

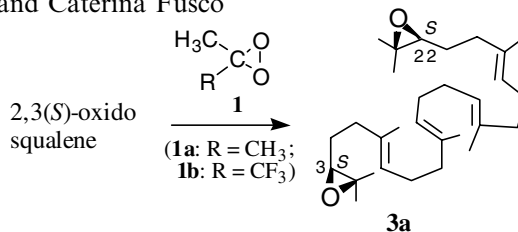
Contents

COMMUNICATIONS

Direct regio- and stereoselective synthesis of squalene 2,3;22,23-dioxide using dioxiranes

pp 8459–8462

Lucia D'Accolti,* Cosimo Annese and Caterina Fusco

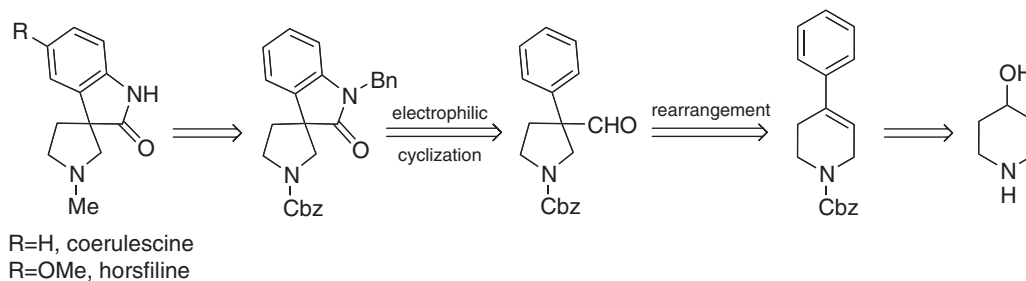


Dimethyldioxirane (DDO, **1a**) and its trifluoro analog (TFDO, **1b**) were employed to achieve selectively the *direct* transformation of squalene 2,3(*S*)-oxide and of squalene 2,3(*R*)-oxide into the corresponding 2,3(*S*);22(*S*),23-dioxide and 2,3(*R*);22(*R*),23-dioxide, respectively.

Synthesis of (±)-coerulescine and a formal synthesis of (±)-horsfiline

pp 8463–8465

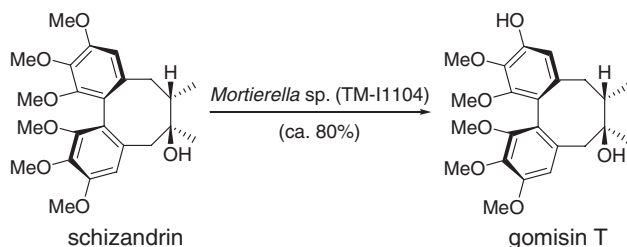
Meng-Yang Chang,* Chun-Li Pai and Yung-Hua Kung



Regio- and stereoselective 12-*O*-demethylation of schizandrin into gomisin T, an important intermediate to gomisin A, by *Mortierella* sp. (TM-I1104)

pp 8467–8470

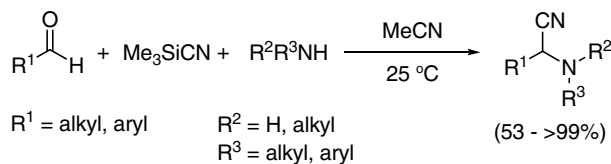
Hirotoishi Kanatani, Susumu Terabayashi, Shuichi Takeda, Wei Li, Kazuo Koike and Tamotsu Nikaido*



