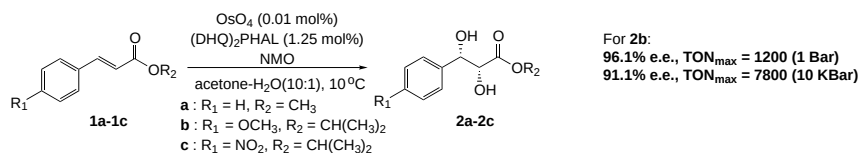
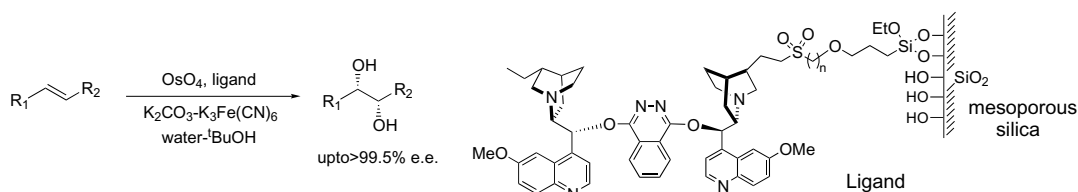
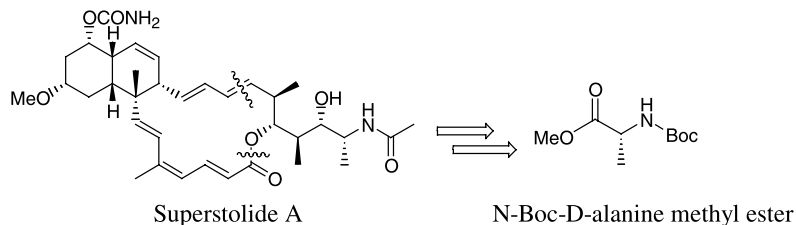


Asymmetric dihydroxylation of *trans*-cinnamates under high-pressure conditions: substantial increase of turnover number*Tetrahedron: Asymmetry 12 (2001) 1533*Choong Eui Song,^{a,*} Chun Rim Oh,^a Eun Joo Roh^a and Jung Hoon Choi^{b,*}^aLife Sciences Division, Korea Institute of Science and Technology, PO Box 131, Cheongryang, Seoul 130-650, South Korea^bDepartment of Chemistry, Hanyang University, Seoul 133-791, South Korea**Asymmetric dihydroxylation using heterogenized cinchona alkaloid ligands on mesoporous silica***Tetrahedron: Asymmetry 12 (2001) 1537*Hong Myung Lee,^a Sang-Wook Kim,^b Taeghwan Hyeon^{b,*} and B. Moon Kim^{a,*}^aCenter for Molecular Catalysis, School of Chemistry and Molecular Engineering, Seoul National University, Seoul 151-742, South Korea^bSchool of Chemical Engineering and Institute of Chemical Processes, Seoul National University, Seoul 151-742, South Korea**Studies towards the synthesis of superstolide A. Synthesis and stereochemical assignment of the C(21)–C(26) fragment of superstolide A***Tetrahedron: Asymmetry 12 (2001) 1543*

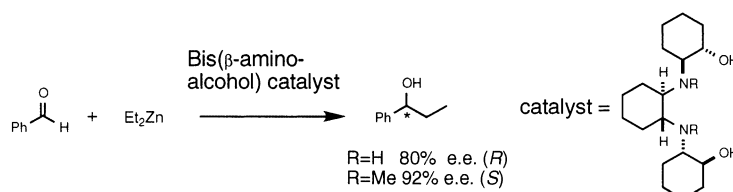
Angela Zampella and Maria Valeria D'Auria*

Dipartimento di Chimica delle Sostanze Naturali, Università degli Studi di Napoli «Federico II», via D. Montesano 49, 80131, Naples, Italy

**Reversal of enantioselectivity using catalysts containing multiple stereogenic centres***Tetrahedron: Asymmetry 12 (2001) 1547*

Alexander J. A. Cobb and Charles M. Marson*

Department of Chemistry, University College London, Christopher Ingold Laboratories, 20 Gordon Street, London WC1H 0AJ, UK



Determination of absolute configuration using vibrational circular dichroism spectroscopy: the chiral sulfoxide 1-thiochroman *S*-oxide

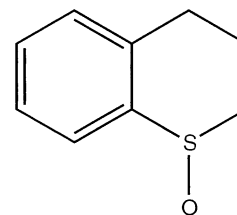
Tetrahedron: Asymmetry 12 (2001) 1551

F. J. Devlin,^a P. J. Stephens,^{a,*} P. Scafato,^b S. Superchi^b and C. Rosini^b

^aDepartment of Chemistry, University of Southern California, Los Angeles, CA 90089-0482, USA

^bDipartimento di Chimica, Università della Basilicata, Via N. Sauro 85, 85100 Potenza, Italy

The absolute configuration (*R*)-(-)/(*S*)-(+ of 1-thiochroman *S*-oxide was determined using vibrational circular dichroism (VCD) spectroscopy.



