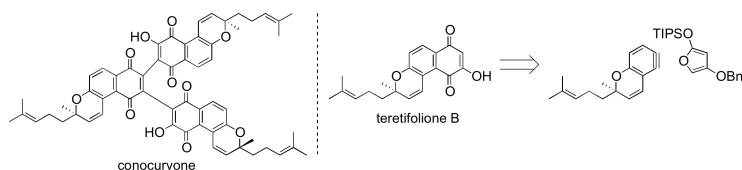


REVIEW

177 **Chemistry of Anti-HIV Active Trimeric Pyranonaphthoquinone Conocurvone: Synthetic Studies towards Monomeric Teretifolione B and Related Compounds**

Takuya Kumamoto\* and Kazuaki Katakawa

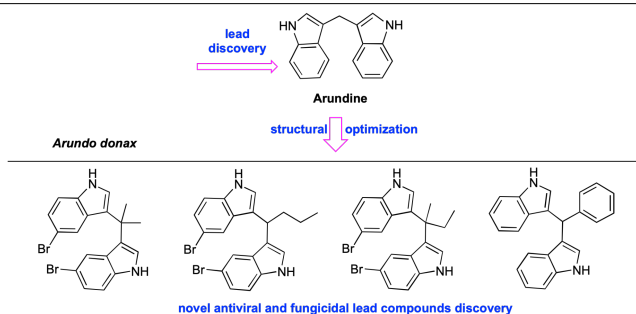


Pyranonaphthoquinone    Anti-HIV-1 Active Compound    Trimeric Structure    Diels-Alder Reaction    Benzyne

PAPERS

195 **Natural Products for Biocides Discovery: Discovery of Arundine and It's Derivatives as Novel Antiviral and Anti-Phytopathogenic-Fungus Agents**

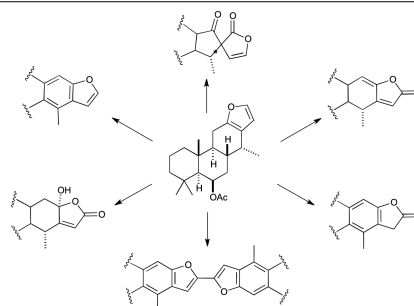
Ancai Liao, Shengli Jin, Ziwen Wang,\* and Qingmin Wang\*



Plant Disease    Tobacco Mosaic Virus    Fungicidal Activity    Arundine    Natural Product

207 **Preparation and Cytotoxic Evaluation of Vouacapane Oxidation Products**

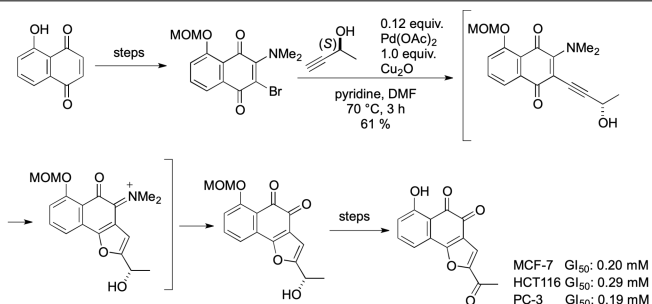
Armando Talavera-Alemán, Mario A. Gómez-Hurtado, Gabriela Rodríguez-García, Alejandra Ochoa-Zarzosa, Christine Thomassigny, Carlos M. Cerda-García-Rojas,\* Pedro Joseph-Nathan, and Rosa E. del Río\*



Furan Oxidation Reaction    Spirolactone    Diterpenoid    X-Ray Diffraction    Cytotoxic Compound

225 **Concise Synthesis and Evaluation of ortho-Naphthoquinones Containing a Phenolic Hydroxy Moiety**

