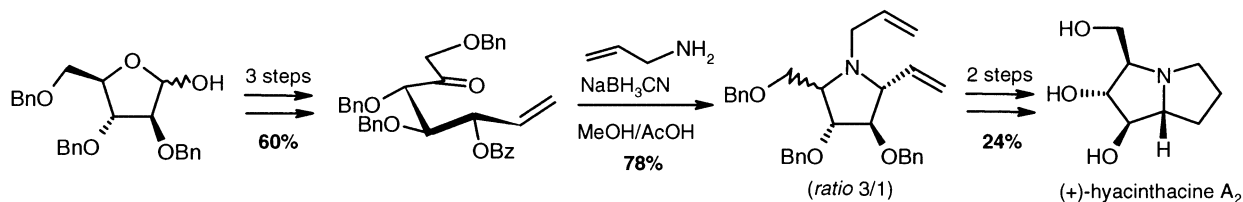
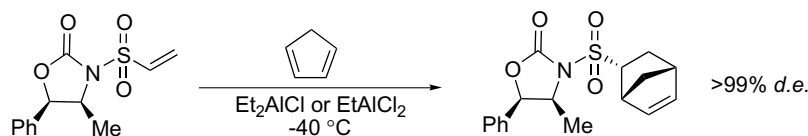
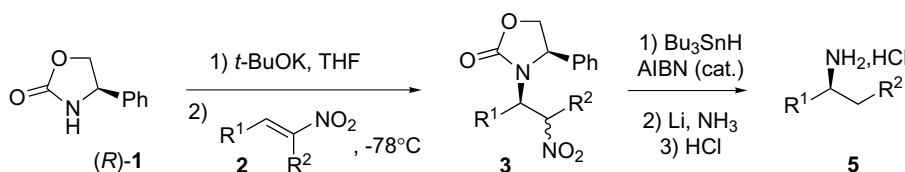


First total synthesis of (+)-hyacinthacine A₂*Tetrahedron: Asymmetry 12 (2001) 1807*

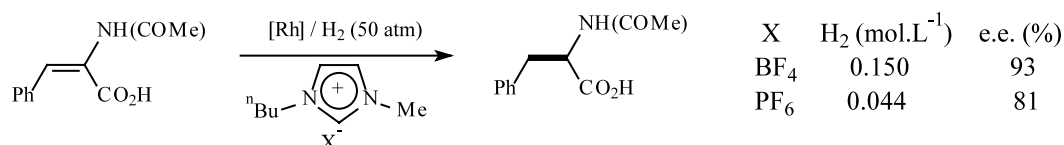
Lauriane Rambaud, Philippe Compain and Olivier R. Martin*

Institut de Chimie Organique et Analytique, CNRS-Université d'Orléans, BP 6759, 45067 Orléans, France**Asymmetric Diels–Alder reactions of optically active oxazolidinone-derived vinylsulfonamides***Tetrahedron: Asymmetry 12 (2001) 1811*M. Carmen Bernabeu,^a Rafael Chinchilla,^a Larry R. Falvello^b and Carmen Nájera^{a,*}^a*Departamento de Química Orgánica, Universidad de Alicante, Apartado 99, 03080 Alicante, Spain*^b*Departamento de Química Inorgánica, Instituto de Ciencias de los Materiales de Aragón, Facultad de Ciencias, Universidad de Zaragoza-CSIC, 50009 Zaragoza, Spain***Enantioselective synthesis of α,α -disubstituted amines from nitroalkenes***Tetrahedron: Asymmetry 12 (2001) 1817*

Mary-Lorène Leroux, Thierry Le Gall* and Charles Mioskowski*

CEA-Saclay, Service des Molécules Marquées, Bât. 547, 91191 Gif-sur-Yvette Cedex, France**Ionic liquid-phase asymmetric catalytic hydrogenation: hydrogen concentration effects on enantioselectivity***Tetrahedron: Asymmetry 12 (2001) 1825*

Alexsandro Berger, Roberto F. de Souza, Marcelo R. Delgado and Jairton Dupont*

Laboratory of Molecular Catalysis, Institute of Chemistry, UFRGS, Av. Bento Gonçalves, 9500 Porto Alegre 91501-970 RS, Brazil

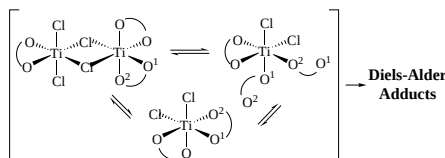
A test for the coexistence of reactive intermediates with different molecular composition in chiral Lewis acid-catalysed reactions: the case of Ti-TADDOLate-catalysed Diels–Alder reactions

