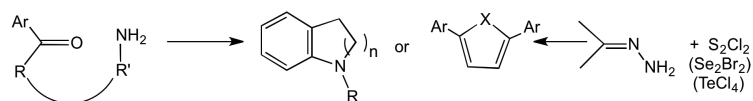


■ REVIEW

 1335 **Synthesis of Nitrogen Containing Heterocycles by Using Carbon-Nitrogen Double Bond**

Kentaro Okuma*

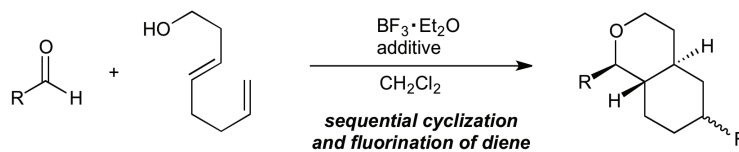


Imine Intramolecular Cyclization Hydrazone Chalcogen One-Pot Synthesis

■ COMMUNICATIONS

 1363 **Lewis Acid Promoted Prins Cyclization Using Non-Conjugated Diene Alcohol: Sequential Reactions Terminated by Fluoride Ion**

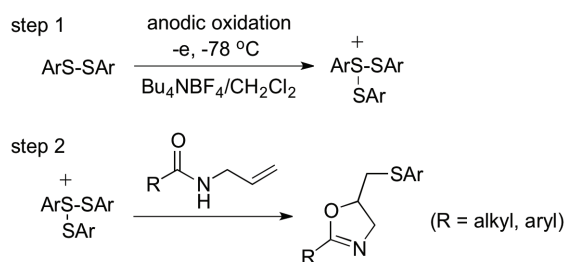
Kouichi Matsumoto,* Rina Yanagi, Kouji Yamaguchi, Erin Hayashi, Eri Yasuda, Kaho Kuriyama, Toshiki Nokami, Keiji Nishiwaki, and Shigenori Kashimura



Prins Cyclization Sequential Cyclization Fluorination Lewis Acid

 1373 **Synthesis of Oxazolines from N-Allylamides Using an Electrochemically Generated ArS(ArSSAr)⁺ Pool**

Yu Miyamoto, Naoya Mitani, Rina Yanagi, Shigenori Kashimura, Seiji Suga, Jun-ichi Yoshida,* and Kouichi Matsumoto*

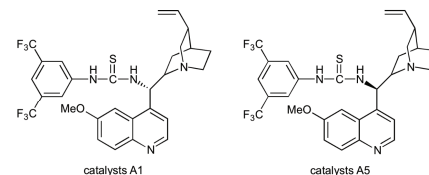
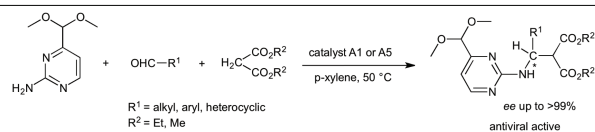


Electrochemistry Oxazoline Sulfur Episulfonium Ion Cyclization

■ PAPERS

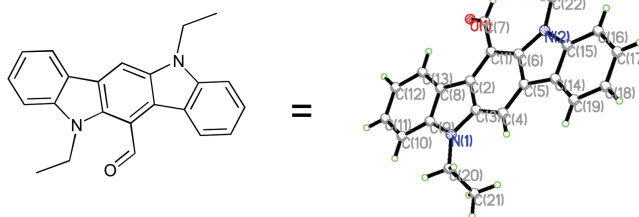
1383 Cinchona Alkaloid Thiourea-Catalyzed One-Pot Synthesis and Bioselective Activities of β -Amino Acid Ester Derivatives Containing a Pyrimidine Moiety

Song Bai,* Shan Liu, Yuning Zhu, Xian Wei, Kunhong Zhao, Weihua Li, and Qin Wu*


 Pyrimidine Moiety β -Amino Acid Ester Derivative Chiral Organocatalyst One-Pot Synthesis Anti-Tobacco Mosaic Virus Activity

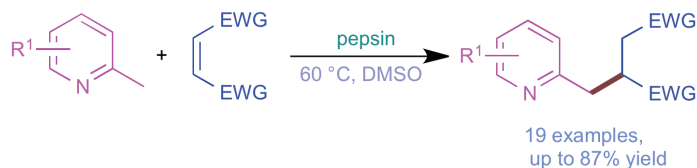
1398 5,11-Diethyl-6-formylindolo[3,2-*b*]carbazole: Crystal, Interaction with Protein and Theoretical Study

Yingchun Gu, Dayong Lin, Xuening Fei,* Lei Zhang, Cuihong Wang, Qi Yang, Shiyang Liu, Xueling Ren, and Ran Zhang


 5,11-Diethyl-6-formylindolo[3,2-*b*]carbazole Crystal Structure Protein Spectral Property Theoretical Study

