

NU  
TBg/1



ELSEVIER

Vol. 55 · Issue 28 · 9 July 2014 · ISSN 0040-4039

# Tetrahedron Letters

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

Available online at [www.sciencedirect.com](http://www.sciencedirect.com)

**ScienceDirect**

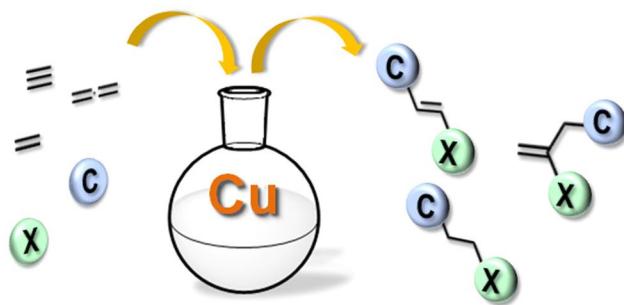
**Tetrahedron Letters Vol. 55, Issue 28, 2014**

**Contents**

**DIGEST PAPERS**

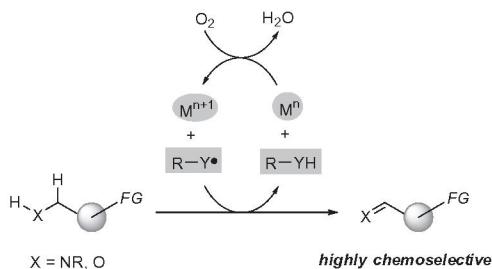
- Recent progress in copper-catalyzed difunctionalization of unactivated carbon–carbon multiple bonds**  
Yohei Shimizu\*, Motomu Kanai\*

pp 3727–3737



- Chemoselective aerobic oxidation catalyzed by a metal/stable organoradical redox conjugate**  
Yohei Seki, Kounosuke Oisaki\*, Motomu Kanai\*

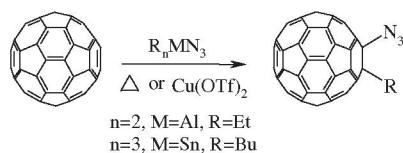
pp 3738–3746



**COMMUNICATIONS**

- Reactions of fullerene C<sub>60</sub> with organometallic azides**  
Arslan R. Akhmetov\*, Ildar R. Yarullin, Airat R. Tuktarov, Usein M. Dzhemilev

pp 3747–3749



**Simple and convenient synthesis of fluoroalkenes via direct coupling of alcohols, alkynes and fluoroboric acid under metal-free conditions**

pp 3750–3752

Xiao-wei Yan, Qiang Zhang\*, Wei Wei, Jian-xin Ji\*



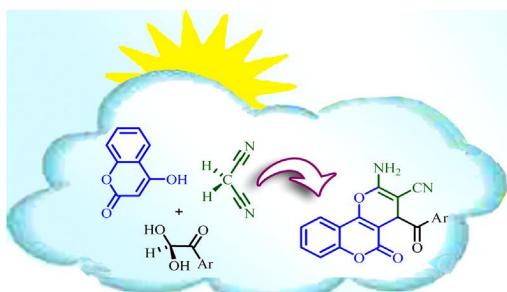
A novel and convenient method for the synthesis of fluoroalkenes from simple starting materials has been developed under mild and metal-free conditions.



**Synthesis of new 4-aryl-pyrano[*c*]chromenes via a one-pot, three-component reaction based on aryl glyoxals**

pp 3753–3755

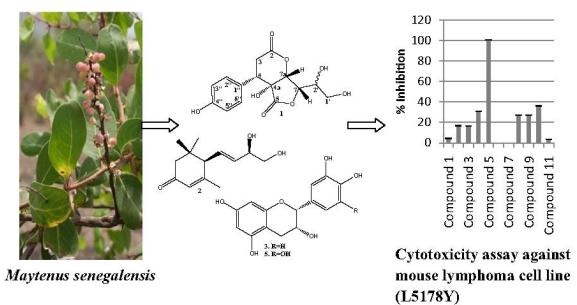
Saeed Khodabakhshi, Bahador Karami\*, Khalil Eskandari, Mahnaz Farahi



