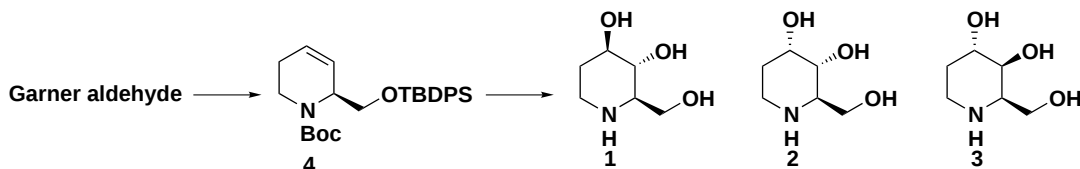
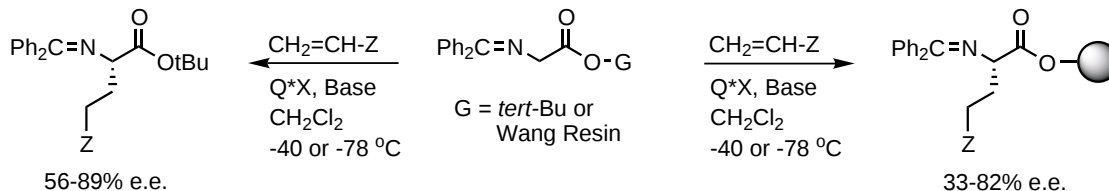
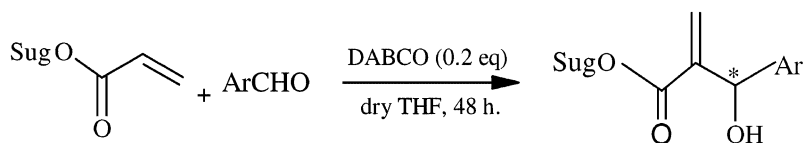
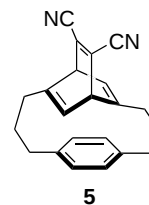


Asymmetric synthesis of fagomine and its congenersYasunori Banba,^a Chiemi Abe,^a Hideo Nemoto,^a Atsushi Kato,^b Isao Adachi^b and Hiroki Takahata^{a,*}^aFaculty of Pharmaceutical Sciences, Toyama Medical & Pharmaceutical University, Sugitani 2630, Toyama 930-0194, Japan^bDepartment of Hospital Pharmacy, Toyama Medical & Pharmaceutical University, Sugitani 2630, Toyama 930-0194, Japan*Tetrahedron: Asymmetry 12 (2001) 817***Enantioselective solution- and solid-phase synthesis of glutamic acid derivatives via Michael addition reactions**Martin J. O'Donnell,^{a,*} Francisca Delgado,^a Esteban Domínguez,^b Jesús de Blas^b and William L. Scott^c^aDepartment of Chemistry, Indiana University Purdue University at Indianapolis, Indianapolis, IN 46202, USA^bCentro de Investigación Lilly, S.A. Avda de la Industria 30, 28108 Alcobendas, Madrid, Spain^cChemistry Research Technologies, Lilly Research Laboratories, Indianapolis, IN 46285, USA*Tetrahedron: Asymmetry 12 (2001) 821***Asymmetric Baylis–Hillman reaction using sugar acrylates—synthesis of optically active α -methylene- β -hydroxy alkanoates**Palakodety Radha Krishna,^{*} V. Kannan, A. Ilangoan and G. V. M. Sharma

Discovery Laboratory, Organic Chemistry Division III, Indian Institute of Chemical Technology, Hyderabad 500 007, India

A study on asymmetric Baylis–Hillman reaction with sugar acrylates and various aldehydes is reported.

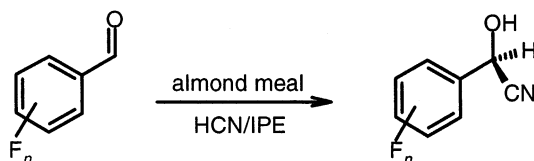
Tetrahedron: Asymmetry 12 (2001) 829**Resolution and chiroptical properties of [3₂](1,4)barrelenophanedicarbonitrile**Wakana Matsuda-Sentou^{a,b} and Teruo Shinmyozu^{a,*}^aInstitute for Fundamental Research of Organic Chemistry (IFOC), Graduate School of Science, Kyushu University, Fukuoka 812-8581, Japan^bDepartment of Chemistry, Graduate School of Science, Kyushu University, Fukuoka 812-8581, JapanThe first optically active barrelenophanes (+)- and (–)-**5** with C₂ symmetry have been completely resolved by HPLC separation using a Chiralcel OD. The specific rotations, circular dichroism, intramolecular CT band and X-ray structure are reported.*Tetrahedron: Asymmetry 12 (2001) 839*

