



Tetrahedron Vol. 65, Issue 39, 2009

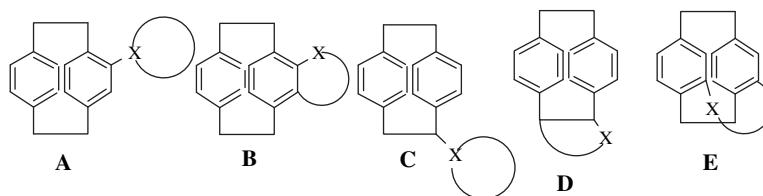
Contents

REPORT

Asymmetric and fused heterocycles based on [2.2]paracyclophane

Ashraf A. Aly*, Alan B. Brown

pp 8055–8089

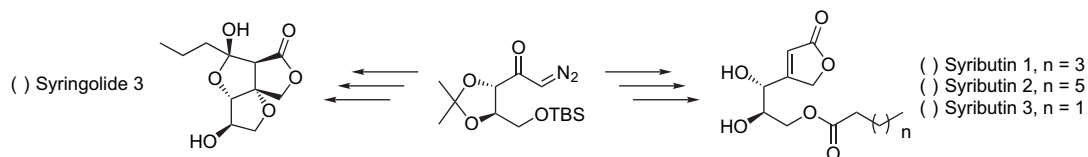


ARTICLES

Total syntheses of (+)- and (–)-syringolides 3 and of (+)- and (–)-syributins 1, 2 and 3

Mauricio Navarro Villalobos*, John L. Wood, Susan Jeong, Cristy Lindberg Benson, Steven M. Zeman, Catherine McCarty, Matthew M. Weiss, Analee Salcedo, Jonathan Jenkins

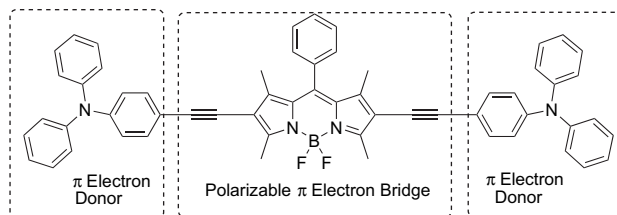
pp 8091–8098



Long-wavelength boradiazaindacene derivatives with two-photon absorption activity and strong emission: versatile candidates for biological imaging applications

pp 8099–8103

Dakui Zhang, Yaochuan Wang, Yi Xiao*, Shixiong Qian*, Xuhong Qian*



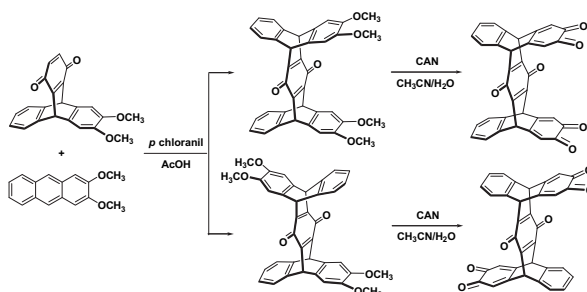
In THF: $\lambda_{\text{SPEC}} = 659 \text{ nm}$ $\phi = 0.31$
 $\lambda_{\text{TPE}} = 687 \text{ nm}$ $\sigma = 60 \text{ GM}$



Synthesis, structures, and properties of peripheral *o*-dimethoxy-substituted pentiptycene quinones and their *o*-quinone derivatives

pp 8104–8112

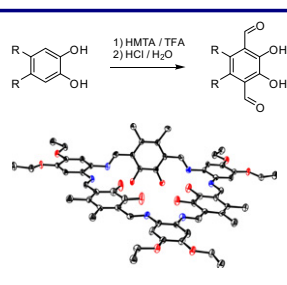
Jing Cao, Hai Yan Lu, Chuan Feng Chen*



Highly substituted Schiff base macrocycles via hexasubstituted benzene: a convenient double Duff formylation of catechol derivatives

pp 8113–8119

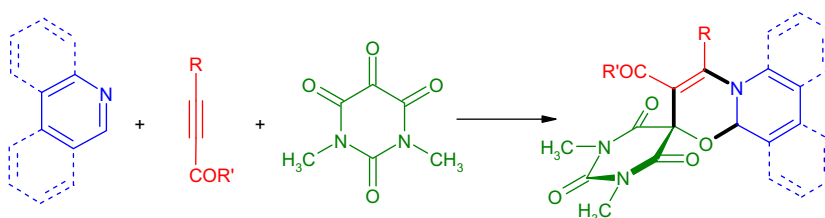
Kevin E. Shopsowitz, David Edwards, Amanda J. Gallant, Mark J. MacLachlan*