**A phenyldilactone, bisnorsesquiterpene, and cytotoxic phenolics from *Maytenus senegalensis* leaves**

pp 3756–3760

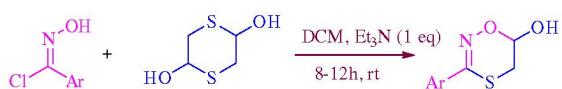
Festus Basden Chiedu Okoye\*, Abdessamad Debbab, Victor Wray, Charles Okechukwu Esimone, Patience Ogoamaka Osadebe, Peter Proksch\*



**Novel domino reactions for the efficient synthesis of 5,6-dihydro-1,4,2-oxathiazines**

pp 3761–3764

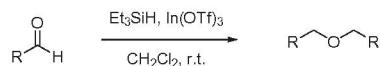
Sundaravel Vivek Kumar, Subbu Perumal\*



**Reductive coupling reaction of aldehydes using indium(III) triflate as the catalyst**

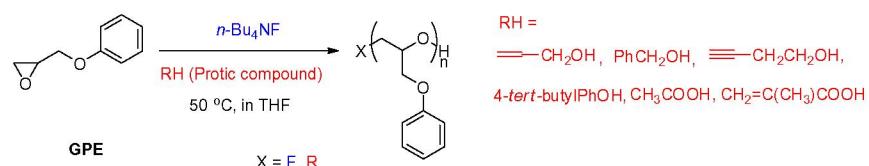
pp 3765–3767

Tomoko Mineno\*, Rie Tsukagoshi, Tsubasa Iijima, Kazuki Watanabe, Hiroyuki Miyashita, Hitoshi Yoshimitsu

**Metal-free synthesis of reactive oligomers by ring-opening oligomerization of glycidyl phenyl ether initiated with tetra-*n*-butylammonium fluoride in the presence of various protic compounds**

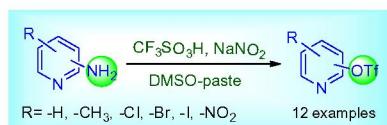
pp 3768–3770

Hisatoyo Morinaga\*, Fumiya Tsuneishi, Seiya Taniguchi, Genta Kawakami

**A new synthesis of pyridinyl trifluoromethanesulfonates via one-pot diazotization of aminopyridines in the presence of trifluoromethanesulfonic acid**

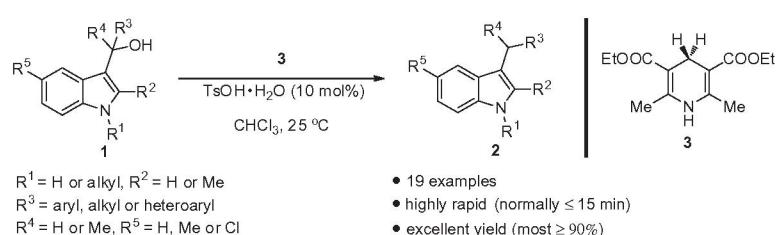
pp 3771–3773

Elena A. Krasnokutskaya\*, Assiya Zh. Kassanova, Makpal T. Estaeva, Victor D. Filimonov\*

**A highly efficient route to C-3 alkyl-substituted indoles via a metal-free transfer hydrogenation**

pp 3774–3776

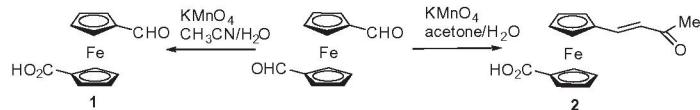
Cai Chen, Huan-Xi Feng, Zhi-Long Li, Pin-Wen Cai, Yan-Kai Liu\*, Lian-Hai Shan, Xian-Li Zhou\*



## A simple method for desymmetrizing 1,1'-ferrocenedicarboxaldehyde

pp 3777-3780

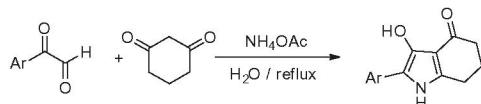
Andrew C. Benniston\*, Dumitru Sirbu, Constantin Turta, Michael R. Probert, William Clegg