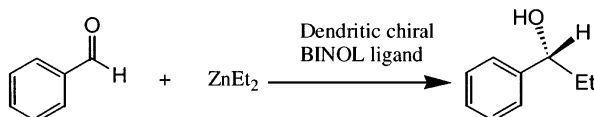
The synthesis of dendritic BINOL ligands and their applications in the enantioselective Lewis acid catalyzed addition of diethylzinc to aldehydes

Tetrahedron: Asymmetry 12 (2001) 1559

Qing-Hua Fan,^{a,*} Guo-Hua Liu,^a Xiao-Min Chen,^a Guo-Jun Deng^a and Albert S. C. Chan^b

^aLMRSS, Center for Molecular Science, Institute of Chemistry, The Chinese Academy of Sciences, Beijing 100080, China

^bOpen Laboratory of Chirotechnology and Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hong Kong, China



Dendritic (*R*)-BINOL:

Conv. 78~98%, e.e. 48.6~66.0%

(*R*)-BINOL: Conv. 19%, e.e. 4.6%

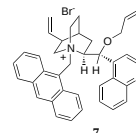
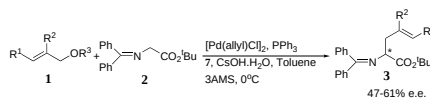
Palladium-catalyzed allylic alkylation of *tert*-butyl-(diphenylmethylene)-glycinate with simple allyl esters under chiral phase transfer conditions

Tetrahedron: Asymmetry 12 (2001) 1567

Guoshu Chen,^a Yijian Deng,^a Liuzhu Gong,^{a,*} Aiqiao Mi,^{a,*} Xin Cui,^a Yaozhong Jiang,^a Michael C. K. Choi^b and Albert S. C. Chan^b

^aUnion Laboratory of Asymmetric Synthesis, Chengdu Institute of Organic Chemistry, Chinese Academy of Sciences, Chengdu 610041, China

^bOpen Laboratory of Chirotechnology and Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hong Kong, China



Synthesis and epimerization of 10-*N*-(6-deoxy-1,2:3,4-di-*O*-isopropylidene- α -D-galactopyranos-6-yl)-(11*aS*)-pyrrolo[2,1-*c*]-[1,4]benzodiazepin-5,11-dione

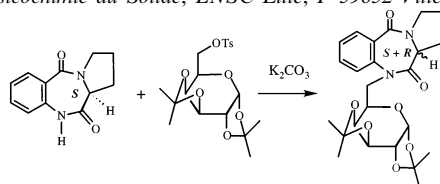
Tetrahedron: Asymmetry 12 (2001) 1573

Driss Bouhlal,^a Patrick Martin,^{b,*} Mohamed Massoui,^a Guy Nowogrocki,^c Serge Pilard,^b Pierre Villa^b and Gérard Goethals^b

^aLaboratoire de Chimie des Agroressources, Faculté des Sciences, Université Ibn Tofail, Kénitra, Maroc

^bLaboratoire des Glucides, Université de Picardie Jules Verne, 33 rue Saint Leu, F-80039 Amiens, France

^cLaboratoire de Cristallographie et Physicochimie du Solide, ENSC Lille, F-59652 Villeneuve d'Ascq, France

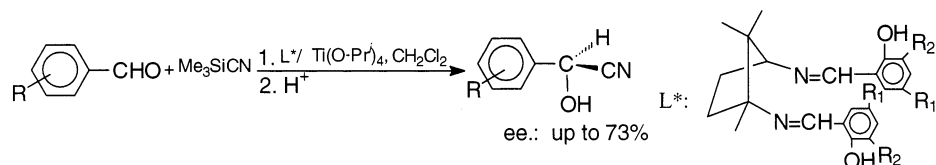


Synthesis of new chiral Schiff bases and their application in the asymmetric trimethylsilylcyanation of aromatic aldehydes

