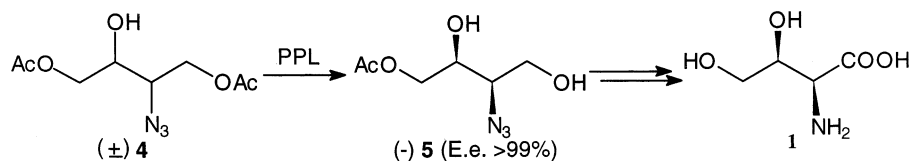


Porcine pancreatic lipase mediated regio- and stereoselective hydrolysis: chemoenzymatic synthesis of (2*S*,3*S*)-2-amino-3,4-dihydroxybutyric acid

N. W. Fadnavis,* Mohd. Sharfuddin and S. Kumara Vadivel

Biotransformation Laboratory, Indian Institute of Chemical Technology, Hyderabad 500 007, India

Tetrahedron: Asymmetry 12 (2001) 691

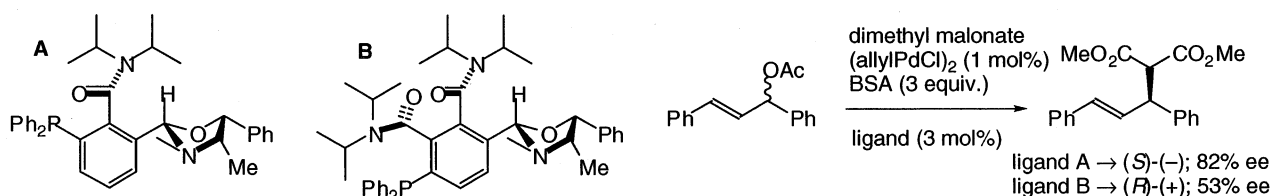


Using amide conformation to 'project' the stereochemistry of an (–)-ephedrine-derived oxazolidine: a pair of pseudoenantiomeric chiral amido-phosphine ligands

Jonathan Clayden,* Lai Wah Lai and Madeleine Helliwell

Department of Chemistry, University of Manchester, Oxford Road, Manchester M13 9PL, UK

Tetrahedron: Asymmetry 12 (2001) 695



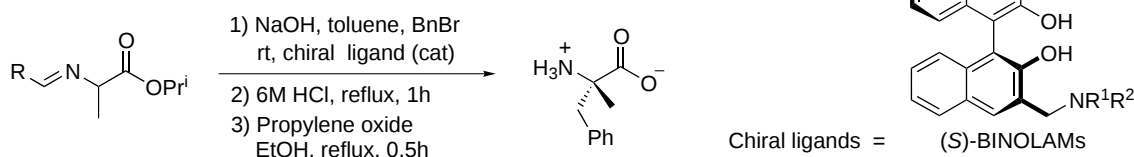
Enantioselective synthesis of (S)- α -methylphenylalanine using (S)-BINOLAMs as new phase-transfer catalysts

Jesús Casas,^a Carmen Nájera,^{a,*} José M. Sansano,^a José González,^b José M. Saá^{b,*} and Manuel Vega^b

^a*Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Alicante, Apartado 99, 03080 Alicante, Spain*

^b*Departament de Química, Universitat de les Illes Balears, Palma de Mallorca 07071, Spain*

Tetrahedron: Asymmetry 12 (2001) 699

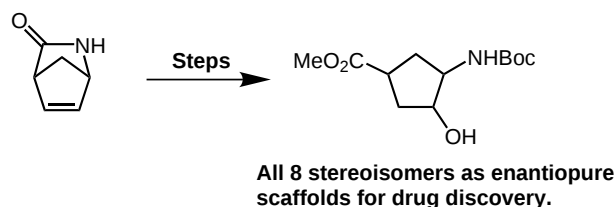


An efficient route to all eight stereoisomers of a tri-functionalised cyclopentane scaffold for drug discovery

Mark E. B. Smith,* Michael C. Lloyd, Nadine Derrien, Richard C. Lloyd, Stephen J. C. Taylor, David A. Chaplin, Guy Casy and Raymond McCague

