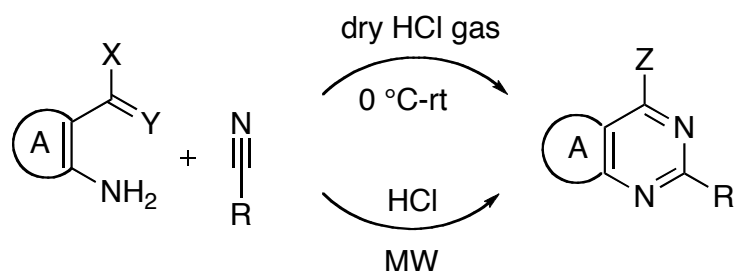


## ■ REVIEWS

**1627 Synthesis of Pyrimidines and Condensed Pyrimidines through Reactions of Nitriles with *o*-Aminocarbonyl Substrates under Acidic Conditions**

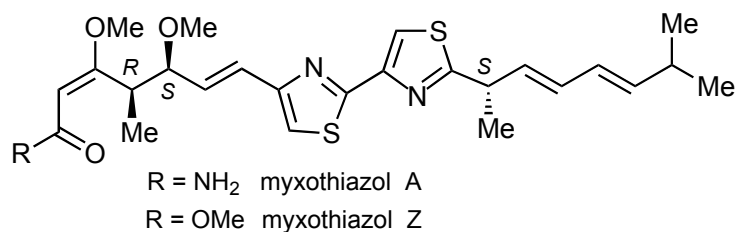
Chamanlal Shishoo, Subramaniam Ananthan, Vishweshwar Bhadti, Giliyar Ullas, Mahesh Chhabria, Jitender Bariwal, Laxmi Venkatesh Gurachar Nargrund, and Kishor Jain\*



Nitrile Imidoyl Halide Condensed Functionalized Pyrimidine Dry HCl Gas Acidic Condition

**1667 Recent Advances in the Syntheses of Biologically Active Natural Products Using Biocatalyst**

Hiroyuki Akita\*

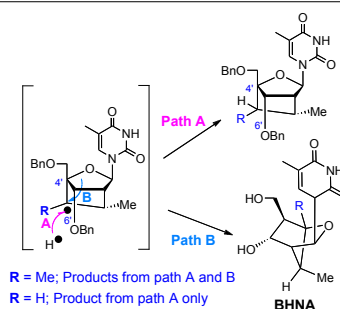


Oudemansin Chuangxinmycin Asperlin Indolmycin Cystothiazole Myxothiazole

## ■ PAPERS

**1715 Synthesis and Structure of New Methylene-Bridged Hexopyranosyl Nucleoside (BHNA)**

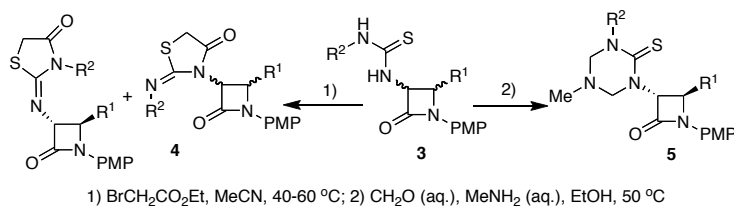
Chuanzheng Zhou, Oleksandr Plashkevych, Yi Liu, Naresh Badgajar, and Jyoti Chattopadhyaya\*



Conformationally Constrained Nucleoside Hexopyranosyl Nucleoside Radical Rearrangement Conformational Analysis *ab initio* Calculation

**1729 New Thiazolidinone and Triazinethione Conjugates Derived from Amino- $\beta$ -lactams**

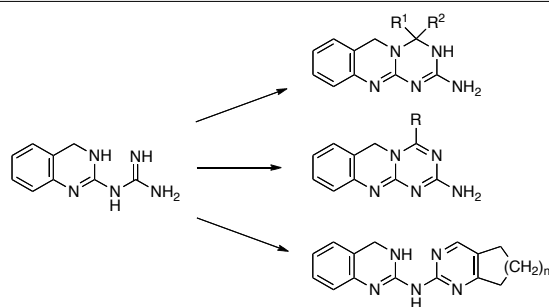
Katarina Radolović, Ivan Habuš,\* and Bogdan Kralj