Tetrahedron: Asymmetry 12 (2001) 1579

Zhuo-Hong Yang, Li-Xin Wang, Zheng-Hong Zhou, Qi-Lin Zhou and Chu-Chi Tang*

The State Key Laboratory and Institute of Elemento-Organic Chemistry, Nankai University, Tianjin 300071, PR China

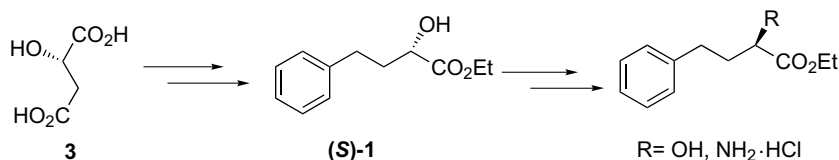


A practical synthesis of ethyl (*R*)- and (*S*)-2-hydroxy-4-phenylbutanoate and D-homophenylalanine ethyl ester hydrochloride from L-malic acid

Tetrahedron: Asymmetry 12 (2001) 1583

Wen-Qing Lin, Ze He, Yi Jing, Xin Cui, Hui Liu and Ai-Qiao Mi*

Union Laboratory of Asymmetric Synthesis, Chengdu Institute of Organic Chemistry, Chinese Academy of Sciences, 610041, Chengdu, China

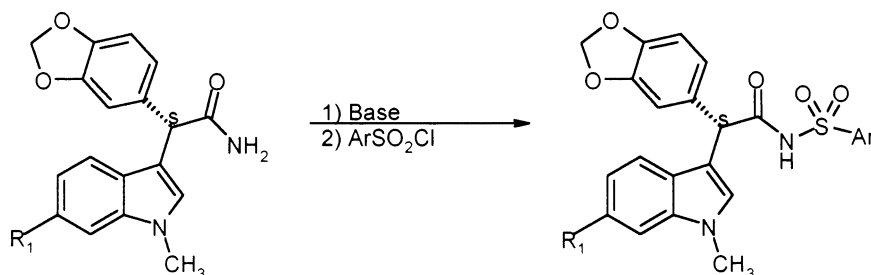


Racemisation-free synthesis of chiral acylsulfonamides

Tetrahedron: Asymmetry 12 (2001) 1589

David Ellis

Discovery Chemistry, Pfizer Global Research and Development, Sandwich CT13 9NJ, UK



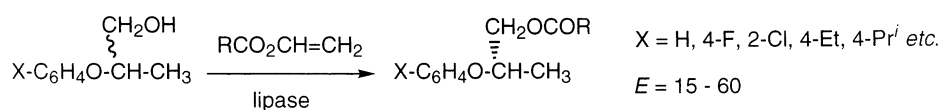
Resolution of 2-aryloxy-1-propanols via lipase-catalyzed enantioselective acylation in organic media

Tetrahedron: Asymmetry 12 (2001) 1595

Toshifumi Miyazawa,^{a,*} Tomoyuki Yukawa,^a Takashi Koshiba,^b Hiroko Sakamoto,^a Shinichi Ueji,^b Ryoji Yanagihara^a and Takashi Yamada^a

^aDepartment of Chemistry, Faculty of Science and Engineering, Konan University, Higashinada-ku, Kobe 658-8501, Japan

^bDivision of Natural Environment and Bioorganic Chemistry, Faculty of Human Development and Sciences, Kobe University, Nada-ku, Kobe 657-8501, Japan



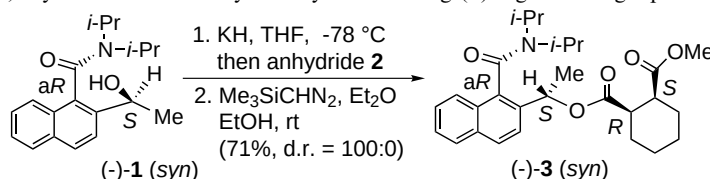
Study on enantiomerically pure 2-substituted *N,N*-dialkyl-1-naphthamides: resolution, absolute stereochemistry, and application to desymmetrization of cyclic *meso* anhydrides

Tetrahedron: Asymmetry 12 (2001) 1603

Wei-Min Dai,^{*} Kelly Ka Yim Yeung, Chun Wo Chow and Ian D. Williams

Department of Chemistry, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong SAR, China

The axially chiral 1-naphthamide (–)-**1** was obtained by HPLC resolution over a chiral stationary phase. The absolute stereochemistry of (–)-**1** was determined by X-ray structural analysis of the (1*S*)-camphanic acid ester derivative. The desymmetrization of *cis*-1,2-cyclohexanedicarboxylic anhydride **2** using (–)-**1** gave a single product, (–)-**3**.



