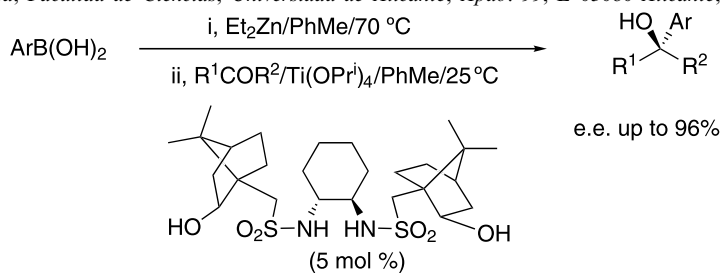
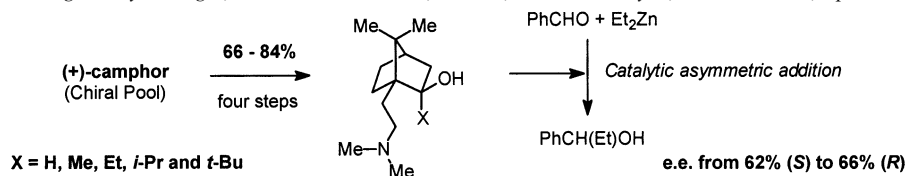
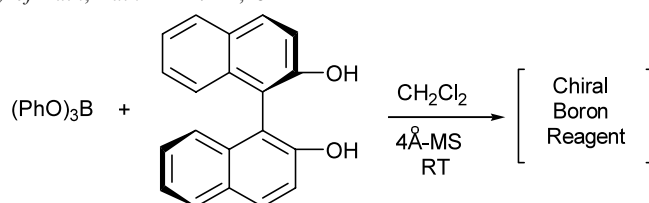
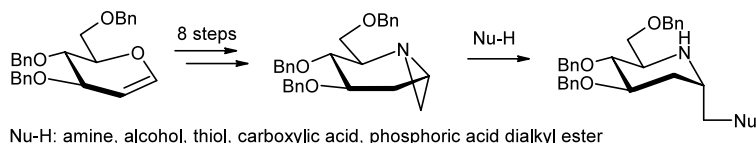


Highly enantioselective arylation of ketones*Tetrahedron: Asymmetry 14 (2003) 1955*

Oscar Prieto, Diego J. Ramón and Miguel Yus*

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Alicante, Apdo. 99, E-03080 Alicante, Spain**Synthesis and catalytic activity of 10-(aminomethyl)isborneol-based catalysts: the role of the C(2)-group on the asymmetric induction***Tetrahedron: Asymmetry 14 (2003) 1959*Antonio García Martínez,^{a,*} Enrique Teso Vilar,^b Amelia García Fraile,^b Santiago de la Moya Cerero^{a,*} and Beatriz Lora Maroto^b^a*Departamento de Química Orgánica I, Fac. de Químicas, Universidad Complutense de Madrid (UCM), 28040 Madrid, Spain*^b*Departamento de Química Orgánica y Biología, Facultad de Ciencias, UNED, Senda del Rey 9, 28040 Madrid, Spain***Non-linear effects operate and dynamic ligand exchange occurs when chiral BINOL–boron Lewis acids are used for asymmetric catalysis***Tetrahedron: Asymmetry 14 (2003) 1965*

Jean Philippe Cros, Yolanda Pérez-Fuertes, Michael J. Thatcher, Susumu Arimori, Steven D. Bull* and Tony D. James*

Department of Chemistry, University of Bath, Bath BA2 7AY, UK**Ring-opening reactions of iminosugar-derived aziridines: application to the general synthesis of α -1-C-substituted derivatives of fagomine***Tetrahedron: Asymmetry 14 (2003) 1969*Jean-Yves Goujon,^a David Gueyrard,^a Philippe Compain,^{a,*} Olivier R. Martin^{a,*} and Naoki Asano^b^a*Institut de Chimie Organique et Analytique, CNRS-Université d'Orléans, rue de Chartres, BP 6759, 45067 Orléans, France*^b*Faculty of Pharmaceutical Sciences, Hokuriku University, Kanazawa 920-1181, Japan*

