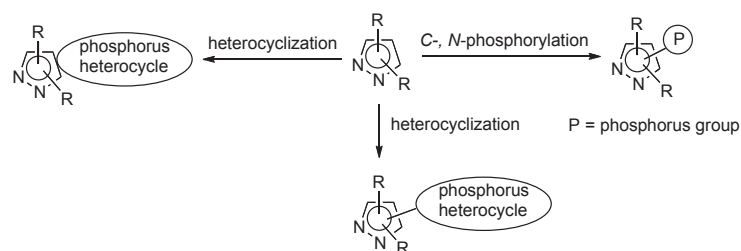


■ REVIEWS

2073 **Synthetic Methods for Phosphorus Compounds Containing Pyrazole Rings**

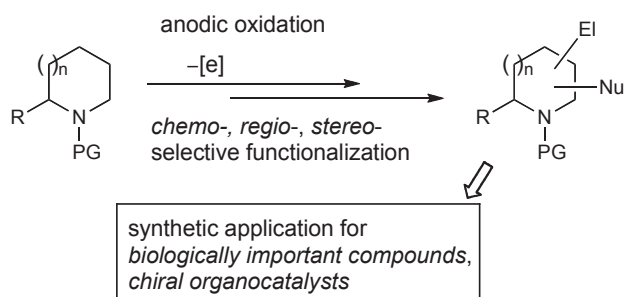
Tarik E. Ali* and Somaia M. Abdel-Kariem



Pyrazole Phosphorylation Phosphonopyrazole Phosphorus Heterocycle

2111 **Anodic Selective Functionalization of Cyclic Amine Derivatives**

Osamu Onomura*

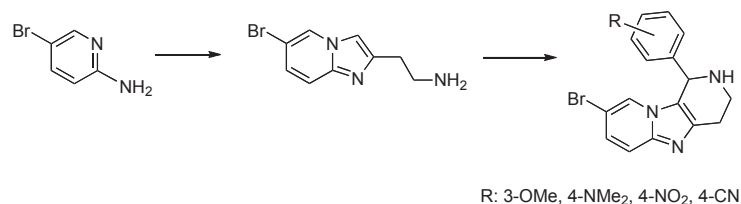


Anodic Oxidation Cyclic Amine Selective Functionalization Diastereoselective Reaction Enantioselective Reaction

■ PAPERS

2135 **Methodology to Access Tetrahydrodipyrdoimidazole Derivatives**

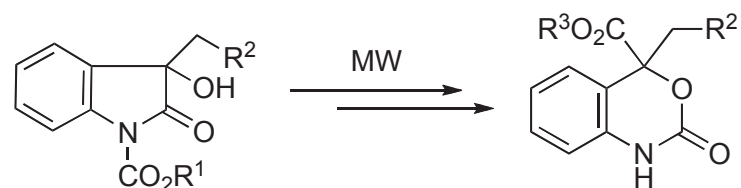
Mohamed El Bousmaqui, Marion Donnier-Marechal, Paul-Emmanuel Larchanche, Patricia Melnyk, and Pascal Carato*



Imidazopyridine Tetrahydrodipyrdoimidazole Pictet-Spengler Reaction Bischler-Napieralski Reaction

2147 **Microwave-Assisted Synthesis of 3,1-Benzoxazin-2-ones from 3-Hydroxyoxindoles**

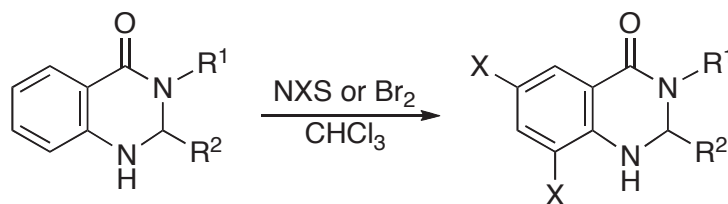
Oscar R. Suárez-Castillo,* Claudia I. Bautista-Hernández, Maricruz Sánchez-Zavala, Myriam Meléndez-Rodríguez, Araceli Sierra-Zenteno, Martha S. Morales-Ríos, and Pedro Joseph-Nathan



3,1-Benzoxazinone 3-Hydroxyoxindole Phenylsuccinate Microwave Phenylpropionate

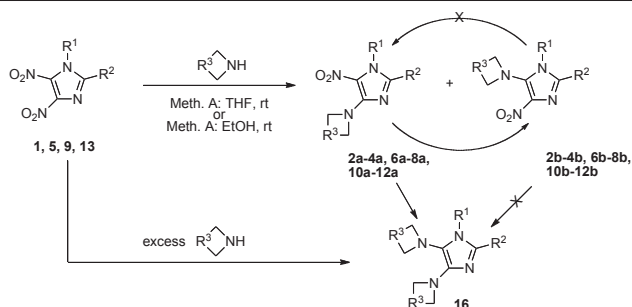
2173 Direct Halogenation Reactions in 2,3-Dihydro-4(1*H*)-quinazolinones