Tetrahedron: Asymmetry 12 (2001) 1829

Belén Altava,^a M. Isabel Burguete,^a José I. García,^b Santiago V. Luis,^{a,*} José A. Mayoral^{b,*} and Maria J. Vicent^a

^aDepartamento de Química Inorgánica y Orgánica, ESTCE, Universitat Jaume I, E-12080 Castellón, Spain

^bDepartamento de Química Orgánica, Instituto de Ciencia de Materiales de Aragón, CSIC-Universidad de Zaragoza, Facultad de Ciencias, Pedro Cerbuna 12, E-50009 Zaragoza, Spain

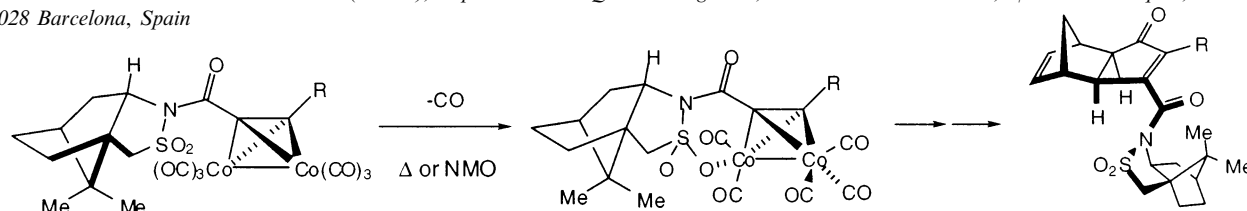


Bornane-2,10-sultam: a highly efficient chiral controller and mechanistic probe for the intermolecular Pauson–Khand reaction

Tetrahedron: Asymmetry 12 (2001) 1837

Jordi Vázquez, Silvia Fonquerna, Albert Moyano,^{*} Miquel A. Pericàs^{*} and Antoni Riera

Unitat de Recerca en Síntesi Asimètrica (URSA), Departament de Química Orgànica, Universitat de Barcelona, c/Martí i Franquès, 1-11. 08028 Barcelona, Spain



(preferred conformation according to theoretical calculations and CD spectra)

(stabilized by chelation at the pro-*R* Co)

(from 318:1 to > 800:1 d.r.)

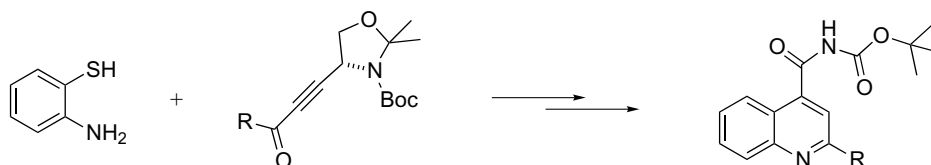
Synthesis of novel optically pure quinolyl-β-amino alcohol derivatives from 2-amino thiophenol and chiral α-acetylenic ketones and their IBX-mediated oxidative cleavage to *N*-Boc quinolyl carboxamides

Tetrahedron: Asymmetry 12 (2001) 1851

Gemma Cabarrocas,^a Montserrat Ventura,^a Miguel Maestro,^b José Mahía^b and José M. Villalgordo^{a,*}

^aDepartament de Química, Facultat de Ciències, Universitat de Girona, Campus de Montilivi, E-17071 Girona, Spain

^bServicios Xerais de Apoio a Investigación, Universidade da Coruña, Campus da Zapateira s/n, E-15071 A Coruña, Spain



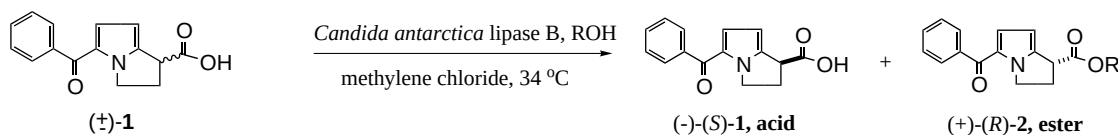
Enzymatic kinetic resolution of ketorolac

Tetrahedron: Asymmetry 12 (2001) 1865

Young Hee Kim,^a Chan Seong Cheong,^{a,*} So Ha Lee^a and Kwan Soo Kim^b

^aLife Sciences Division, Korea Institute of Science and Technology, PO Box 131, Cheongryang, Seoul 130-650, South Korea

