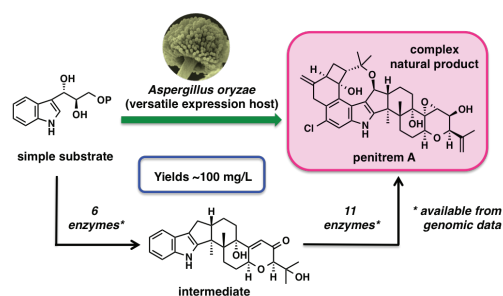


■ REVIEW

397 Total Biosynthesis of Fungal Indole Diterpenes Using Cell Factories

Atsushi Minami, Chengwei Liu, and Hideaki Oikawa\*

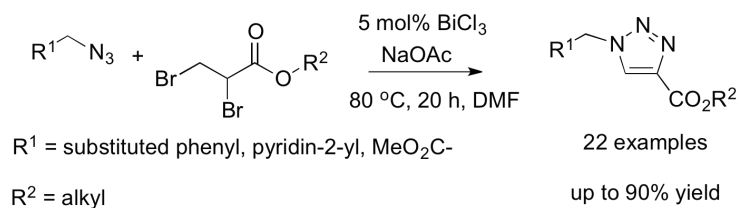


Indole Diterpene    Natural Product    Biosynthesis    Gene Cluster    Heterologous Expression

■ COMMUNICATION

423 Catalytic Cyclization of 2,3-Dibromopropionates with Benzyl Azides to Afford 1-Benzyl-1,2,3-triazole-4-carboxylate: The Use of a Nontoxic Bismuth Catalyst

Hong-bin Sun,\* Dong Li, Weiping Xie, and Xinlin Deng

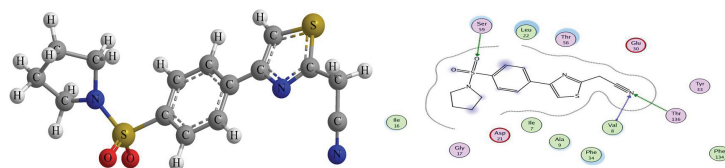


1,2,3-Triazole    Cyclization Reaction    Bismuth Chloride    2,3-Dibromopropionate Ester    Catalysis

■ PAPERS

431 Synthesis, Molecular Docking and Anti-Human Breast Cancer Activities of Novel Thiazolylacetonitriles and Thiazolylacrylonitriles and Their Derivatives Containing Benzenesulfonylpyrrolidine Moiety

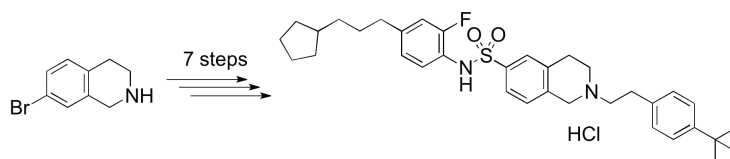
Mahmoud S. Bashandy\* and Shima M. Abd El-Gillil



Benzenesulfonylpyrrolidine    Thiazolylacetonitrile    Thiazolylacrylonitrile    Anti-Human Breast Cancer    Molecular Docking

470 **An Efficient and Convenient Synthesis of Acyl CoA: Monoacylglycerol Acyltransferase 2 Inhibitor, 2-[2-(4-*tert*-Butylphenyl)ethyl]-*N*-[4-(3-cyclopentylpropyl)-2-fluorophenyl]-1,2,3,4-tetrahydroisoquinoline-6-sulfonamide**

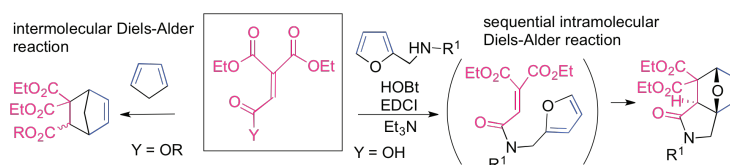
Tsuyoshi Busujima\* and Hiroaki Tanaka



MGAT2 Inhibitor    Multi-Gram Scale Synthesis    Tetrahydroisoquinoline    Chlorosulfonylation    Debromination Reaction

485 **Inter- and Intramolecular Diels-Alder Reaction of Ethenetricarboxylate Derivatives**

Shoko Yamazaki,\* Hiroataka Sugiura, Mamiko Niina, Yuji Mikata, and Akiya Ogawa

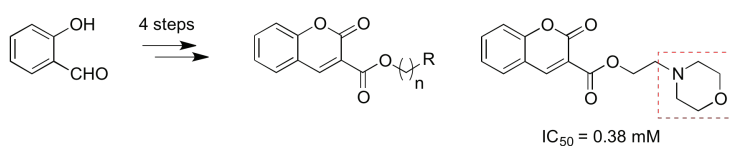


Diels-Alder Reaction    Intramolecular Reaction    Ethenetricarboxylate Ester    Furan