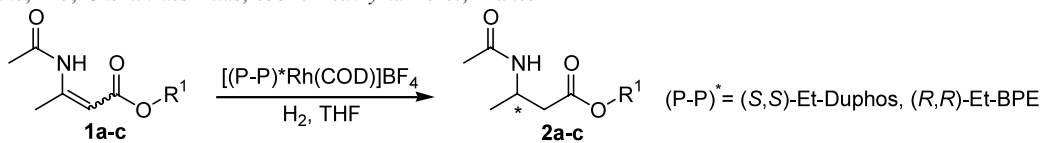
Enantioselective hydrogenation of isomeric β -acetamido β -alkylacrylates: crucial influence of temperature

Tetrahedron: Asymmetry 14 (2003) 1973

Thomas Jerphagnon,^a Jean-Luc Renaud,^a Patrice Demonchaux,^{b,*} Amadéo Ferreira^b and Christian Bruneau^{a,*}

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

^bSEAC-Chimie Fine, 145, Chemin des Lilas, 59310 Beuvry-la-Forêt, France



a: R¹ = Me, b: R¹ = Et, c: R¹ = *t*Bu

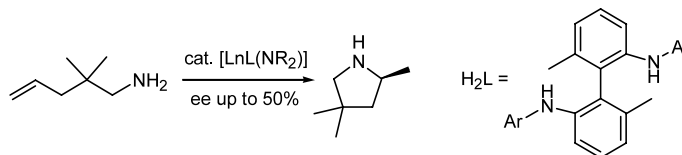
up to 94% e. e. from (Z,E)-**1b** mixture

Biaryl amine ligands for lanthanide catalysed enantioselective hydroamination/cyclisation of aminoalkenes

Tetrahedron: Asymmetry 14 (2003) 1979

P. N. O'Shaughnessy and Peter Scott*

Department of Chemistry, University of Warwick, Coventry CV4 7AL, UK



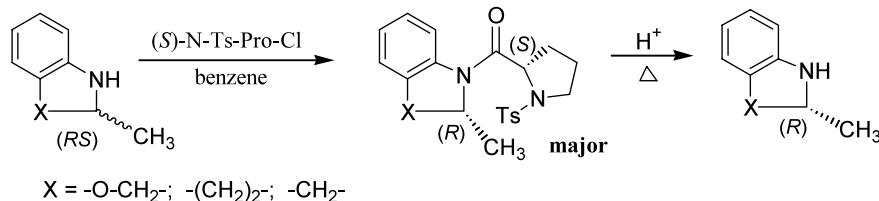
Kinetic resolution of (\pm)-2,3-dihydro-3-methyl-4H-1,4-benzoxazine, (\pm)-2-methyl-1,2,3,4-tetrahydroquinoline and (\pm)-2-methylindoline using *N*-tosyl-(*S*)-prolyl chloride

Tetrahedron: Asymmetry 14 (2003) 1985

Victor P. Krasnov,* Galina L. Levit, Iraida M. Bukrina, Irina N. Andreeva,

Liliya Sh. Sadretdinova, Marina A. Korolyova, Mikhail I. Kodess, Valery N. Charushin and Oleg N. Chupakhin

Institute of Organic Synthesis of RAS (Ural Div.), S. Kovalevskoy St., 20, Ekaterinburg 620219, Russia



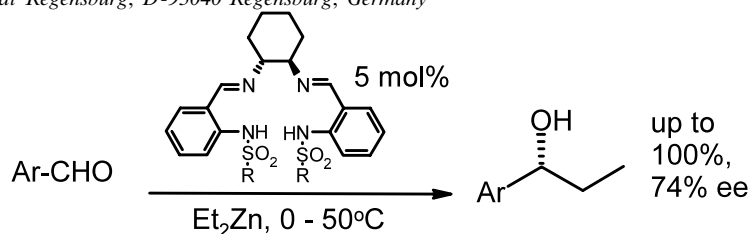
Synthesis of novel nitrogen-containing ligands for the enantioselective addition of diethylzinc to aldehydes