An efficient three-component protocol for the synthesis of novel spiro-oxazinobarbiturates

pp 8120–8124

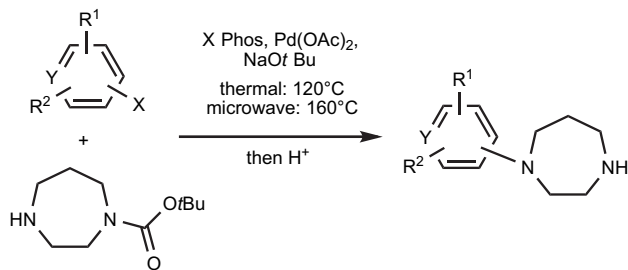
Mohammad Bagher Teimouri*, Tayyebeh Abbasi, Saloomeh Ahmadian, Mohammad Reza Poor Heravi, Reihaneh Bazhrang



An improved synthesis of *N*-aryl and *N*-heteroaryl substituted homopiperazines—from conventional thermal conditions to scaling-up using microwave heating

pp 8125–8131

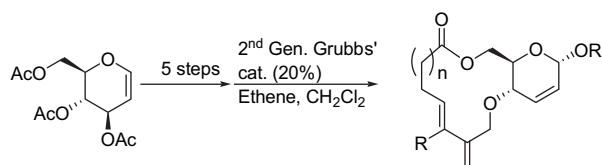
Uwe Schön*, Josef Messinger, M. Buckendahl, M.S. Prabhu, A. Konda*



Synthesis of macrocyclic scaffolds suitable for diversity-oriented synthesis of macrolides

pp 8132–8138

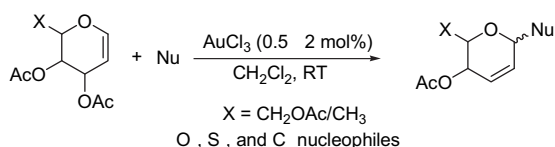
Michael E. Grimwood, Henrik C. Hansen*



Scope of AuCl_3 in the activation of per-*O*-acetylglycals

pp 8139–8142

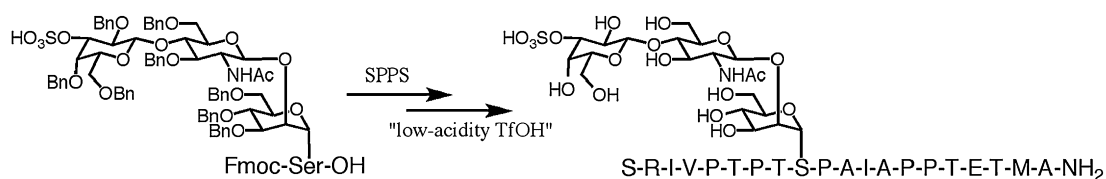
Rengarajan Balamurugan*, Srinivasa Rao Koppolu



Solid-phase synthesis of *O*-sulfated glycopeptide by the benzyl-protected glycan strategy

pp 8143–8153

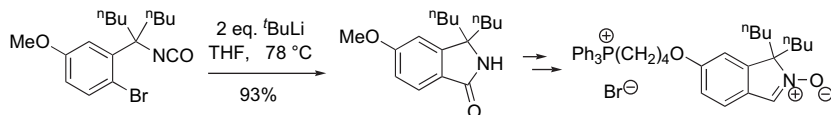
Keita Kawahira, Hiromasa Tanaka, Akiharu Ueki, Yuko Nakahara, Hironobu Hojo*, Yoshiaki Nakahara*



Synthesis of a mitochondria-targeted spin trap using a novel Parham-type cyclization

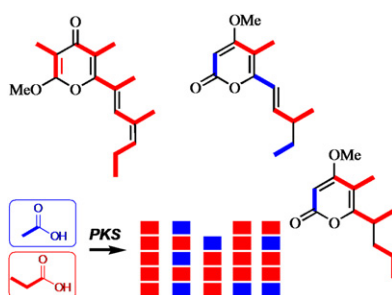
pp 8154–8160

Caroline Quin, Jan Trnka, Alison Hay, Michael P. Murphy, Richard C. Hartley*

**Origin of the C₃-unit in placidenes: further insights into taxa divergence of polypropionate biosynthesis in marine molluscs and fungi**

pp 8161–8164

Adele Cutignano, Guido Cimino, Guido Villani, Angelo Fontana*

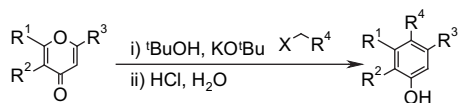


Feeding experiments with ¹³C labelled precursors prove that the Mediterranean slug *Placida dendritica* utilizes intact C₃ units for the biosynthesis of placidenes, pyrone polypropionates largely represented in fungi and marine invertebrates.