$\beta$ -Lactam Isothiocyanate Thiourea Iminothiazolidinone Triazinethione

**1761 Synthesis and Heterocyclizations of 3,4-Dihydroquinazolin-2-yl Guanidine in the Search of New Anticancer Agents**

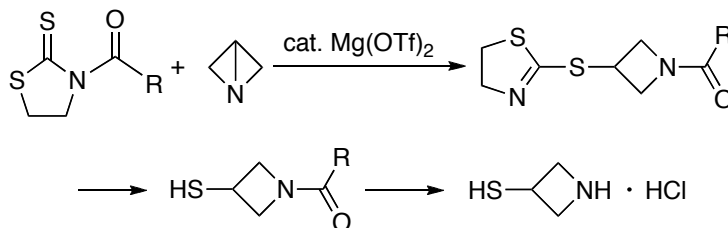
Anton V. Dolzhenko, Mi Chelle Foo, Bee Jen Tan, Anna V. Dolzhenko, Gigi Ngar Chee Chiu, and Wai Keung Chui\*



Quinazoline    Fused 1,3,5-Triazine    Heterylguanidine    Hindered Rotation    Anticancer Activity

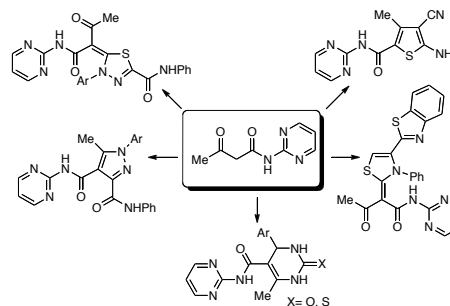
**1777 Reaction of 1-Azabicyclo[1.1.0]butane with Activated Amides**

Kazuhiko Hayashi,\* Eiko Kujime, Hajime Katayama, Shigeki Sano, and Yoshimitsu Nagao


 1-Azabicyclo[1.1.0]butane    1 $\beta$ -Methylcarbapenem    Azetidine-3-thiol    Quinolone Antibiotic    Small Ring

**1787 Synthesis and Antimicrobial Evaluation of New Pyrazole, Thiophene, Thiazole and 1,3,4-Thiadiazole Derivatives Incorporating Pyrimidine Ring**

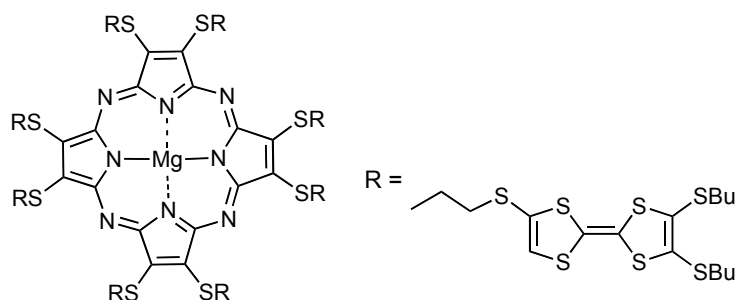
Ahmad M. Farag,\* Nabila A. Kheder, and Yahia N. Mabkhot



Pyrazole    Hydrazonoyl Chloride    Pyrimidine    1,3,4-Thiadiazole    Antimicrobial Evaluation

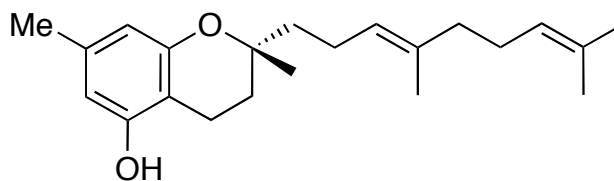
**NOTES**
**1799 Synthesis, Photophysical and Electrochemical Properties of a D- $\sigma$ -A Ensemble Derived from Porphyrazine and Tetrathiafulvalene**

Ruibin Hou, Han Qiu, Tie Chen, and Bingzhu Yin\*


*cis/trans*-1,2-Dicyanoethylene    Tetrathiafulvalene    Porphyrazine    D-s-A Ensemble    Cyclotramerization

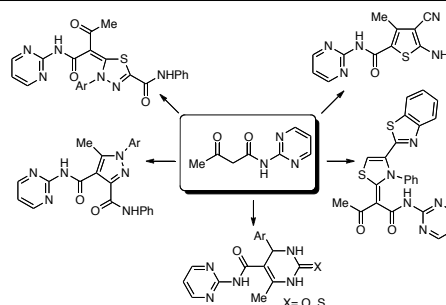
**1807 Chemical Constituents from the Fruiting Bodies of the Basidiomycete *Albatrellus* Sp.**