ChiroTech, Ascot Fine Chemicals, Unit 321, Cambridge Science Park, Milton Road, Cambridge CB4 0WG, UK

Tetrahedron: Asymmetry 12 (2001) 703



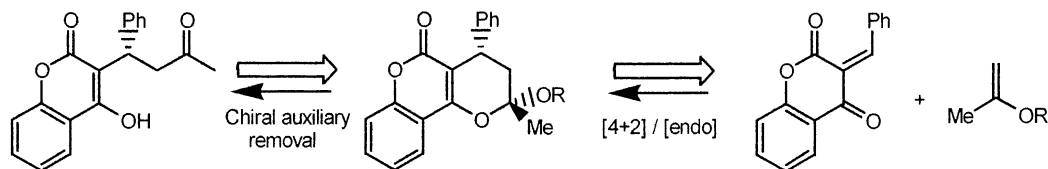
An asymmetric approach to coumarin anticoagulants via hetero-Diels–Alder cycloaddition

Tetrahedron: Asymmetry 12 (2001) 707

Giancarlo Cravotto,^{a,*} Gian Mario Nano,^a Giovanni Palmisano^{b,*} and Silvia Tagliapietra^a

^aDipartimento di Scienza e Tecnologia del Farmaco, Via Giuria 9, 10125 Turin, Italy

^bDipartimento di Scienze Chimiche, Fisiche e Matematiche, Via Valleggio 11, 22100 Como, Italy



A stereochemical study of optically active thiazolidines

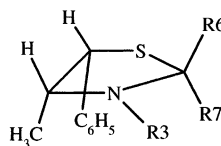
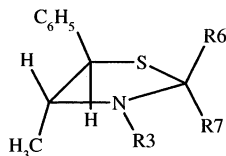
Tetrahedron: Asymmetry 12 (2001) 711

Alejandro Cruz,^{a,*} Aurora Vázquez-Badillo,^b Iris Ramos-García^b and Rosalinda Contreras^{b,*}

^aDepartamento de Química, Unidad Profesional Interdisciplinaria de Biotecnología del IPN, Av. Acueducto de Guadalupe s/n Col. Barrio la Laguna Ticoman, Mexico

^bDepartamento de Química, Centro de Investigación y de Estudios Avanzados del IPN, A.P. 14-740, CP 07000, Mexico

Optically Active Thiazolidines.



R3 = H, CH₃

R6 = R7 = H

R6 = R7 = CH₃

R6 = H, R7 = CH₃

R6 = CH₃, R7 = H

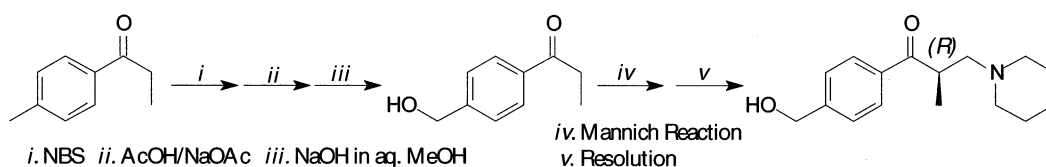
Synthesis, resolution and absolute configuration of a tolperisone metabolite

Tetrahedron: Asymmetry 12 (2001) 719

József Bálint,^a Imre Markovits,^{a,*} Gabriella Egri,^a Zsuzsanna Tuza,^a László Párkányi^b and Elemér Fogassy^a

^aDepartment of Organic Chemical Technology, Budapest University of Technology and Economics, H-1521 Budapest, PO Box 91, Hungary

^bInstitute of Chemistry, Chemical Research Centre, H.A.S., H-1525 Budapest, PO Box 17, Hungary



