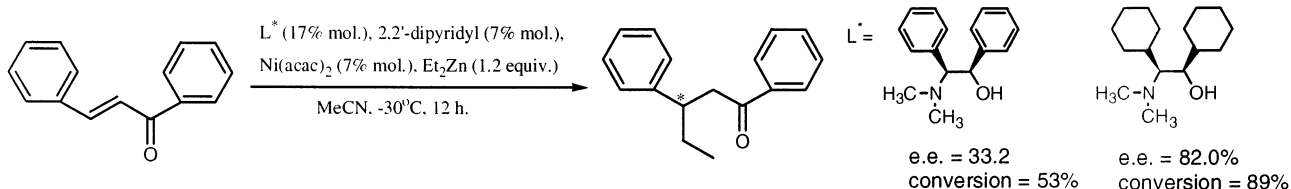


Synthesis of *N,N*-dimethyl-2-amino-1,2-dicyclohexylethanol and its application in the enantioselective conjugate addition of diethylzinc to enones: a convenient upgrade of the chiral ligand via hydrogenation

Tetrahedron: Asymmetry 12 (2001) 2301

Pui-Erh Tong, Pei Li and Albert S. C. Chan*

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

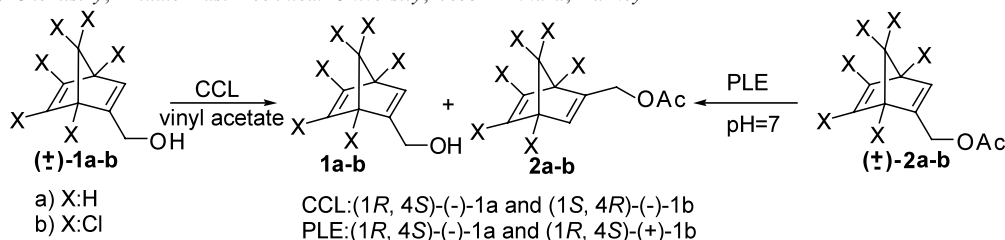


Resolution of (\pm)-2-substituted norbornadiene and hexachloro-norbornadiene derivatives using CCL and PLE

Tetrahedron: Asymmetry 12 (2001) 2305

Cihangir Tanyeli,* Gamze Çelikel and İdris Mecidoğlu Akhmedov

Department of Chemistry, Middle East Technical University, 06531 Ankara, Turkey

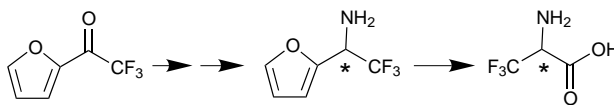


An asymmetric synthesis of both enantiomers of 2,2,2-trifluoro-1-furan-2-yl-ethylamine and 3,3,3-trifluoroalanine from 2,2,2-trifluoro-1-furan-2-yl-ethanone

Tetrahedron: Asymmetry 12 (2001) 2309

Ayhan S. Demir,* Özge Sesenoglu and Zuhul Gerçek-Arkin

Department of Chemistry, Middle East Technical University, 06531 Ankara, Turkey

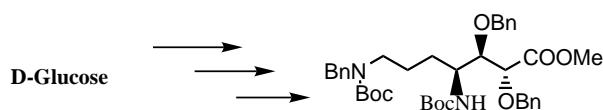


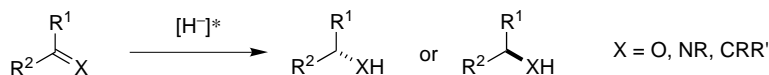
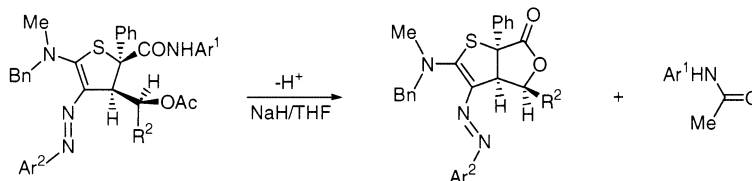
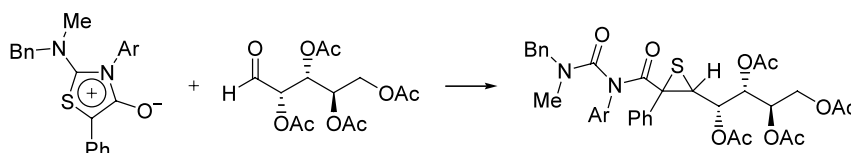
Chiron approach to callipeltin A: first synthesis of fully protected (2*R*,3*R*,4*S*)-4,7-diamino-2,3-dihydroxy heptanoic acid

