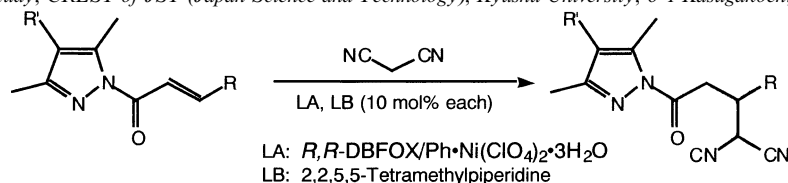
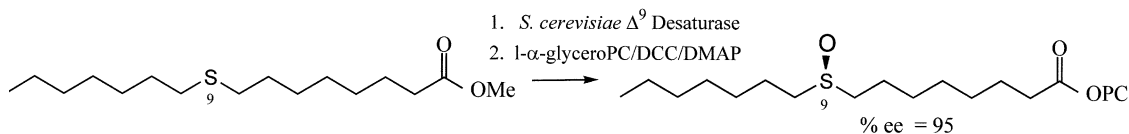


Enantioselective Michael addition reactions of malononitrile catalyzed by chiral Lewis acid and achiral amine catalystsKennosuke Itoh,^a Yoji Oderaotoshi^b and Shuji Kanemasa^{c,*}^aDepartment of Molecular and Material Sciences, Graduate School of Engineering Sciences, Kyushu University, 6-1 Kasugakoen, Kasuga 816-8580, Japan^bDepartment of Applied Chemistry, Graduate School of Engineering, Osaka University, 2-1 Yamadaoka, Suita, Osaka 565-0871, Japan^cInstitute of Advanced Material Study, CREST of JST (Japan Science and Technology), Kyushu University, 6-1 Kasugakoen, Kasuga 816-8580, Japan*Tetrahedron: Asymmetry* 14 (2003) 635**A chemoenzymatic route to quasisymmetrical chiral sulfoxides and their phospholipid derivatives**

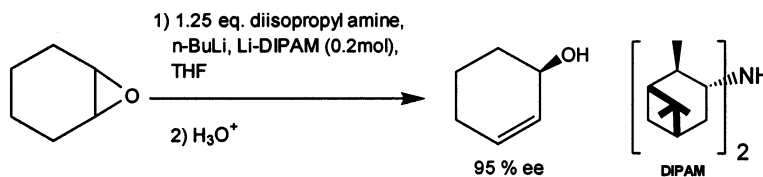
Derek Hodgson and Peter H. Buist*

Department of Chemistry, Carleton University, Ottawa, Ontario K1S 5B6, Canada

*Tetrahedron: Asymmetry* 14 (2003) 641**Lithium diisopinocampheylamide: a new and highly effective chiral catalyst in the enantioselective deprotonation of *meso*-epoxides**

Sanjay V. Malhotra*

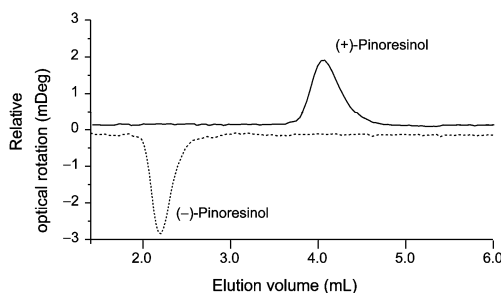
Department of Chemistry and Environmental Science, New Jersey Institute of Technology, University Heights, Newark, NJ 07102, USA

*Tetrahedron: Asymmetry* 14 (2003) 645**Reversed-phase HPLC lignan chiral analysis with laser polarimetric detection**

Steven C. Halls and Norman G. Lewis*

Institute of Biological Chemistry, Washington State University, Pullman, WA 99164-6340, USA

A reversed phase HPLC method with UV/laser polarimetric detection suitable for direct determination of chirality and enantiomeric composition of plant lignans is described.