## **A convenient and mild synthesis of new 2-aryl-3-hydroxy-6,7-dihydro-1*H*-indol-4(5*H*)-ones via a one-pot, three-component reaction in water**

pp 3781-3783

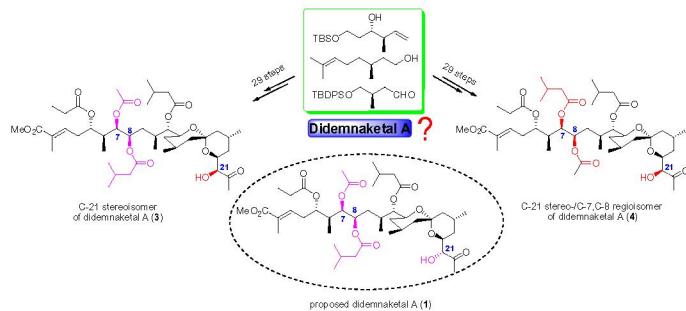
Jabbar Khalafy\*, Nasser Ettivand, Shadi Dilmaghani, Mahnaz Ezzati, Ahmad Poursattar Marjani



#### Towards the real didemnaketal A: total syntheses of two C-21 stereoisomers of the proposed didemnaketal A

pp 3784–3787

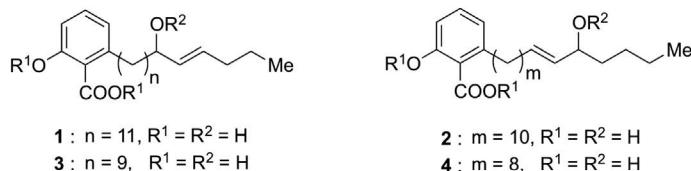
Fu-Min Zhang\*, Yong-Qiang Tu



## Four new ginkgolic acids from *Ginkgo biloba*

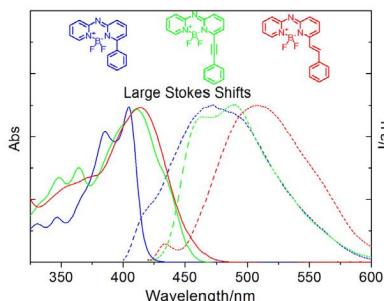
pp 3788–3791

Jun Deguchi, Yuki Hasegawa, Ayana Takagi, Shihoko Kutsukake, Mizue Kono, Yusuke Hirasawa, Chin Piow Wong, Toshio Kaneda, Hiroshi Morita\*



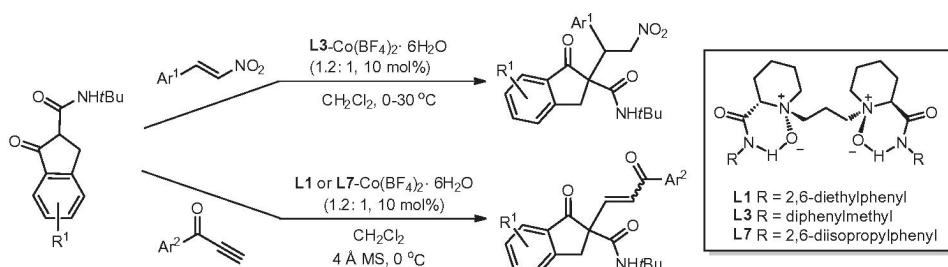
**Asymmetrical aza-boron-dipyridomethene derivatives with large Stokes shifts: synthesis and spectroscopic properties pp 3792–3796**

Yuan Deng, Yuan-yuan Cheng, Hui Liu, John Mack, Hua Lu\*, Long-guan Zhu\*

**Chiral Co(II) complex catalyzed asymmetric Michael reactions of  $\beta$ -ketoamides to nitroolefins and alkynes pp 3797–3801**

