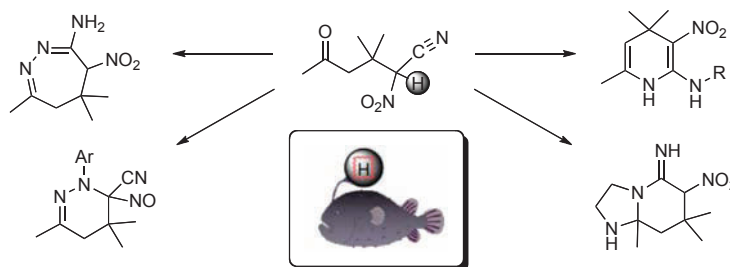


■ REVIEWS

967 **The Pseudo-Intramolecular Process: A Novel Synthetic Method for Functionalized Heterocyclic Compounds**

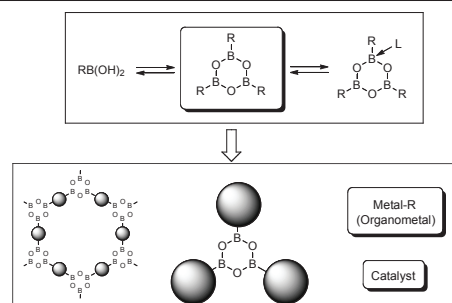
Nagatoshi Nishiwaki\*



Pseudo-Intramolecular Reaction    Transacylation    Malonic Acid Amide Ester    1,4-Dihydropyridine    Diazabicyclic Compound

991 **Boroxine Chemistry: From Fundamental Studies to Applications in Supramolecular and Synthetic Organic Chemistry**

Yuji Tokunaga\*

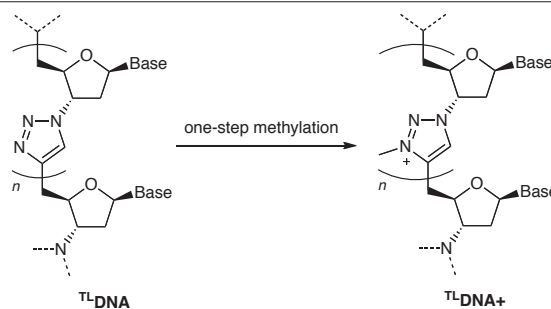


Boroxine    Boronic Acid    Organic Synthesis    Supramolecular Chemistry    Material Science

■ COMMUNICATION

1023 **Post-Modification of Triazole-Linked Analogues of DNA for Positively Charged Variants**

Tomoko Fujino, Yusuke Miyauchi, Nobuhide Tsunaka, Koudai Okada, and Hiroyuki Isobe\*

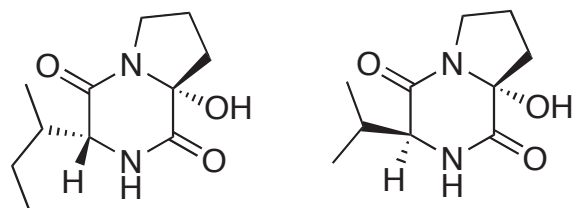


Triazolium    Oligonucleotide    Duplex Formation

## ■ PAPERS

**1029 New Diketopiperazine Derivatives from Culture Broth of *Staphylococcus* sp. Isolated from *Corallina officinalis* Lineaus**

Amgad I. M. Khedr, Isao Kouno, Takashi Tanaka, and Koji Yamada\*



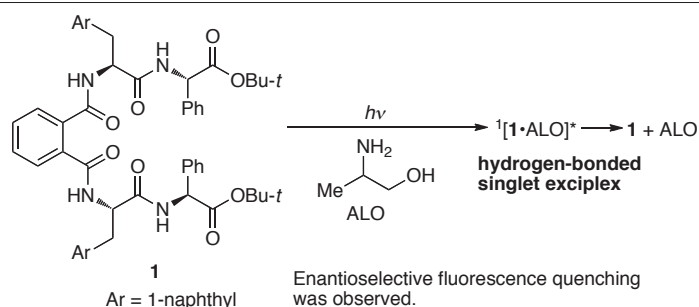
staphyloamide A

staphyloamide B

*Staphylococcus* sp.    Diketopiperazine Derivative    Antimicrobial Activity

**1039 Enantioselective Fluorescence Recognition of Chiral Amines by *N*-Acyl-(*S*)-1-naphthylalanyl-(*S*)-phenylglycine and *N*-Acyl-(*S*)-1-naphthylalanyl-(*S*)-1-naphthylalanine Dipeptides Bridged by a 1,2-Phenylene or an Ethylene Spacer Chain**