Tetrahedron: Asymmetry 14 (2003) 1989

María Hechavarría Fonseca,^a Ernst Eibler,^a Manfred Zabel^b and Burkhard König^{a,*}

^aInstitut für Organische Chemie, Universität Regensburg, D-93040 Regensburg, Germany

^bZentrale Analytik, Universität Regensburg, D-93040 Regensburg, Germany



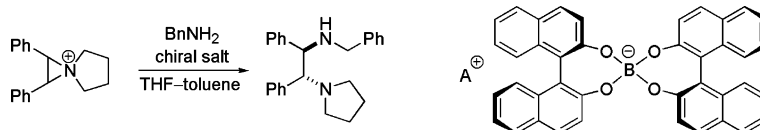
Towards phase-transfer catalysts with a chiral anion: inducing asymmetry in the reactions of cations

Tetrahedron: Asymmetry 14 (2003) 1995

Christabel Carter,^a Sarah Fletcher^b and Adam Nelson^{a,*}

^aDepartment of Chemistry, University of Leeds, Leeds LS2 9JT, UK

^bSyngenta, Leeds Road, Huddersfield HD2 1FF, UK



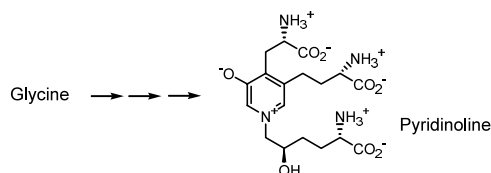
A simple modular synthesis of pyridinoline a collagen cross-link of biochemical interest

Tetrahedron: Asymmetry 14 (2003) 2005

Pietro Allevi^{a,*} and Mario Anastasia^b

^aDipartimento di Medicina, Chirurgia e Odontoiatria, Università di Milano, via A. Di Rudini 8, I-20142 Milano, Italy

^bDipartimento di Chimica, Biochimica e Biotecnologie per la Medicina, Università di Milano, via Saldini 50, I-20133 Milano, Italy



Novel chiral tridentate Schiff base ligands of the [2.2]-paracyclophane series: synthesis and application

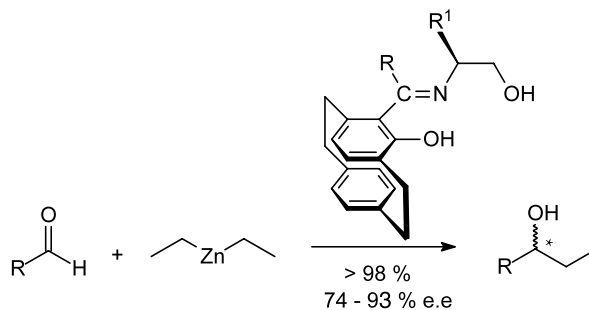
Tetrahedron: Asymmetry 14 (2003) 2013

Tatyana I. Danilova,^a Valeria I. Rozenberg,^{a,*}

Elena V. Sergeeva,^a Zoya A. Starikova^a and Stefan Bräse^{b,*}

^aA. N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Science, Vavilova 28, 119991 Moscow, Russia

^bKekulé-Institut für Organische Chemie und Biochemie, Rheinische Friedrich-Wilhelms-Universität Bonn, Gerhard-Domagk Straße 1, D-53121 Bonn, Germany

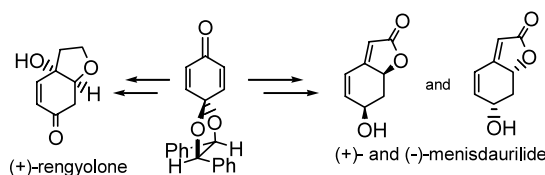


From *p*-benzoquinone to cyclohexane chirons: first asymmetric synthesis of (+)-rengyolone and (+)- and (-)-menisdaurilide

Tetrahedron: Asymmetry 14 (2003) 2021

Felix Busqué, Mariona Cantó, Pedro de March,^{*} Marta Figueredo, Josep Font and Sonia Rodríguez