(R)-Oxynitrilase-catalyzed hydrocyanation: the first synthesis of optically active fluorinated mandelonitriles

Tetrahedron: Asymmetry 12 (2001) 843

Shiqing Han, Peiran Chen, Guoqiang Lin,* Hao Huang and Zuyi Li

Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai 200032, China

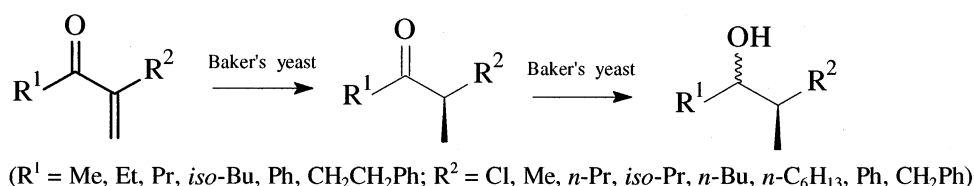


Baker's yeast reduction of α -methylene ketones

Tetrahedron: Asymmetry 12 (2001) 847

Ezequias P. Siqueira Filho, J. Augusto R. Rodrigues and Paulo J. S. Moran*

Universidade Estadual de Campinas, Instituto de Química, 13081-970 Campinas-SP, Brazil



Lipase-mediated kinetic resolution of rigid clofibrate analogues with lipid-modifying activity

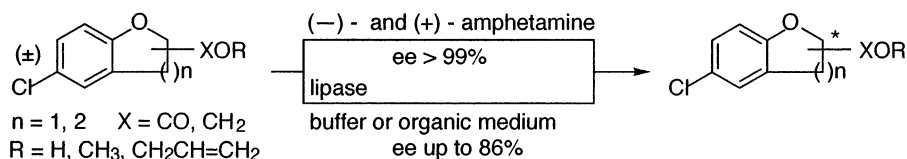
Tetrahedron: Asymmetry 12 (2001) 853

Savina Ferorelli,^a Carlo Franchini,^a Fulvio Loiodice,^a Maria Grazia Perrone,^a Antonio Scilimati,^{a,*} Maria Stefania Sinicropi^b and Paolo Tortorella^c

^aDipartimento Farmaco-Chimico, Università di Bari, Via E. Orabona, no. 4, 70125 Bari, Italy

^bDipartimento di Scienze Farmaceutiche, Università della Calabria, 87030 Arcavacata di Rende (CS), Italy

^cDipartimento di Scienze del Farmaco, Università degli Studi 'G. D'Annunzio', Via dei Vestini, 66100 Chieti, Italy

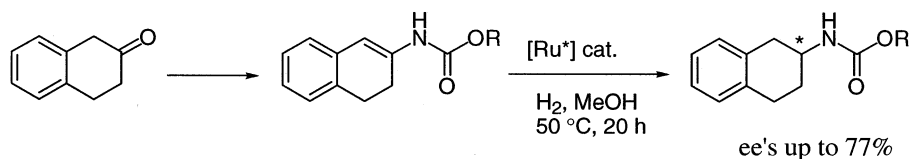


Synthesis of optically active 2-aminotetraline derivatives via enantioselective ruthenium-catalyzed hydrogenation of ene carbamates

Tetrahedron: Asymmetry 12 (2001) 863

Philippe Dupau, Anne-Emmanuelle Hay, Christian Bruneau* and Pierre H. Dixneuf

Institut de Chimie de Rennes, UMR 6509: CNRS-Université de Rennes 1, Organométalliques et Catalyse, Campus de Beaulieu, 35042 Rennes Cedex, France