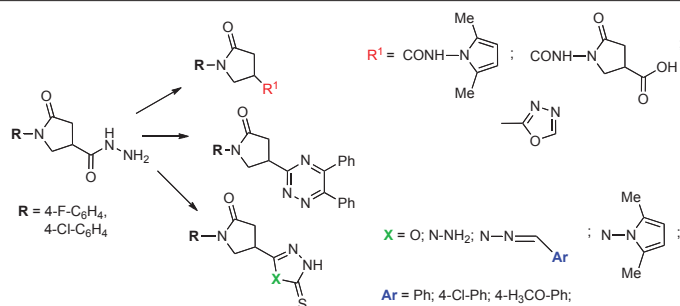
Tomoe Ishikawa, Miho Sonobe, Akinori Hayakawa, Tetsutaro Igarashi, and Tadamitsu Sakurai\*



Bridged Dipeptide    Chiral Amine    Fluorescence Quenching    Hydrogen Bonding    Exciplex

**1059 Synthesis and Characterization of 4-Substituted 1-(4-Halogenophenyl)pyrrolidin-2-ones with Azole and Azine Moieties**

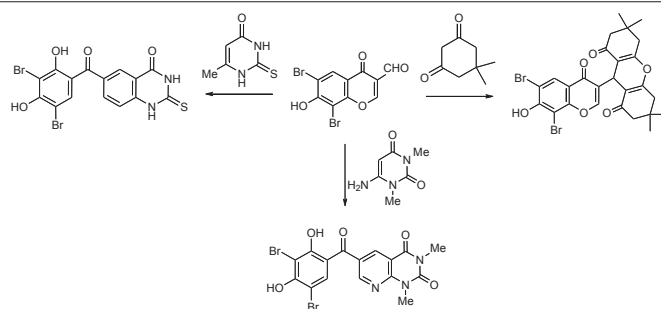
Rita Vaickelioniene, Vytautas Mickevicius,\* and Gema Mikulskiene



Pyrrolidin-2-one    Azole    Azine    NMR Spectroscopy    Molecular Modeling

**1075 Studies on the Chemical Behavior of the Novel 6,8-Dibromo-7-hydroxychromone-3-carboxaldehyde towards Some Carbon Nucleophilic Reagents**

Magdy A. Ibrahim,\* Tarik E. Ali, Azza M. El-Kazak, and Amira M. Mohamed

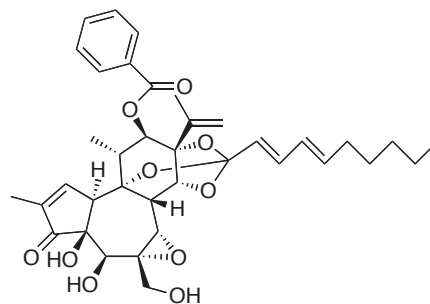


Chromone-3-carboxaldehyde    Carbon Nucleophile    Condensation Reaction    Ring Opening-Ring Closure Reaction

## ■ SHORT PAPERS

**1087 Promoting Effects on Hepatocyte Growth Factor Production of Daphnane Diterpenoids from *Daphne odora***

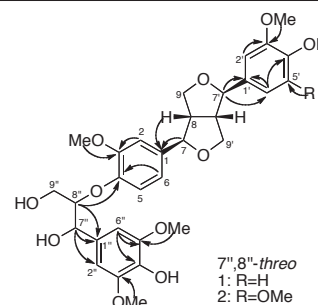
Rie Nakasone, Manami Kurisu, Manami Onodera, Yusaku Miyamae, Daisuke Matsuura, Hirotohi Kanatani, Shingo Yano, and Hideyuki Shigemori\*



