

Vol. 55 • Issue 44 • 29 October 2014 • ISSN 0040-4039

Tetrahedron Letters

THE INTERNATIONAL JOURNAL FOR THE RAPID PUBLICATION OF ALL
PRELIMINARY COMMUNICATIONS IN ORGANIC CHEMISTRY

FM
T39/i



ELSEVIER

Available online at www.sciencedirect.com

ScienceDirect

Tetrahedron Letters Vol. 55, Issue 44, 2014

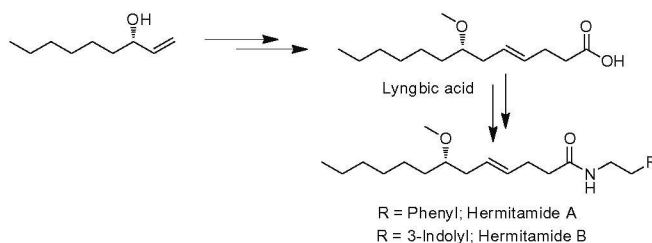
Contents

COMMUNICATIONS

A concise total synthesis of lyngbic acid, hermitamides A and B

pp 6027–6029

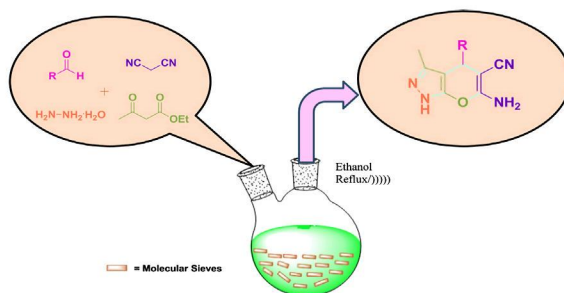
S. Satyanarayana, B. V. Subba Reddy, R. Narender*



Molecular sieves: an efficient and reusable catalyst for multi-component synthesis of dihydropyrano[2,3-C]pyrazole derivatives

pp 6030–6033

Jitendra B. Gujar, Mahendra A. Chaudhari, Deepak S. Kawade, Murlidhar S. Shingare*



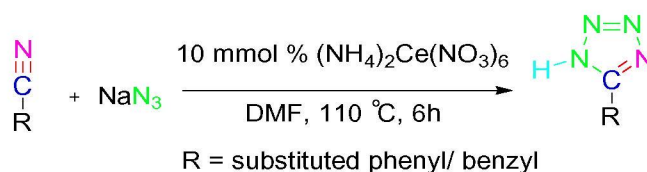
An efficient synthesis of dihydropyrano[2,3-C]pyrazole derivatives catalyzed by molecular sieves in ethanol under reflux and ultrasound irradiation has been described. The efficiency of catalyst has been compared with other aluminates and silicate based catalyst in order to optimize the best catalyst for the said organic transformation. This protocol is very useful due to easy recovery of catalyst and its reusability, short reaction time, excellent yields, and avoidance of environmentally hazardous solvents.



(NH₄)₂Ce(NO₃)₆ as an inexpensive, eco-friendly, efficient catalyst for the synthesis of 5-substituted 1-H tetrazoles from nitriles

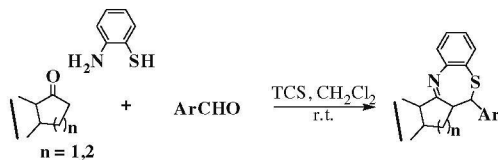
pp 6034–6038

Satyanand Kumar, Shristy Dubey, Nisha Saxena, Satish Kumar Awasthi*



A new and facile tetrachlorosilane-promoted one-pot condensation for the synthesis of a novel series of tetracyclic 1,5-thiazepines pp 6039–6041

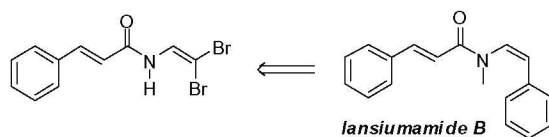
Tamer K. Khatab*, Khairy A. M. El-Bayouki, Wahid M. Basyouni



Total synthesis of lansiumamides A and B and alatamide

pp 6042–6043

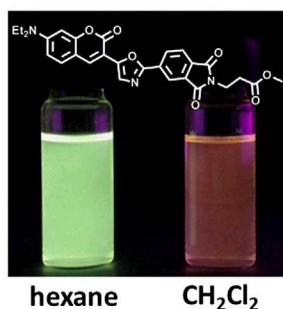
Adele E. Pasqua, Frank D. Ferrari, James J. Crawford, Rodolfo Marquez*