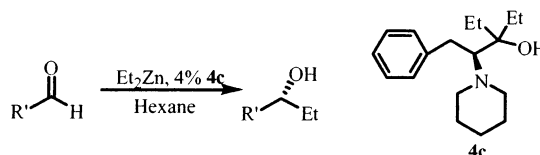
*Tetrahedron: Asymmetry* 14 (2003) 649

A convenient synthesis of piperidine-based β -amino alcohols from L-Phe and highly enantioselective addition of diethyl zinc to aldehydes

Tetrahedron: Asymmetry 14 (2003) 659

Chao-shan Da, Zhi-jian Han, Ming Ni, Fan Yang, Da-xue Liu, Yi-feng Zhou and Rui Wang*

Department of Biochemistry & Molecular Biology, School of Life Sciences, Lanzhou University, Lanzhou 730000, China



ee up to 97% and yield up to 99%.

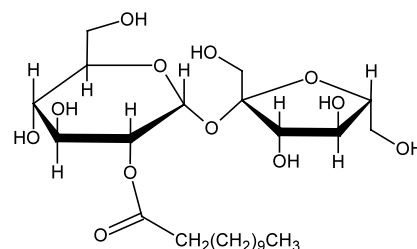
Synthesis of sucrose laurate using a new alkaline protease

Tetrahedron: Asymmetry 14 (2003) 667

Ninfa Rangel Pedersen, Reinhard Wimmer, Rune Matthiesen, Lars Haastrup Pedersen* and Amare Gessesse

Department of Life Sciences, Aalborg University, Sohngaardsholmsvej 49, 9000 Aalborg, Denmark

2-*O*-lauroyl sucrose was synthesized in a protease (AL-89) catalyzed transesterification process in DMF:pyridine, 1:1 (v/v).



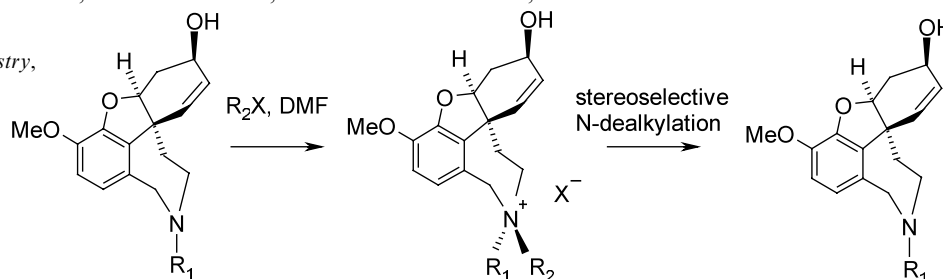
Synthesis and stereoselective dealkylation of *N*-chiral quarternary *N*-alkyl galanthaminium halides

Tetrahedron: Asymmetry 14 (2003) 675

Manfred Hirnschall,^a Matthias Treu,^a Kurt Mereiter,^b Christian Hametner,^a Johannes Fröhlich^a and Ulrich Jordis^{a,*}

^a*Institute of Applied Synthetic Chemistry, Vienna University of Technology, Getreidemarkt 9/163OC, A-1060 Vienna, Austria*

^b*Institute of Chemical Technologies and Analytics, Vienna University of Technology, Getreidemarkt 9, A-1060 Vienna, Austria*

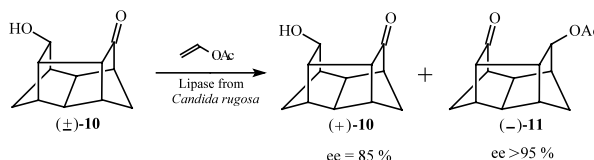


Study of the kinetic resolution of ($\pm$)-10-*exo*-hydroxy-pentacyclo-[6.2.1.1^{3,6}.0^{2,7}.0^{5,9}]dodeca-4-one by lipase catalysis and the intramolecular racemization of the pure enantiomer by thermal dyotropic reaction

Tetrahedron: Asymmetry 14 (2003) 683

José E. D. Martins, João Alifantes, Adriana R. Pohlmann and Valentim E. U. Costa*

Departamento de Química Orgânica, Instituto de Química, Universidade Federal do Rio Grande do Sul, Av. Bento Gonçalves, 9500, 91501-970 Porto Alegre RS, Brazil

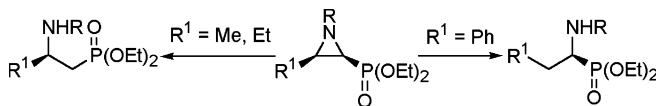


Asymmetric synthesis of 2*H*-aziridine phosphonates, and α - or β -aminophosphonates from enantiomerically enriched 2*H*-azirines

