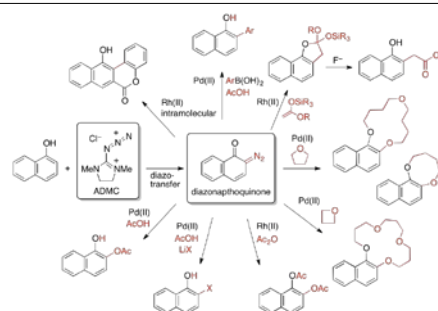


■ REVIEW

1761 **Diazonaphthoquinones: Synthesis, Reactions and Applications**

Dina I. A. Othman and Mitsuru Kitamura\*

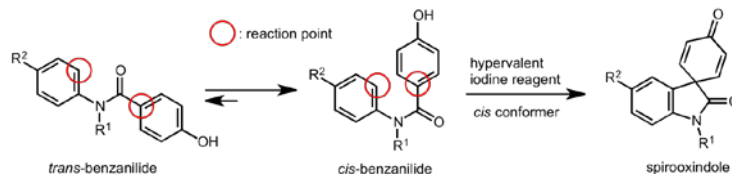


Carbene Reaction    Diazonaphthoquinone    Diazo-Transfer Reaction    ADMC

■ COMMUNICATIONS

1785 **Oxidative Dearomatic Cyclization of *N*-Substituted Benzanilide Derivatives: Conformational Effect of Amide Groups on the Reaction**

Kousuke Hayashi, Jun Takayama,\* Yousuke Shimano, Meiyun Xuan, Misaki Suda, Hiroyuki Teramae, and Takeshi Sakamoto\*



Spirooxindole    Oxidative Dearomatization    *cis-trans* Conformation    Benzanilide    Hamiltonian Algorithm

1796 **Synthesis of Nitriles from Aldehydes with Trimethylphenylammonium Tribromide and Ammonium Acetate**

Shinsei Sayama\*



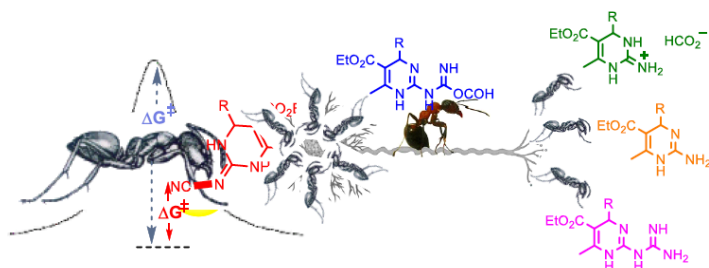
R= aromatic and heterocyclic  
PTAB: trimethylphenylammonium tribromide  
(phenyltrimethylammonium tribromide)

Aldehyde-to-Nitrile    Trimethylphenylammonium Tribromide    Ammonium Acetate    One-Pot Reaction

■ PAPERS

**1803 Exploring the Synthesis of Deceptively Simple Biginelli Products through *N*-CN Bond Cleavage**

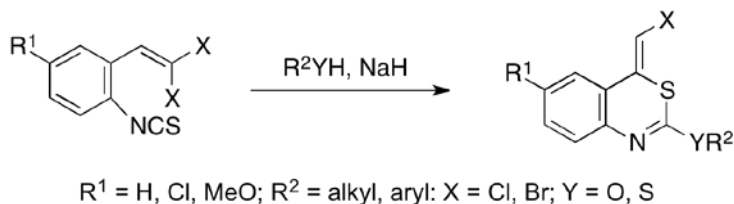
Juan Jesús Nolasco Fidencio, Hulme Ríos-Guerra,\*  
Gilberto González-Villanueva,  
José Guillermo Penieres-Carrillo, Gustavo Guevara Balcázar,  
Ma. Inés Nicolás-Vázquez, and Francisco Delgado



Biginelli Product    2-Cyanoimino-3,4-dihydro-(1*H*)-pyrimidine    Brønsted-Lowry Acid    *N*-CN Bond Cleavage

**1810 Synthesis of 2-Alk(or Aryl)oxy- and 2-(Alkyl(or Aryl)-sulfanyl)-4*H*-3,1-benzothiazine Derivatives Carrying a (*Z*)-Halomethylidene Substituent at the 4-Position**

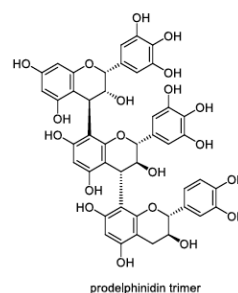
Kazuhiro Kobayashi\* and Takashi Nogi



4*H*-3,1-Benzothiazine    Halomethylidene Substituent    2-(2-(2-Dihaloethenyl)phenyl) Isothiocyanate    Sodium Alkoxide    Sodium Thiolate

**1822 Synthesis of Prodelphinidin Trimer Isolated from *Cistus albidus* and its Growth Inhibitory Activity Against Human Prostate Cancer Cell Lines**

Masataka Mori, Kiriko Matsumoto, Chisato Ishihara,  
Koichiro Kawaguchi, Sei-ichi Kawahara, Yasunao Hattori,  
Hiroshi Fujii,\* and Hidefumi Makabe\*