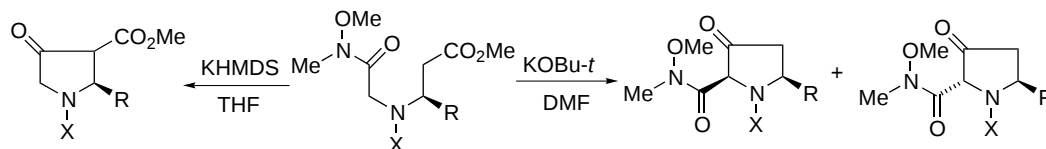
Synthesis of enantiopure *N*-protected 4,5-disubstituted 3-pyrrolidinones and *N*-protected 2,5-disubstituted 3-pyrrolidinones via the Dieckmann reaction of dicarbonyl compounds derived from enantiopure β -amino esters

Tetrahedron: Asymmetry 12 (2001) 725

Yue Wang^a and Dawei Ma^{b,*}

^aDepartment of Chemistry, Fudan University, Shanghai 200433, China

^bState Key Laboratory of Bioorganic and Natural Products Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai 200032, China



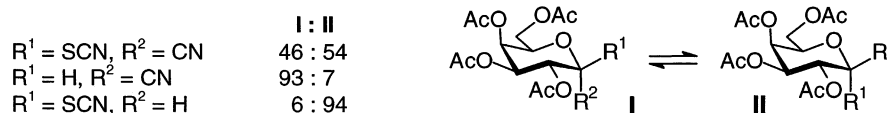
Studies into the preparation of 1-deoxy-1-thiocyanato-D-glycopyranosyl cyanides and the anomeric effect of the thiocyanate group

Tetrahedron: Asymmetry 12 (2001) 731

László Somsák,^{a,*} Katalin Czifrák,^a Tamás Deim,^a László Szilágyi^a and Attila Bényei^b

^aDepartment of Organic Chemistry, University of Debrecen, POB 20, H-4010 Debrecen, Hungary

^bDepartment of Physical Chemistry, Laboratory for X-ray Diffraction, University of Debrecen, POB 7, H-4010 Debrecen, Hungary

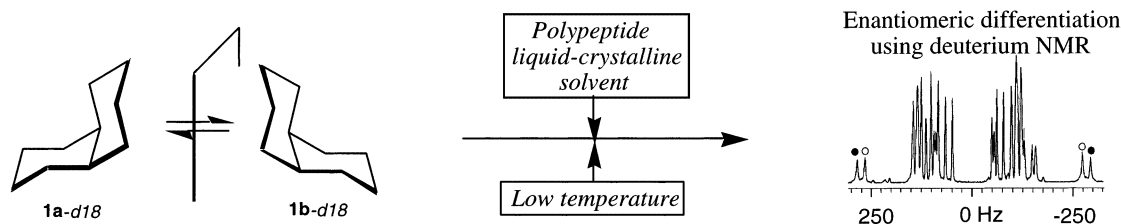


Enantiomeric recognition of chiral invertomers through NMR in chiral oriented phases: a study of *cis*-decalin

Tetrahedron: Asymmetry 12 (2001) 737

Muriel Sarfati, Christie Aroulanda, Jacques Courtieu and Philippe Lesot*

Laboratoire de Chimie Structurale Organique, CNRS ESA 8074, ICMO, Bât. 410, Université de Paris-Sud, 91405 Orsay, France



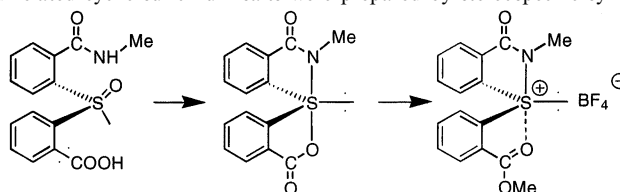
Stereospecific synthesis and hydrolysis of optically active diaryl(acylamino)(acyloxy)spiro- λ^4 -sulfanes and related cyclic diaryl(acylamino)sulfonium salts

Tetrahedron: Asymmetry 12 (2001) 745

Jenő Varga, Dénes Szabó,* Cecília P. Sár and István Kapovits

Department of Organic Chemistry, Eötvös Loránd University, H-1518 Budapest 112, PO Box 32, Hungary

Optically active spiro- λ^4 -sulfanes and related cyclic sulfonium salts were prepared by stereospecific synthesis.