Synthesis and fluorescence properties of environment-sensitive 7-(diethylamino)coumarin derivatives

pp 6044–6047

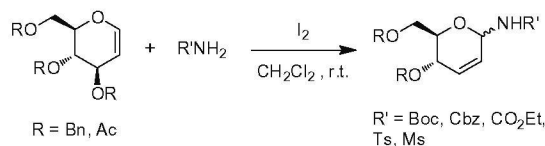
Stane Pajk*



Aza-Ferrier rearrangement of glycals with amides promoted by molecular iodine

pp 6048–6050

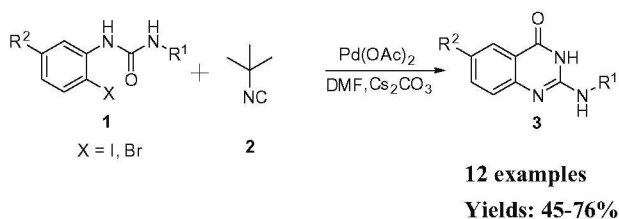
Zubeda Begum, Ch. Kishore, V. Veerabhadra Reddy, B. V. Subba Reddy*



Ligand-free palladium assisted insertion of isocyanides to urea derivatives for cascade synthesis of phenylamino-substituted quinazolinones

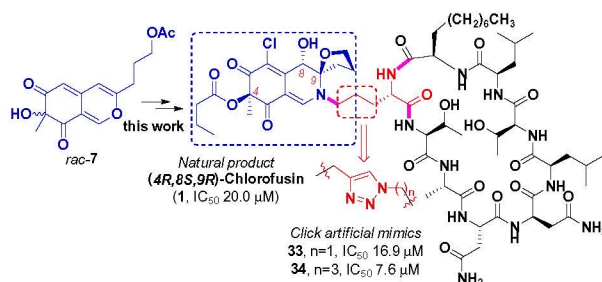
pp 6051–6054

Siddharth Sharma*, Abhilasha Jain

**Unified flexible total synthesis of chlorofusin and artificial Click mimics as antagonists against p53–HDM2 interactions**

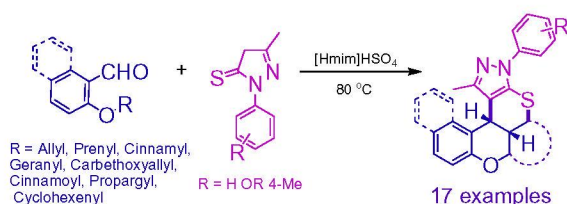
pp 6055–6059

Hai-Bo Qiu, Xin-Ya Chen, Qing Li, Wen-jian Qian, Shun-Ming Yu, Gong-Li Tang, Zhu-Jun Yao*

**An efficient synthesis of some thiopyranopyrazole-heterocycles via domino reaction in a Brønsted acidic ionic liquid**

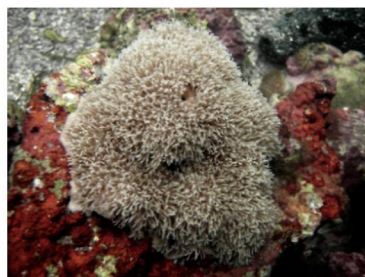
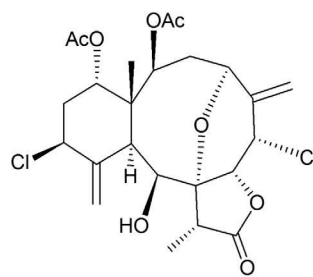
pp 6060–6064

Narsidas J. Parmar*, Bhagyashri D. Parmar, Tushar R. Sutariya, Rajni Kant, Vivek K. Gupta

**Briarenolide J, the first 12-chlorobriarane diterpenoid from an octocoral *Briareum* sp. (Briareidae)**

pp 6065–6067

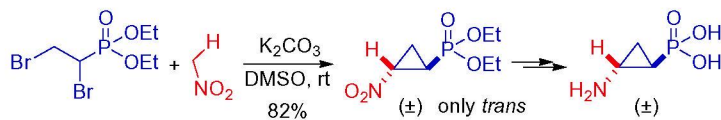
Yin-Di Su, Ching-Hsiao Cheng, Wu-Fu Chen, Yu-Chia Chang, Yu-Hsin Chen, Tsong-Long Hwang, Zhi-Hong Wen, Wei-Hsien Wang, Lee-Shing Fang, Jih-Jung Chen, Yang-Chang Wu, Jyh-Horng Sheu*, Ping-Jyun Sung*

*Briareum* sp.