**The synthesis of substituted phenols from pyranone precursors**

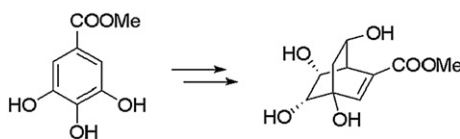
pp 8165–8170

Laura J. Marshall, Karl M. Cable, Nigel P. Botting*

**Synthesis of a pericosine analogue with a bicyclo[2.2.2]octene skeleton**

pp 8171–8175

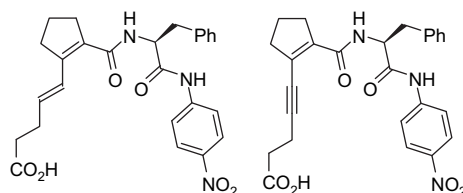
Zsolt Fejes, Attila Mándi, István Komáromi, Attila Bényei, Lieve Naesens, Ferenc Fenyvesi, László Szilágyi, Pál Herczegh*



Synthesis of 2-(4-carxybutenyl)- and 2-(4-carxybutynyl)-cyclopentene-1-carboxamides

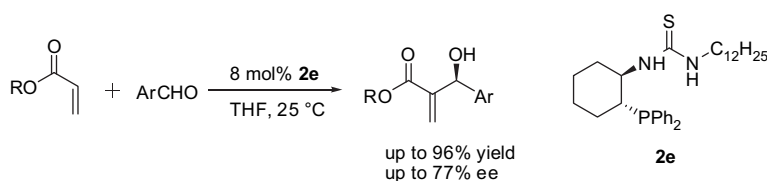
pp 8176–8184

Anne Beauchard, Victoria A. Phillips, Matthew D. Lloyd, Michael D. Threadgill*

**Chiral phosphinothiourea-catalyzed asymmetric Morita–Baylis–Hillman reactions of acrylates with aromatic aldehydes**

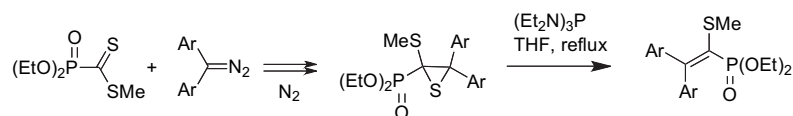
pp 8185–8190

Kui Yuan, Hong Liang Song, Yinjun Hu, Xin Yan Wu*

**A new approach to 2,2-disubstituted 1-(methylsulfonyl)vinyl phosphonates via an intermediate thiocarbonyl ylide**

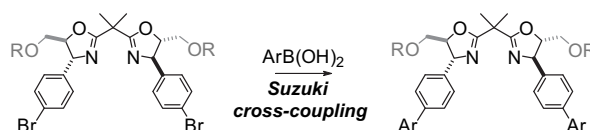
pp 8191–8198

Grzegorz Mlostoń*, Katarzyna Urbaniak, Anthony Linden, Heinz Heimgartner*

**Synthesis of highly modular bis(oxazoline) ligands by Suzuki cross-coupling and evaluation as catalytic ligands**

pp 8199–8205

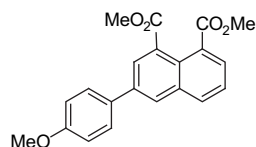
Xavier Cattoën, Miquel A. Pericàs*



Structures of new phenylphenalene-related compounds from *Eichhornia crassipes* (water hyacinth)

pp 8206–8208

Marina DellaGreca*, Lucio Previtera, Armando Zarrelli

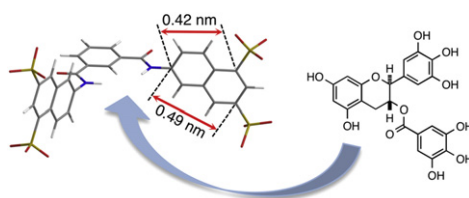


The structures of two new compounds identified as a phenyl naphthalenedicarboxylic ester and a phenyl naphthalenecarboxylic ester linked to a phenylphenalene unit were isolated from the extract of *Eichhornia crassipes*. The structures have been determined on the basis of spectroscopic analyses, especially 2D NMR techniques.