Tetrahedron: Asymmetry 12 (2001) 2315

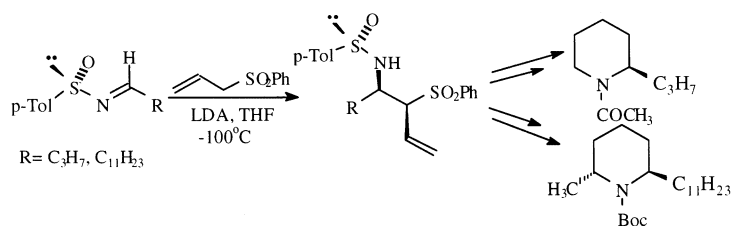
S. Chandrasekhar,* T. Ramachandar and B. Venkateswara Rao

Indian Institute of Chemical Technology, Hyderabad 500 007, India



Enantioselective reductions by chirally modified alumino- and borohydrides*Tetrahedron: Asymmetry 12 (2001) 2225*Paola Daverio^a and Matteo Zanda^{b,c,*}^aHoneywell PFC Italiana S.r.l., R&D Department, Bulciago (LC), Italy^bDipartimento di Chimica del Politecnico di Milano, via Mancinelli 7, I-20131 Milan, Italy^cCNR, Centro di Studio sulle Sostanze Organiche Naturali, via Mancinelli 7, I-20131 Milan, Italy**Carbohydrates as chiral controllers: synthesis of dihydrothieno-[2,3-c]furanones***Tetrahedron: Asymmetry 12 (2001) 2261*Martín Avalos,^a Reyes Babiano,^a Pedro Cintas,^a Fernando R. Clemente,^a Ruth Gordillo,^a Michael B. Hursthouse,^b José L. Jiménez,^{a,*} Mark E. Light^b and Juan C. Palacios^a^aDepartamento de Química Orgánica, Facultad de Ciencias, Universidad de Extremadura, E-06071 Badajoz, Spain^bDepartment of Chemistry, The University of Southampton, Highfield, Southampton SO17 1BJ, UK**A cycloaddition strategy for the synthesis of thirane-containing glycomimetics***Tetrahedron: Asymmetry 12 (2001) 2265*Martín Avalos,^a Reyes Babiano,^a Pedro Cintas,^a Fernando R. Clemente,^a Ruth Gordillo,^a Michael B. Hursthouse,^b José L. Jiménez,^a Mark E. Light^b and Juan C. Palacios^{a,*}^aDepartamento de Química Orgánica, Facultad de Ciencias, Universidad de Extremadura, E-06071 Badajoz, Spain^bDepartment of Chemistry, The University of Southampton, Highfield, Southampton SO17 1BJ, UK**Asymmetric syntheses of *N*-acetyl-(*R*)-coniine and *N*-Boc-(2*R*,6*R*)-solenopsin A via ring-closing metathesis***Tetrahedron: Asymmetry 12 (2001) 2269*Ramaiah Kumareswaran and Alfred Hassner^{*}

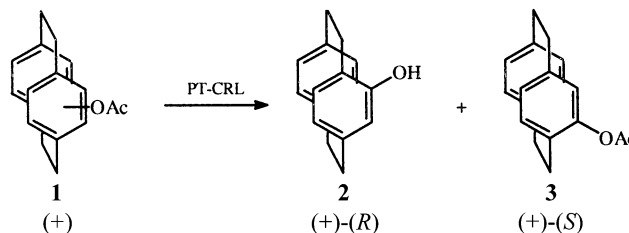
Department of Chemistry, Bar Ilan University, Ramat Gan 52 900, Israel