Catalyst-free multicomponent Strecker reaction in acetonitrile

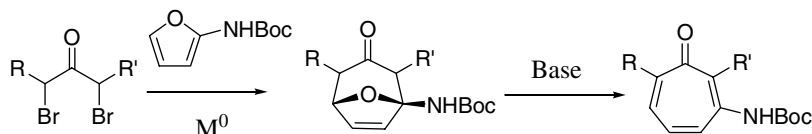
pp 8471–8474

Ricardo Martínez, Diego J. Ramón* and Miguel Yus*

**New synthetic methodology for 3-aminotropones**

pp 8475–8478

Ángel M. Montaña* and Juan A. Barcia

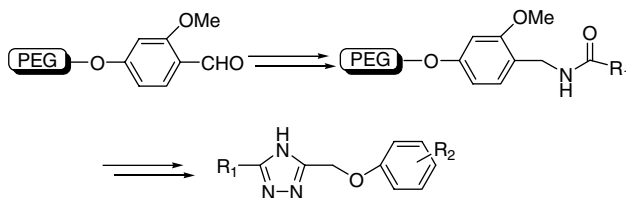


A new synthetic methodology of 3-aminotropones is described. Tropones and 3-aminotroponic building blocks could be prepared by a two steps synthetic pathway: a first step consisting in a [4+3] cycloaddition reaction between a conveniently substituted α,α' -dihaloketone and a furan derivative functionalized on C-2 by a protected amino group. The second step is based on a rearrangement of the cycloadduct, via the oxygen bridge cleavage, under basic conditions.

A novel traceless route to synthesize 3,5-disubstituted-1,2,4-triazoles on PEG6000

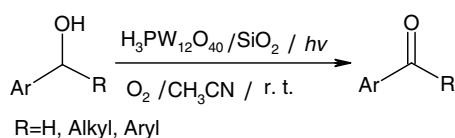
pp 8479–8481

Xi-Cun Wang,* Jun-Ke Wang, Yu-Xia Da, Zheng-Jun Quan and Ying-Xiao Zong

**Photocatalytic oxidation of primary and secondary benzylic alcohols to carbonyl compounds catalyzed by $\text{H}_3\text{PW}_{12}\text{O}_{40}/\text{SiO}_2$ under an O_2 atmosphere**

pp 8483–8486

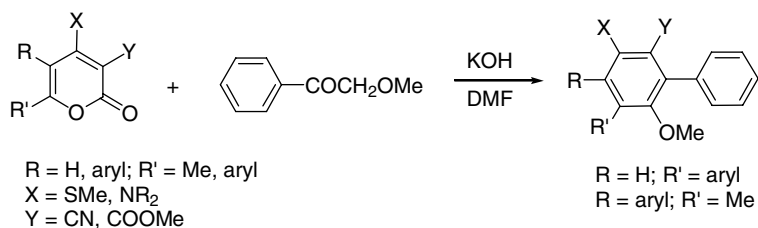
Saeid Farhadi,* Mozhgan Afshari, Mansoureh Maleki and Zaynab Babazadeh



A vicarious synthesis of unsymmetrical *meta*- and *para*- terphenyls from 2*H*-pyran-2-ones

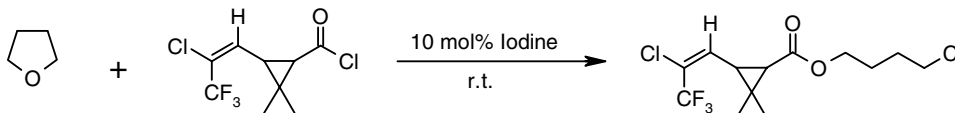
pp 8487–8491

Atul Goel,* Deepti Verma and Fateh Veer Singh

**Mild and efficient method for the cleavage of cyclic and acyclic ethers by iodine under solvent-free conditions**

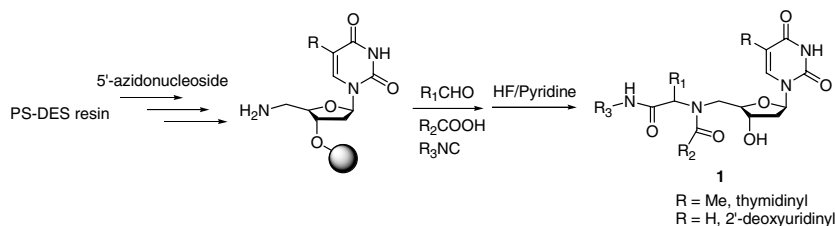
pp 8493–8495

J. S. Yadav,* B. V. S. Reddy, P. Murali Krishna Reddy and Manoj K. Gupta

**Solid-phase synthesis development of a thymidynyl and 2'-deoxyuridynyl Ugi library for anti-bacterial agent screening**