Departament de Química, Universitat Autònoma de Barcelona, 08193 Bellaterra, Spain



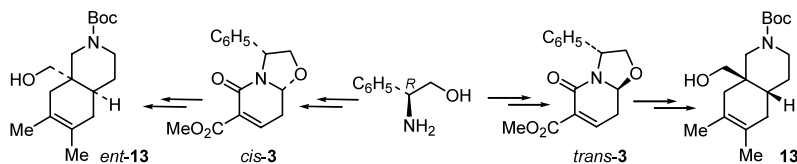
Diels–Alder reactions of phenylglycinol-derived bicyclic lactams. Enantiodivergent synthesis of *cis*-hydroisoquinolines

Tetrahedron: Asymmetry 14 (2003) 2033

Núria Casamitjana,^a Mercedes Amat,^a Núria Llor,^a Marçal Carreras,^a Xavier Pujol,^a
M. Montserrat Fernández,^a Virginia López,^a Elies Molins,^b Carles Miravittles^b and Joan Bosch^{a,*}

^aLaboratory of Organic Chemistry, Faculty of Pharmacy, University of Barcelona, 08028 Barcelona, Spain

^bInstitut de Ciència de Materials (CSIC), Campus UAB, 08193 Cerdanyola, Spain



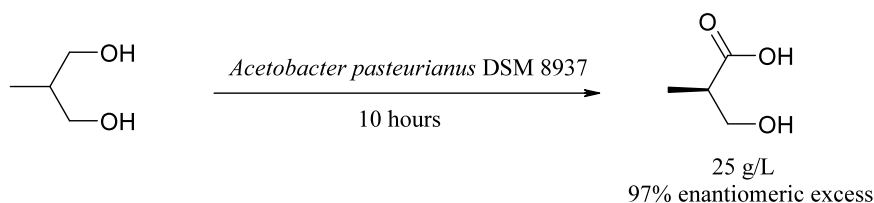
Enantioselective oxidation of prochiral 2-methyl-1,3-propanediol by *Acetobacter pasteurianus*

Tetrahedron: Asymmetry 14 (2003) 2041

Francesco Molinari,^{a,*} Raffaella Gandolfi,^a Raffaella Villa,^a Eva Urban^b and Andreas Kiener^b

^aDipartimento di Scienze e Tecnologie Alimentari e Microbiologiche, Sezione Microbiologia Industriale, Università degli Studi di Milano, via Celoria 2, 20133 Milano, Italy

^bLonza A.G., CH-3930 Visp, Switzerland

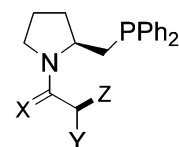


Unsymmetrical terdentate phosphorus-nitrogen-nitrogen (PNN) ligands: effect of the M/L ratio and the pendant group on stereoselectivity

Tetrahedron: Asymmetry 14 (2003) 2045

Xiaohui Cheng and King Kuok (Mimi) Hii*

Department of Chemistry, King's College London, Strand WC2R 2LS, UK



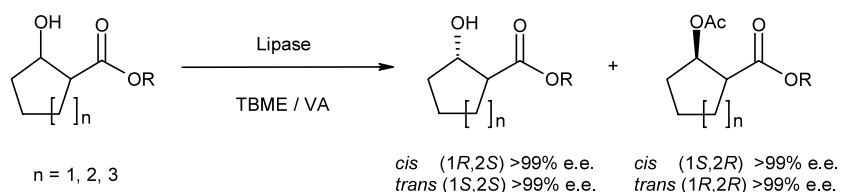
X = O, CH₂;
Y = NR₂, PPh₂, alkyl
Z = alkyl

Lipase-catalysed resolution of cyclic *cis*- and *trans*- β -hydroxy esters

Tetrahedron: Asymmetry 14 (2003) 2053

Laura M. Levy, Juan R. Dehli and Vicente Gotor*

Departamento de Química Orgánica e Inorgánica, Universidad de Oviedo, E-33071 Oviedo, Spain



Temperature-dependent racemic compound-conglomerate crystallization of 2,3:6,7-dibenzobicyclo[3.3.1]nona-2,6-diene-4,8-dione