An acyclic phane receptor with a pair of disulfonaphthalene arms recognizing 2,3-*trans*-gallate-type catechins in water

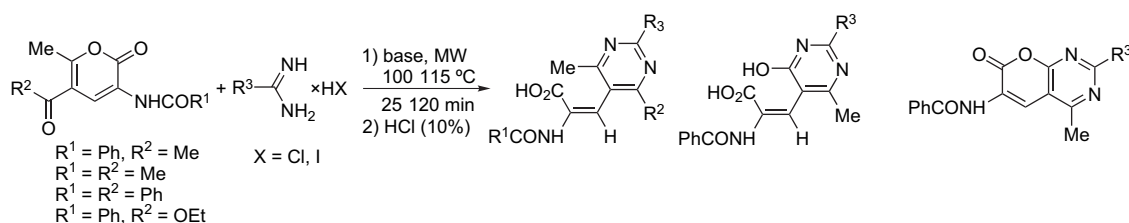
pp 8209–8215

Nobuyuki Hayashi*, Tomomi Ujihara


An expeditious synthesis of β -pyrimidyl- α,β -didehydro- α -amino acid derivatives and pyrano[2,3-*d*]pyrimidines using microwave-assisted conditions

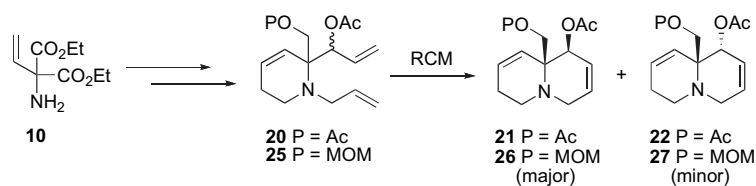
pp 8216–8221

Jure Hren, Franc Požgan, Alma Bunič, Vasile I. Parvulescu, Slovenko Polanc, Marijan Kočevar*


Preparation of some angularly substituted and highly functionalized quinolizidines as building blocks for the synthesis of various alkaloids and related scaffolds of medicinal interest

pp 8222–8230

Alex C. Bissember, Martin G. Banwell*

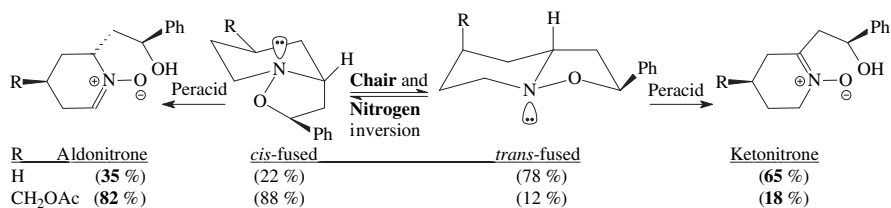


The α amino α vinylmalonate **10** is readily converted to piperidines **20** and **25**, which when subjected (as a mixture of epimers) to RCM, affords the corresponding mixture of quinolizidines **21/22** and **26/27**.

Peracid-induced ring opening of some hexahydro-2*H*-isoxazolo[2,3-*a*]pyridines to second-generation cyclic aldonitrones

pp 8231–8243

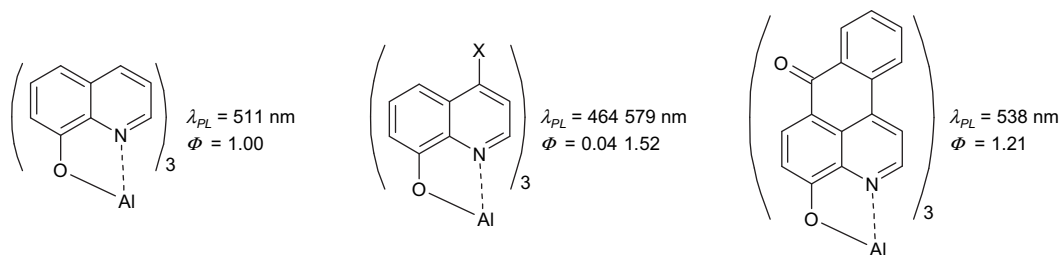
Basem A. Moosa, Shaikh A. Ali*



Absorption and photoluminescence properties of 4-substituted Alq₃ derivatives and tris-(4-hydroxypyridinoanthrene)aluminum

pp 8244–8249

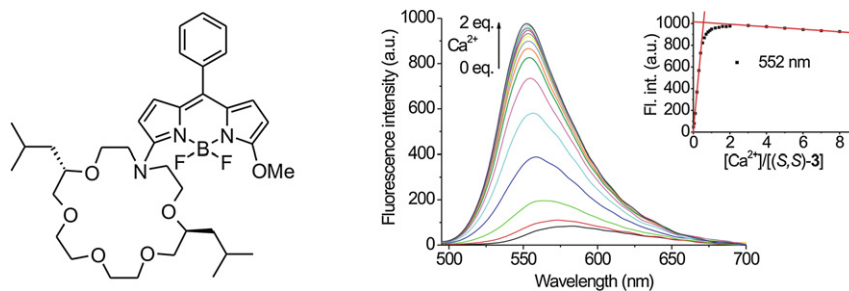
Juha P. Heiskanen, Osmo E.O. Hormi*



Synthesis and optical characterization of novel enantiopure BODIPY linked azacrown ethers as potential fluorescent chemosensors