pp 8497–8501

Dianqing Sun and Richard E. Lee*

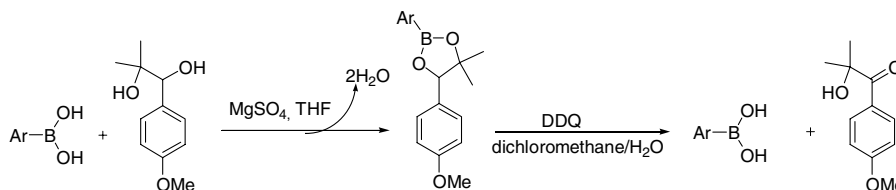


A solid-phase synthesis has been developed to make a thymidynyl and 2'-deoxyuridynyl library starting from 5'-azidonucleosides using Ugi chemistry in 96-well filter plates. A 1344 member library was synthesized for anti-bacterial screening.

A novel redox-sensitive protecting group for boronic acids, MPMP-diol

pp 8503–8505

Jun Yan, Shan Jin and Binghe Wang*



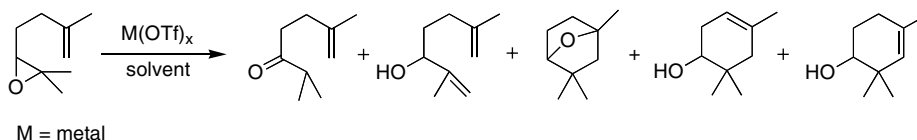
A new boronic acid protecting group, 1-(4-methoxyphenyl)-2-methylpropane-1,2-diol (MPMP-diol), has been developed. Both protection and deprotection can be accomplished under mild conditions with quantitative conversions. The deprotection can be carried out using 2,3-dichloro-5,6-dicyano-1,4-benzoquinone (DDQ).



A study of epoxyolefin cyclizations catalyzed by bismuth trifluoromethanesulfonate and other metal triflates

pp 8507–8511

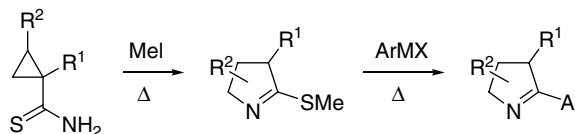
Joshua R. Lacey, Peter W. Anzalone, Christopher M. Duncan, Matthew J. Hackert and Ram S. Mohan*



Application of the thioimide cyclopropane rearrangement to heterocyclic synthesis. Preparation of diaryl pyrrolines

pp 8513–8516

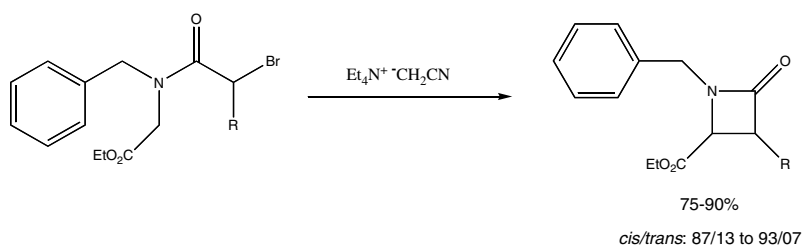
Ronald K. Chang,* Robert M. DiPardo and Scott D. Kuduk