1410 Benzylic sp^3 C-H Functionalization Reaction of 2-Methylazaarenes Catalyzed by Pepsin

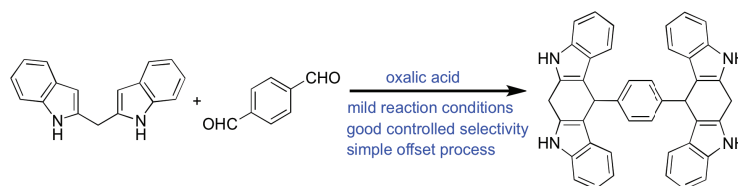
Feng Ai, Guo-Qing Chen, Jiu-Jian Ji, Zhi-Qiang Zhu, Zhang-Gao Le,* and Zong-Bo Xie*


 Biocatalysis Benzylic sp^3 C-H Functionalization Reaction 2-Methylazaarene Electron-Deficient Olefin Pepsin

■ SHORT PAPERS

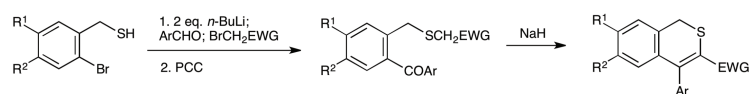
1421 A Facile Synthesis of Indolo[2,3-*b*]carbazoles from the Reaction of Di(2-indolyl)methane and Aromatic Aldehydes Catalyzed by Oxalic Acid

Chun Li, Xunhua Lu, Yuanyong Yang, and Lin Zhang*


 Indolo[2,3-*b*]carbazole Oxalic Acid Aromatic Aldehyde Green Synthesis

1430 A Facile Synthesis of 4-Aryl-1*H*-2-benzothiopyran-3-carboxylic Acid Derivatives from *o*-Bromobenzyl Mercaptans

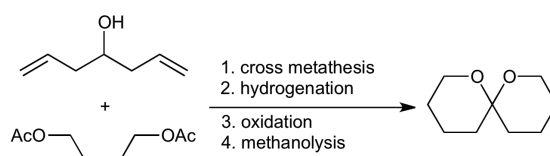
Kazuhiro Kobayashi,* Syunta Furugaki, and Takuma Ueyama


 $R^1 = \text{H, Cl, OMe}; R^2 = \text{H, OMe}; \text{EWG} = \text{CO}_2t\text{-Bu, CN}$

 1*H*-2-Benzothiopyran Isothiochromene *o*-Bromobenzyl Mercaptan Lithium *o*-Lithiobenzyl Mercaptide Ring Closure

1441 A New Short Synthesis of (\pm)-Olean through Cross Metathesis

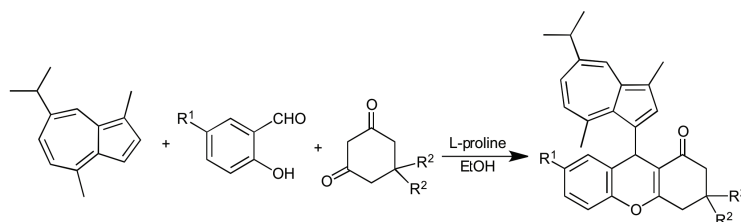
Nektarios S. Kranidiotis, Constantinos E. Grammatoglou, and John K. Gallos*



1,7-Dioxaspiro[5.5]undecane Cross Metathesis Pheromone

1445 An Efficient Construction of 9-(Guaiazulen-1-yl)xanthen-4(9*H*)-ones via Domino Reaction

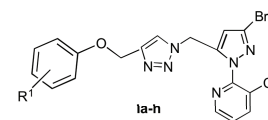
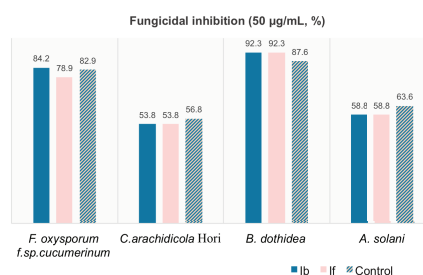
Yu Liu, Jiao Xu,* Dao-Lin Wang,* Wei Ma, and Xing-Wei Zhang



Guaiazulene Xanthene Salicylaldehyde 1,3-Hexanedione Domino Reaction

1453 Synthesis and Bioactivities Evaluation of Novel *N*-Pyridylpyrazole Derivatives with 1,2,3-Triazole and Quinazolin-4(3*H*)-one Substructures

Wei Wei, Liangliang Zhu, Yunyun Zhou,* and Zhengming Li*


N-Pyridylpyrazole 1, 2, 3-Triazole Quinazolinone Antifungal Agent

■ TOTAL SYNTHESIS OF HETEROCYCLIC NATURAL PRODUCTS

- 1463 Polyketides
 - 1467 Aromatics
 - 1470 Terpenes
 - 1477 Alkaloids
 - 1487 Miscellaneous
-

■ BRUSH UP YOUR HETEROCYCLES

- 1489 Brush Up Your Heterocycles
-

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 1410 Zhu, Zhi-Qiang