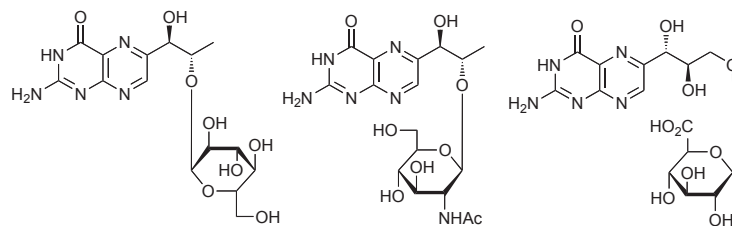


■ REVIEWS

2375 **Synthetic Studies on Natural Pterin Glycosides**

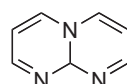
Tadashi Hanaya* and Hiroshi Yamamoto



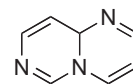
Pterin Glycoside Pteridine Glycosylation Biopterin Protecting Group

2391 **Biological Evaluation of Pyrimidopyrimidines as Multi-Targeted Small Molecule Inhibitors and Resistance Modifying Agents**

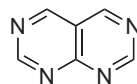
Reda Abdel-Rahman and Kamelia El-mahdy*



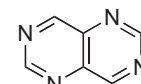
pyrimido[1,2-*a*]pyrimidine



pyrimido[1,6-*a*]pyrimidine



pyrimido[4,5-*d*]pyrimidine



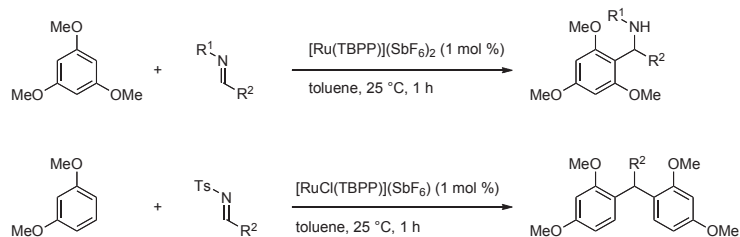
pyrimido[5,4-*d*]pyrimidine

Pyrimidopyrimidine Biocidal Property Inhibitor Resistance Modifying Agent

■ COMMUNICATION

2415 **Ruthenium Porphyrin Catalyzed Friedel–Crafts Type Reaction of Arenes with Imines**

Takuma Terada, Takuya Kurahashi,* and Seiji Matsubara*

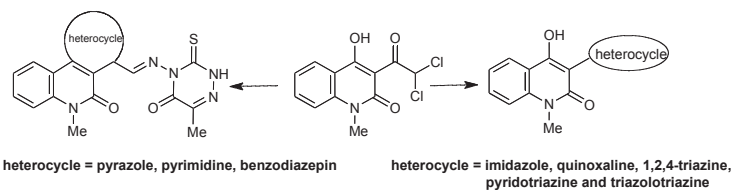


Porphyrin Ruthenium

■ PAPERS

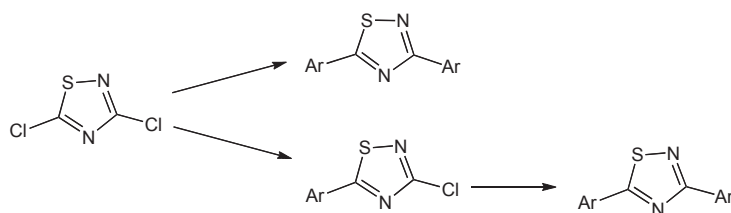
2421 Novel Heterocyclic Derivatives of 2-Quinolinone Associated with Antibacterial and Antitumor Potencies

Hany M. Hassanin* and Somaya M. El-edfawy


 Quinolinone 1,2,4-Triazine Heterocyclization Reaction α -Iminone Antitumor Activity

2437 Suzuki-Miyaura Coupling Reactions of 3,5-Dichloro-1,2,4-thiadiazole

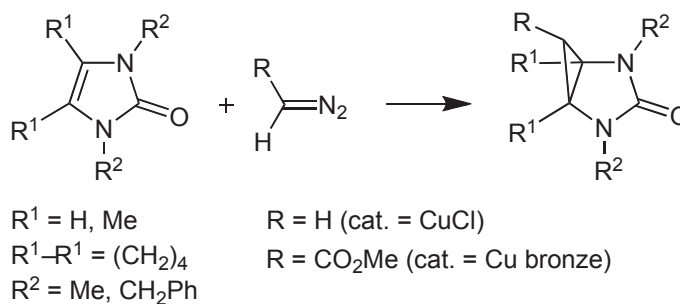
Abdelbasset A. Farahat and David W. Boykin*