Fanny A. Cabrera-Rivera, Claudia Ortiz-Nava, Perla Román-Bravo, Marco A. Leyva, and Jaime Escalante*


 Direct Halogenation 2,3-Dihydro-4(1*H*)-quinazolinone X-Ray NBS NCS

2197 Regioselective Nitro Group Substitution. Synthesis of Isomeric 4-Amino-5-nitro- and 5-Amino-4-nitroimidazoles

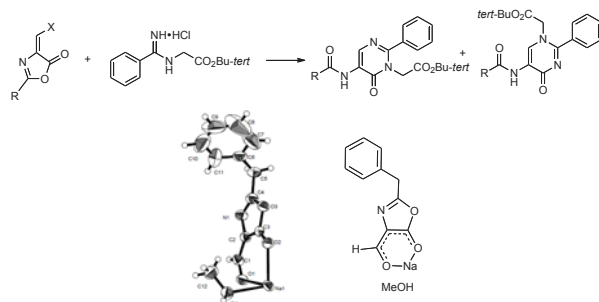
Lucjusz Zaprutko,* Justyna Żwawiak, Dorota Olender, and Andrzej Gzella



Nitroimidazole Aminonitroimidazole Isomerization Nucleophilic Substitution

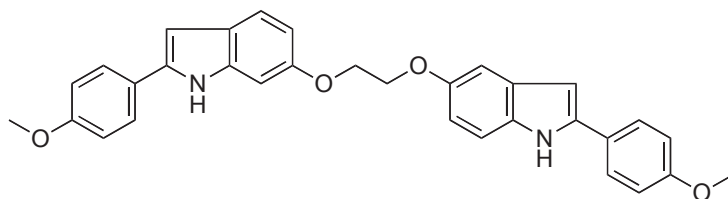
2213 An Improved Synthesis of 5-Acylamino-6-oxo-2-phenyl-1(6*H*)-pyrimidineacetic Acid from Glycine with Readily Removable Protecting Groups

Daisuke Takahashi,* Tatsumi Kashiwagi, Hiromi Onoye, Robert M. Williams, and Kunisuke Izawa*


 2-Alkyl-4-alkoxy- and 2-Alkyl-4-hydroxymethylene-5(4*H*)-oxazolones 5-Amino-6-oxo-2-phenyl-1(6*H*)-pyrimidineacetic Acid Cyclization Pyrimidinone

2231 A New Series of Bisbenzimidazole Derivatives: Synthesis, Antitumor Activity and Low Toxicity on PBMC

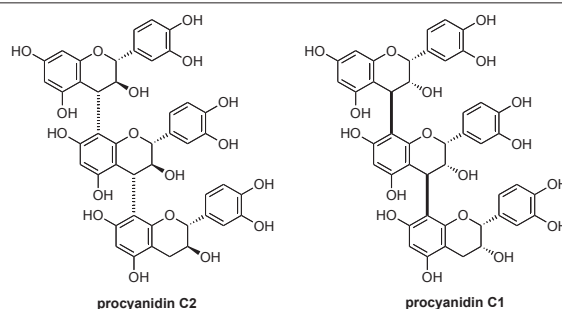
Xiu-Jun Wang, Qing-He Wang,* Chao Liu, Wei Li, Jian Wang, Na Yang, and Mao-Sheng Cheng*



Bisbenzimidazole Synthesis Antitumor Activity PBMC

2241 Synthesis of Procyanidins C2 and C1 Using Lewis Acid Mediated Equimolar Condensation

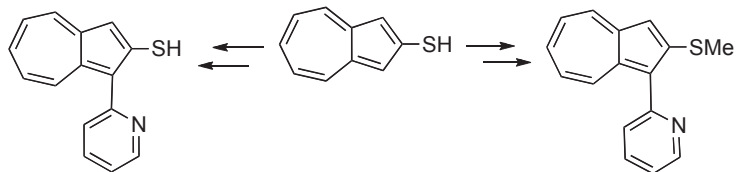
Yukiko Oizumi, Miyuki Katoh, Yasunao Hattori, Kazuya Toda, Koichiro Kawaguchi, Hiroshi Fujii, and Hidefumi Makabe*



Polyphenol Procyanidin Equimolar Condensation Lewis Acid

2251 Sulfur-Containing Pyridylazulenes: Synthesis and Chromogenic Behaviors for Heavy Metal Ions

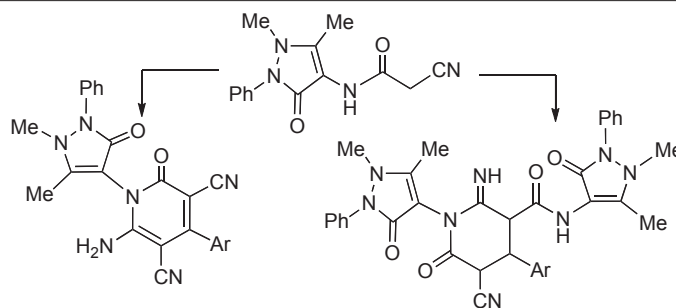
Shigeharu Wakabayashi,* Rina Yamaoka, Emi Matsumoto, Mitsue Nishiguchi, Miki Ishiura, Misaki Tsuji, and Makoto Shimizu