^bDepartment of Chemistry, Yonsei University, Seoul 120-749, South Korea

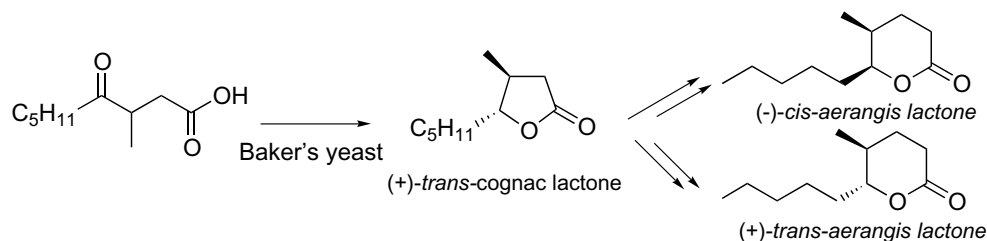


Baker's yeast-mediated approach to (-)-*cis*- and (+)-*trans*-Aerangis lactones

Tetrahedron: Asymmetry 12 (2001) 1871

Elisabetta Brenna,* Claudia Dei Negri, Claudio Fuganti and Stefano Serra

Dipartimento di Chimica del Politecnico, Centro CNR per lo Studio delle Sostanze Organiche Naturali, Via Mancinelli 7, I-20131 Milan, Italy



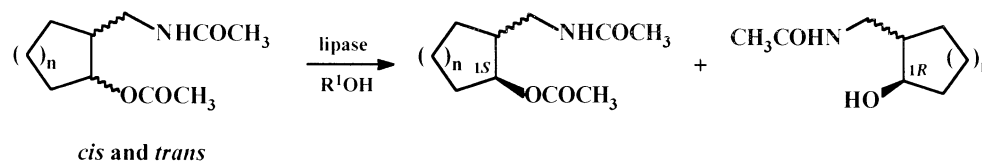
Enzyme-catalysed kinetic resolution of *N,O*-diacetyl derivatives of cyclic 1,3-amino alcohols

Tetrahedron: Asymmetry 12 (2001) 1881

Judit Kámán, Enikő Forró and Ferenc Fülöp*

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

N,O-Diacetyl derivatives of racemic cyclic 1,3-amino alcohols were resolved through lipase-catalysed asymmetric *O*-deacylation at the (1*R*) stereogenic centre.



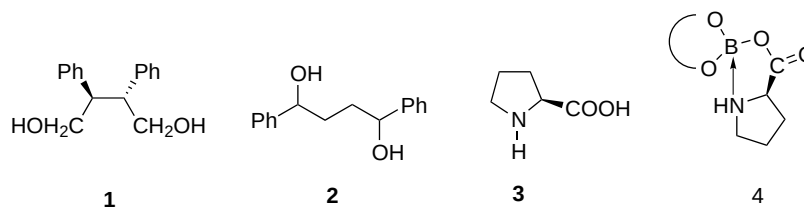
Resolution of *C*₂-symmetric 2,3-diphenylbutane-1,4-diol and purification of diastereomeric 1,4-diphenylbutane-1,4-diol using (*S*)-proline and boric acid

Tetrahedron: Asymmetry 12 (2001) 1887

Mariappan Periasamy,* Vutukuri Dharma Rao and Muthu Seenivasaperumal

School of Chemistry, University of Hyderabad, Hyderabad 500 046, India

Racemic 2,3-diphenylbutane-1,4-diol **1** is resolved through reaction with (*S*)-proline and boric acid to obtain the corresponding (*R,R*)-isomer in 98% e.e. Using the same method, partially resolved (*R,R*)-(-)-**1** and (*S,S*)-(+)-**1** were enriched to obtain samples of 95 and 97% e.e. and diastereomeric 1,4-diphenylbutane-1,4-diol **2** was purified to obtain the (*R,R*)-isomer in 98% e.e.



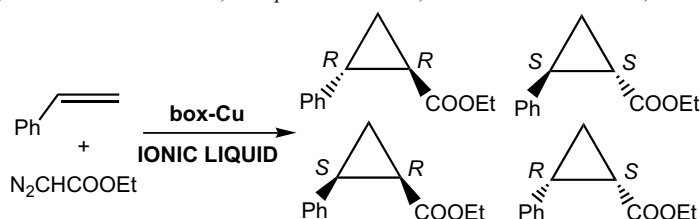
Enantioselective cyclopropanation reactions in ionic liquids

Tetrahedron: Asymmetry 12 (2001) 1891

José M. Fraile,^a José I. García,^a Clara I. Herrerías,^a José A. Mayoral,^{a,*} Daniel Carrié^b and Michel Vaultier^{b,*}

