

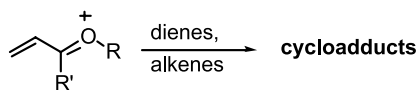
Graphical abstracts

Cycloaddition reactions of vinyl oxocarbenium ions

Michael Harmata* and Paitoon Rashatasakhon

Department of Chemistry, University of Missouri-Columbia, Columbia, MO 65211, USA

Tetrahedron 59 (2003) 2371

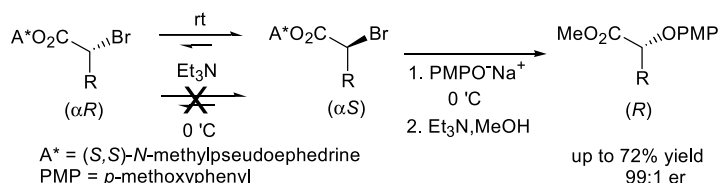


Dynamic thermodynamic resolution of *N*-methylpseudoephedrine α -bromo esters for asymmetric syntheses of α -hydroxy carboxylic acid derivatives

Jiyoun Nam, Sang-kuk Lee and Yong Sun Park*

Department of Chemistry, Konkuk University, Kwangjingu Hwayangdong 1, Seoul 143-701, South Korea

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Intramolecular hydrogen bonding effect on metal ion complexation of homooxacalix[4]arene bearing tetraamides

Kwanghyun No,^{a,*} Jeong Hyeon Lee,^a Seung Hwan Yang,^b Kwan Ho Noh,^b Soon W. Lee^c and Jong Seung Kim^{d,*}

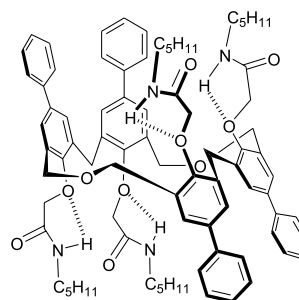
^aDepartment of Chemistry, Sookmyung Women's University, Seoul 140-742, South Korea

^bDepartment of Chemistry, Konyang University, Nonsan 320-711, South Korea

^cDepartment of Chemistry, Sungkyunkwan University, Suwon 440-746, South Korea

^dDepartment of Chemistry, Dankook University, Seoul 140-714, South Korea

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Calixarene-based metalloporphyrins: molecular tweezers for complexation of DABCO

Miroslav Dudič,^a Pavel Lhoták,^{a,*} Hana Petříčková,^b Ivan Stibor,^a Kamil Lang^{c,*} and Jan Sýkora^d

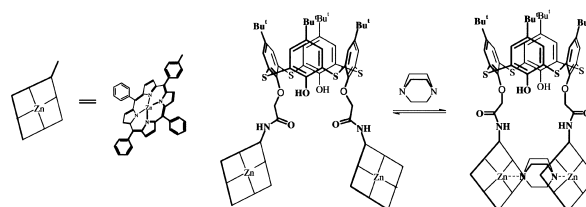
^aDepartment of Organic Chemistry, Prague Institute of Chemical Technology, Technická 5, 166 28 Prague 6, Czech Republic

^bDepartment of Solid State Chemistry, Institute of Chemical Technology, Technická 5, 166 28 Prague 6, Czech Republic

^cInstitute of Inorganic Chemistry, ASCR, 250 68 Řež, Czech Republic

^dInstitute of Chemical Process Fundamentals, ASCR, Rozvojova 135, 165 02 Prague 6, Czech Republic

The formation of host-guest complexes between zinc porphyrins covalently attached to (thia)calixarenes and a small bidentate ligand (DABCO) was investigated. Complexation strictly depends on the calixarene (thia vs classical) used as a scaffold in the receptors.