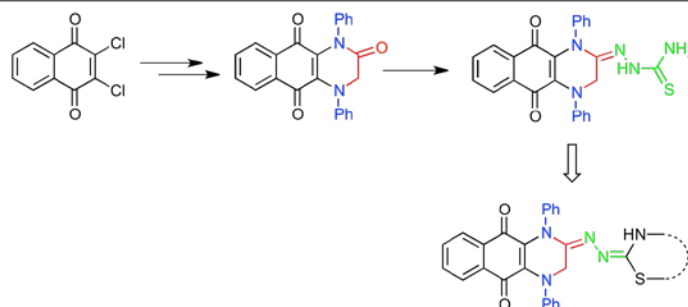


Polyphenol    Condensation Reaction    Lewis Acid    Prodelphinidin    Antitumor Activity

■ SHORT PAPERS

**1833 Thiosemicarbazides, Potent Reagents for Synthesis of Some New 1,4-Diphenylbenzo[*g*]quinoxaline-5,10-dione Based Heterocycles**

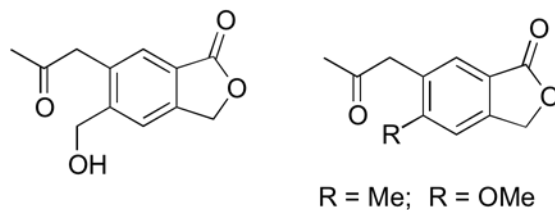
Islam H. El Azab\* and Hosam A. Saad



2,3-Dichloro-1,4-naphthoquinone    *p*-Quinone    Thiazole    Thiosemicarbazide    Thiazolidinone

**1857 Three New Phenylpropanoid from the Leaves of Yunnan Local Sun Cured Tobacco and Their Bioactivities**

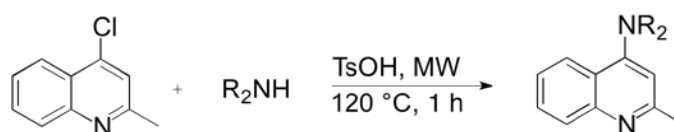
Feng-Mei Zhang, Jian-Jun Xia, Pei-Song Yang, Qin-Peng Shen, Chun-Bo Liu, Pei He, Jia-Qiang Wang, Zhi-Hua Liu,\* and Zhong-Tao Ding\*



Phenylpropanoid    Yunnan Local Sun Cured Tobacco    Anti-Tobacco Mosaic Virus (TMV) Activity    Cytotoxicity Activity

**1864 Microwave-Assisted Efficient Synthesis of 4-Substituted Amino-2-methylquinolines Catalyzed by *p*-Toluenesulfonic Acid**

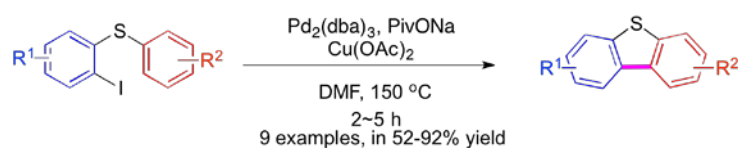
Xiao-qin Wang,\* Yuan-hong Cai, Xiao-yang Xie, Cui-ying Huang, Jia-yu Li, Wen-na Chen, Ming-hua He, and Wen-jia Pan\*



Microwave-Assisted Synthesis    4-Substituted Amino-2-methylquinoline

**1874 Palladium Catalyzed Syntheses of Dibenzothiophenes by Ring-Closure of 2-Iodinated Diaryl Thioether**

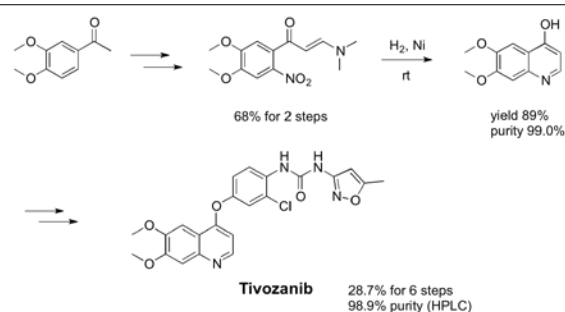
Ya-Fang Chen, Rui-Yue Ma, Lu-Nan Zhou, Zhenting Du, and Tao Zhang



Palladium-Catalysed Reaction    Dibenzothiophene

**1882 A New and Practical Synthesis of Tivozanib**

Chunping Zhu, Yongjun Mao,\* Han Wang, and Jingli Xu



Tivozanib    Reductive Cyclization Reaction    Antitumor Agent    Synthetic Process

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

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- 1889 Polyketides
  - 1892 Aromatics
  - 1894 Terpenes
  - 1897 Alkaloids
  - 1910 Miscellaneous
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■ BRUSH UP YOUR HETEROCYCLES

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- 1911 Brush Up Your Heterocycles
-

**Contributors  
To This Issue**

- 1864 Cai, Yuan-hong  
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1833 El Azab, Islam H.  
1822 Fujii, Hiroshi  
1803 González-Villanueva, Gilberto  
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1864 Huang, Cui-ying  
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1857 Wang, Jia-Qiang  
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1874 Zhou, Lu-Nan  
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