Electrogenerated cyanomethyl anion in organic synthesis: a simple diastereoselective synthesis of *cis*-3-alkyl-1-benzyl-4-ethoxycarbonyl-β-lactams

pp 8517–8519

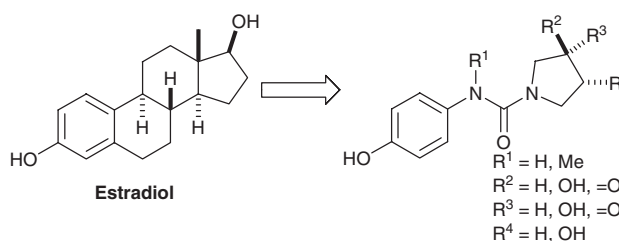
Marta Feroci,* Jean Lessard, Monica Orsini and Achille Inesi*



Novel steroid mimics directed towards the estradiol skeleton

pp 8521–8524

Eve Bridgeman, Julie L. Cavill, Daniel J. Schofield, Derek S. Wilkins and Nicholas C. O. Tomkinson*

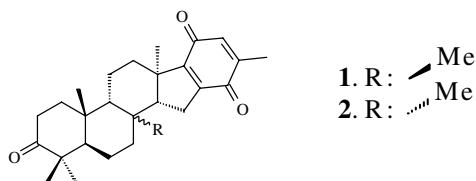


A series of non-symmetrical tri- and tetra-substituted ureas have been prepared to mimic the rigid tetracyclic core of estradiol.

Atomarianones A and B: two cytotoxic meroditerpenes from the brown alga *Taonia atomaria*

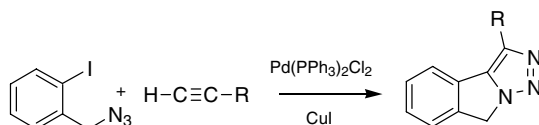
pp 8525–8529

Dennis Abatis, Constantinos Vagias, Dimitrios Galanakis, James N. Norris, Dimitri Moreau, Christos Roussakis and Vassilios Roussis*

**Palladium–copper catalysed heteroannulation of acetylenic compounds: an expeditious synthesis of isoindoline fused with triazoles**

pp 8531–8534

Chinmay Chowdhury,* Sukhendu B. Mandal and Basudeb Achari

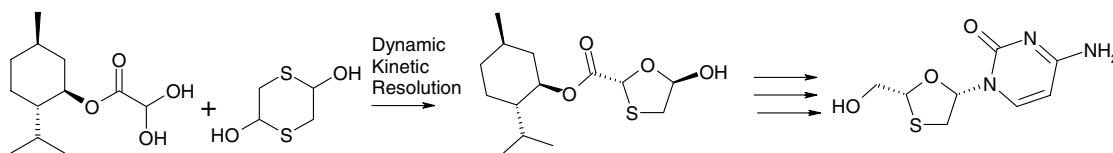


A convenient and general method for the synthesis of isoindoline fused with a triazole through palladium copper catalysis is described.

Practical enantioselective synthesis of lamivudine (3TC™) via a dynamic kinetic resolution

pp 8535–8538

Michael D. Goodyear, Malcolm L. Hill, Jono P. West and Andrew J. Whitehead*

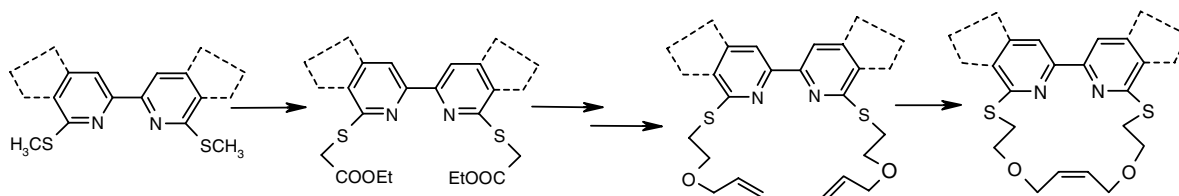


A practical enantioselective synthesis of lamivudine is described, which utilises a dynamic kinetic resolution as the key step to prepare an enantiomerically pure 5-hydroxyoxathiolane.