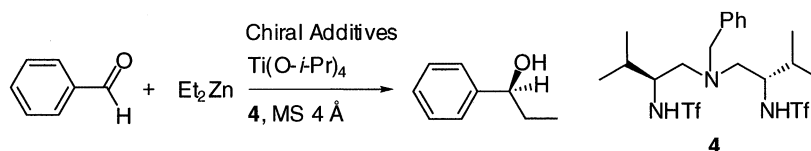
Ti-mediated addition of diethylzinc to benzaldehyde. The effect of chiral additives

Tetrahedron: Asymmetry 12 (2001) 755

Fredrik Lake and Christina Moberg*

Department of Chemistry, Organic Chemistry, Royal Institute of Technology, SE-100 44 Stockholm, Sweden

The effects of 24 chiral additives on the Ti-mediated addition of diethylzinc to benzaldehyde were examined in the presence of **4**; e.e.s of the products ranged from 26% for the (*R*)-enantiomer to 72% for the (*S*)-enantiomer.



Belokon's Ni(II) complex as a chiral masked glycine for the diastereoselective synthesis of 2-substituted 1-aminocyclopropane carboxylic acids

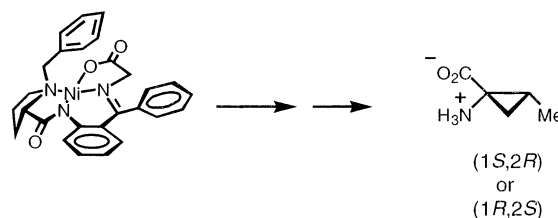
Abdelmadjid Debache,^a Sylvain Collet,^b Patrick Bauchat,^b Daniel Danion,^b Lisenn Euzenat,^b Alain Hercouet^b and Bertrand Carboni^{b,*}

^aInstitut de Chimie, Université de Constantine, 25000 Constantine, Algeria

^bSynthèse et Électrosynthèse Organiques, UMR CNRS 6510,

Institut de Chimie, Université de Rennes 1, Avenue du Général Leclerc,

F-35042 Rennes Cedex, France

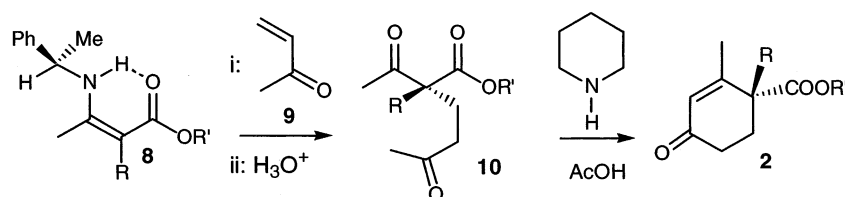


Tetrahedron: Asymmetry 12 (2001) 761

Easy access to optically active Hagemann's esters

Mohammed Nour,* Kimny Tan, Raphael Jankowski and Christian Cavé

Unité de Molécules d'Intérêt Biologique JE 2244, UFR de Pharmacie, BP 87900, 21079 Dijon cedex, France



a : R = Me, R' = Et
b : R = Et, R' = Et
c : R = Allyl, R' = Me
d : R = Bn, R' = Me

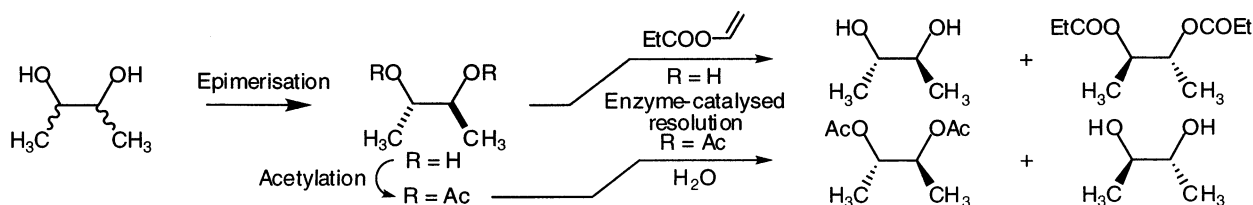
E.e = 93-96 %

Tetrahedron: Asymmetry 12 (2001) 765

Chemoenzymatic preparation of (2*S*,3*S*)- and (2*R*,3*R*)-2,3-butanediols and their esters from mixtures of *d,l*- and *meso*-diols