Pyridylazulene Color Selectivity Sensitivity Mercury(II) Ion

SHORT PAPERS
2259 A Facile and Convenient Synthesis of Novel Pyridine Derivatives Incorporating Antipyrine Moiety and Investigation of Their Antimicrobial Activities

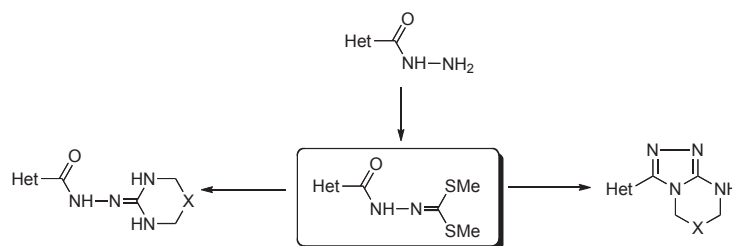
Nabila A. Kheder, Sayed M. Riyadh,* and Ahlam M. Asiry



Cyanoacetamide Antipyrine Pyridine Antimicrobial Activity Micheal Addition

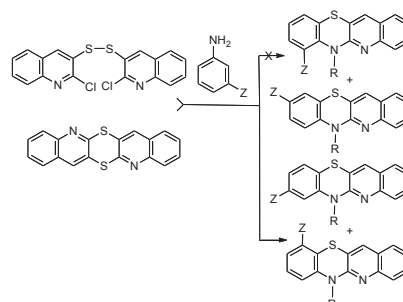
2269 Synthesis, Characterization, and Tuberculostatic Activity of Novel Heterocyclic Compounds Derived from Dimethyl Heteroarylcarbonohydranonodithioates

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


 Carbonohydranonodithioate *N*-(Cycloalkyldiamin-2-ylidene)heteroarylhydrazide 5,6,7,8-Tetrahydro[1,2,4]triazolo[4,3-*a*]pyrimidine

2281 The Structures of 8- and 10-Trifluoromethylquino[3,2-*b*]-benzo[1,4]thiazines and Their Benzyl Derivatives

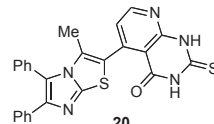
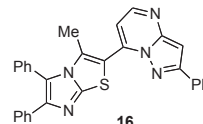
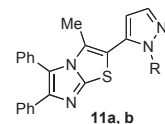
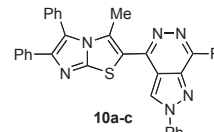
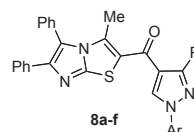
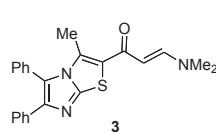
Małgorzata Jeleń, Kinga Suwińska, Céline Besnard, Krystian Pluta,* and Beata Morak-Młodawska



Quinobenzo-1,4-thiazine X-Ray Analysis Thiazine Ring Formation Diquinodithiin 2,2'-Dichloro-3,3'-diquinoliny Disulfide

2291 Enaminones as Building Blocks in Heterocyclic Preparations: Synthesis of Novel Pyrazoles, Pyrazolo[3,4-*d*]pyridazines, Pyrazolo[1,5-*d*]pyrimidines, Pyrido[2,3-*d*]pyrimidines Linked to Imidazo[2,1-*b*]thiazole System

Sobhi M. Gomha* and Hatem A. Abdel-Aziz



Pyrazole Imidazo[2,1-*b*]thiazole Pyrazolo[3,4-*d*]pyridazine Nitrilimine 1,3-Dipolar Cycloaddition

■ NEW HETEROCYCLIC NATURAL PRODUCTS

- 2305 Polyketides
- 2310 Aromatics
- 2324 Terpenes
- 2343 Alkaloids
- 2349 Miscellaneous

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 2351 Polyketides
- 2355 Aromatics
- 2359 Terpenes
- 2362 Alkaloids
- 2374 Miscellaneous

**Contributors
To This Issue**

- 2291 Abdel-Aziz, Hatem A.
2073 Abdel-Kariem, Somaia M.
2073 Ali, Tarik E.
2259 Asiry, Ahlam M.
2269 Augustynowicz-Kopeć, Ewa
2147 Bautista-Hernández, Claudia I.
2281 Besnard, Céline
2173 Cabrera-Rivera, Fanny A.
2135 Carato, Pascal
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2147 Joseph-Nathan, Pedro
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2251 Matsumoto, Emi
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2251 Nishiguchi, Mitsue
2241 Oizumi, Yukiko
2197 Olender, Dorota
2111 Onomura, Osamu
2213 Onoye, Hiromi
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2259 Riyadh, Sayed M.
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2251 Tsuji, Misaki
2251 Wakabayashi, Shigeharu
2231 Wang, Jian
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2213 Williams, Robert M.
2251 Yamaoka, Rina
2231 Yang, Na
2197 Zaprutko, Lucjusz
2197 Żwawiak, Justyna