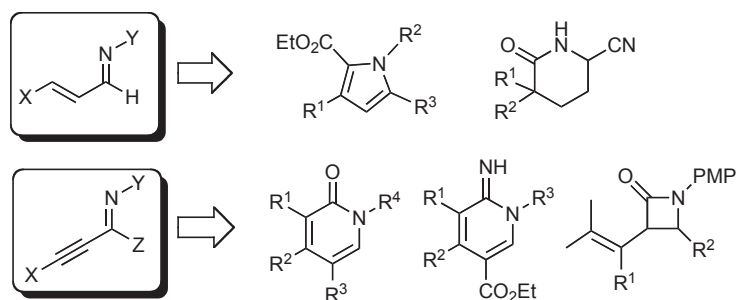


## ■ REVIEWS

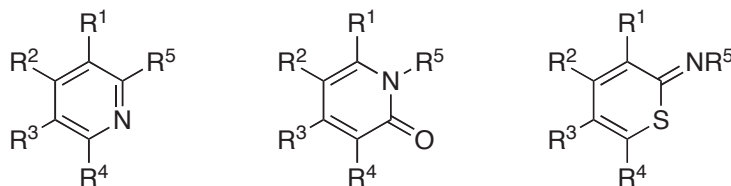
**993 Synthesis of Nitrogen-Containing Heterocycles Using Conjugate Addition Reactions of Nucleophiles to  $\alpha,\beta$ -Unsaturated Imines**

Iwao Hachiya, Isao Mizota, and Makoto Shimizu\*


 2,3,5-Trisubstituted Pyrrole     $\delta$ -Lactam    2-Pyridone    2-Iminopyridine     $\beta$ -Lactam

**1017 Rhodium-Catalyzed [2+2+2] Cycloaddition for the Synthesis of Substituted Pyridines, Pyridones, and Thiopyranimines**

Ken Tanaka\*

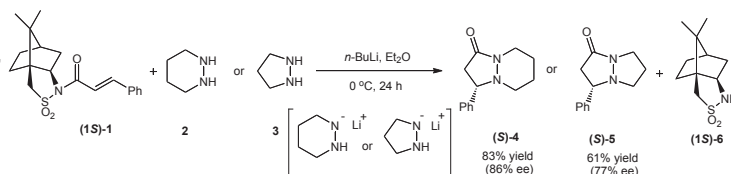

**Rh-Catalyzed Synthesis by [2+2+2] Cycloaddition**

[2+2+2] Cycloaddition    Pyridine    Pyridone    Rhodium    Thiopyranimine

## ■ COMMUNICATIONS

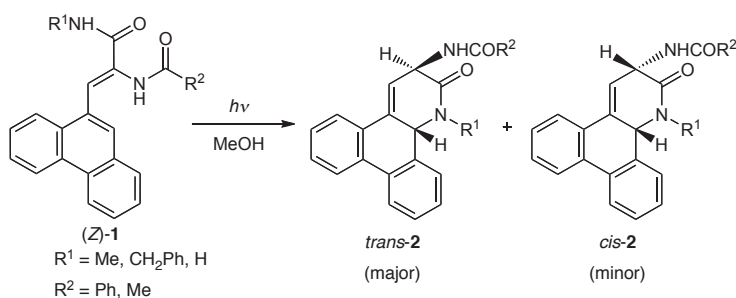
**1045 One Step Synthesis of Optically Active Diazabicyclo[3.3.0]octanones or Diazabicyclo[4.3.0]nonanones by Asymmetric Conjugate Addition of Cyclic Hydrazine**

Chigusa Seki,\* Masafumi Hirama, Takeshi Sato, Saya Takeda, Yoshihito Kohari, Kazuhiro Ishigaki, Masafumi Ohuchi, Kiyoshi Yokoi, Hiroto Nakano, Koji Uwai, Nobuhiro Takano, Kazuyuki Umemura, and Haruo Matsuyama\*


 Asymmetric Conjugate Addition    Polyamine Alkaloid    Lithium Amide    Cyclic Hydrazine     $\beta$ -Amino Acid Derivative

**1053 Photoinduced Selective Transformation of *N*-Acyl- $\alpha$ -dehydro(9-phenanthryl)alaninamides into Their Cyclization Intermediates in a Polar Protic Solvent**