S-Transalkylation/ring closing metathesis as a route to azathiamacrocycles incorporating 2,2'-bipyridine subunits

pp 8539–8541

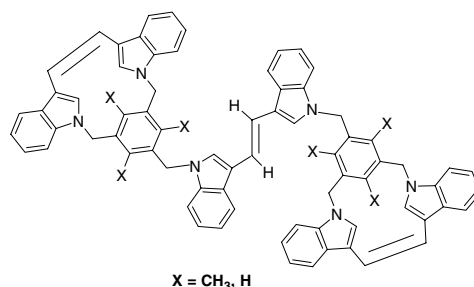
Danuta Branowska, Izabela Buczek, Katarzyna Kalińska, Justyna Nowaczyk and Andrzej Rykowski*



Tandem one-pot intra- and inter-molecular McMurry coupling for the synthesis of bisindolostilbenophanes

pp 8543–8546

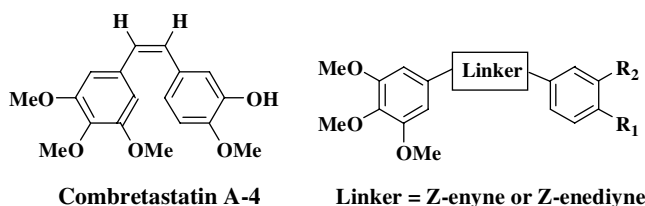
Perumal Rajakumar* and Merikapudi Gayatri Swaroop



Synthetic approach to enyne and enediynes analogues of anticancer agents

pp 8547–8550

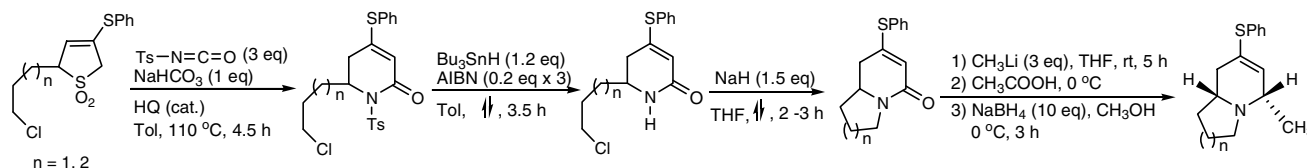
Olivier Provot,* Anne Giraud, Jean-François Peyrat, Mouâd Alami* and Jean-Daniel Brion



Synthesis and transformations of sulfur-substituted indolizidines and quinolizidines

pp 8551–8554

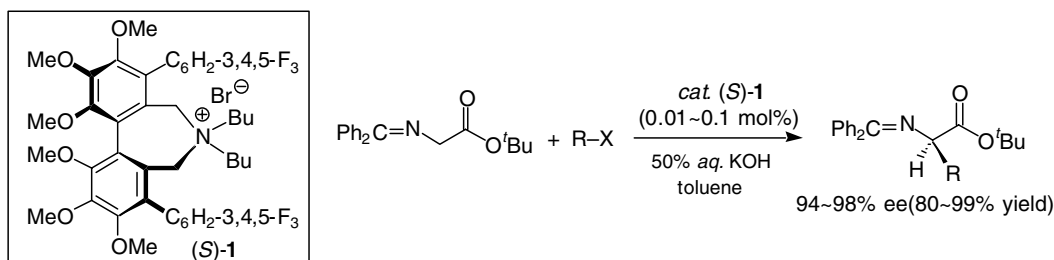
Shang-Shing P. Chou* and Chung-Wen Ho



Convenient preparation of highly active phase-transfer catalyst for catalytic asymmetric synthesis of α -alkyl- and α,α -dialkyl- α -amino acids: application to the short asymmetric synthesis of BIRT-377

pp 8555–8558

Zhenfu Han, Yukako Yamaguchi, Masanori Kitamura and Keiji Maruoka*

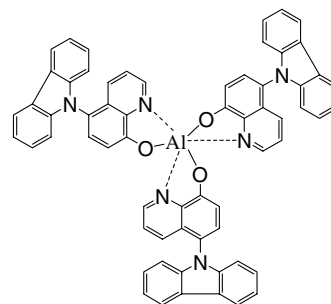


A soluble 5-carbazolium-8-hydroxyquinoline Al(III) complex as a dipolar luminescent material

pp 8559–8562

Juntao Xie, Zhijun Ning and He Tian*

Novel 8-hydroxyquinoline derivative and its Al(III) complex were synthesized and their photophysical properties were measured. The complex might be used as an electron- and hole-transporter for OLED simultaneously.