Tetrahedron: Asymmetry 14 (2003) 689

Francisco Palacios,* Domitila Aparicio, Ana María Ochoa de Retana, Jesús M. de los Santos, José I. Gil and Rafael López de Munain

Departamento de Química Orgánica I, Facultad de Farmacia, Universidad del País Vasco, Apartado 450, 01080 Vitoria, Spain



A facile enantioselective approach to neolignans

Tetrahedron: Asymmetry 14 (2003) 701

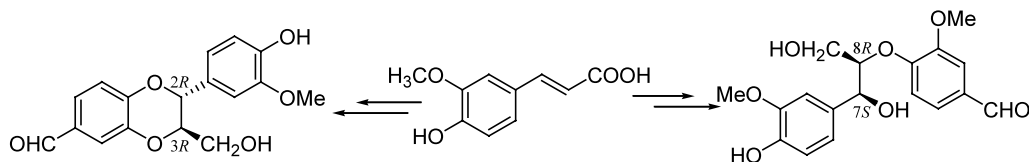
Xiaochuan Chen,^a Xinfeng Ren,^a Kun Peng,^a Xinfu Pan,^{a,*}

Albert S. C. Chan^b and Teng-Kuei Yang^c

^aCollege of Chemistry and Chemical Industry, State Key Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou 730000, PR China

^bDepartment of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hong Kong

^cDepartment of Chemistry, National Chung-Hsing University, Taichung, Taiwan

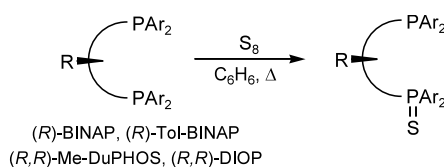


Diphosphine mono-sulfides: Readily available chiral monophosphines

Tetrahedron: Asymmetry 14 (2003) 705

Christopher J. Chapman, Christopher G. Frost, Michael P. Gill-Carey, Gabriele Kociok-Köhn, Mary F. Mahon, Andrew S. Weller and Michael C. Willis*

Department of Chemistry, University of Bath, Bath BA2 7AY, UK

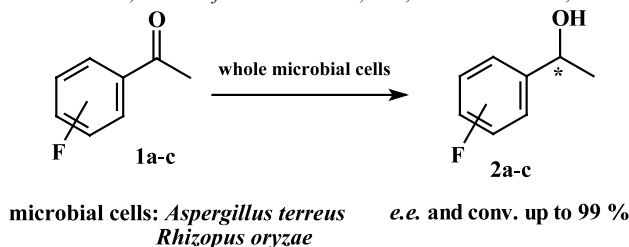


Bioreduction of fluoroacetophenones by the fungi *Aspergillus terreus* and *Rhizopus oryzae*

Tetrahedron: Asymmetry 14 (2003) 711

João V. Comasseto, Álvaro T. Omori, Leandro H. Andrade and André L.M. Porto*

Instituto de Química, Universidade de São Paulo-SP, Av. Prof. Lineu Prestes, 748, CEP 05508-900, São Paulo-SP, Brasil

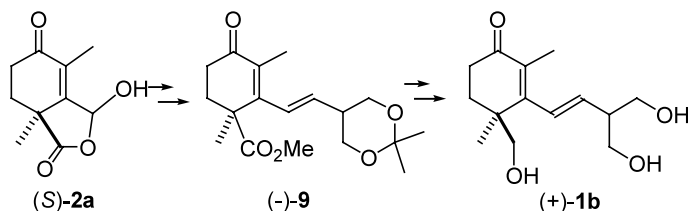


Detours en route to a total synthesis of (+)-cassiol

Tetrahedron: Asymmetry 14 (2003) 717

María I. Colombo, Juan Zinczuk, María L. Bohn and
Edmundo A. Rúveda*

*Instituto de Química Orgánica de Síntesis (CONICET-UNR), Facultad de Ciencias Bioquímicas y Farmacéuticas, Suipacha 531,
2000, Rosario, Argentina*

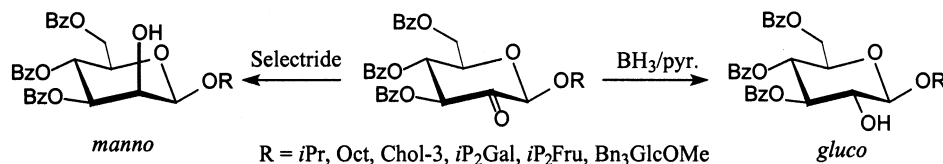


manno- versus gluco-Selectivity in reductions of 2-keto- β -D-arabino-hexopyranosides