^aDepartamento de Química Orgánica, Instituto de Ciencia de Materiales de Aragón, Facultad de Ciencias, Universidad de Zaragoza-CSIC, E-50009 Zaragoza, Spain

^bUMR 6510 du CNRS, Université de Rennes 1, Campus de Beaulieu, F-35042 Rennes Cedex, France



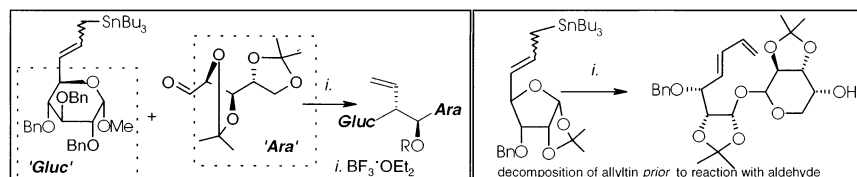
Reaction of sugar allyltins with aldehydes. A remarkable difference in reactivity between furanose and pyranose organometallic derivatives

Tetrahedron: Asymmetry 12 (2001) 1895

Sławomir Jarosz,^{a,*} Stanisław Skóra,^a Katarzyna Szewczyk^a and Zbigniew Ciunik^b

^a*Institute of Organic Chemistry, Polish Academy of Sciences, Kasprzaka 44, 01-224 Warsaw, Poland*

^b*Faculty of Chemistry, University of Wrocław, F. Joliot-Curie 14, 50-383 Wrocław, Poland*



Chiral squaric prolinols: a new type of ligand for the asymmetric reduction of prochiral ketones by borane

Tetrahedron: Asymmetry 12 (2001) 1907

Ji Zhang,^a Hai-Bing Zhou,^a Shou-Mao Lü,^a Mei-Ming Luo,^a Ru-Gang Xie,^{a,*} Michael C. K. Choi,^b Zhong-Yuan Zhou,^b Albert S. C. Chan^b and Teng-Kuei Yang^c

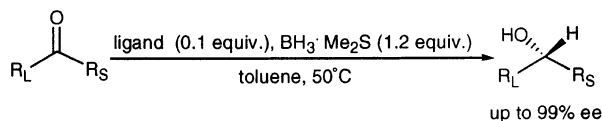
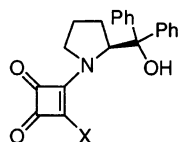
^a*Department of Chemistry, Sichuan University, Chengdu 610064, PR China*

^b*Open Laboratory of Chirotechnolgy and Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hong Kong, PR China*

^c*Department of Chemistry, National Chung-Hsing University, Taichung, Taiwan*

chiral squaric prolinol ligands:

X = NR¹R², SR³, OR



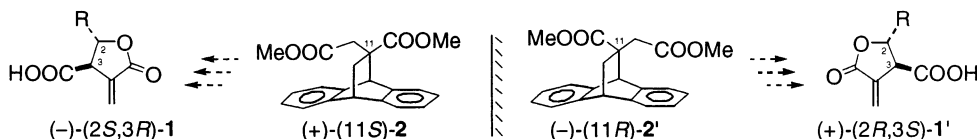
Synthesis of both enantiomers of methylenolactocin, nephrosterinic acid and protolichesterinic acid via tandem aldol-lactonization reactions

Tetrahedron: Asymmetry 12 (2001) 1913

Palangpon Kongsaree,^a Puttitan Meepowpan^a and Yodhathai Thebtaranonth^{a,b,*}

^a*Department of Chemistry, Faculty of Science, Mahidol University, Rama 6 Road, Bangkok 10400, Thailand*

^b*National Center for Genetic Engineering and Biotechnology (BIOTEC)/National Science and Technology Development Agency (NSTDA), Rama 6 Road, Bangkok 10400, Thailand*



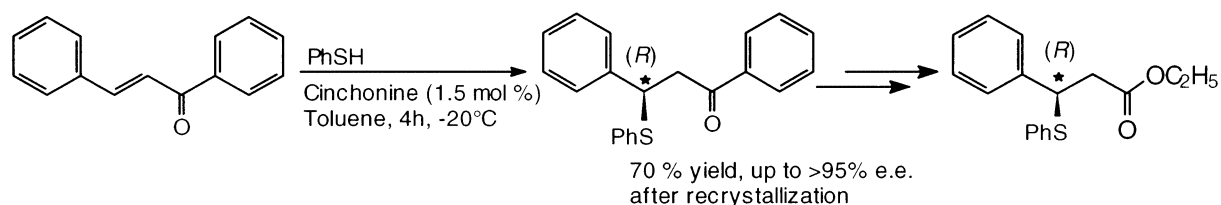
Simple preparation of enantiomeric Michael adducts of thiophenol to chalcones: easily available new chiral building blocks