An-Ling Zhang, Tian Xu, Jin-Min Gao,\* Ming-Sheng Bai, Gao Zhang, Han-Wei Liu, Shi-Qing Li, and Yasuo Konishi


*Albatrellus* species    Basidiomycete    Prenylated Orcinol Derivative    Albatrellutin    Neurite Outgrowth Effect

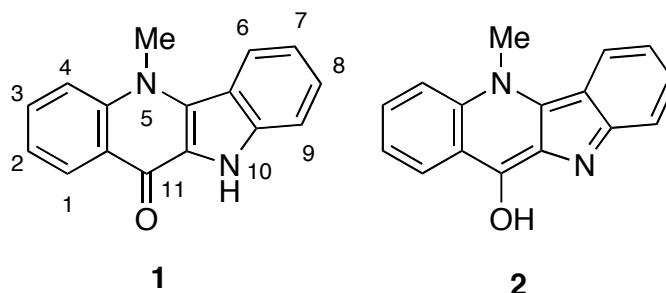
**1815 Synthesis of Some Novel Bis(pyrazole), Bis(pyridine) and Bis(pyrazolo[5,1-*c*]-1,2,4-triazine Derivatives**

Nabila A. Kheder\*


 Bis(cyanoacetamide)    Hydrazonoyl Chloride    Bis(aminopyrazole)    Bis(pyrazolo[5,1-*c*]-1,2,4-triazine)    *N,N*-Dimethylformamide Dimethyl Acetal

**1823 Relative Stability of Cryptolepinone and Hydroxycryptolepine**

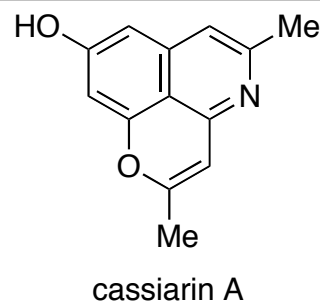
Masahiro Kataoka\* and Tsuguo Sato



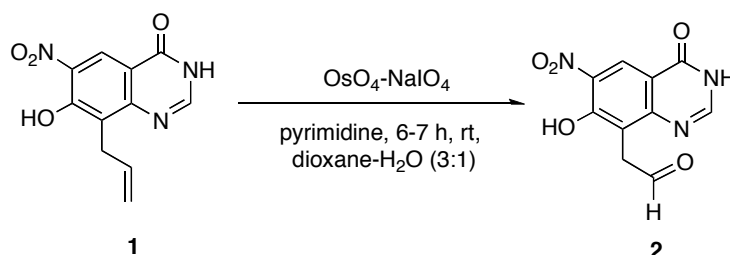
Solvent Effect    Tautomerism    DFT Calculation    Semiempirical MO Calculation

**1831 Antimalarial Activity of Cassiarin A from the Leaves of *Cassia siamea***

Wiwied Ekasari,\* Aty Widawaruyanti, Noor Cholies Zaini, Din Syafruddin, Toshio Honda, and Hiroshi Morita


 Cassiarin A    *Cassia siamea*    Antimalarial Activity    *Plasmodium falciparum*
**1837 Effective Procedure for the Oxidative Cleavage of Olefins by OsO<sub>4</sub>-NaIO<sub>4</sub>**

Hong Woo Lee,\* Sung Kwon Kang, Choong Leol Yoo, and Seung Uk Lee



Oxidative Cleavage    Olefin    Phosphodiesterase    Erectile Dysfunction    Pyrimidine

■ NEW HETEROCYCLIC NATURAL PRODUCTS

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- 1847 Polyketides
  - 1851 Aromatics
  - 1869 Terpenes
  - 1890 Steroids
  - 1891 Alkaloids
  - 1897 Miscellaneous
- 

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

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- 1899 Polyketides
  - 1904 Aromatics
  - 1907 Terpenes
  - 1909 Steroids
  - 1910 Alkaloids
  - 1915 Miscellaneous
-

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To This Issue**

- 1667 Akita, Hiroyuki  
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 1761 Chiu, Gigi Ngar Chee  
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 1761 Dolzhenko, Anna V.  
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 1627 Shishoo, Chamanlal  
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 1807 Zhang, Gao  
 1715 Zhou, Chuanzheng