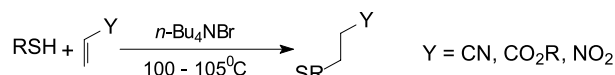
Tetrahedron 59 (2003) 2409

Catalysis by an ionic liquid: efficient conjugate addition of thiols to electron deficient alkenes catalyzed by molten tetrabutylammonium bromide under solvent-free conditions

Tetrahedron 59 (2003) 2417

Brindaban C. Ranu,* Suvendu S. Dey and Alakananda Hajra

Department of Organic Chemistry, Indian Association for the Cultivation of Science, Jadavpur, Calcutta 700032, India

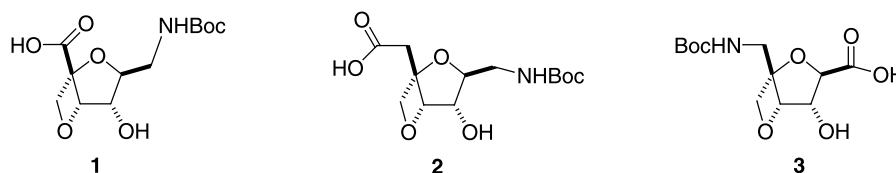


Synthesis of bridged sugar amino acids: a new entry into conformationally locked δ - and ϵ -amino acids

Tetrahedron 59 (2003) 2423

Renate M. van Well, Marlies E. A. Meijer, Herman S. Overkleeft, Jacques H. van Boom, Gijsbert A. van der Marel* and Mark Overhand*

Gorlaeus Laboratories, Leiden Institute of Chemistry, Leiden University, P.O. Box 9502, 2300 RA Leiden, The Netherlands



Calcium trifluoromethanesulfonate-catalysed aminolysis of epoxides

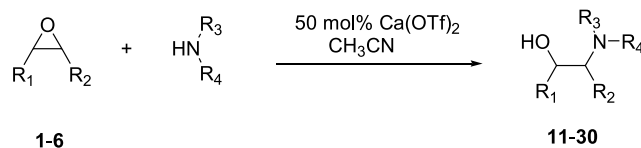
Tetrahedron 59 (2003) 2435

Ivica Cepanec,^{a,*} Mladen Litvić,^a Hrvoje Mikuldaš,^a Anamarija Bartolinčić^a and Vladimir Vinković^b

^aDepartment for Development of Chemical Synthesis, BELUPO Pharmaceuticals and Cosmetics Ltd, Radnicka c. 224, 10000 Zagreb, Croatia

^bInstitute Ruđer Bošković, Bijenicka c. 54, 10000 Zagreb, Croatia

The novel method for aminolysis of epoxides catalysed by calcium trifluoromethanesulfonate was described (20 examples; yields 37–99%).



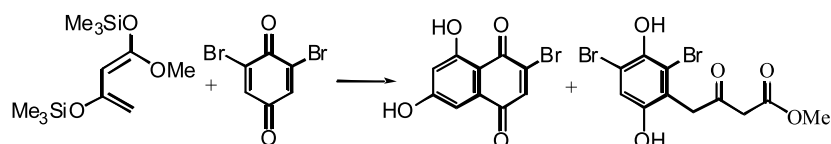
Addition of silyoxydienes to 2,6-dibromo-1,4-benzoquinone: an approach to highly oxygenated bromonaphthoquinones for the synthesis of thysanone

Tetrahedron 59 (2003) 2441

David Barker,^a Margaret A. Brimble,^{b,*} Peter Do^a and Peter Turner^a

^aSchool of Chemistry, F11, University of Sydney, Camperdown, NSW 2006, Australia

^bDepartment of Chemistry, University of Auckland, 23 Symonds St., Auckland, New Zealand

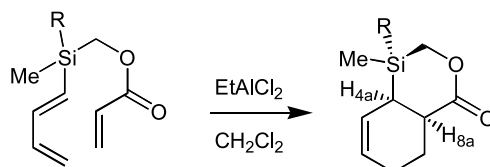


Highly diastereoselective intramolecular Diels–Alder reaction of chiral silatrienes

Paulo J. Coelho* and Luis Blanco

Laboratoire des Carbocyles (Associé au CNRS), Institut de Chimie Moléculaire d'Orsay, Bât 420, Université de Paris-Sud, 91405 Orsay France