Rong Liu and Hans-Erik Högberg*

Chemistry, Department of Natural and Environmental Sciences, Mid Sweden University, SE-851 70 Sundsvall, Sweden



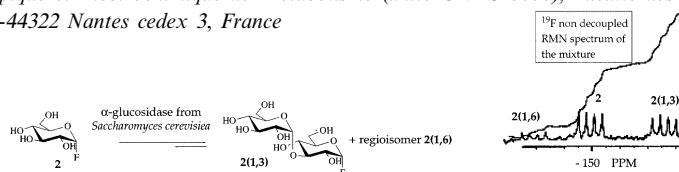
Tetrahedron: Asymmetry 12 (2001) 771

In situ ¹⁹F NMR spectroscopy study of enzymatic trans-glycosylation reactions using α-D-aldohexopyranosyl fluorides as donors and acceptors

Corinne André,^a Petra Spangenberg,^a Emmanuel Gentil^b and Claude Rabiller^{a,*}

^aUnité de Recherches en Biocatalyse (unité CNRS 2230), Faculté des Sciences et des Techniques, 2, rue de la Houssinière, BP 92208, F-44322 Nantes cedex 3, France

^bLaboratoire d'Analyse Isotopique et Electrochimique de Métabolisme (unité CNRS 6006), Faculté des Sciences et des Techniques, 2, rue de la Houssinière, BP 92208, F-44322 Nantes cedex 3, France



Tetrahedron: Asymmetry 12 (2001) 779

Kinetic resolution of a dihydrobenzofuran-type neolignan by lipase-catalysed acetylation

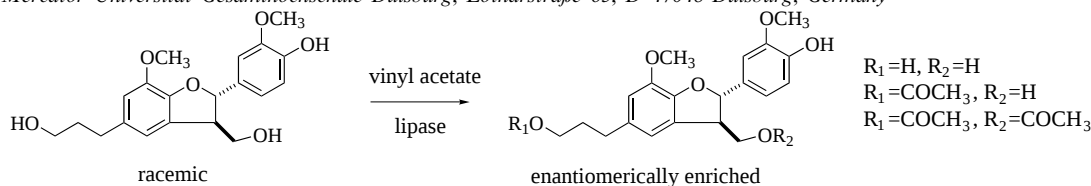
Tetrahedron: Asymmetry 12 (2001) 785

Stefaan M. O. Van Dyck,^a Guy L. F. Lemi re,^{a,*} Tim H. M. Jonckers,^a Roger Dommis e,^a Luc Pieters^b and Volker Buss^c

^aDepartment of Chemistry, University of Antwerp (RUCA), Groenenborgerlaan 171, B-2020 Antwerp, Belgium

^bDepartment of Pharmaceutical Sciences, University of Antwerp (UIA), Universiteitsplein 1, B-2610 Wilrijk, Belgium

^cGerhard-Mercator-Universit t-Gesamthochschule Duisburg, Lotharstra e 65, D-47048 Duisburg, Germany



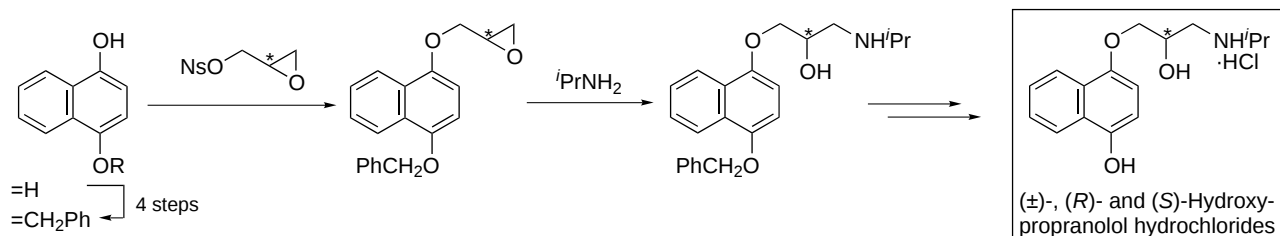
Synthesis of enantiomeric 4-hydroxypropanolols from 1,4-dihydroxynaphthalene