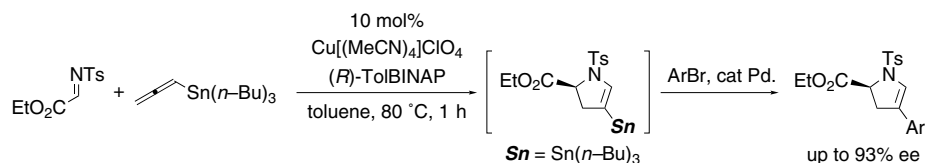


Integration of electron- and hole-transporters

Enantioselective three-component synthesis of 4-arylated dehydroprolines: [3+2] annulation of allenylstannane and α -imino ester

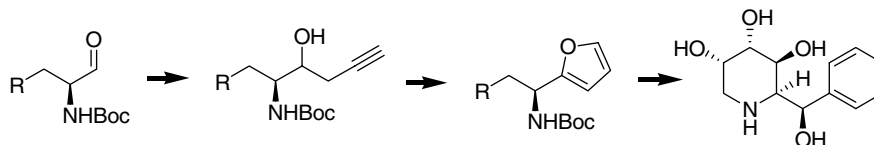
pp 8563–8566

Kohei Fuchibe, Rina Hatemata and Takahiko Akiyama*

**Preparation of enantiomerically pure 2-(1'-aminomethyl)furan derivatives and synthesis of an unnatural polyhydroxylated piperidine**

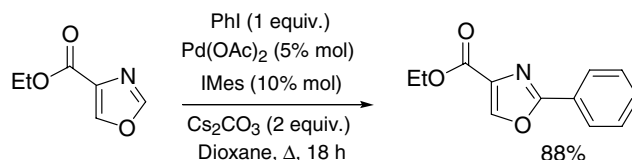
pp 8567–8571

Xin Cong, Ke-Gang Liu, Qing-Jiang Liao and Zhu-Jun Yao*

**Regioselective palladium-catalyzed phenylation of ethyl 4-oxazolecarboxylate**

pp 8573–8577

Christophe Hoarau,* Alexis Du Fou de Kerdaniel, Nicolas Bracq, Pierre Grandclaudon, Axel Couture and Francis Marsais

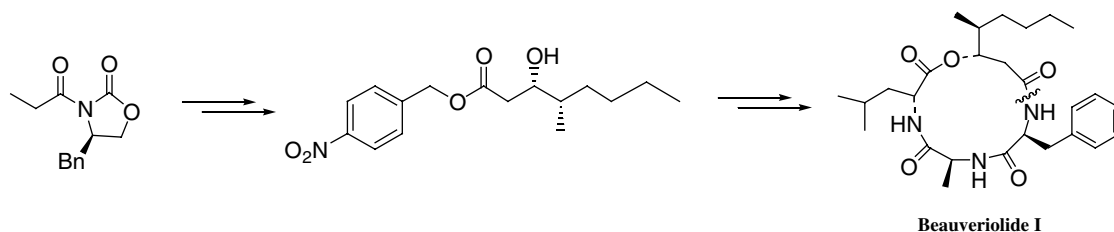


The highly regioselective palladium-catalyzed C-2 phenylation of ethyl 4-oxazolecarboxylate with phenyl iodide is described.