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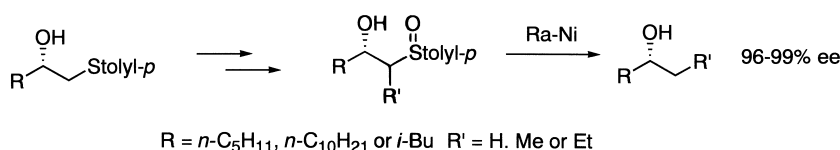


Efficient synthesis of (*R*)- and (*S*)-3-octanol, (*R*)-2-dodecanol, (*R*)-2-methyl-4-heptanol and (*R*)-2-methyl-4-octanol: the pheromones of *Myrmica scabrinodis*, *Crematogaster castanea*, *C. liengmei*, *C. auberti* and *Metamasius hemipterus*

Byung Tae Cho* and Dong Jun Kim

Department of Chemistry, Hallym University, Chunchon 200702, South Korea

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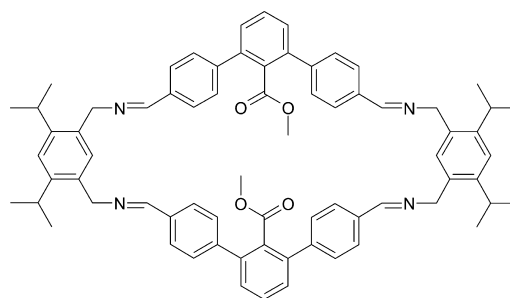


Preparation of macrocyclic and 'C-clamp' dicarboxylate compounds

Joshua R. Farrell, Dylan Stiles, Weiming Bu and Stephen J. Lippard*

Department of Chemistry, Massachusetts Institute of Technology, Room 18-498, Cambridge, MA 02139, USA

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Pestacin: a 1,3-dihydro isobenzofuran from *Pestalotiopsis microspora* possessing antioxidant and antimycotic activities

James K. Harper,^a Atta M. Arif,^a Eugene J. Ford,^b Gary A. Strobel,^{b,*} John A. Porco, Jr.,^c David P. Tomer,^d Kim L. Oneill,^d Elizabeth M. Heider^e and David M. Grant^{a,*}

^aDepartment of Chemistry, University of Utah, 315 S. 1400 E., Salt Lake City, UT 84112, USA,

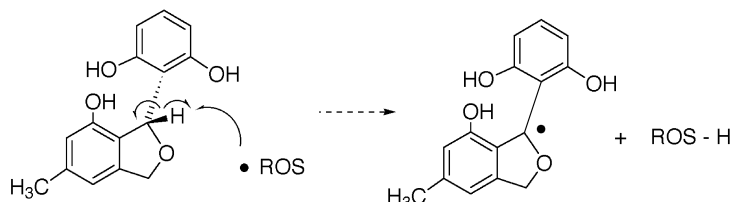
^bDepartment of Plant Sciences, Montana State University, Bozeman, MT 59717, USA

^cDepartment of Chemistry and Center for Streamlined Synthesis, Boston University, 590 Commonwealth Avenue, Boston, MA 02215, USA

^dDepartment of Microbiology, Brigham Young University, Provo, UT 84602, USA

^eDepartment of Physics and Astronomy, Tufts University, Medford, MA 02155, USA

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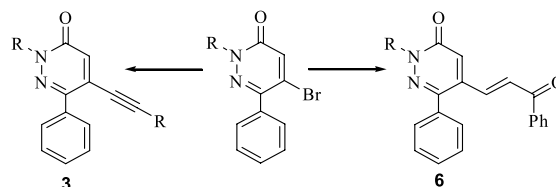


Pyridazine derivatives. Part 33: Sonogashira approaches in the synthesis of 5-substituted-6-phenyl-3(2H)-pyridazinones

Alberto Coelho, Eddy Sotelo and Enrique Raviña*

Departamento de Química Orgánica, Laboratorio de Química Farmacéutica, Facultad de Farmacia, Universidad de Santiago de Compostela, Santiago de Compostela 15782, Spain

Several 6-phenyl-3(2H)-pyridazinones bearing different alkynyl groups at position 5 have been prepared by a palladium-catalysed Sonogashira cross-coupling reaction. An interesting base-promoted electronically permitted isomerization has been observed during the coupling of 1-phenyl-2-propyn-1-ol. This rearrangement afforded the *E*-chalcone **6** in excellent yield.