Influence of pH and temperature on the enantioselectivity of propan-2-ol-treated *Candida rugosa* lipase in the kinetic resolution of (\pm)-4-acetoxy-[2,2]-paracyclophane

Tetrahedron: Asymmetry 12 (2001) 2277

Antonio Cipiciani,* Francesca Bellezza, Francesco Fringuelli and Maria Grazia Silvestrini
Dipartimento di Chimica, Università di Perugia, Via Elce di Sotto 8, 06100 Perugia, Italy

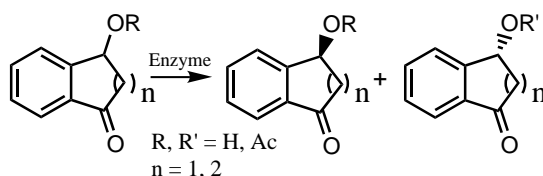


Efficient enzymatic kinetic resolution of 4-hydroxytetralone and 3-hydroxyindanone

Tetrahedron: Asymmetry 12 (2001) 2283

S. Joly and Mangalam S. Nair*

Organic Chemistry Division, Regional Research Laboratory (CSIR), Trivandrum 695 019, India



Synthesis and enantiomer separation of a modified tris(2,2'-bipyridine)ruthenium(II) complex

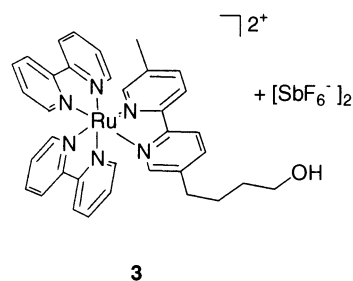
Tetrahedron: Asymmetry 12 (2001) 2289

Elisabeth Holder,^a Gabriele Schoetz,^b Volker Schurig^b and Ekkehard Lindner^{a,*}

^aInstitute of Inorganic Chemistry, University of Tuebingen, Auf der Morgenstelle 18, 72076 Tuebingen, Germany

^bInstitute of Organic Chemistry, University of Tuebingen, Auf der Morgenstelle 18, 72076 Tuebingen, Germany

The chiral modified tris(2,2'-bipyridine)ruthenium(II) complex **3** was synthesized, characterized, and separated for the first time into enantiomers by electrokinetic chromatography (EKC) using anionic carboxymethyl- β -cyclodextrin as chiral mobile phase additive (CMPA). The described EKC separation offers the possibility of determining enantiomeric ratios with minute sample consumption.



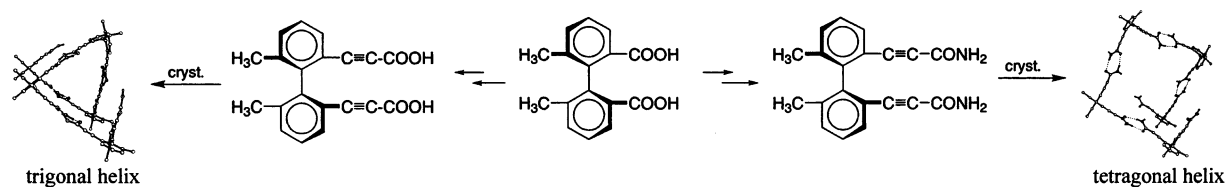
Helix-forming self-assembly of enantiopure 2,2'-dimethylbiphenyl-6,6'-dipropiolic acid and amide organized by hydrogen bonds

Tetrahedron: Asymmetry 12 (2001) 2295

Miloš Tichý,^a Petr Holý,^a Jiří Závada,^{a,*} Ivana Císařová^b and Jaroslav Podlaha^b

^aInstitute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic, 166 10 Prague, Czech Republic

^bDepartment of Inorganic Chemistry, Charles University, 128 40 Prague, Czech Republic

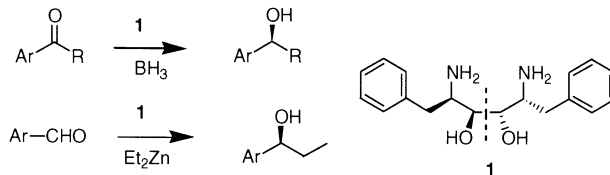


Catalytic enantioselective synthesis of secondary alcohols using C₂-symmetric diamino diol ligands