Total synthesis of beauveriolide I

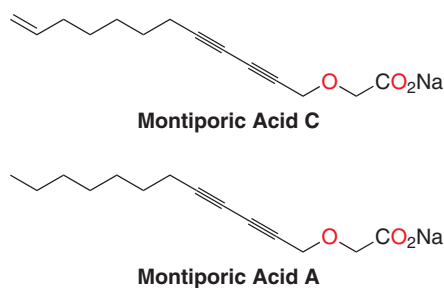
pp 8579–8581

Hua Tian, Xiaozhen Jiao, Ping Xie* and Xiaotian Liang

**Feeding attractants for the muricid gastropod *Drupella cornus*, a coral predator**

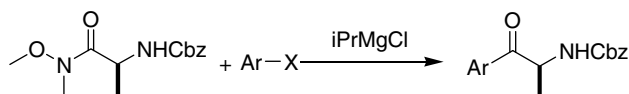
pp 8583–8585

Masaki Kita, Makoto Kitamura, Tomoyuki Koyama, Toshiaki Teruya, Hiroshi Matsumoto, Yoshikatsu Nakano and Daisuke Uemura*

**A practical one-pot process for α -amino aryl ketone synthesis**

pp 8587–8589

Karen Conrad,* Yi Hsiao and Ross Miller

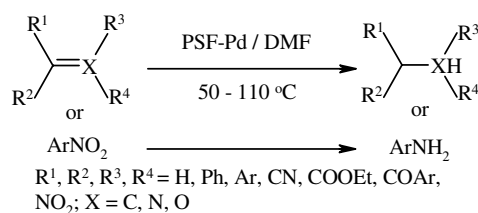


An efficient, convenient, high-yielding synthesis of α -amino ketones is described, involving the one-pot deprotonation–transmetallation–arylation of a Weinreb amide while retaining chirality of the original amide.

**Co-immobilized formate anion and palladium on a polymer surface: a novel heterogeneous combination for transfer hydrogenation**

pp 8591–8593

Basudeb Basu,* Sajal Das, Pralay Das and Ashish K. Nanda



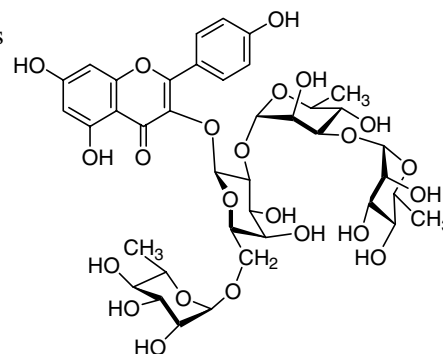
A novel heterogeneous combination of a formate reagent and palladium catalyst immobilized on a resin support has been developed and shown to be highly efficient and recyclable for transfer hydrogenation of alkenes, imines, nitroarenes and 1,2-dicarbonyl compounds.

Mildbraedin, a novel kaempferol tetraglycoside from the tropical forest legume *Mildbraediodendron excelsum*

pp 8595–8598

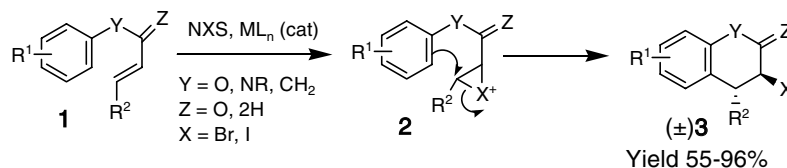
Nigel C. Veitch,* Julie M. Bristow, Geoffrey C. Kite and Gwilym P. Lewis

Leaves of *Mildbraediodendron excelsum* (Leguminosae: tribe Swartzieae) yielded a novel flavonol glycoside characterized by an O-linked branched tetrasaccharide. The same compound was detected by LC-UV-MS as the major component of leaf material sourced from a historic collection of this species made in Cameroon in 1928.