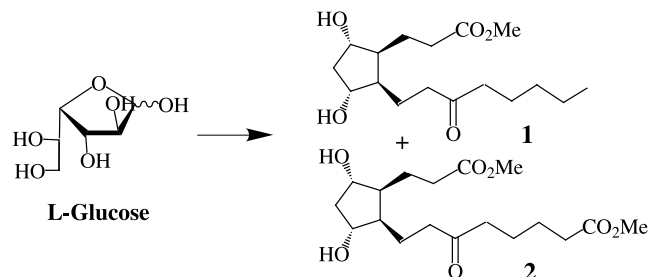


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Radical cyclization; towards the syntheses of tetranor metabolites of 15-F_{2t}-isoprostane

Thierry Durand,* Olivier Henry, Alexandre Guy, Arlène Roland, Jean-Pierre Vidal and Jean-Claude Rossi

Faculté de Pharmacie, Université de Montpellier I, UMR CNRS 5074, 15, Av. Charles Flahault, BP 14491, F34093 Montpellier cedex 05, France

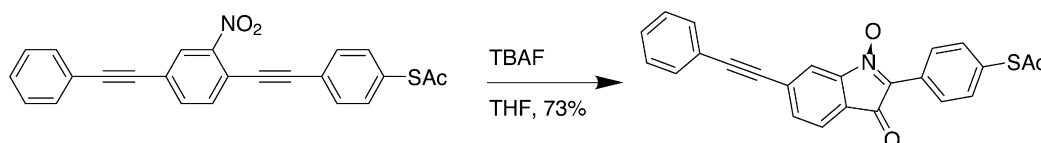


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Improved and new syntheses of potential molecular electronics devices

David W. Price, Jr., Shawn M. Dirk, Francisco Maya and James M. Tour*

Department of Chemistry and Center for Nanoscale Science and Technology, MS 222, Rice University, 6100 Main St., Houston, TX 77005, USA

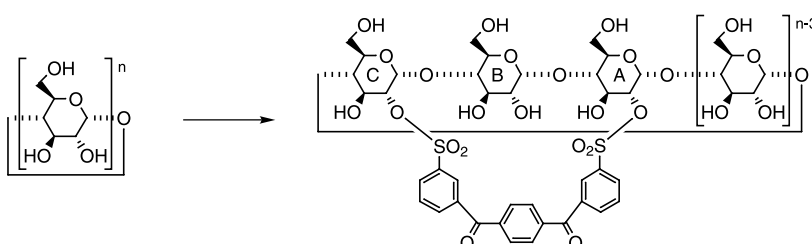


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Practical and convenient modifications of the A,C-secondary hydroxyl face of cyclodextrins

Katsunori Teranishi

Faculty of Bioresources, Mie University, Kamihama 1515, Tsu, Mie 514-8507, Japan



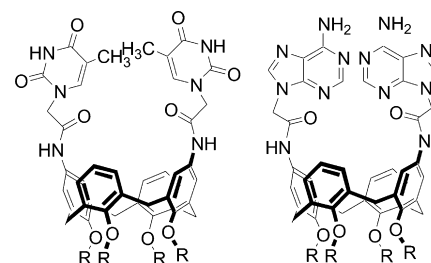
Tetrahedron 59 (2003) 2519

Synthesis of new calix[4]arenes containing nucleoside bases

Cheng-Chu Zeng, Qi-Yu Zheng, Ya-Ling Tang and Zhi-Tang Huang*

Center for Molecular Science, Institute of Chemistry, Chinese Academy of Sciences, Beijing 100080, People's Republic of China

A family of novel calix[4]arene derivatives containing nucleoside base A or T were synthesized.