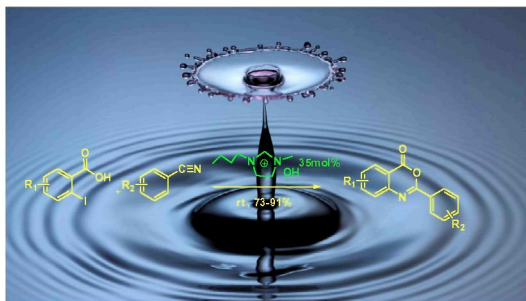
Briarenolide J

Cyclopropanation of 1,2-dibromoethylphosphonate: a synthesis of β -aminocyclopropylphosphonic acid and derivatives pp 6068–6071

Nicolas Rabasso, Antoine Fadel*

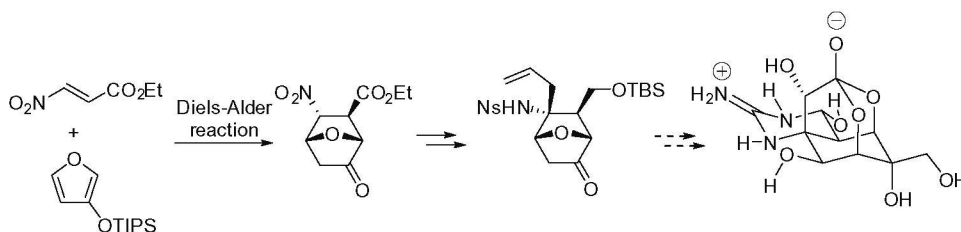
**[bmlm]OH: an efficient basic catalyst for the synthesis of 4*H*-benzo[*d*][1,3]-oxazin-4-one derivatives in solvent-free conditions** pp 6072–6076

Malik Abdul Waseem, Shireen*, Anjali Srivastava, Arjita Srivastava, Rahila*, I. R. Siddiqui*

**Toward the total synthesis of tetrodotoxin: stereoselective construction of the 7-oxanorbornane intermediate**

pp 6077–6080

Atsushi Manabe, Yasufumi Ohfuné, Tetsuro Shinada*

**Au(I)/Ag(I)-catalyzed annulation of sugar aldehyde tethered with 3-phenylprop-2-yn-1-yl ether with aryl amines for the pyrano[4,3-*b*]quinoline derivatives**

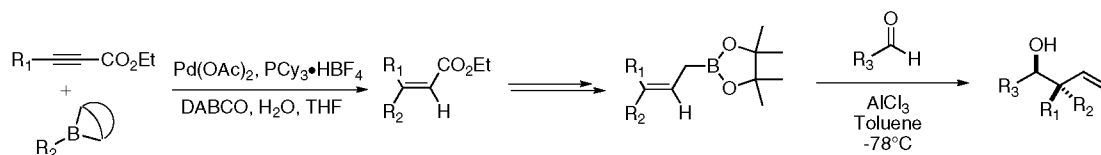
pp 6081–6084

B. V. Subba Reddy*, Nilanjan Majumder, B. Sridhar



Highly diastereoselective generation of various 3,3-disubstituted allyl boronates for the stereospecific construction of quaternary centers

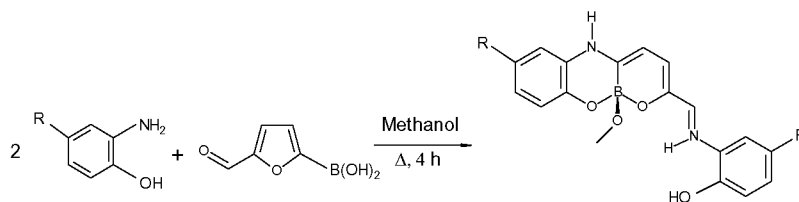
Robyn Aryn Biggs, Maria Lambadaris, William W. Ogilvie*



Isolation and characterization of luminescent bicyclic boronates based on furan ring-opening reactions from 5-formyl-2-furanboronic acid

pp 6088–6092

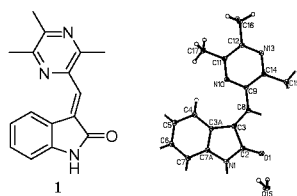
Victoria E. González, Felipe Medrano, Mario Rodríguez, Pascal G. Lacroix, Victor Barba*