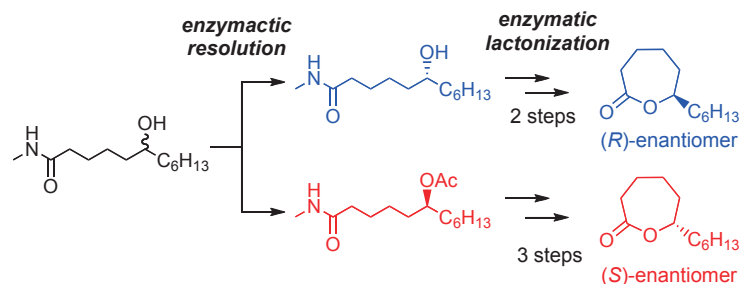
Yuki Kawanishi, Hiroko Yoshiie, Tetsutaro Igarashi, and Tadamitsu Sakurai\*


 $\alpha$ -Dehydroamino Acid Derivative    Photochemistry    Cyclization    Intermediate    Hydrogen Bonding and Charge Transfer

## ■ PAPERS

**1061 Enantioselective Synthesis of  $\epsilon$ -Lactones by Lipase-Catalyzed Resolution**

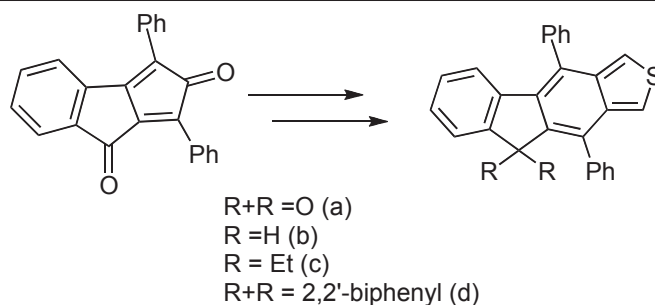
Yasutaka Shimotori,\* Masakazu Aoyama, Hidetaka Tsukasa, and Tetsuo Miyakoshi



$\epsilon$ -Lactone    Food Flavor    Lipase    Optical Resolution    Macrolactonization

**1077 Synthesis of Fluorene- and Spirobifluorene-Fused Thiophenes**

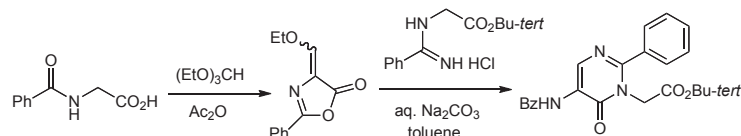
Wen Yao, Qiancai Liu,\* Yingbo Shi, and Jie Tang



Fluorene    Spirobifluorene    Thiophene    Synthesis    Fused-Heterocycle

**1089 Syntheses of 5-Amino-2-phenyl-4(3*H*)-pyrimidinone Derivatives Starting with Glycine**

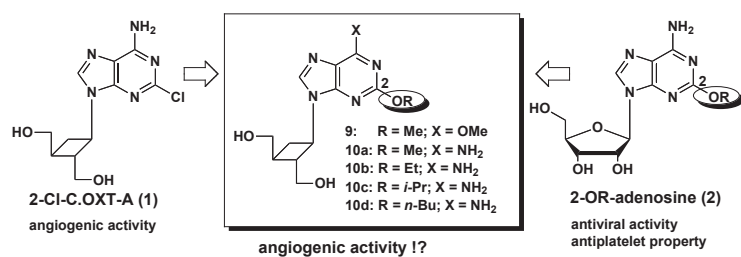
Daisuke Takahashi,\* Yutaka Honda, and Kunisuke Izawa\*



5-Amino-4-pyrimidinone    4-Ethoxymethylenoxazolone    Glycinate    Cyclization    Erlenmeyer Synthesis

**1105 Novel Synthesis of Carbocyclic Oxetanocin Analogs (2-Alkoxy-C.OXT-A) and Their Tube Formation Activities of Human Umbilical Vein Endothelial Cells (HUVEC)**

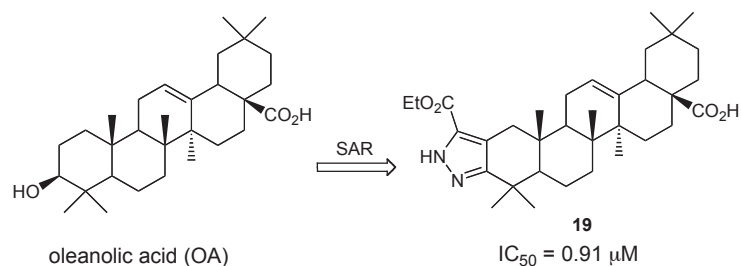
Norikazu Sakakibara, Ikuko Tsukamoto, Takashi Tsuruta, Maki Takata, Ryoji Konishi, and Tokumi Maruyama\*



2-Alkoxy-C.OXT-A Analog    2-Cl-C.OXT-A    Nucleoside Derivative    Tube Formation Activity    HUVEC