■ SHORT PAPERS

511 **Synthesis and Biological Evaluation of Novel Coumarin Derivatives as Antiplatelet Agents**

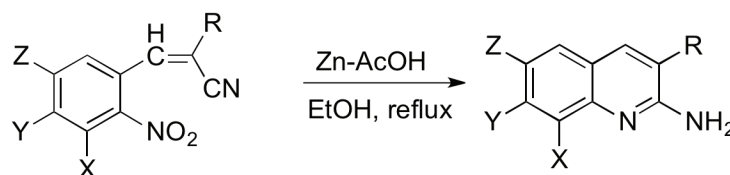
Peng Huang, Lei-Lei Gao, Zhuo Zhang, Jing-Ru Liu, and Li-Qin He\*



Coumarin Derivative    Biological Evaluation    Antiplatelet Activity

521 **Facile and Efficient Synthesis of 2-Aminoquinoline Derivatives Reduced by Zn/AcOH**

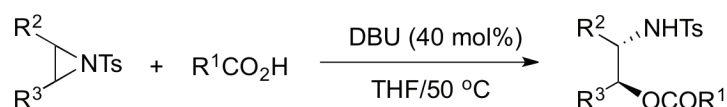
Guolan Dou,\* Deming Wang, and Daqing Shi



2-Aminoquinoline    Zinc Metal

**528 Ring-Opening Reactions of Aziridines with Carboxylic Acids Catalyzed by DBU**

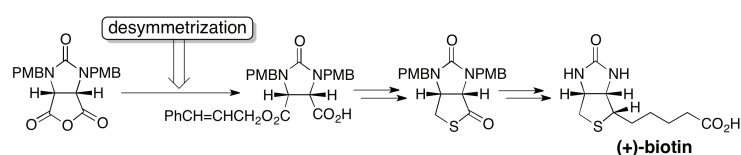
Yanqin Guo, Yepeng Xie, Qin Yang, Songsong Xu, Zhihong Deng, Xuechun Mao, and Yiyuan Peng\*



Aziridine    Carboxylic Acid    Organocatalysis    DBU

**544 Preparation of (+)-Biotin: Process Development and Scale-up**

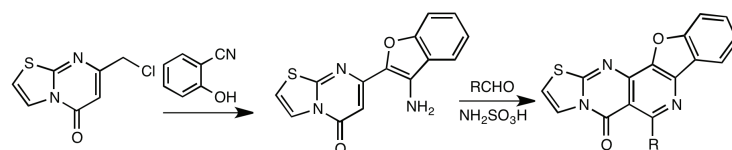
Fei Xiong,\* Jin Li, Gen Li, Bo Song, Yu-Xiao Zhou, Fen-Er Chen, and Dan Li



(+)-Biotin    Thiolactone    Lactone    Desymmetrization

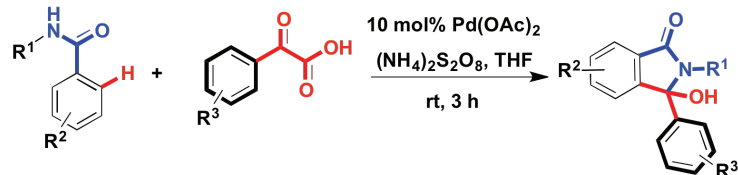
**552 Synthesis of Novel Benzofuro-Fused Thiazolo[3,2-a]-pyrimidinones via Pictet-Spengler Reaction**

Dao-Lin Wang,\* Dong Wang, Jian-Hua Qiang, and Lin Liu


 7-(Chloromethyl)-5*H*-thiazolo[3,2-*a*]pyrimidin-5-one    Thorpe-Ziegler Reaction    Pictet-Spengler Reaction

**560 Room-Temperature One-Pot Palladium-Catalyzed Synthesis of 3-Hydroxyisoindolin-1-ones from Phenylglyoxylic Acids**

Menglei Yuan, Yu Sun, Hui Yan, Jinxiong Wu, Gaofeng Ma, Feng Li, Siyu Miao, Mengyao Hao, and Na Li\*



Pd-Catalyzed Reaction    Phenylglyoxylic Acid    Benzamide    3-Hydroxyisoindolin-1-one    One-Pot Synthesis

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

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- 573 Polyketides
  - 576 Aromatics
  - 582 Terpenes
  - 585 Alkaloids
- 

■ BRUSH UP YOUR HETEROCYCLES

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- 591 Brush Up Your Heterocycles
-

## Contributors To This Issue

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511	Huang, Peng
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