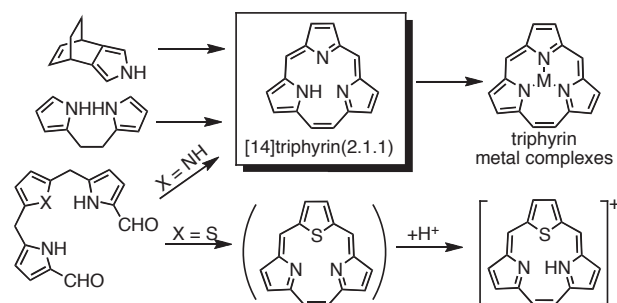


## ■ REVIEW

 1209 **Synthesis and Characterization of Triphyrins:  
A New Family of Porphyrinoids**

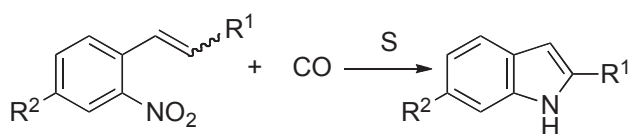
Daiki Kuzuhara and Hiroko Yamada\*



Triphyrin    Metal Complex    Ring-Contracted Porphyrinoid    X-Ray Single Crystal Structure Analysis

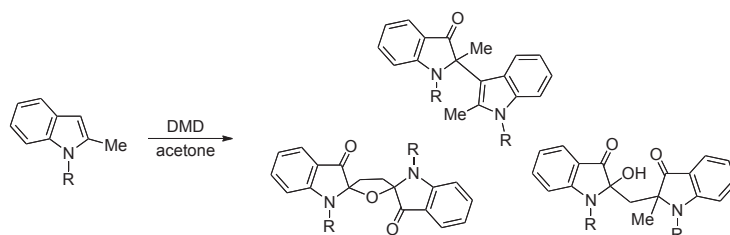
## ■ COMMUNICATION

 1241 **Synthesis of Indoles: Sulfur-Assisted Reaction  
of 2-Nitrostilbenes with Carbon Monoxide**

 Rui Umeda, Yuuta Nishimoto, Tsukasa Mashino,  
and Yutaka Nishiyama\*

 Sulfur    Carbon Monoxide    *o*-Nitrostilbene    Indole

## ■ PAPERS

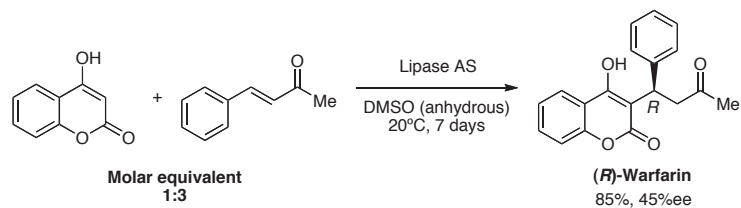
 1249 **Dimethyldioxirane Oxidation of *N*-Substituted-2-  
methylindoles to Indoxyls and Bisindoxyls**

 Alberto Aristeo-Dominguez, Myriam Meléndez-Rodríguez,\*  
Oscar R. Suárez Castillo,\* Yaneth M. A. Contreras-Martínez,  
Lizbeth Suárez-Ramírez, Nayely Trejo-Carbajal,  
Martha S. Morales-Ríos, and Pedro Joseph-Nathan


Dimethyldioxirane    Indoxyl    Spiroindoxyl    Bisindoxyl    Dialkylindigo

**1269 Development of a Novel Method for Warfarin Synthesis via Lipase-Catalyzed Stereoselective Michael Reaction**

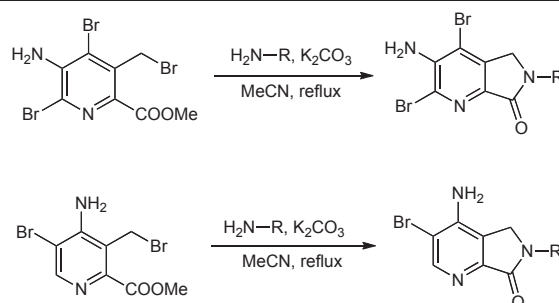
Kaoru Sano, Shun-ichi Saito, Yoshihiko Hirose, Yoshihito Kohari, Hiroto Nakano, Chigusa Seki, Michio Tokiwa, Mitsuhiro Takeshita, and Koji Uwai\*