Daphnane Diterpenoid    Hepatocyte Growth Factor    *Daphne odora*    Gnidilatidin    Bioactive Compound

**1093 Two New Furofuran Lignans from *Kandelia obovata***

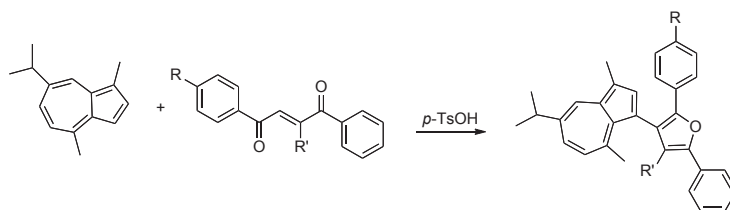
Haihan Nan,\* Han Lin,\* Zhuoquan Qian, and Haozhen Yin



Furofuran Lignan    *Kandelia obovata*

**1099 One-Pot Synthesis of (Guaiazulen-1-yl)furan Derivatives from Guaiazulene and 1,4-Diaryl-2-butene-1,4-diones**

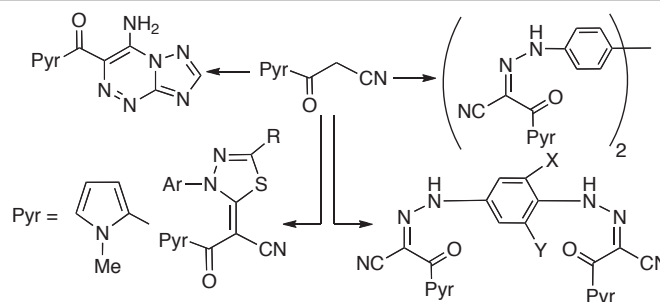
Dao-Lin Wang,\* Jia-Yi Yu, Jiao Xu,\* and Zhe Dong



Guaiazulene    1,4-Diaryl-2-butene-1,4-dione    (Guaiazulen-1-yl)furan    *p*-TsOH

**1109 A Facile Green Synthesis and Anti-Cancer Activity of *bis*-Arylhydrazononitriles, Triazolo[5,1-*c*][1,2,4]triazine, and 1,3,4-Thiadiazolines**

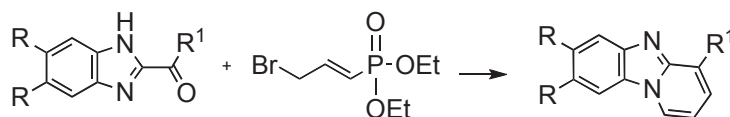
Sobhi M. Gomha, Khaled D. Khalil, Ali M. El-Zanaty, and Sayed M. Riyadh\*



2-Cyanoacetyl-1-methyl-1*H*-pyrrole    *bis*-Arylhydrazononitrile    [1,2,4]Triazolo[5,1-*c*][1,2,4]triazine    1,3,4-Thiadiazoline    Chitosan

**1121 Facile Synthesis of Pyrido[1,2-*a*]benzimidazole Derivatives via Novel Tandem Reaction Involving Horner-Emmons Reaction**

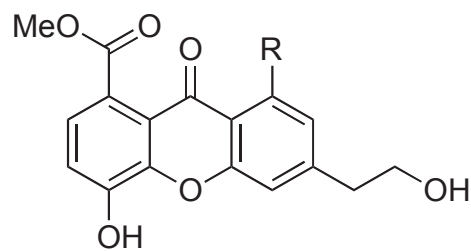
Wen-Jing Zhao, Ya-Fei Xie, Yan-Qing Ge,\* Wei-Ren Xu, Gui-Long Zhao, and Jian-Wu Wang\*



Pyrido[1,2-*a*]benzimidazole    Tandem Reaction    Imidazo[1,2-*a*]pyridine

**1127 New Xanthenes from *Garcinia bracteata* and Their Cytotoxicities**

Qiufen Hu,\* Deyun Niu, Xiangli Li, Yunhua Qin,  
Zongyan Yang, Guoli Zhao, Zhongxiu Yang, Xuemei Gao,\*  
and Zhangyu Chen