Tetrahedron: Asymmetry 14 (2003) 2059

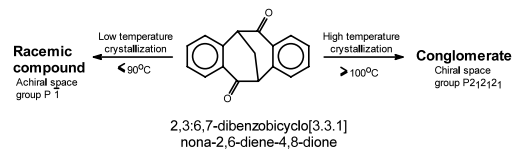
Pavel A. Levkin,^a Yuri A. Strelenko,^b Konstantin A. Lyssenko,^c Volker Schurig^{d,*} and Remir G. Kostyanovsky^{a,*}

^a*N.N. Semenov Institute of Chemical Physics, Russian Academy of Sciences, Laboratory of Stereochemistry 119991 Moscow, Kosygina 9, Russian Federation*

^b*N.D. Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Laboratory of NMR Spectroscopy, 117913 Moscow, Leninskiy pr-t, 47, Russian Federation*

^c*A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, Laboratory of X-ray analysis, 119991 Moscow, Vavilova, 28, Russian Federation*

^d*Institute of Organic Chemistry, University of Tuebingen, Auf der Morgenstelle 18, D-72076, Tuebingen, Germany*

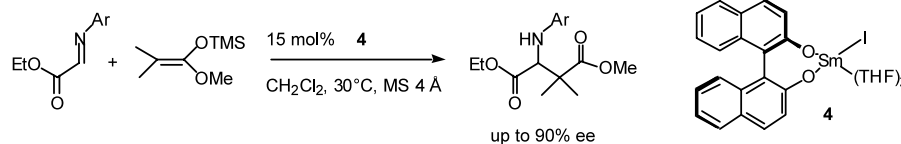


A new enantioselective Mannich-type reaction catalyzed by bis-binaphthoxy iodo samarium

Tetrahedron: Asymmetry 14 (2003) 2067

Nada Jaber, Fabien Carrée, Jean-Claude Fiaud and Jacqueline Collin*

Laboratoire de Catalyse Moléculaire UMR 8075, ICMO, Bâtiment 420, Université Paris-Sud, 91405 Orsay, France

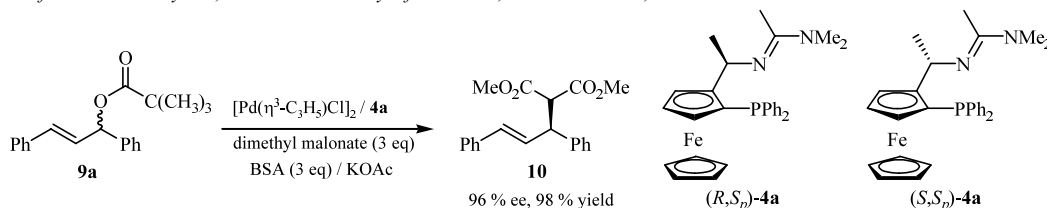


Synthesis of novel ferrocenylphosphine-amidinate ligands with central and planar chirality and their diastereomeric effect in Pd-catalyzed asymmetric allylic alkylation

Tetrahedron: Asymmetry 14 (2003) 2073

Xiangping Hu, Huilin Chen, Huicong Dai, Xinquan Hu and Zhuo Zheng*

Dalian Institute of Chemical Physics, Chinese Academy of Sciences, Dalian 116023, PR China

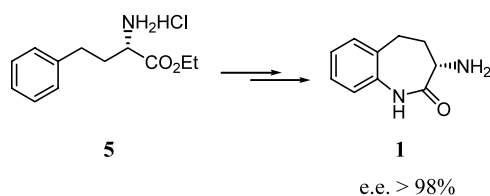


Synthesis of optically active α -aminobenzolactam via an oxidative-cyclization reaction

Tetrahedron: Asymmetry 14 (2003) 2081

Ching-Yao Chang and Teng-Kuei Yang*

Department of Chemistry, National Chung-Hsing University, Taichung 402, Taiwan, ROC