Colletotrichumine A, a novel indole-pyrazine alkaloid with an unprecedented C₁₆N₃-type skeleton from cultures of *Colletotrichum capsici*

pp 6093–6095

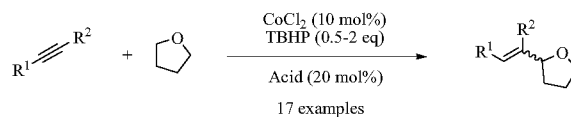
Zhengxi Hu, Jianping Wang, Xiaobin Bi, Jinwen Zhang, Yongbo Xue*, Yingda Yang, Zengwei Luo, Guangmin Yao, Yonghui Zhang*



Cobalt-catalyzed direct C–C bond formation between tetrahydrofuran and alkynes

pp 6096–6100

Li Chen, Jiajia Yang, Lin Li, Zhiqiang Weng, Qiang Kang*



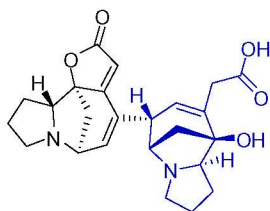
We aimed to describe an efficient CoCl₂-catalyzed direct C–C bond formation of tetrahydrofuran (THF) with various alkynes in the presence of *tert*-butyl hydroperoxide and catalytic amount of acid to obtain vinyl-substituted THFs. Mono- and di-substituted alkynes were suitable for this transformation.



Fluevirines A–D, four new securinega-type alkaloids from *Flueggea virosa*

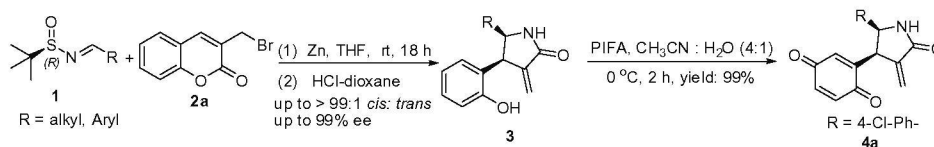
pp 6101–6104

Xiao-Hui Li, Ming-Ming Cao, Yu Zhang, Shun-Lin Li, Ying-Tong Di*, Xiao-Jiang Hao*

**Novel one-pot asymmetric cascade approach toward densely substituted enantioenriched α -methylene- γ -lactams**

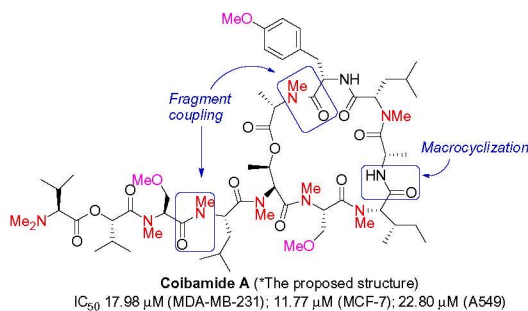
pp 6105–6108

Yu Tan, Xiao-Di Yang*, Wen-Jie Liu, Xing-Wen Sun*

**Total synthesis of proposed structure of coibamide A, a highly N- and O-methylated cytotoxic marine cyclodepsipeptide**

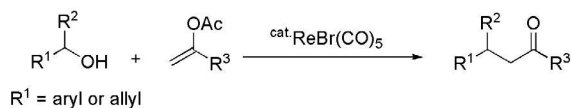
pp 6109–6112

Wei He, Hai-Bo Qiu, Yi-Jie Chen, Jie Xi, Zhu-Jun Yao*

**Rhenium complex-catalyzed coupling reaction of enol acetates with alcohols**

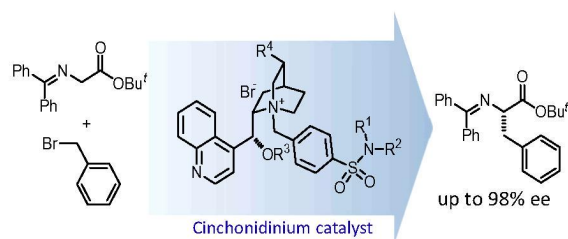
pp 6113–6116

Rui Umeda, Yuuki Takahashi, Yutaka Nishiyama*

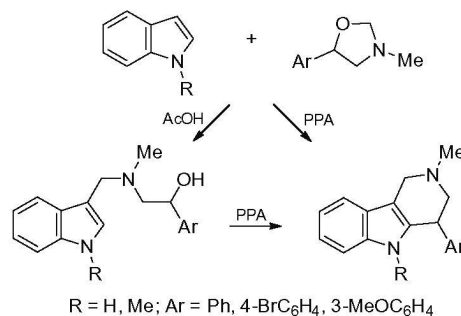


Synthesis of cinchonidinium salts containing sulfonamide functionalities and their catalytic activity in asymmetric alkylation reactions pp 6117–6120