Tetrahedron: Asymmetry 12 (2001) 2323

Biao Jiang,* Yan Feng and Jian-Feng Hang

Laboratory of Organometallic Chemistry, The Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Road, Shanghai 200032, PR China



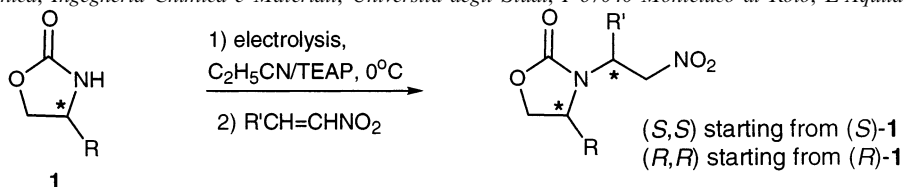
Electrochemical generation of chiral oxazolidin-2-ones anions: a new procedure for the highly diastereoselective conjugate addition to nitroalkenes

Tetrahedron: Asymmetry 12 (2001) 2331

Marta Feroci,^a Achille Inesi,^{b,*} Laura Palombi^{b,*} and Leucio Rossi^b

^aDipartimento di Ingegneria Chimica, Materiali, Materie Prime e Metallurgia, Università 'La Sapienza', Via Castro Laurenziano 7, I-00161, Roma, Italy

^bDipartimento di Chimica, Ingegneria Chimica e Materiali, Università degli Studi, I-67040 Montelucio di Roio, L'Aquila, Italy

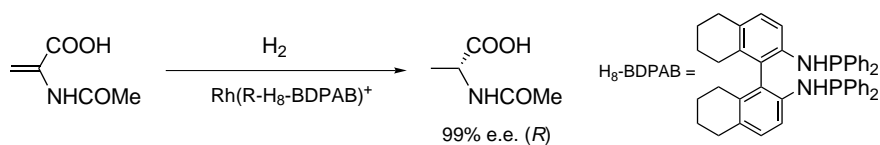


A comparison of the asymmetric hydrogenation catalyzed by rhodium complexes containing chiral ligands with a binaphthyl unit and that with a 5,5',6,6',7,7',8,8'-octahydro-binaphthyl unit

Tetrahedron: Asymmetry 12 (2001) 2337

Fu-Yao Zhang, Wai Him Kwok and Albert S. C. Chan*

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



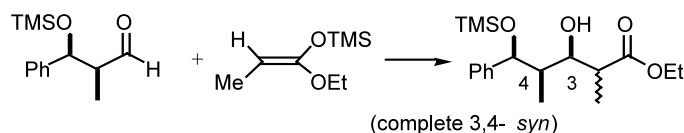
Superior substrate control on diastereoselection in boric Lewis acid-promoted aldol reactions. Asymmetric synthesis of a 3,4-syn homologous series of ethyl 3,5-dihydroxy-2,4-dimethyl-5-phenylpentanoates

Tetrahedron: Asymmetry 12 (2001) 2343

Syun-ichi Kiyooka,^{a,*} Kazi A. Shahid,^b Kazunori Murai,^a Yong-Nan Li,^a Momotoshi Okazaki^b and Yoshihiro Shuto^b

^aDepartment of Chemistry, Faculty of Science, Kochi University, 2-5-1 Akebono-cho, Kochi 780-8520, Japan

^bThe United Graduate School of Agricultural Sciences, Ehime University, 3-5-7 Tarumi, Matsuyama 790-8566, Japan



Synthesis of 4-aryl-substituted β -lactam enantiomers by enzyme-catalyzed kinetic resolution

Enikő Forró and Ferenc Fülöp*

*Institute of Pharmaceutical Chemistry,
University of Szeged, H-6701 Szeged,
PO Box 121, Hungary*

The two enantiomers of 4-phenyl- and 4-(*p*-tolyl)-2-azetidinones were prepared either by (*R*)-acylation of (\pm)-1 or by (*R*)-hydrolysis of (\pm)-2 using lipase PS in organic solvent.

