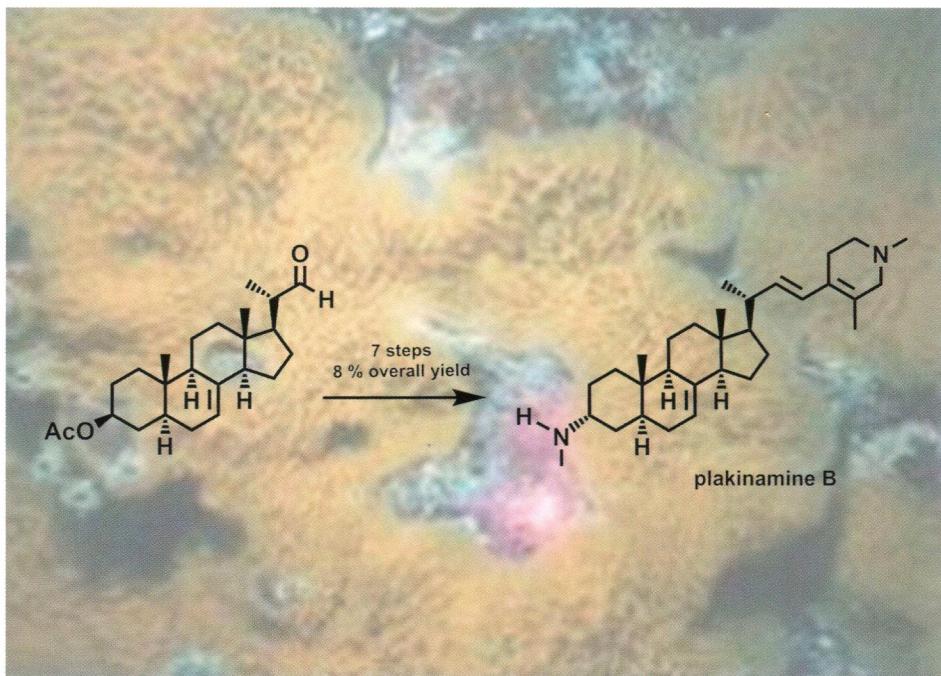


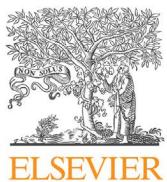
Tetrahedron

THE INTERNATIONAL JOURNAL FOR THE RAPID PUBLICATION OF FULL
ORIGINAL RESEARCH PAPERS AND CRITICAL REVIEWS IN ORGANIC CHEMISTRY

IN THIS ISSUE

First total synthesis of the marine steroid alkaloid plakinamine B





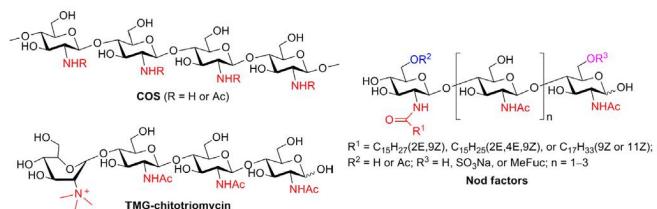
Tetrahedron Vol. 70, Issue 5, 2014

Contents

REPORT

Recent advances in the synthesis of chitooligosaccharides and congeners
You Yang*, Biao Yu*

pp 1023–1046



ARTICLES

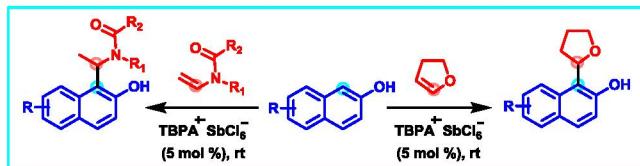
Three-component domino reaction synthesis of highly functionalized bicyclic pyrrole derivatives
Xue-Bing Chen, Xiao-Ying Wang, Dan-Dan Zhu, Sheng-Jiao Yan*, Jun Lin*

pp 1047–1054



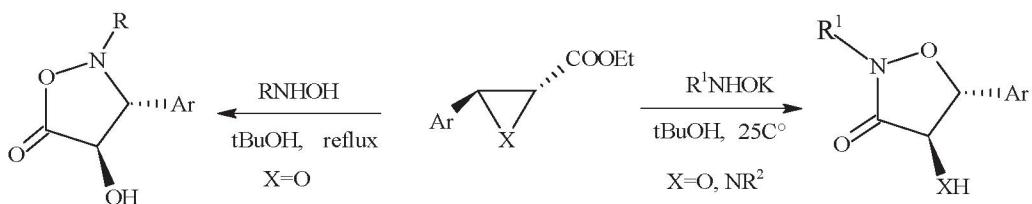
Friedel–Crafts alkylation of 2-naphthols with enamides and enethers induced by catalytic amount of triarylammonium salt pp 1055–1059