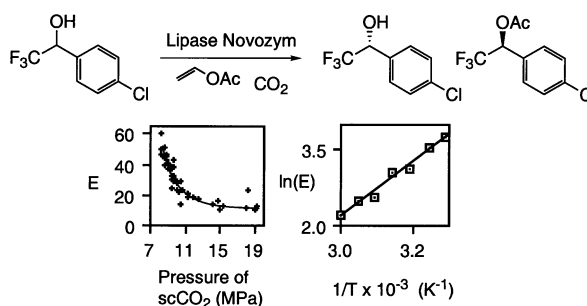
Control of enantioselectivity of lipase-catalyzed esterification in supercritical carbon dioxide by tuning the pressure and temperature

Tetrahedron: Asymmetry 14 (2003) 2087

Tomoko Matsuda,^{a,*} Ryuzo Kanamaru,^a
Kazunori Watanabe,^a Takashi Kamitanaka,^a
Tadao Harada^a and Kaoru Nakamura^b

^aDepartment of Materials Chemistry, Faculty of Science and Technology,
Ryukoku University, Otsu, Shiga 520-2194, Japan

^bInstitute for Chemical Research, Kyoto University, Uji, Kyoto 611-0011,
Japan



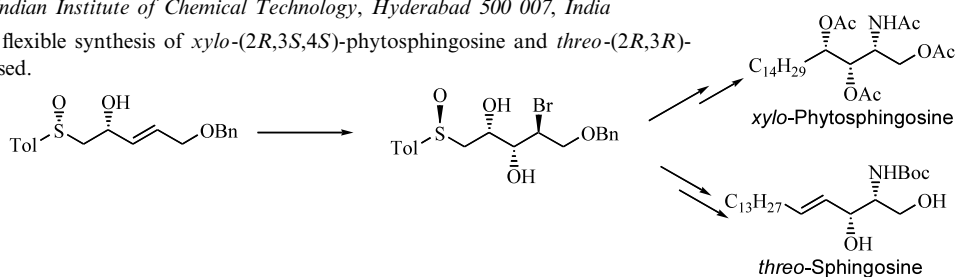
Novel, efficient and stereospecific synthesis of *xylo*-(2*R*,3*S*,4*S*)-phytosphingosine and *threo*-(2*R*,3*R*)-sphingosine

Tetrahedron: Asymmetry 14 (2003) 2093

Sadagopan Raghavan,* A. Rajender and J. S. Yadav

Organic Division I, Indian Institute of Chemical Technology, Hyderabad 500 007, India

A stereospecific and flexible synthesis of *xylo*-(2*R*,3*S*,4*S*)-phytosphingosine and *threo*-(2*R*,3*R*)-sphingosine is disclosed.

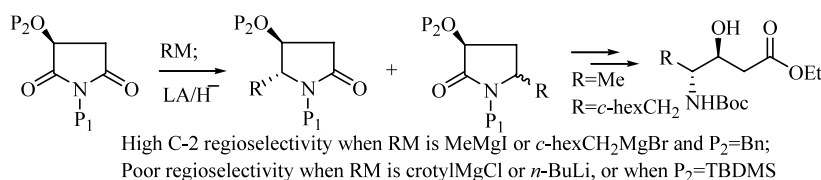


A flexible non-amino acid-based formal asymmetric synthesis of naturally occurring (2*R*,3*S*)-2-aminotetradeca-5,7-dien-3-ol: observation of a remarkable protecting group effect

Tetrahedron: Asymmetry 14 (2003) 2101

Bi-Yan He, Tian-Jun Wu, Xian-Yong Yu and Pei-Qiang Huang*

Department of Chemistry, Xiamen University, Xiamen, Fujian 361005, PR China



Synthesis of novel planar chiral ferrocene and cyclopentadienyl manganese tricarbonyl derivatives and their use as chiral ligands in the palladium-catalyzed asymmetric allylic alkylation

Tetrahedron: Asymmetry 14 (2003) 2109

Jae Hoon Lee, Seung Uk Son and Young Keun Chung*

School of Chemistry and Center for Catalysis, Seoul National University, Seoul 151-747, Republic of Korea