1 R = OH; 2 R = OMe

*Garcinia bracteata* Xanthone Cytotoxicity Structure Elucidation

**■ NEW HETEROCYCLIC NATURAL PRODUCTS**

- 1133 Polyketides
- 1137 Aromatics
- 1151 Terpenes
- 1164 Steroids
- 1167 Alkaloids
- 1172 Miscellaneous

**■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS**

- 1175 Polyketides
- 1183 Aromatics
- 1188 Terpenes
- 1191 Alkaloids
- 1207 Miscellaneous

**Contributors  
To This Issue**

- |      |                       |      |                |
|------|-----------------------|------|----------------|
| 1075 | Ali, Tarik E.         | 1099 | Yu, Jia-Yi     |
| 1127 | Chen, Zhangyu         | 1121 | Zhao, Gui-Long |
| 1099 | Dong, Zhe             | 1127 | Zhao, Guoli    |
| 1075 | El-Kazak, Azza M.     | 1121 | Zhao, Wen-Jing |
| 1109 | El-Zanaty, Ali M.     |      |                |
| 1023 | Fujino, Tomoko        |      |                |
| 1127 | Gao, Xuemei           |      |                |
| 1121 | Ge, Yan-Qing          |      |                |
| 1109 | Gomha, Sobhi M.       |      |                |
| 1039 | Hayakawa, Akinori     |      |                |
| 1127 | Hu, Qiufen            |      |                |
| 1075 | Ibrahim, Magdy A.     |      |                |
| 1039 | Igarashi, Tetsutaro   |      |                |
| 1039 | Ishikawa, Tomoe       |      |                |
| 1023 | Isobe, Hiroyuki       |      |                |
| 1087 | Kanatani, Hirotooshi  |      |                |
| 1109 | Khalil, Khaled D.     |      |                |
| 1029 | Khedr, Amgad I. M.    |      |                |
| 1029 | Kouno, Isao           |      |                |
| 1087 | Kurusu, Manami        |      |                |
| 1127 | Li, Xiangli           |      |                |
| 1093 | Lin, Han              |      |                |
| 1087 | Matsuura, Daisuke     |      |                |
| 1059 | Mickevicius, Vytautas |      |                |
| 1059 | Mikulskiene, Gema     |      |                |
| 1087 | Miyamae, Yusaku       |      |                |
| 1023 | Miyauchi, Yusuke      |      |                |
| 1075 | Mohamed, Amira M.     |      |                |
| 1087 | Nakasone, Rie         |      |                |
| 1093 | Nan, Haihan           |      |                |
| 967  | Nishiwaki, Nagatoshi  |      |                |
| 1127 | Niu, Deyun            |      |                |
| 1023 | Okada, Koudai         |      |                |
| 1087 | Onodera, Manami       |      |                |
| 1093 | Qian, Zhuoquan        |      |                |
| 1127 | Qin, Yunhua           |      |                |
| 1109 | Riyadh, Sayed M.      |      |                |
| 1039 | Sakurai, Tadimitsu    |      |                |
| 1087 | Shigemori, Hideyuki   |      |                |
| 1039 | Sonobe, Miho          |      |                |
| 1029 | Tanaka, Takashi       |      |                |
| 991  | Tokunaga, Yuji        |      |                |
| 1023 | Tsunaka, Nobuhide     |      |                |
| 1059 | Vaickelioniene, Rita  |      |                |
| 1099 | Wang, Dao-Lin         |      |                |
| 1121 | Wang, Jian-Wu         |      |                |
| 1121 | Xie, Ya-Fei           |      |                |
| 1099 | Xu, Jiao              |      |                |
| 1121 | Xu, Wei-Ren           |      |                |
| 1029 | Yamada, Koji          |      |                |
| 1127 | Yang, Zhongxiu        |      |                |
| 1127 | Yang, Zongyan         |      |                |
| 1087 | Yano, Shingo          |      |                |
| 1093 | Yin, Haozhen          |      |                |