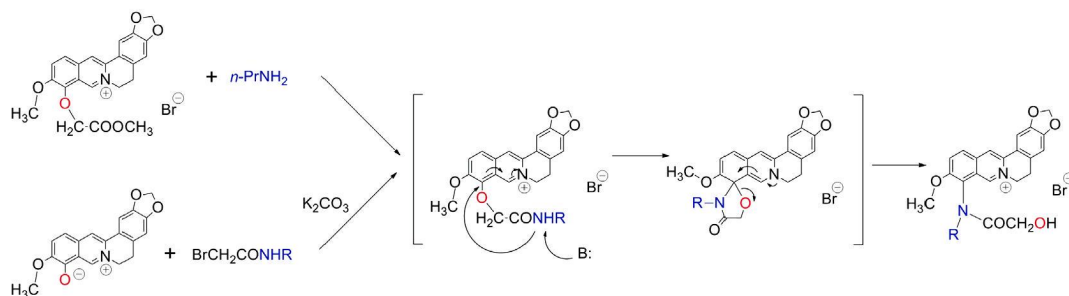
Shinichi Itsuno*, Shunya Yamamoto, Shohei Takata

**A one-pot synthesis of 4-aryl-2-methyl-1,2,3,4-tetrahydro- γ -carbolines from 5-aryloxazolidines and indoles via a Mannich/Friedel–Crafts sequence** pp 6121–6124

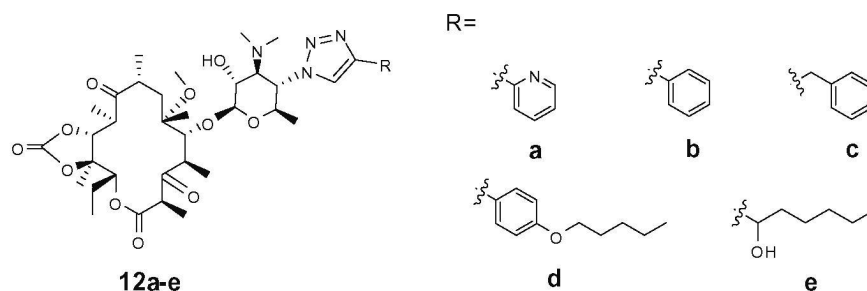
Vladimir S. Moshkin*, Vyacheslav Y. Sosnovskikh

**Smiles rearrangements in a series of berberine analogues containing a secondary acetamide fragment** pp 6125–6127

Ivan V. Nechepurenko*, Nina I. Komarova, Andrey V. Shernyukov, Vladimir G. Vasiliev, Nariman F. Salakhutdinov

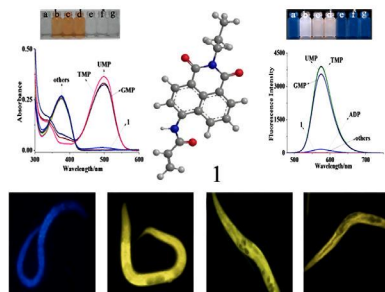
**Synthesis of several novel 14-membered ketolides bearing modified 5-*O*-4'-[1,2,3] triazol desosamine side chain** pp 6128–6130

Xiaozhuo Chen, Yanpeng Xu, Zehui Zhao, Pingsheng Lei*

Five novel 14-membered ketolides **12a-e** bearing modified 5-*O*-4'-[1,2,3] triazol desosamine side chain were synthesized.

1,8-Naphthalimide-based colorimetric and fluorescent sensor for recognition of GMP, TMP, and UMP and its application in *in vivo* imaging

Li Mei Zhang, Lin E. Guo, Xue Mei Li, Yong Gang Shi, Gao Fen Wu, Xiao Guang Xie, Ying Zhou*, Qi Hua Zhao*, Jun Feng Zhang*



*Corresponding author

Supplementary data available via ScienceDirect

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database Scopus®. Full text available on ScienceDirect®

Available online at www.sciencedirect.com**ScienceDirect**

ISSN 0040-4039