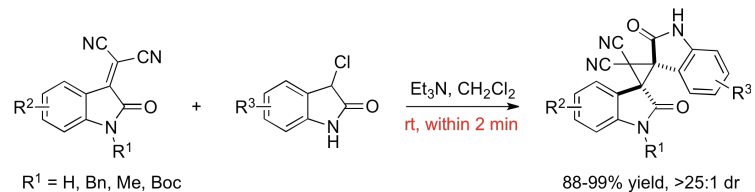
703 Isobenzofuranone Derivatives from the Roots of *Phlomis betonicoides* and Their Bioactivity

Mu-Yao Li, Ling-Min Liao, Qi-Yan Sun, Miao Dong, Min Zhou, Yan-Qing Ye, Yi-Jian Chen, Qiu-Fen Hu,* and Wei-Guang Wang*


 Isobenzofuranone *Phlomis betonicoides* Anti-MRSA Activity Antioxidant Activity

711 Ultrafast and Diastereoselective Synthesis of 3-Spirocyclopropyl-2-oxindoles Bearing Three Continuous All-Carbon Quaternary Centers

Aixin Geng, Hao Cui, Liyuan Zhang, Tao Lu,* and Yong Zhu*



3-Spirocyclopropyl-2-oxindole

Continuous All-Carbon Quaternary Center

Domino Michael–Alkylation Reaction

3-Chlorooxindole

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 723 Polyketides
- 725 Aromatics
- 728 Terpenes
- 732 Alkaloids
- 740 Miscellaneous

■ BRUSH UP YOUR HETEROCYCLES

- 743 Brush Up Your Heterocycles

Contributors To This Issue

681 Ali, Tarik E.
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