Tetrahedron: Asymmetry 12 (2001) 1923

Jacek Skarżewski,^{a,*} Mariola Zielińska-Błajet^a and Ilona Turowska-Tyrk^b

^a*Institute of Organic Chemistry, Biochemistry and Biotechnology, Wrocław University of Technology, 50-370 Wrocław, Poland*

^b*Institute of Physical and Theoretical Chemistry, Wrocław University of Technology, 50-370 Wrocław, Poland*



New bidentate chiral phosphoramidites in copper-catalyzed asymmetric 1,4-addition of diethylzinc to cyclic α,β -enones: enantioselective tandem 1,4-addition-aldol reactions with 2-cyclopentenone

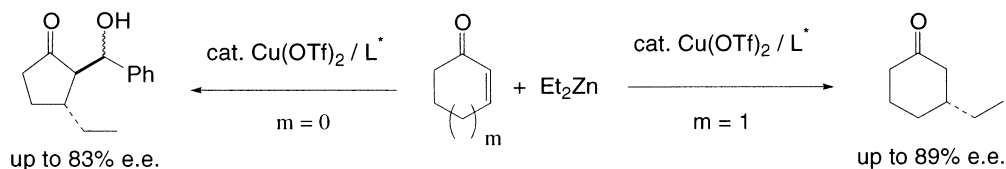
Tetrahedron: Asymmetry 12 (2001) 1929

Alessandro Mandoli,^{a,b} Leggy A. Arnold,^a Andre H. M. de Vries,^a Piero Salvadori^b and Ben L. Feringa^{a,*}

^aDepartment of Organic and Molecular Inorganic Chemistry, Stratingh Institute, University of Groningen, Nijenborgh 4, 9747 AG Groningen, The Netherlands

^bDipartimento di Chimica e Chimica Industriale, University of Pisa, V. Risorgimento 35, 56126 Pisa, Italy

L^* = bidentate chiral phosphoramidites



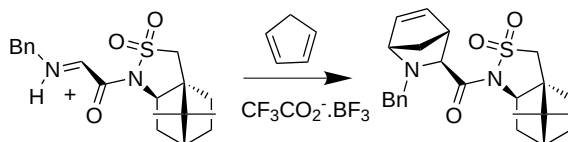
Diastereoselectivity in the hetero [4+2] cycloaddition of cyclopentadiene to *N*-benzyliminoacetyl derivatives of (2*R*)-bornane-10,2-sultam and other chiral secondary alcohols

Tetrahedron: Asymmetry 12 (2001) 1939

Sławomir Szymański,^a Christian Chapuis^{b,*} and Janusz Jurczak^{a,b,*}

^aDepartment of Chemistry, Warsaw University, Pasteura 1, PL-02-093 Warsaw, Poland

^bInstitute of Organic Chemistry, Polish Academy of Sciences, Kasprzaka 44, PL 01-224 Warsaw, Poland



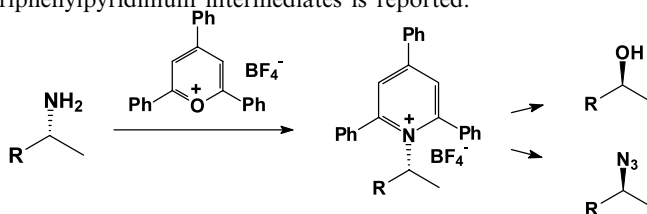
Stereoselective transformation of amines via chiral 2,4,6-triphenylpyridinium intermediates

Tetrahedron: Asymmetry 12 (2001) 1947

Sadri A. Said and Anne Fiksdahl*

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

The transformation of optically active aliphatic amines into the corresponding inverted alcohols or azides via nucleophilic substitution of the 2,4,6-triphenylpyridinium intermediates is reported.



Simple chemoenzymatic access to enantiopure pharmacologically interesting (*R*)-2-hydroxypropiophenones

Tetrahedron: Asymmetry 12 (2001) 1953

Ayhan S. Demir,^{a,b,*} Haluk Hamamci,^{b,c} Ozge Sesenoglu,^a Feray Aydogan,^a Doga Capanoglu^b and Rahsan Neslihanoglu^b

^aDepartment of Chemistry, Middle East Technical University, 06531 Ankara, Turkey

^bDepartment of Biotechnology, Middle East Technical University, 06531 Ankara, Turkey

^cDepartment of Food Engineering, Middle East Technical University, 06531 Ankara, Turkey