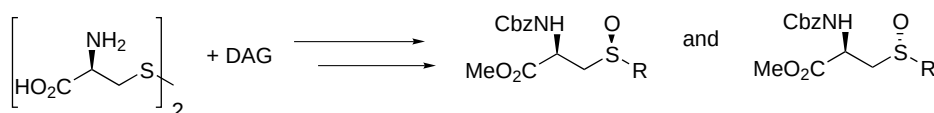
Asymmetric synthesis of both diastereomers of protected *S*-methyl-L-cysteine and *S*-*n*-propyl-L-cysteine sulfoxides

Tetrahedron: Asymmetry 12 (2001) 1615

Victor Guerrero de la Rosa,^a Mario Ordóñez^b and José Manuel Llera^{a,*}

^a*Departamento de Química Orgánica y Farmacéutica. Facultad de Farmacia Universidad de Sevilla, Apdo. de Correos No. 874, E-41071 Sevilla, Spain*

^b*Centro de Investigaciones Químicas. Universidad Autónoma del Estado de Morelos Av. Universidad No. 1001, 62210 Cuernavaca, Mor., Mexico*



Conformational diastereoisomers of PPh₃ coordinated to stereogenic metal centres as molecular optical switches

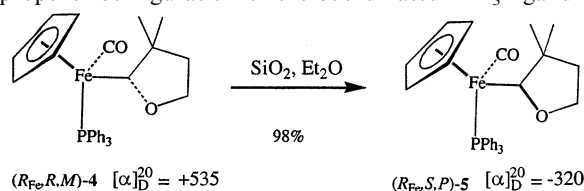
Tetrahedron: Asymmetry 12 (2001) 1621

Andrew P. Ayscough,^a James F. Costello^{b,*} and Stephen G. Davies^{a,*}

^a*Dyson Perrins Laboratory, University of Oxford, South Parks Road, Oxford OX1 3QY, UK*

^b*Department of Chemistry, University of the West of England, Coldharbour Lane, Bristol BS16 1QY, UK*

The specific rotation of (*R*_{Fe},*R*,*M*)-**4** switches sign upon epimerisation to (*R*_{Fe},*S*,*P*)-**5**. X-Ray crystallographic studies suggest that inversion of the propeller configuration of the coordinated PPh₃ ligand is the major contributor to the switch of specific rotation.



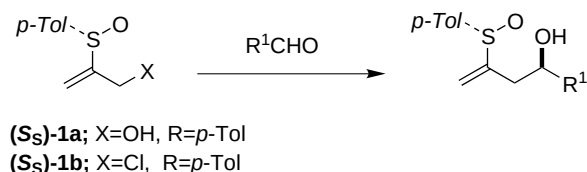
Studies on the diastereoselective allylation of aldehydes with enantiopure 2-sulfinylallyl building blocks

Tetrahedron: Asymmetry 12 (2001) 1625

Francesc Márquez,^{a,b} Amadeu Llebaria^b and Antonio Delgado^{a,b,*}

^a*Universitat de Barcelona, Facultat de Farmàcia, Unitat de Química Farmacèutica, Avgda. Joan XXIII, s/n, 08028 Barcelona, Spain*

^b*Departament de Química Orgànica Biològica, Institut d'Investigacions Químiques i Ambientals de Barcelona (IIQAB-CSIC) Jordi Girona 18-26, 08034 Barcelona, Spain*

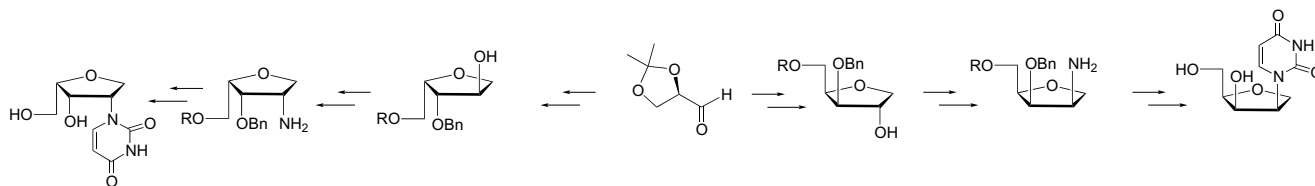


Stereoselective synthesis of both enantiomers of 1,4-anhydro-alditols, 1,4-anhydro-2-amino-alditols and D- and L-isonucleosides from 2,3-O-isopropylidene-D-glyceraldehyde using iodine-induced cyclization as the key step