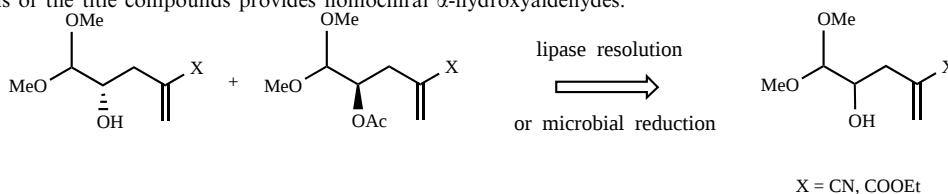
Chemoenzymatic synthesis of chiral substituted acrylate and acrylonitrile precursors for the synthesis of 3-deoxy-2-ulosonic acids and α -methylene- γ -lactones

Tetrahedron: Asymmetry 12 (2001) 869

D. Crestia, C. Guérard, H. Veschambre, L. Hecquet, C. Demuynck and J. Bolte*

Laboratoire de Synthèse, Electrosynthèse et Etude de Systèmes à Intérêt Biologique, UMR 6504 du CNRS, Université Blaise Pascal, 63177 Aubière Cedex, France

Acidic hydrolysis of the title compounds provides homochiral α -hydroxyaldehydes.

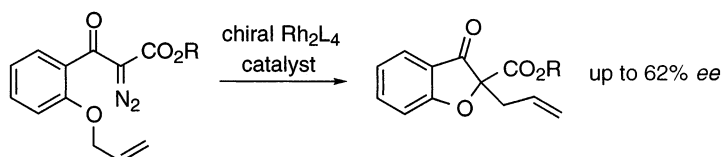


Rh(II)-binaphthol phosphate catalysts in the enantioselective intramolecular oxonium ylide formation–[3,2] sigmatropic rearrangement of α -diazo- β -ketoesters

Tetrahedron: Asymmetry 12 (2001) 877

David M. Hodgson* and Margarita Petroligi

Dyson Perrins Laboratory, Department of Chemistry, University of Oxford, South Parks Road, Oxford OX1 3QY, UK



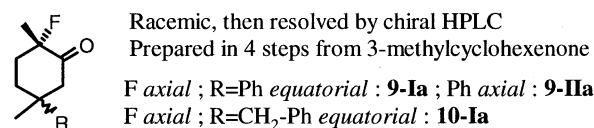
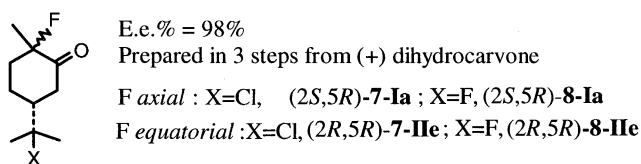
Tri- and tetrasubstituted α -fluorocyclohexanones with enantiomeric excesses in the range of 97–100%

Tetrahedron: Asymmetry 12 (2001) 883

Arlette Solladié-Cavallo,^{a,*} Loïc Jierry,^a Laëticia Bouérat^a and Philippe Taillisson^b

^aLaboratoire de Stéréochimie Organométallique associé au CNRS, ECPM/Université L. Pasteur, 25 rue Becquerel, 67087 Strasbourg, France

^bSylachim-Finorga, Route de Givors, 38670 Chasse sur Rhone, France



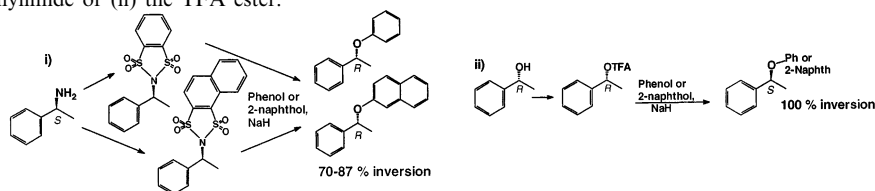
Formation of chiral aryl ethers from enantiopure amine or alcohol substrates

Tetrahedron: Asymmetry 12 (2001) 893

Sadri A. Said and Anne Fiksdahl*

Organic Chemistry Laboratories, Norwegian University of Science and Technology, N-7491 Trondheim, Norway

Transformation of a homochiral (i) amine or (ii) alcohol into the corresponding chiral aryl ethers via the nucleophilic substitution of (i) the cyclic disulfonylimide or (ii) the TFA ester.