Lewis acid catalyzed intramolecular halo-arylation of tethered alkenes using *N*-halosuccinimide (NXS) as the halogen source: a general method for the synthesis of chromanones, chromans, quinolones, tetrahydroquinolines and tetralins

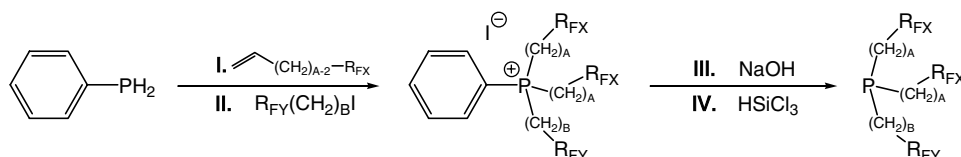
pp 8599–8603

Saumen Hajra,* Biswajit Maji and Ananta Karmakar


Synthesis of fluoros trialkyl phosphines with the complete exclusion of PH_3

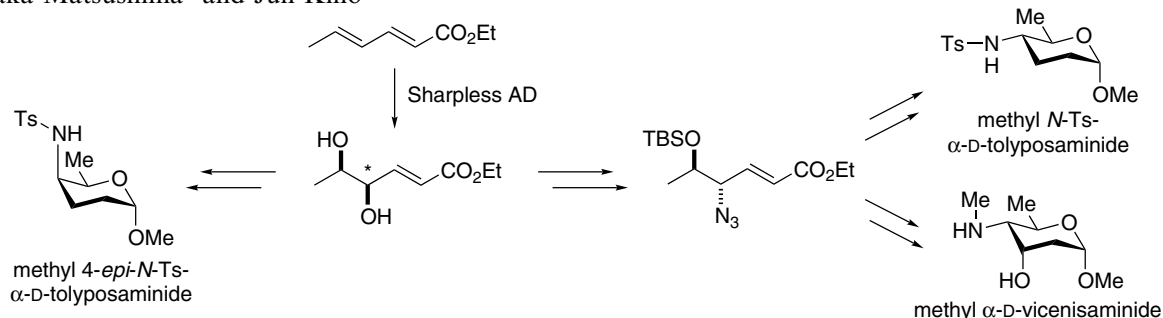
pp 8605–8608

Gábor Vlád, Frank U. Richter and István T. Horváth*


A new simple route to deoxyamino sugars from non-sugar material: synthesis of D-tolyposamine and 4-*epi*-D-tolyposamine and formal synthesis of D-vicenisamine

pp 8609–8612

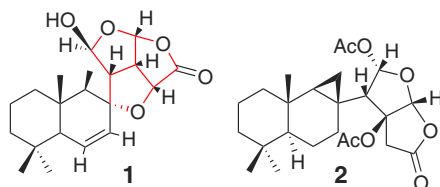
Yoshitaka Matsushima* and Jun Kino



Omriolide A and B; two new rearranged spongian diterpenes from the marine sponge *Dictyodendrilla aff. retiara*

pp 8613–8616

Amira Rudi, Yuval Erez, Yehuda Benayahu and Yoel Kashman*

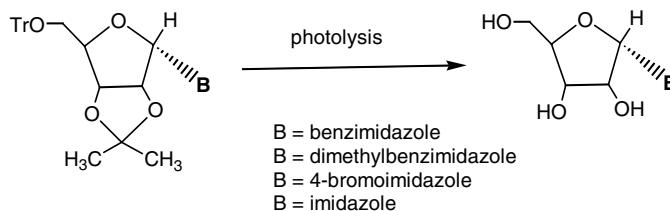


Two new rearranged spongian diterpenes designated omriolide A and B were isolated from a marine sponge. Omriolide A possesses a new heterocyclic system.

Deprotection of α -imidazole/benzimidazole ribonucleosides by catalytic carbon tetrabromide initiated photolysis

pp 8617–8619

Tilak Chandra and Kenneth L. Brown*




Several protected benzimidazole and imidazole α -ribonucleosides were deprotected in excellent yield at ambient temperature using CBr_4 initiated photolysis in methanol at ambient temperature. No selectivity was observed, and both trityl and isopropylidene groups were deprotected under the reaction conditions.

OTHER CONTENTS

Corrigendum	p 8621
Calendar	pp I–II
Contributors to this issue	p III
Instructions to contributors	pp V–VIII

*Corresponding author

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