Mitsuaki Yamashita, Syuhei Hata, Jun Sawano, Ryuji Umeda, and Akira Iida\*

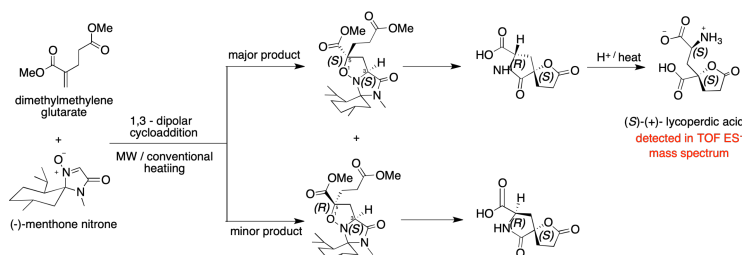


Naphthoquinone    Antiproliferative Effect    Sonogashira Coupling

MCF-7  $GI_{50}$ : 0.20 mM  
HCT116  $GI_{50}$ : 0.29 mM  
PC-3  $GI_{50}$ : 0.19 mM

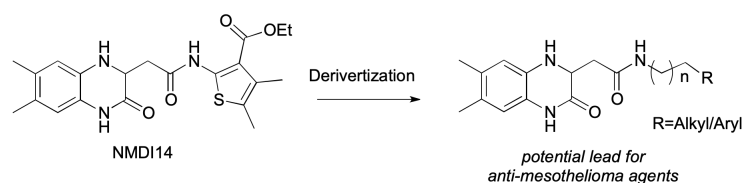
■ SHORT PAPERS

- 241 A Facile Synthesis of 4-Substituted Glutamate Derivative via 1,3-Dipolar Cycloaddition of Dimethyl 2-Methyleneglutarate and Nitrone Derived (-)-Menthone**  
 Abigail Kempf, Jaffargurqbal Singh, Dina C. Merrer, and Richard Washington Denton\*



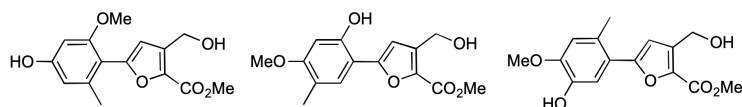
Microwave-Assisted Organic Synthesis    Lycoperdic Acid    1,3-Dipolar Cycloaddition Reaction    Isoxazolidine    Reduction

- 253 Synthesis and Biological Evaluation of NMDI14 Derivatives as Anti-Mesothelioma Agents**  
 Hong Nhung Nguyen, Koya Suzuki, Yasuaki Kimura, Takatsugu Hirokawa, Yuko Murakami-Tonami, and Hiroshi Abe\*



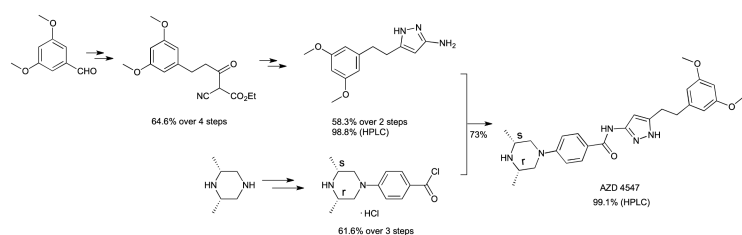
Quinoxaline    Anticancer Agent    Amide

- 267 Three New Furan-2-carboxylic Acid Derivatives from the Stem Bark of *Nicotiana tabacum* and Their Bioactivity**  
 Yin-Ke Li, Na Lv, Dian Luo, Wei-Song Kong, Qi-Li Mi, Qian Gao, Wan-Li Zeng, Jing Li, Jun Ling, Chun-Bo Liu, Guang-Yu Yang, Xue-Mei Li, Zhang-Yu Chen,\* and Qiu-Fen Hu\*



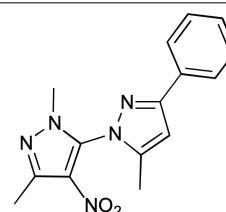
Furan-2-carboxylic Acid Derivative    *Nicotiana tabacum*    Anti-MRSA Activity    Antioxidant Activity

- 276 New and Convergent Synthesis of AZD 4547**  
 Lehao Bu, Han Wang,\* Wenxin Chen, Lei Gao, Cong Sun, and Yongjun Mao



AZD 4547

- 283 Synthesis and Cytotoxic Activity of Some New Bipyrzole Derivatives**  
 Bader A. Salameh,\* Kayed A. Abu-Safieh,\* Islam S. AL-Aqrabawi, Fatima Alsoubani, and Lubna H. Tahtamouni



K562    MCF-7  
 IC50    IC50  
 17.1 µg/mL    10.7 µg/mL

Bipyrzole    Cytotoxic Activity

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

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- 293 Polyketides
  - 294 Aromatics
  - 296 Terpenes
  - 298 Steroids
  - 299 Alkaloids
  - 303 Miscellaneous
- 

■ BRUSH UP YOUR HETEROCYCLES

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- 305 Brush Up Your Heterocycles
-

## Contributors To This Issue

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