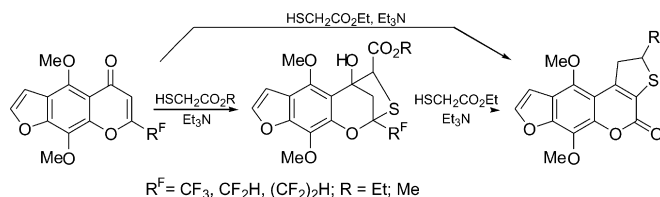
Tetrahedron 59 (2003) 2539

7-Polyfluoroalkylnorkhellins: synthesis and reactions with alkyl mercaptoacetates

Vyacheslav Ya. Sosnovskikh,^{a,*} Boris I. Usachev^a and Ivan I. Vorontsov^b

^aDepartment of Chemistry, Ural State University, Lenina 51, 620083 Ekaterinburg, Russian Federation

^bA. N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, 117813 Moscow, Russian Federation



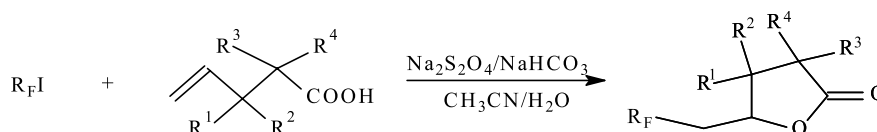
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Synthesis of polyfluoroalkyl- γ -lactones from polyfluoroalkyl halides and 4-pentenoic acids

Xiaowei Zou,^a Fanhong Wu,^{a,*} Yongjia Shen,^a Sheng Xu^a and Weiyuan Huang^b

^aCollege of Chemistry and Pharmaceutics, East China University of Science and Technology, Shanghai 200237, People's Republic of China

^bShanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032, People's Republic of China



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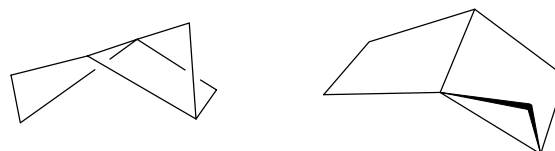
A quantum chemical study of tricyclo[3.2.0.0^{1,3}]heptane: a new hypothetical molecule with unusual spatial structure. Similarities and differences with *syn*- and *anti*-tricyclo[3.2.0.0^{2,4}]heptanes

H. Dodziuk,^{a,*} G. Dolgonos^a and J. Leszczynski^{b,*}

^aInstitute of Physical Chemistry, Polish Academy of Sciences, Kasprzaka 44, 01-224 Warsaw, Poland

^bComputational Center for Molecular Structure and Interactions, Department of Chemistry, Jackson State University, Jackson, MS 39217, USA

According to MP2/cc-pVTZ calculations, hypothetical tricyclo[3.2.0.0^{1,3}]heptane has a carbon atom with configuration intermediate between tetrahedral and pyramidal. The comparison of its energy with that of the known *syn*- and *anti*-tricyclo[3.2.0.0^{2,4}]heptanes indicates that it should be a plausible synthetic target.



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Synthesis and photochromic behaviour of new methyl induced linear and angular thieno-2*H*-chromenes

Tetrahedron 59 (2003) 2567

Maria-João R. P. Queiroz,^{a,*} Paula M. S. Plasencia,^a Roger Dubest,^b Jean Aubard^b and Robert Guglielmetti^c

^a*Departamento de Química, Universidade do Minho, 4710-057 Braga, Portugal*

^b*ITODYS, UMR 7086 CNRS, Université Denis Diderot Paris 7, 75005 Paris, France*

^c*LCMOM, UMR 6114 CNRS, Université de la Méditerranée, 13288 Marseille Cedex 9, France*