Tetrahedron: Asymmetry 14 (2003) 727

Frieder W. Lichtenthaler,* Matthias Lergenmüller, Siegfried Peters and Zsolt Varga

Institut für Organische Chemie, Technische Universität Darmstadt, Petersenstraße 22, D-64287 Darmstadt, Germany

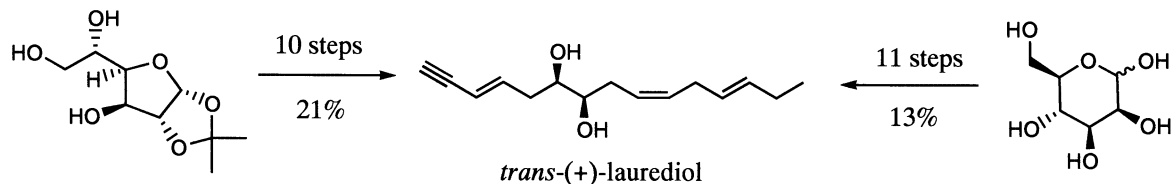


Efficient syntheses of *trans*-(+)-laurediol from carbohydrate precursors

Tetrahedron: Asymmetry 14 (2003) 737

Rajendrakumar Reddy Gadikota, Adam I. Keller, Christopher S. Callam and Todd L. Lowary*

Department of Chemistry, The Ohio State University, Columbus, OH 43210, USA



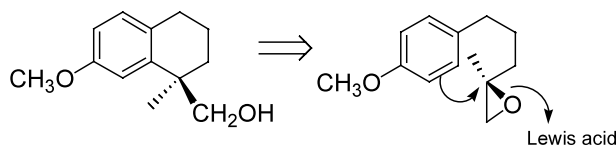
An efficient asymmetric synthesis of key intermediates in the synthesis of aphanorphine and eptazocine

Tetrahedron: Asymmetry 14 (2003) 743

Stephen K. Taylor,* Milica Ivanovic, Lloyd J. Simons and Matthew M. Davis

Department of Chemistry, Hope College, Holland, MI 49422-9000, USA

The cyclization below was used to prepare important intermediates in the synthesis of aphanorphine and eptazocine.

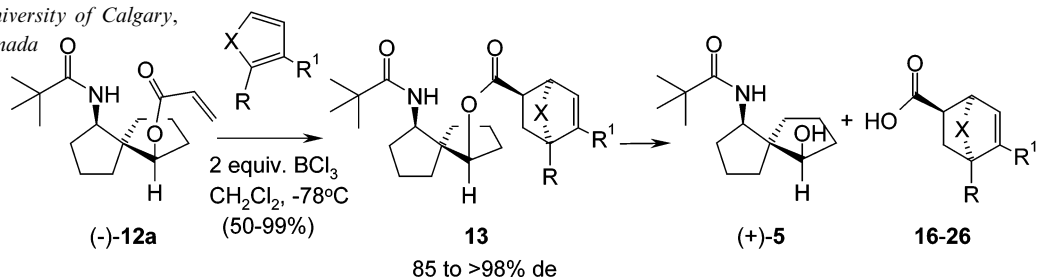


Synthesis of a 1,3-spiro-amino-alcohol-derived chiral auxiliary and its application to Diels–Alder reactions

Tetrahedron: Asymmetry 14 (2003) 749

Susan M. Lait, Masood Parvez and Brian A. Keay*

*Department of Chemistry, University of Calgary,
Calgary, Alta, T2N 1N4, Canada*



Synthesis of (+)-decastrictine L

Tetrahedron: Asymmetry 14 (2003) 757

Julie M. Lukesh and William A. Donaldson*

Department of Chemistry, Marquette University, PO Box 1881, Milwaukee, WI 53201-1881, USA

A total asymmetric synthesis of decastrictine L, a cholesterol biosynthesis inhibitory metabolite isolated from *Penicillium simplicissimum*, from triacetyl-D-glucal is described. The synthesis is completed in 13 steps, with 6.3% overall yield.