pp 8250–8258

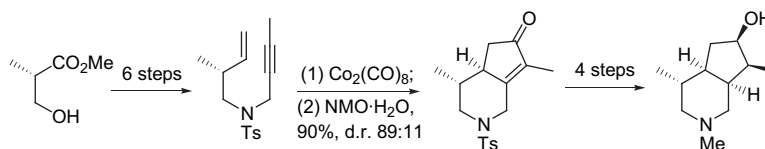
Ildikó Móczár, Péter Huszthy*, Zita Maidics, Mihály Kádár, Klára Tóth



Stereocontrolled preparation of bicyclic alkaloid analogues: an approach towards the kinabalarine skeleton

pp 8259–8268

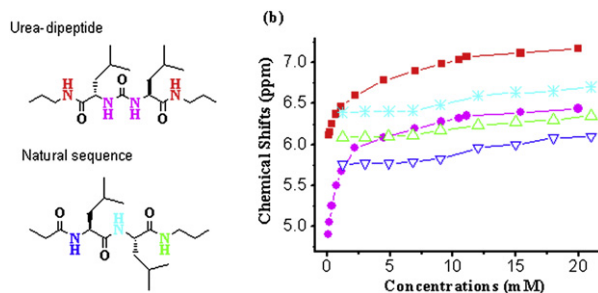
Yvonne Kavanagh, Matthew O'Brien, Paul Evans*



The urea-dipeptides show stronger H-bonding propensity to nucleate β -sheetlike assembly than natural sequence

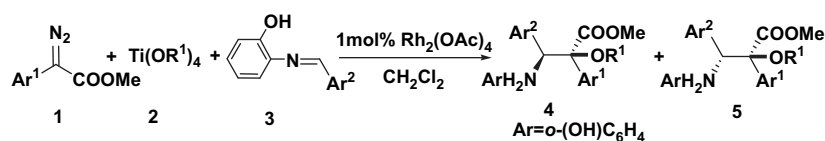
pp 8269–8276

Damei Ke, Chuanlang Zhan*, Xiao Li, Alexander D.Q. Li, Jiannian Yao*

**Rhodium(II) catalyzed multi-component reactions of aryldiazoacetates with titanium(IV) isopropoxide and imines**

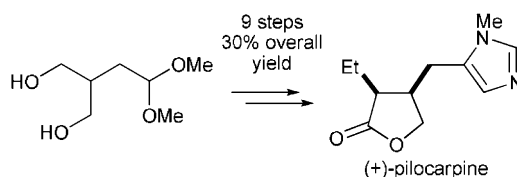
pp 8277–8282

Xu Zhang, Na Zhang, Xin Guo, Liping Yang, Wenhao Hu*

**A practical and scaleable total synthesis of the jaborandi alkaloid (+)-pilocarpine**

pp 8283–8296

Stephen G. Davies*, Paul M. Roberts, Peter T. Stephenson, Helen R. Storr, James E. Thomson

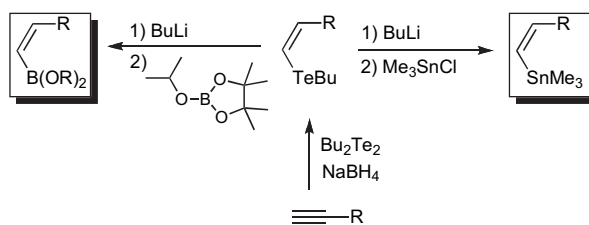


A high yielding, practical and scalable total synthesis of the jaborandi alkaloid (+) pilocarpine is described.

Synthesis of *cis*-vinyltrimethylstannanes and *cis*-vinylpinacolboronates in a two-step highly regio and stereoselective process

pp 8297–8305


Paul Malek Mirzayans, Rebecca H. Pouwer, Craig M. Williams*, Paul V. Bernhardt



OTHER CONTENTS

Tetrahedron reports on organic chemistry	pp I–XVIII
Tetrahedron Perspectives	p XIX
Tetrahedron reports on organic chemistry order form	p XX
Tetrahedron reports on organic chemistry author index	pp XXI–XXVIII

*Corresponding author

+ Supplementary data available via ScienceDirect



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