**1117 Synthesis and Biological Evaluation of Oleanolic Acid Derivatives as Novel Inhibitors of Protein Tyrosine Phosphatase 1B**

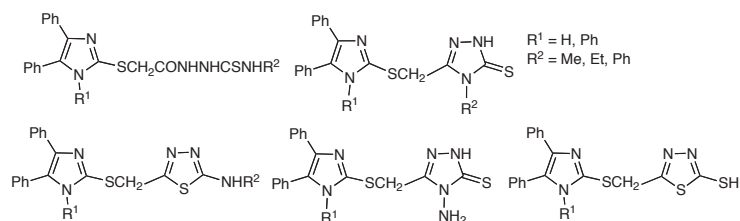
Hui Li, Hui Zou, Lixin Gao, Ting Liu, Fan Yang, Jingya Li, Jia Li,\* Wen-Wei Qiu,\* and Jie Tang



PTP1B    TCPTP    Inhibition

**1141 Synthesis, Characterization and Evaluation of Antimicrobial Activity of Some Novel 1,2,4-Triazoles and 1,3,4-Thiadiazoles Bearing Imidazole Nuclues**

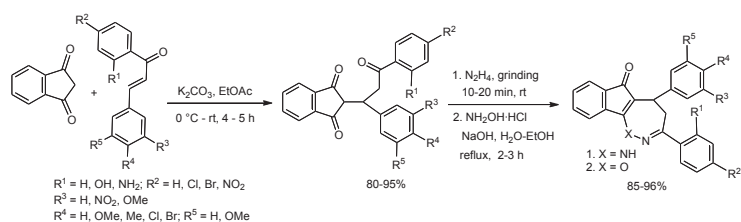
Mohamed Reda Aouad,\* Nadjat Rezki, Mohamed Kasmi, Linda Aouad, and Merieme A. Rezki



Imidazole    1,2,4-Triazole    1,3,4-Thiadiazole    Antimicrobial Activity

**SHORT PAPERS**
**1155 A Novel and Highly Efficient Protocol for the Synthesis of Chalcone Based 1,2-Diazepine and 1,2-Oxazepine Derivatives**

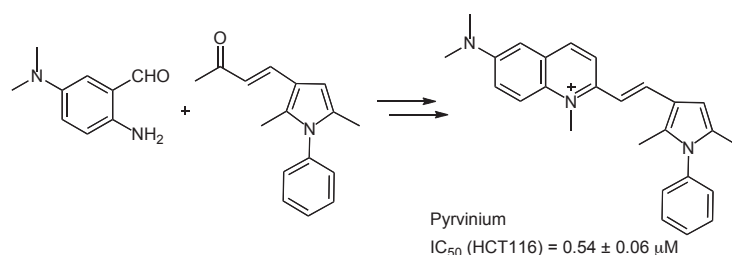
B. Venkata Babu and Naseem Ahmed\*



Michael Addition    1,5-Diketone    1,2-Diazepine    1,2-Oxazepine    Cyclocondensation

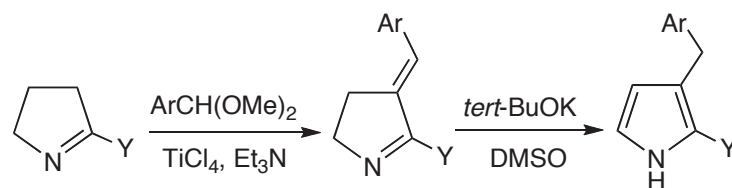
**1179 New Synthesis of Pyrvinium That inhibits the  $\beta$ -Catenin/Tcf4 Pathway**

Yongjun Mao, Nan Lin, Wang Tian, Ziwei Huang, and Jing An\*


 Pyrvinium    Synthesis    New Route     $\beta$ -Catenin/Tcf4    Inhibitor

**1187 Facile Synthesis of 2,3-Disubstituted Pyrroles from 2-Substituted 1-Pyrrolines**

Yurie Fujiwara, Mitsunori Oda,\* Taku Shoji, Takako Abe, and Shigeyasu Kuroda



Pyrrole    1-Pyrroline    Aldol Condensation    Isomerization    Acetal

■ NEW HETEROCYCLIC NATURAL PRODUCTS

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- 1197 Polyketides
  - 1201 Aromatics
  - 1210 Terpenes
  - 1228 Steroids
  - 1230 Alkaloids
  - 1238 Miscellaneous
- 

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

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- 1239 Polyketides
  - 1242 Aromatics
  - 1244 Terpenes
  - 1247 Alkaloids
  - 1254 Miscellaneous
-

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To This Issue**

- |            |                      |      |                   |
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