Tetrahedron: Asymmetry 12 (2001) 1635

Fernando Bravo, Yolanda Díaz and Sergio Castellón*

Departament de Química Analítica i Química Orgànica, Facultat de Química, Universitat Rovira i Virgili, Pl. Imperial Tàrraco 1, 43005 Tarragona, Spain



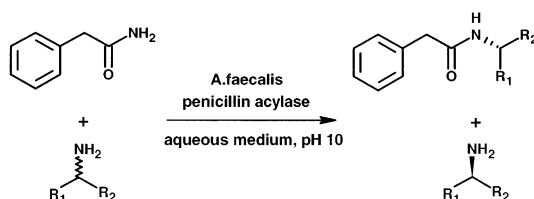
Highly efficient and enantioselective enzymatic acylation of amines in aqueous medium

Tetrahedron: Asymmetry 12 (2001) 1645

Dorel T. Guranda,^a Luuk M. van Langen,^b Fred van Rantwijk,^b Roger A. Sheldon^b and Vytas K. Švedas^{a,*}

^aBelozersky Institute of Physico-Chemical Biology, Lomonosov Moscow State University, Moscow 119899, Russia

^bLaboratory of Biocatalysis and Organic Chemistry, Delft University of Technology, Julianalaan 136, 2628 BL Delft, The Netherlands

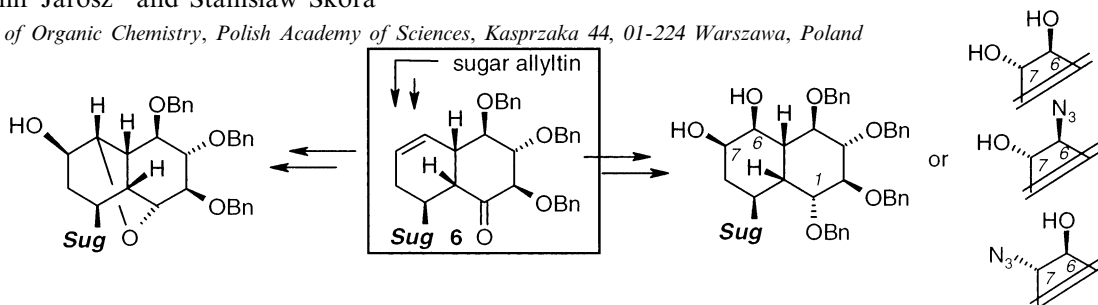


Sugar allyltins in the synthesis of carbobicycles. Preparation of highly oxygenated enantiomerically pure decalins

Tetrahedron: Asymmetry 12 (2001) 1651

Sławomir Jarosz* and Stanisław Skóra

Institute of Organic Chemistry, Polish Academy of Sciences, Kasprzaka 44, 01-224 Warszawa, Poland



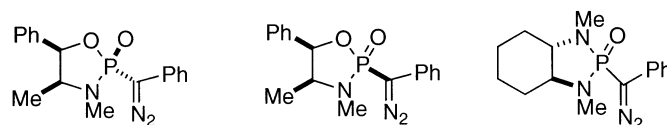
Preparation of chiral α -diazophosphonic acid derivatives

Tetrahedron: Asymmetry 12 (2001) 1657

Christopher J. Moody,^{a,*} C. Neil Morfitt^a and Alexandra M. Z. Slawin^b

^aSchool of Chemistry, University of Exeter, Stocker Road, Exeter EX4 4QD, UK

^bSchool of Chemistry, University of St. Andrews, Fife, Scotland KY16 9ST, UK



Highly efficient resolution of ($\pm$)-Tramadol with di-*p*-toluoyl-tartaric acid (DTTA)

Tetrahedron: Asymmetry 12 (2001) 1663

Graham R. Evans,* James A. Henshilwood and John O'Rourke

Process Research and Development Department, Celltech R & D, Granta Park, Great Abington, Cambridge CB1 6GS, UK

