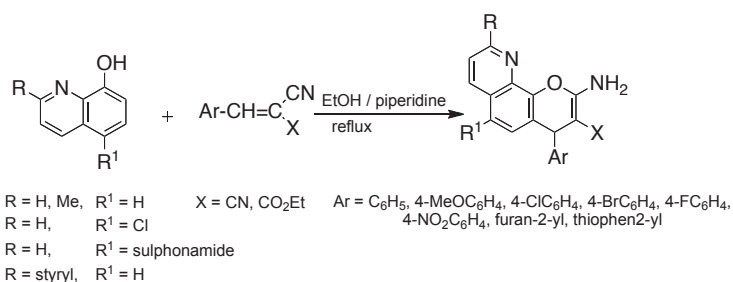


REVIEW

1557 The Reactivity of 8-Hydroxyquinoline and Its Derivatives Toward α -Cyanocinnamitriles and Ethyl α -Cyanocinnamates: Synthesis, Reactions, and Applications of 4*H*-Pyrano[3,2-*f*]quinoline Derivatives

Ahmed M. El-Agrody* and Tarek H. Afifi

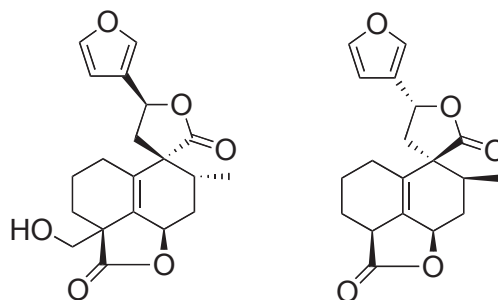


8-Hydroxyquinoline 8-Hydroxyquinoline Derivative 2-Amino-4*H*-pyrano[3,2-*f*]quinoline Derivative

PAPERS

1585 Two New Clerodane Diterpenoids from *Croton crassifolius*

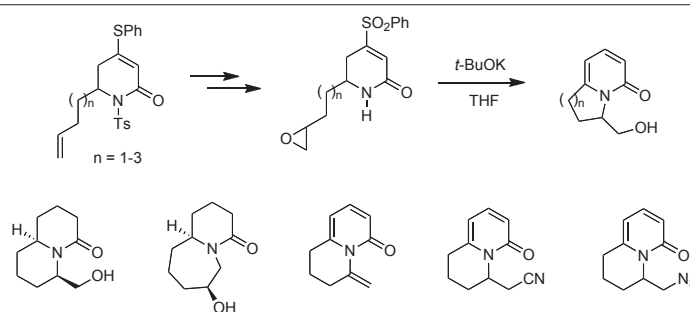
Wei-Huan Huang, Guo-Qiang Li, Jia-Gui Li, Xia Wu, Wei Ge, Hau Yin Chung, Wen-Cai Ye, Yao-Lan Li,* and Guo-Cai Wang*



Croton crassifolius Clerodane Diterpenoid Anti-Angiogenic

1594 Synthesis and Reactions of 2-Pyrido-Fused Bicyclic Compounds

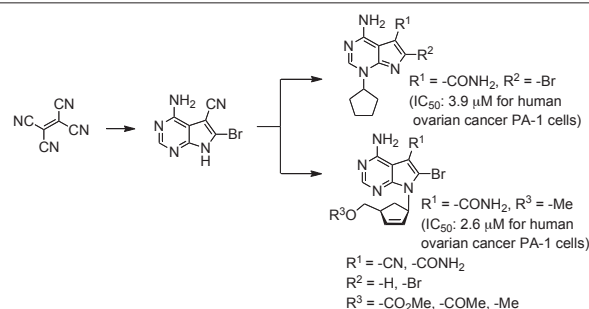
Shang-Shing P. Chou* and Yi-Ting Wu



Aza-Diels-Alder Reaction 2-Pyrido-Fused Bicyclic Compound Epoxy Sulfone

1606 The Synthesis and Evaluation of New Carbocyclic Pyrrolo[2,3-*d*]pyrimidine Nucleoside Analogs

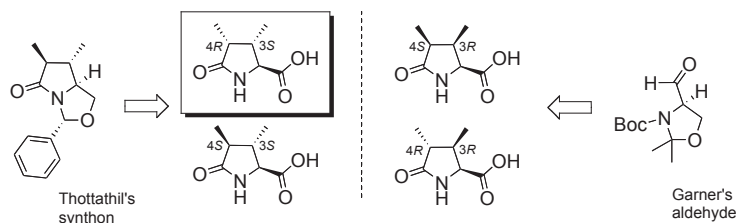
Jongbok Lee, Hyewon Seo, Sangeun Yoon, Kwoon Choi, Chul-Hoon Lee,* and Hakjune Rhee*