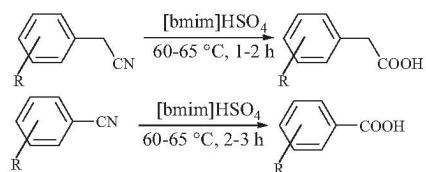
Zuliang Zhang, Xiaohua Liu\*, Zhen Wang, Xiaohu Zhao, Lili Lin, Xiaoming Feng\*

pp 3797–3801

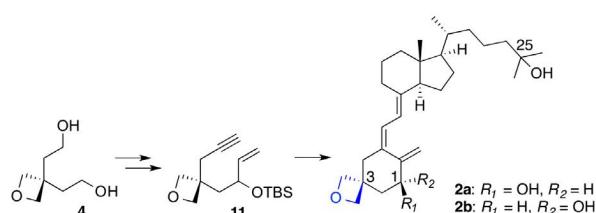
**An efficient one pot method for synthesis of carboxylic acids from nitriles using recyclable ionic liquid [bmim]HSO<sub>4</sub> pp 3802–3804**

Satyanand Kumar, Sandeep Kumar Dixit, Satish Kumar Awasthi\*

pp 3802–3804

Environmentally benign ionic liquid [bmim]HSO<sub>4</sub> was found suitable for conversion of nitriles into carboxylic acids under mild conditions with excellent purity.**Concise synthesis and characterization of novel seco-steroids bearing a spiro-oxetane instead of a metabolically labile C3-hydroxy group pp 3805–3808**

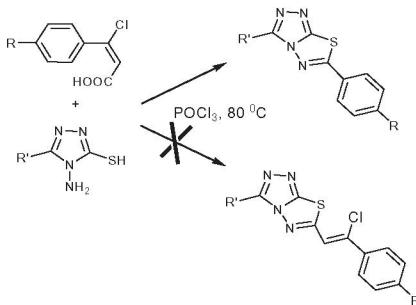
Toshie Fujishima\*, Tsutomu Suenaga, Takato Nozaki



**Unprecedented conversion of (Z)-3-chloro-3-arylacrylic acids to benzoic acids: synthesis of *s*-triazolo[3,4-*b*][1,3,4]thiadiazoles**

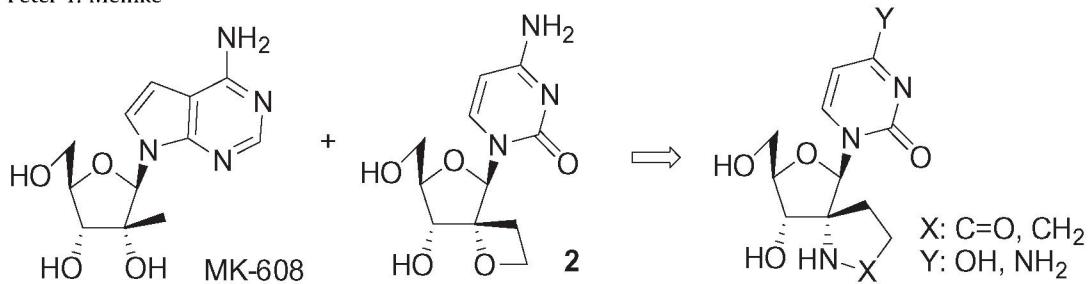
pp 3809–3812

Seema Sahi, Madhvi Bhardwaj, Satya Paul\*



**Syntheses of nucleosides with 2'-spirolactam and 2'-spiropyrrolidine moieties as potential inhibitors of hepatitis C virus NS5B polymerase** pp 3813–3816

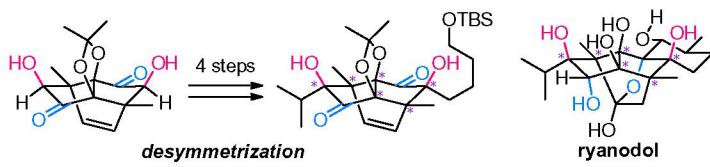
Qun Dang\*, Zhibo Zhang, Bingyu Tang, Yang Song, Ling Wu, Tongqian Chen, Stephane Bogen, Vinay Girijavallabhan, David B. Olsen, Peter T. Meinke



**Studies in symmetry-driven synthesis of ryanodol: application of nucleophilic alkynylation for regio- and stereoselective desymmetrization**

pp 3817–3819

Koji Hagiwara, Daisuke Urabe, Masayuki Inoue\*



\*Corresponding author

i+ 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