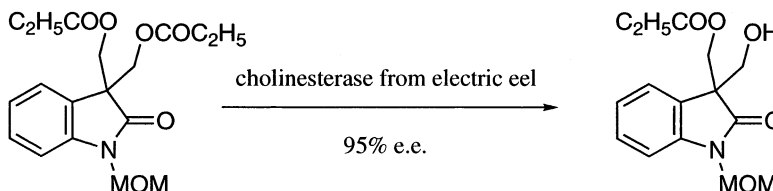
Introduction of a quaternary stereogenic center to oxindole using cholinesterase-catalyzed asymmetric hydrolysis

Tetrahedron: Asymmetry 12 (2001) 897

Koichi Nakazawa, Masaki Hayashi, Masakazu Tanaka,* Mariko Aso and Hiroshi Suemune*

Graduate School of Pharmaceutical Sciences, Kyushu University, Fukuoka 812-8582, Japan

Cholinesterase-catalyzed hydrolysis of prochiral dipropionate afforded an optically active monoalcohol of 95% e.e.

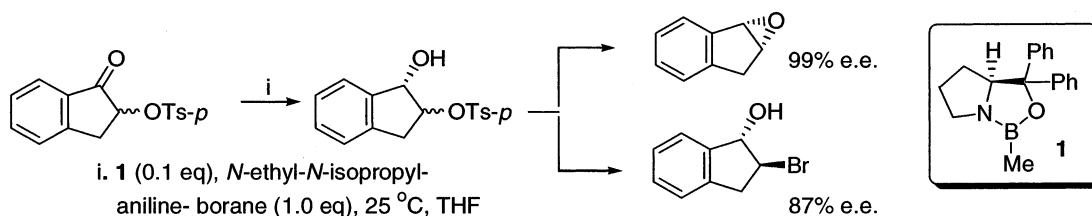


A convenient synthesis of (1*S*,2*R*)-1,2-indene oxide and *trans*-(1*S*,2*S*)-2-bromo-1-indanol via oxazaborolidine-catalyzed borane reduction

Tetrahedron: Asymmetry 12 (2001) 903

Ok Kyoung Choi and Byung Tae Cho*

Department of Chemistry, Hallym University, Chunchon, Kangwondo 200-702, South Korea

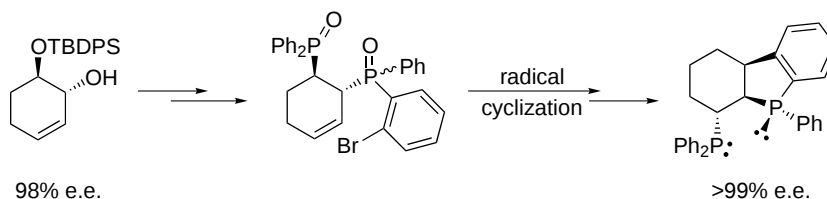


Preparation of a rigid bicyclic diphosphine by radical cyclisation

Tetrahedron: Asymmetry 12 (2001) 909

Stéphane Demay, Matthias Lotz, Kurt Polborn and Paul Knochel*

Department Chemie, Ludwig-Maximilians-Universität, Butenandtstraße 5-13 (Haus F), 81377 Munich, Germany



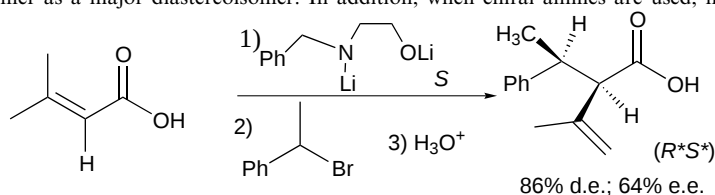
Enantioselective α -alkylation of unsaturated carboxylic acids using a chiral lithium amide

Tetrahedron: Asymmetry 12 (2001) 915

Eva M. Brun, Salvador Gil and Margarita Parra*

Departament de Química Orgànica, Universitat de València, C/Dr. Moliner 50, 46100 Burjassot, Spain

Alkylation of dienediolates from unsaturated carboxylic acids with benzylic halides can be regio- and stereocontrolled by lithium amides leading to the α -regioisomer as a major diastereoisomer. In addition, when chiral amines are used, moderate enantiomeric excess can be attained.