Carbocyclic Nucleoside Pyrrolo[2,3-*d*]pyrimidine Pd(0)-Catalyzed Coupling Reaction Antiproliferative Activity

1620 Stereochemical Assignment of Four Diastereoisomers of 3,4-Dimethylpyroglutamic Acid, a Moiety of Callipeltin B

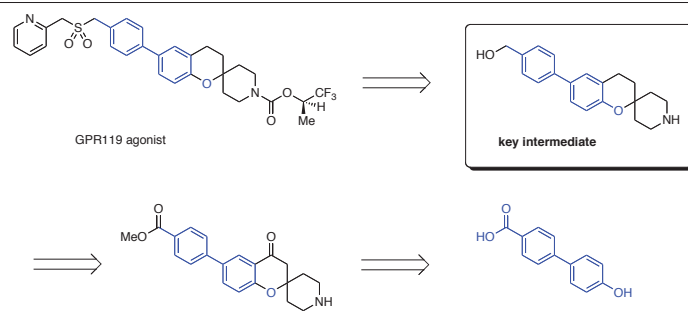
Mari Kikuchi and Hiroyuki Konno*



Callipeltin Cytotoxicity 3,4-Dimethylpyroglutamic Acid Stereoisomer Unusual Amino Acid

1632 A Practical Synthesis of (4-(Spiro[chromane-2,4'-piperidin]-6-yl)phenyl)methanol as a Key Intermediate of Novel GPR119 Agonist

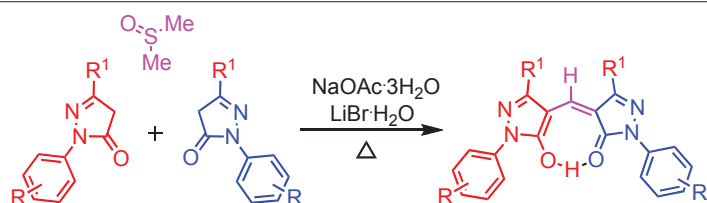
Tomoaki Koshizawa, Hayato Hosoi, Gen Watanabe, Toshiharu Morimoto, Tadaaki Ohgiya, and Kimiyuki Shibuya*



GPR119 Agonist Spirochromane Derivative Biphenyl Derivative Friedel-Crafts Acylation Reaction Reduction

SHORT PAPERS
1645 The Synthesis of Dipyrzolylmethanes, X-Ray Structure Analysis

Yuan Ma, Jinxia Wang, and Hengchang Ma*


 R¹ = Me, Ph, *n*-Pr, *i*-Pr

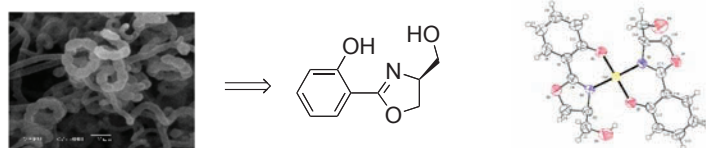
R = H, 4-MeO, 3-Me, 3-Cl, 3-Br, 2,4-di-Me

19 examples, 42-94%

Pyrazolone DMSO Swern Oxidation Structural Characterization

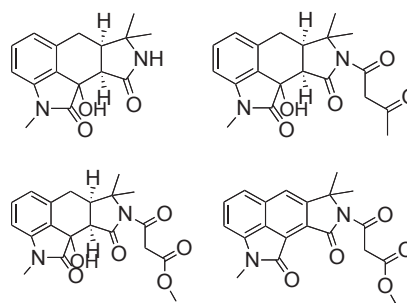
1656 A New Dihydrooxazole Antibiotic from the Fermentation Broth of *Streptomyces djakartensis*