Congde Huo*, Lisheng Kang, Xiaolan Xu, Xiaodong Jia, Xicun Wang, Yong Yuan, Haisheng Xie



Regioselective ring opening of β -phenylglycidate and aziridine-2-carboxylates with *N*-alkylhydroxylamines: synthesis of isoxazolidinones pp 1060–1064

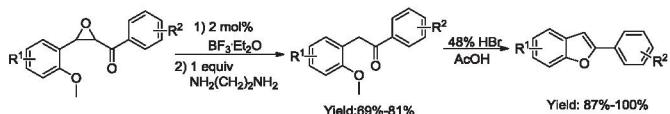
Mohamed Ali Tabarki, Rafaa Besbes*



An efficient approach to construct 2-arylbenzo[*b*]furans from 2-methoxychalcone epoxides

pp 1065–1070

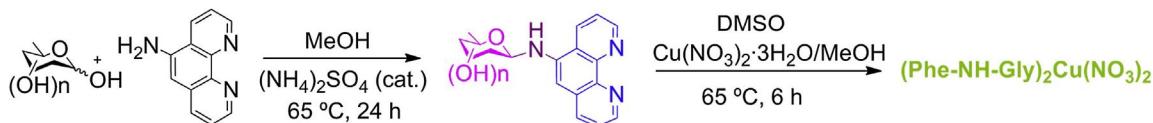
Libo Ruan, Min Shi, Shiwei Mao, Lifang Yu, Fan Yang*, Jie Tang*



***N*-Phenanthroline glycosylamines: synthesis and copper(II) complexes**

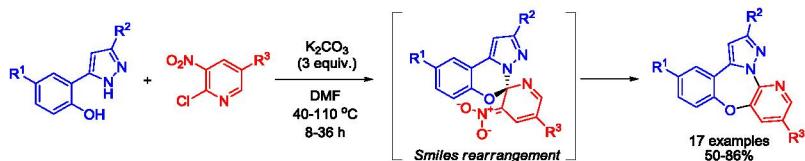
pp 1071–1076

Katerina Duskova, Lourdes Gude, María-Selma Arias-Pérez*



New tetracyclic 1,4-oxazepines constructed via practically simple tandem condensation strategy from readily available synthons pp 1077–1083

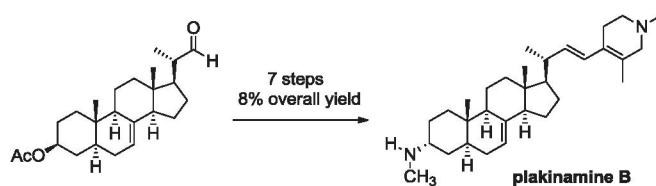
Alexander V. Sapegin, Stanislav A. Kalinin, Alexey V. Smirnov, Mikhail V. Dorogov, Mikhail Krasavin*



First total synthesis of the marine steroid alkaloid plakinamine B

Markus Gans, Franz Bracher*

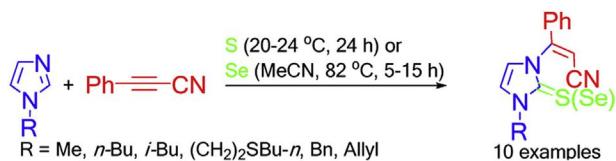
pp 1084–1090



Three-component reaction of imidazoles, cyanophenylacetylene, and chalcogens: stereoselective synthesis of 3-alkenyl-2-imidazolethiones and -selones

pp 1091–1098

Kseniya V. Belyaeva, Ludmila V. Andriyankova, Lina P. Nikitina, Anastasiya G. Mal'kina, Andrei V. Afonin, Igor' A. Ushakov, Irina Yu. Bagryanskaya, Boris A. Trofimov*



CORRIGENDUM

Corrigendum to “Chemical and genetic diversity of *Ligularia virgaurea* collected in northern Sichuan and adjacent areas of China. Isolation of thirteen new compounds” [Tetrahedron 68 (2012) 10011–10029]

p 1099

Yoshinori Saito, Yuriko Takashima, Aya Kamada, Yurika Suzuki, Midori Suenaga, Yasuko Okamoto, Yoichi Matsunaga, Ryo Hanai, Takayuki Kawahara, Xun Gong, Motoo Tori, Chiaki Kuroda*

COVER

The steroid alkaloid plakinamine B was isolated from the marine sponge *Plakina sp.* by Rosser and Faulkner in 1984. The first total synthesis of this alkaloid has been achieved in 7 steps in 8% overall yield from a readily available intermediate. Plakinamine B exhibits potent antifungal and antibacterial activity.

*Corresponding author

 ⁺ Supplementary data available via ScienceDirect

Available online at www.sciencedirect.com

ScienceDirect

Full text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.

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



ISSN 0040-4020