Biocatalysis    Michael Reaction    Lipase    Warfarin    Stereoselective Reaction

**1279 Synthesis of 5-Amino or 4-Amino Substituted 7-Aza-isoindolin-1-ones**

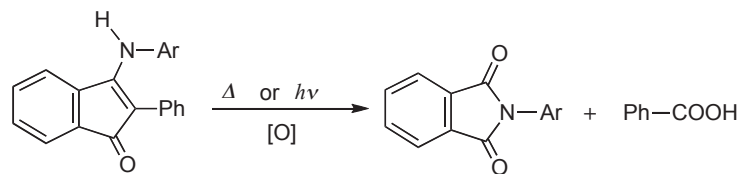
Heng Zhou, Qunfeng Shi, Xiangchao Liu, Xiaoping Zhan, Zenglu Liu, and Zhenmin Mao\*



7-Aza-isoindolinone    Amino Substitution    Bromination

**1289 Thermal and Photochemical Rearrangements of 3-Arylamino-2-phenyl-1*H*-inden-1-ones to *N*-Arylphthalimides**

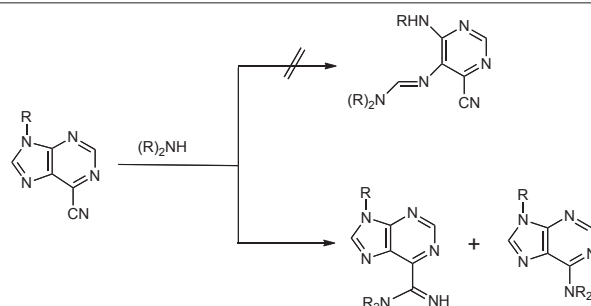
Masayuki Kawai, Eriko Sakanoshita, Motoko Akita, and Keiji Kobayashi\*



Photorearrangement    Thermal Rearrangement    Carbon Radical

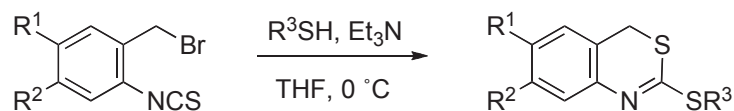
**SHORT PAPERS**
**1301 Unexpected Behaviour of 6-Cyanopurines Towards Secondary Amines**

Amal Al-Azmi\* and K. Anita Kumari


 6-Cyanopurine    *N,N*-Dialkylpurine    Purine

**1311 Synthesis of 2-Sulfanyl-4*H*-3,1-benzothiazine Derivatives by the Reaction of 2-(Bromomethyl)phenyl Isothiocyanates with Thiols**

Kosuke Ezaki, Miyuki Tanmatsu, and Kazuhiro Kobayashi\*

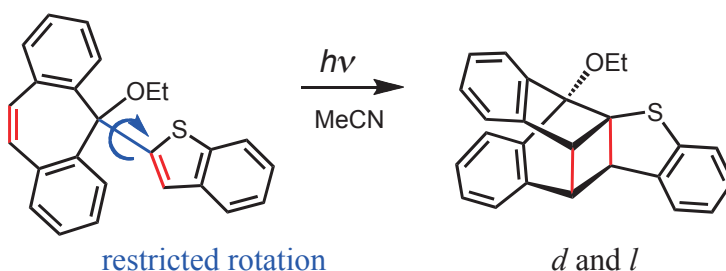

 $R^1 = \text{H, OMe}; R^2 = \text{H, Cl};$ 
 $R^3 = \text{alkyl, functionalized alkyl, Ph}$ 

56–99%

 2-Sulfanyl-4*H*-3,1-benzothiazine    2-(Bromomethyl)phenyl Isothiocyanate    Thiol    2,4-Bis(sulfanyl)-4*H*-3,1-benzothiazine

**1319 Intramolecular [2 $\pi$ +2 $\pi$ ]-Photocyclization and Conformational Preference of 5-(2-Benzo[*b*]thienyl)-5-ethoxy-5*H*-dibenzo[*a,d*]cycloheptene**