Tetrahedron: Asymmetry 12 (2001) 791

Takuya Kumamoto,^a Naho Aoyama,^a Satoko Nakano,^a Tsutomu Ishikawa^{a,*} and Shizuo Narimatsu^b

^aFaculty of Pharmaceutical Sciences, Chiba University, 1-33 Yayoi, Inage, Chiba 263-8522, Japan

^bFaculty of Pharmaceutical Sciences, Okayama University, 1-1-1 Tsushima-naka, Okayama 700-8530, Japan



Absolute sense of twist of the benzil molecule in its enantiomorphous crystals and inclusion complexes with optically active hosts

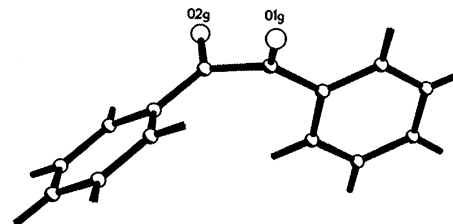
Tetrahedron: Asymmetry 12 (2001) 797

Tadeusz Po nski,^{a,*} Monika Szyrszyng,^a Maria Gdaniec,^b El zbieta Nowak^b and Aleksander Herman^a

^aDepartment of Chemistry, Technical University, 80-952 Gda nsk, Poland

^bFaculty of Chemistry, A. Mickiewicz University, 60-780 Pozna , Poland

Optical activity of the benzil molecule can be generated by a spontaneous crystallization or inclusion complexation with the steroidal bile acids.



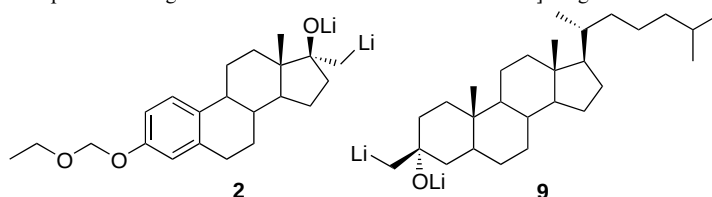
Synthesis of functionalised enantiopure steroids from estrone and cholestanone through organolithium intermediates

Tetrahedron: Asymmetry 12 (2001) 801

Miguel Yus,^{*} Tatiana Soler and Francisco Foubelo

Departamento de Qu mica Org nica, Facultad de Ciencias, Universidad de Alicante, Apdo. 99, 03080 Alicante, Spain

Intermediates **2** and **9** react with different electrophiles [H_2O , D_2O , Me_3SiCl , CO_2 , $PhCHO$, Me_2CO , Et_2CO , $(CH_2)_3CO$, O -protected estrone and cholestanone, and protected D-glucose or D-fructose ketone derivatives] to give structurally modified steroids.



Enantiopure poly(glycidyl methacrylate-co-ethylene glycol dimethacrylate): a new material for supported catalytic asymmetric hydrogen transfer reduction

Tetrahedron: Asymmetry 12 (2001) 811

Alice Rolland,^a Damien Hérault,^a François Touchard,^a Christine Saluzzo,^a Raphaël Duval^b and Marc Lemaire^{a,*}

^aLaboratoire de Catalyse et Synthèse Organique, UMR 5622, UCBL, CPE, 43 Bd du 11 novembre 1918, 69622 Villeurbanne Cedex, France

^bSociété CHIRALSEP, Parc d'activités de la Boissière, 11 rue de la Boissière, 76170 La Frenaye, France

Amino alcohol polymers were utilized as catalytic ligands in the hydrogen transfer reduction of acetophenone.