Ji-Wen Zhang, Wen-Juan Zhang, Shao-Peng Wei, and Wen-Jun Wu*


 Antibacterial Activity Dihydrooxazole Antibiotic *Streptomyces djakartensis*

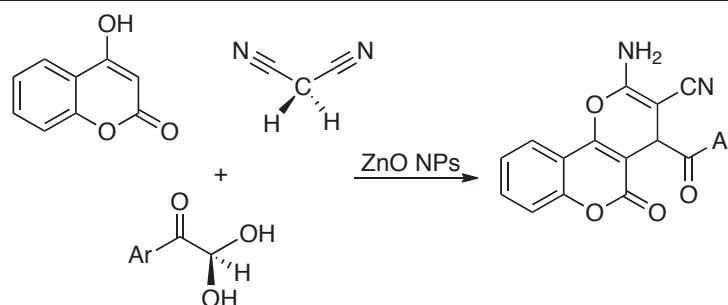
1662 Speradines B-E, Four Novel Tetracyclic Oxindole Alkaloids from the Marine-Derived Fungus *Aspergillus oryzae*

Xiao Hu, Qi-Wen Xia, Yang-Yang Zhao, Qiu-Hong Zheng, Qin-Ying Liu, Li Chen,* and Qi-Qing Zhang*


 Marine-Derived Fungus *Aspergillus oryzae* Cytotoxicity Metabolite

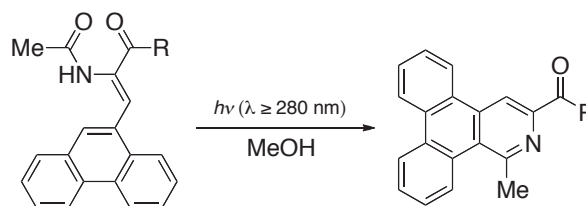
1670 One-pot Synthesis of Novel Pyrano-Fused Coumarins Catalyzed by Zinc Oxide Nanoparticles

Saeed Khodabakhshi,* Bahador Karami, and Khalil Eskandari


 Pyrano[2,3-*c*]coumarin Arylglyoxal ZnO Nanoparticle (NPs)

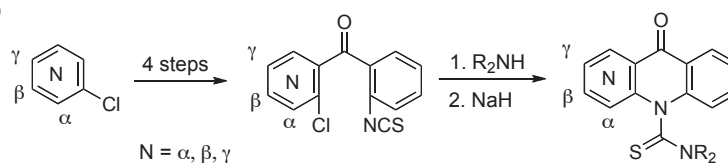
1678 Selective Photocyclization Reactions of (Z)-*N*-Acetyl- α -dehydro(9-phenanthryl)alanine Alkyl Esters and *N,N'*-Dialkylamides to Dibenzo[*f,h*]isoquinoline Derivatives

Yuto Iijima, Tetsutaro Igarashi, and Tadimitsu Sakurai*


 photoreactivity: R = OBU-*t* > R = OMe >>
 R = NC₅H₁₀ > R = NMe₂
N-Acetyl- α -dehydroamino Acid Photocyclization Reaction Dibenzo[*f,h*]isoquinoline Derivative Photochemical Reactivity

1687 Synthesis of *N,N*-Dialkyl-5(or 10)-oxobenzo[*h*][1,8 or 1,7 (or 1,6)]naphthyridine-10(5*H*)(or 5(10*H*))-carbothioamides Based on the Reaction of the Respective (Chloropyridinyl) (2-isothiocyanatophenyl)methanones with Secondary Amines

Kazuhiro Kobayashi,* Kazuhiro Nakagawa, and Hiroki Inouchi


 Benzo[*h*][1,8 or 1,7(or 1,6)]naphthyridin-5(10*H*)-one Carbothioamide Chloropyridine

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 1697 Polyketides
 - 1703 Aromatics
 - 1715 Terpenes
 - 1731 Steroids
 - 1734 Alkaloids
 - 1744 Miscellaneous
-

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 1749 Polyketides
 - 1752 Aromatics
 - 1755 Terpenes
 - 1756 Alkaloids
 - 1766 Miscellaneous
-

Contributors To This Issue

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1678 Sakurai, Tadimitsu
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1656 Wu, Wen-Jun
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1594 Wu, Yi-Ting
1662 Xia, Qi-Wen
1585 Ye, Wen-Cai
1606 Yoon, Sangeun
1656 Zhang, Ji-Wen
1662 Zhang, Qi-Qing
1656 Zhang, Wen-Juan
1662 Zhao, Yang-Yang
1662 Zheng, Qiu-Hong