Suzuki-Miyaura Coupling 1,2,4-Thiadiazole Regioselectivity Crystal Structure

2449 Synthesis, Reactions, and Rearrangements of 2,4-Diazabicyclo[3.1.0]hexan-3-ones

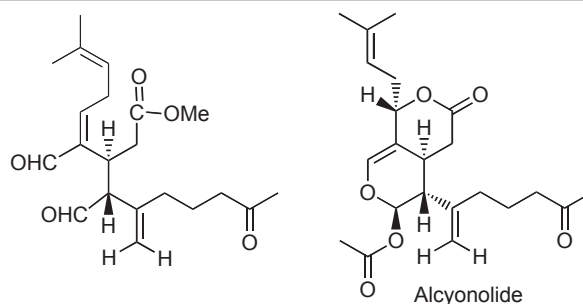
Helmut Quast,* Josef Walter Stawitz, and Bodo Mueller



Cyclopropanation Dihydroimidazolone Diazabicyclo[3.1.0]hexanone Ring Cleavage

2465 Cytotoxic Alcyonolide Congeners from an Okinawan Soft Coral *Cespitularia* sp.

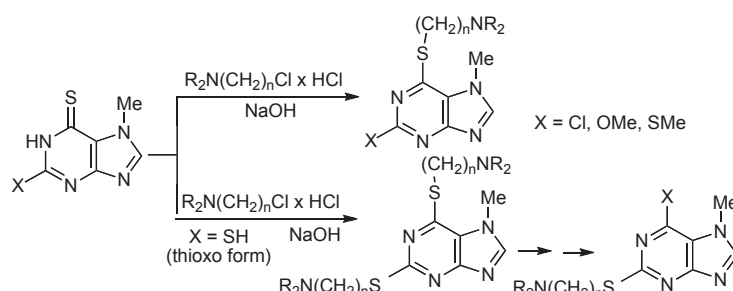
Prodip Kumar Roy, Wilmar Maarisit, Sona Rani Roy, Junsei Taira, and Katsuhiko Ueda*



Diterpene Cytotoxic NMR Soft Coral HPLC

2473 Synthesis of 2- and 6-(Dialkylaminoalkylthio)- and 2,6-Bis(dialkylaminoalkylthio)-7-methylpurines

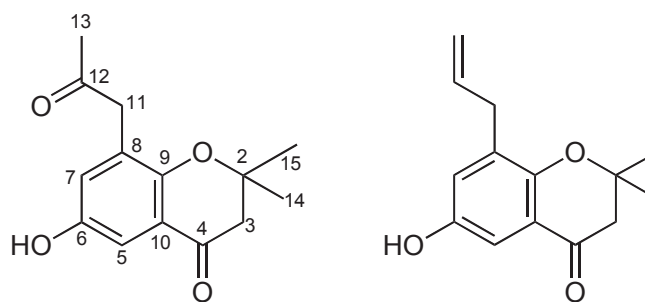
Alicja Kowalska* and Krystian Pluta



Dialkylaminoalkylthiopurine Di(dialkylaminoalkylthio)purine S-Dialkylaminoalkylation Alkoxy De-aminoalkylthiation Dithiopurine

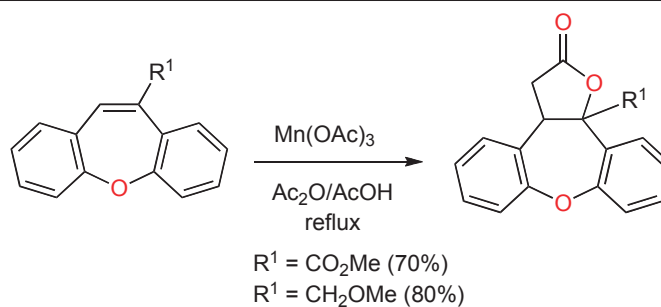
2485 Two New Chromanone Derivatives from the Roots and Stems of *Nicotiana tabacum* and Their Cytotoxicity

Dingrong Mou, Wei Zhao, Tao Zhang, Lan Wan, Guangyu Yang, Yongkuan Chen, Qiufen Hu,* and Mingming Miao*


 Chromone Derivative *Nicotiana tabacum* Isolation Cytotoxicity

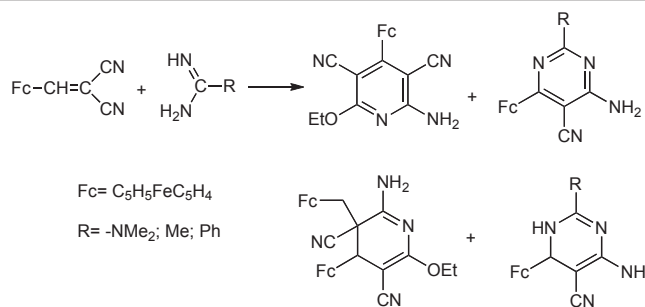
2491 Synthesis of Dihydrodibenzo[*b,f*]furo[2,3-*d*]oxepins and Related Reactions

Yasunobu Maemura, Yuka Tanoue, and Hiroshi Nishino*


 Dibenz[*b,f*]oxepin Oxidative Addition Lactonization Dihydrofuranation Thioxanthene

SHORT PAPERS
2505 Competitive Condensation and Tandem Cyclization Reactions of 2-Cyano-3-ferrocenylacrylonitrile with Amidines in an Aqueous Medium