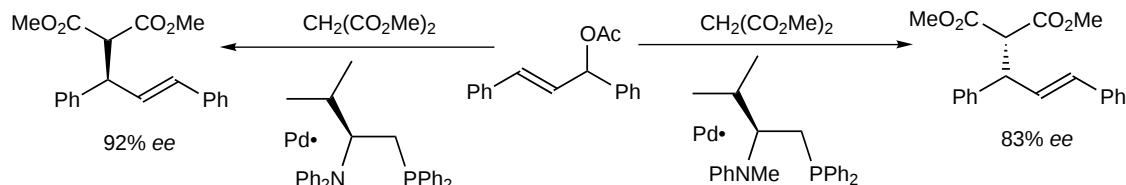
Investigation of the importance of nitrogen substituents in a N–P chiral ligand for enantioselective allylic alkylation

Tetrahedron: Asymmetry 12 (2001) 923

James C. Anderson,^{a,*} Rachel J. Cubbon^a and John D. Harling^b

^a*School of Chemistry, University of Nottingham, Nottingham NG7 2RD, UK*

^b*GlaxoSmithKline Pharmaceuticals, New Frontiers Science Park, Third Avenue, Harlow, Essex CM19 5AW, UK*



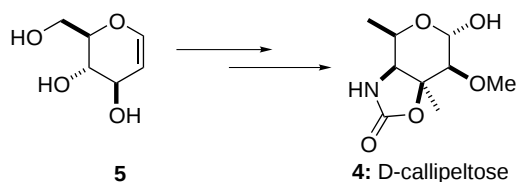
An expedient synthesis of D-callipeltose

Tetrahedron: Asymmetry 12 (2001) 937

Ainoliisa J. Pihko,^{a,b} K. C. Nicolaou^{a,*} and Ari M. P. Koskinen^{b,*}

^a*Department of Chemistry and The Skaggs Institute for Chemical Biology, The Scripps Research Institute, 10550 North Torrey Pines Road, La Jolla, CA 92037, USA and Department of Chemistry and Biochemistry, University of California, San Diego, 9500 Gilman Drive, La Jolla, CA 92093, USA*

^b*Laboratory of Organic Chemistry, Department of Chemical Technology, Helsinki University of Technology, FIN-02015 HUT, Finland*

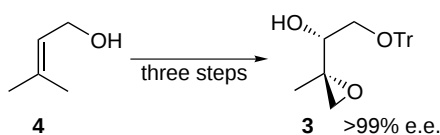


Efficient stereoselective synthesis of a 1-hydroxymethyl-2-methylglycidol derivative

Tetrahedron: Asymmetry 12 (2001) 943

Ippei Uemura,^{*} Ken Yamada, Kayo Sugiura, Hisashi Miyagawa and Tamio Ueno

Division of Applied Life Sciences, Graduate School of Agriculture, Kyoto University, Kyoto 606-8502, Japan



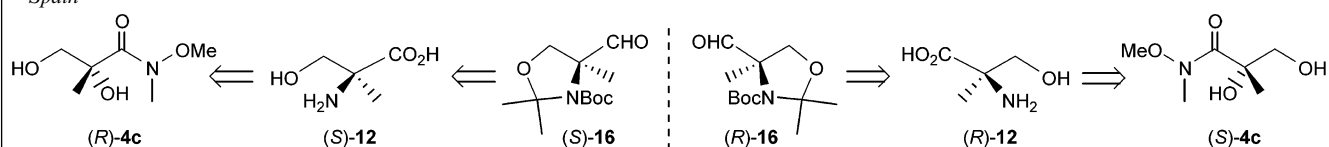
Enantioselective synthesis of (S)- and (R)- α -methylserines: application to the synthesis of (S)- and (R)-N-Boc-N,O-isopropylidene- α -methylserinals

Tetrahedron: Asymmetry 12 (2001) 949

Alberto Avenoza,^{a,*} Carlos Cativiela,^b Francisco Corzana,^a Jesús M. Peregrina,^{a,*} David Sucunza^a and María M. Zurbano^a

^a*Departamento de Química, Universidad de La Rioja, Grupo de Síntesis Química de La Rioja, U.A.-C.S.I.C., 26006 Logroño, Spain*

^b*Departamento de Química Orgánica, Instituto de Ciencia de Materiales de Aragón, Universidad de Zaragoza-C.S.I.C., 50009 Zaragoza, Spain*



An efficient asymmetric aldol reaction of Chan's diene promoted by chiral Ti(IV)–BINOL complex

Tetrahedron: Asymmetry 12 (2001) 959

Annunziata Soriente,* Margherita De Rosa, Marina Stanzione, Rosaria Villano and Arrigo Scettri

Dipartimento di Chimica, Università di Salerno, 84081 Baronissi, Salerno, Italy