Motoko Akita, Sin-ya Mohri, Mai Takahashi, and Keiji Kobayashi\*



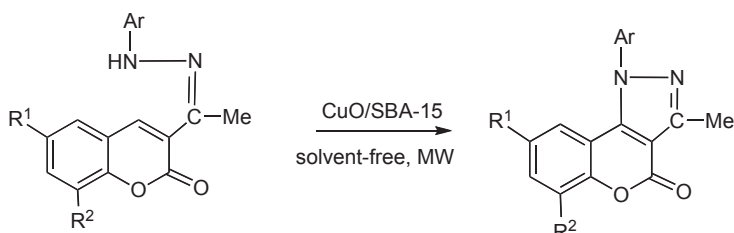
restricted rotation

*d* and *l*

 Benzo[*b*]thiophene    [2+2]-Photocycloaddition    Intramolecular Cycloaddition    Restricted Rotation    Dynamic NMR

**1327 Microwave-Assisted Synthesis of 3-Methyl-1-phenylchromeno[4,3-*c*]pyrazol-4(1*H*)-ones under Solvent-Free Conditions**

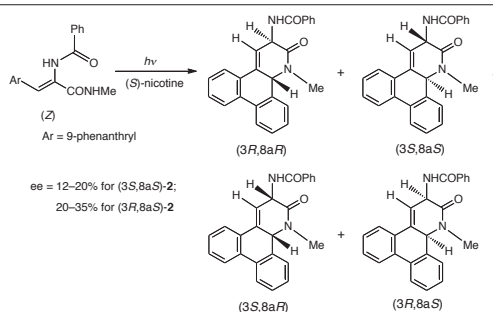
Guo-Yu Yang, Jing-Tian Yang, Cai-Xia Wang, Su-Fang Fan, Pu-Hui Xie, and Cui-Lian Xu\*



Microwave-Assisted Reaction    CuO/SBA-15    Cyclization    Chromenopyrazole    Solvent-Free Reaction

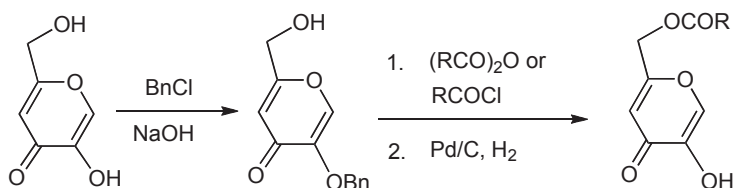
**1337 Asymmetric Conversion of (*Z*)-*N*-Benzoyl- $\alpha$ -dehydro-(9-phenanthryl)alanine *N*-Methylamide into Its Cyclization Intermediates via Photoinduced Electron Transfer**

Shin-ichi Matsuki, Takayuki Kimura, Shinsaku Hattori, Kaoru Kawai, Tetsutaro Igarashi, and Tadimitsu Sakurai\*


*N*-Benzoyl- $\alpha$ -dehydroamino Acid Derivative    Asymmetric Photocyclization    Cyclization Intermediate    Hydrogen Bonding

**1349 A Facile Synthesis of (5-Hydroxy-4-oxo-4*H*-pyran-2-yl)methyl Carboxylates and Their Antiviral Activity against Hepatitis C Virus**

Tetsuro Shimo,\* Yuki Taketsugu, Takuya Goto, Masaaki Toyama, Kohji Yoshimura, and Masanori Baba


 Kojic Acid    Kojic Acid Mono-ester    4*H*-Pyran-4-one    Anti-HCV Activity

■ NEW HETEROCYCLIC NATURAL PRODUCTS

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- 1359 Polyketides
  - 1361 Aromatics
  - 1375 Terpenes
  - 1387 Steroids
  - 1390 Alkaloids
  - 1396 Miscellaneous
- 

TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

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- 1399 Polyketides
  - 1403 Aromatics
  - 1406 Terpenes
  - 1407 Alkaloids
  - 1414 Miscellaneous
-

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To This Issue**

- |            |                                  |      |                  |
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| 1269       | Uwai, Koji                       |      |                  |
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