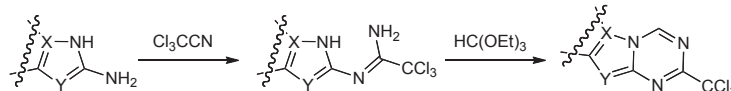
Elena I. Klimova,* Marcos Flores-Alamo, José M. Méndez Stivalet, and Tatiana Klimova



Ferrocene 2-Cyano-3-ferrocenylacrylonitrile Ferrocenyl(pyridine)dicarbonitrile Ferrocenyl(pyrimidine)carbonitrile Cyclodimerization

2515 Synthesis of Novel Trichloromethyl Substituted Azolo[1,3,5]triazines

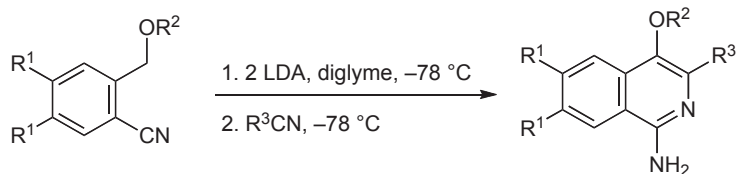
Dmitrii V. Kalinin, Svetlana A. Kalinina, and Anton V. Dolzhenko*



Triazine Triazole Pyrazole Benzimidazole Tautomerism

2523 Synthesis of 3-Substituted 4-Alkoxyisoquinolin-1-amines by the Reaction of 2-[Alkoxy(lithio)methyl]benzonitriles with Nitriles

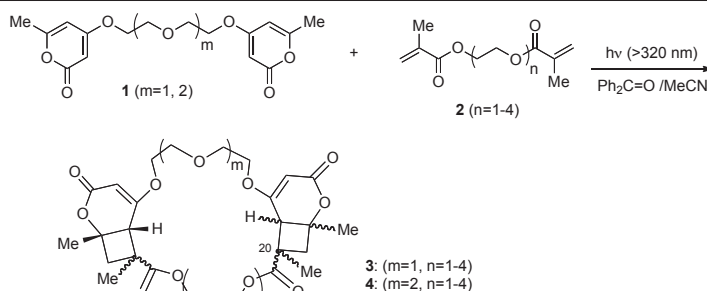
Kazuhiro Kobayashi,* Kota Matsumoto, and Kosuke Ezaki


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

Isoquinolin-1-amine 2-[Alkoxy(lithio)methyl]benzonitrile LDA Benzyl Anion Nitrile

2531 One-Pot Synthesis of Macrocyclic Tetralactones via the Sequential Inter- and Intramolecular [2+2] Photocycloaddition Reactions of Di-2-pyrones with Polyethylene Glycol Dimethacrylates

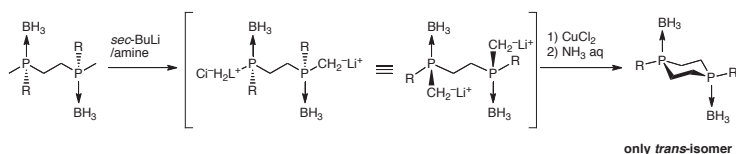
Tetsuro Shimo,* Hideki Matsukubo, and Hui Min Zhang



Di-2-pyrone Polyethylene Glycol Dimethacrylate Macrocyclic Lactone Photocycloaddition MO Analysis

2543 Stereospecific Synthesis of *trans*-1,4-Diphosphacyclohexanes

Yasuhiro Morisaki,* Hiroaki Imoto, Ryosuke Kato, Yuko Ouchi, and Yoshiki Chujo*


 Stereospecific Synthesis Diphosphacyclohexane *P*-Stereogenic Phosphine

NEW HETEROCYCLIC NATURAL PRODUCTS

- 2551 Polyketides
- 2553 Aromatics
- 2561 Terpenes
- 2579 Steroids
- 2583 Alkaloids
- 2591 Miscellaneous

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2595 Polyketides
 - 2599 Aromatics
 - 2602 Terpenes
 - 2604 Steroids
 - 2605 Alkaloids
 - 2613 Miscellaneous
-

■ ADDITIONS AND CORRECTIONS

- 2615 **Errata “Cytotoxic Eunicellin-Type Diterpenes from the Soft Coral *Liophyton viscudium*”: HETEROCYCLES, 2011, 83, 2149**

Tetsuo Iwagawa,* Daiki Kusatsu, Keiko Tsuha, Toshiyuki Hamada, Hiroaki Okamura, Tatsuhiko Furukawa, Shin-ichi Akiyama, Matsumi Doe, Yoshiki Morimoto, Fumihito Iwase, and Kaoru Takemura

- 2616 **Errata “A New Series of Bisbenzimidazole Derivatives: Synthesis, Antitumor Activity and Low Toxicity on PBMC”: HETEROCYCLES, 2012, 85, 2231**

Xiu-Jun Wang, Qing-He Wang,* Chao Liu, Wei Li, Jian Wang, Na Yang, and Mao-Sheng Cheng*
