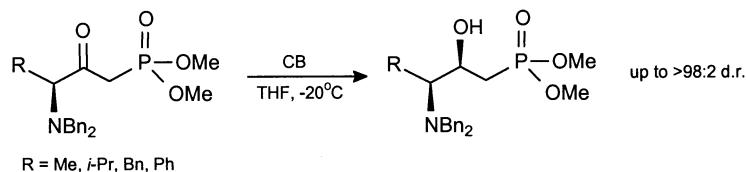


Diastereoselective reduction of β -ketophosphonates derived from amino acids. A new entry to enantiopure β -hydroxy- γ -aminophosphonate derivatives

Tetrahedron: Asymmetry 13 (2002) 559

Mario Ordóñez,* Ricardo de la Cruz, Mario Fernández-Zertuche and Miguel-Ángel Muñoz-Hernández

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Use of α -amino esters as chiral auxiliaries in the enantioselective Michael alkylation of chiral imines

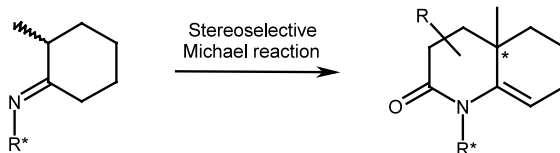
Tetrahedron: Asymmetry 13 (2002) 563

I. Jabin,^{a,*} G. Revial,^b M. Pfau^b and P. Netchitaïlo^a

^aURCOM, Université du Havre, Faculté des Sciences et Techniques, 25 rue Philippe Lebon, BP 540, 76058 Le Havre Cédex, France

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Higher regio- and diastereoselectivities are obtained with 1-phenylethylamine rather than with α -aminoesters as chiral auxiliaries.



Synthesis and characterization of a new chiral phosphinothiol ligand and its palladium(II) complexes

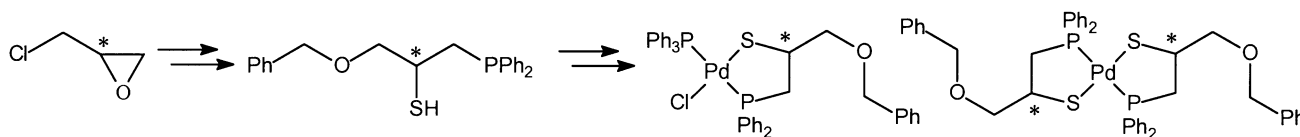
Tetrahedron: Asymmetry 13 (2002) 569

Nuria Brugat,^a Josep Duran,^a Alfonso Polo,^{a,*} Julio Real,^{b,*} Ángel Álvarez-Larena^c and J. Francesc Piniella^c

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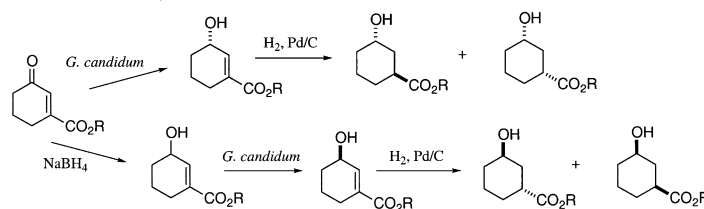


Chemoenzymatic synthesis of enantiopure isopropyl (3*R*)- and (3*S*)-3-hydroxycyclohex-1-ene-1-carboxylates and their reduction into isomers of isopropyl 3-hydroxy-cyclohexane-1-carboxylate

Tetrahedron: Asymmetry 13 (2002) 579

Laure Fonteneau, Sandra Rosa and Didier Buisson*

Laboratoire de Chimie et Biochimie Pharmacologiques et Toxicologiques, UMR 8601 CNRS, Université René Descartes-Paris V, 45 rue des Saints-Pères, 75270 Paris Cedex 06, France

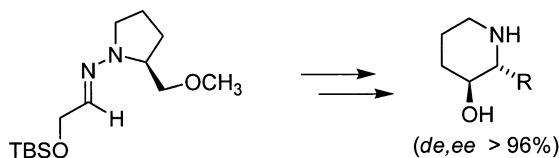


Asymmetric synthesis of 2-substituted piperidin-3-ols

Dieter Enders,* Bert Nolte and Jan Runsink

Institut für Organische Chemie, Rheinisch-Westfälische Technische Hochschule, Professor-Pirlet-Straße 1, 52074 Aachen, Germany

Tetrahedron: Asymmetry 13 (2002) 587

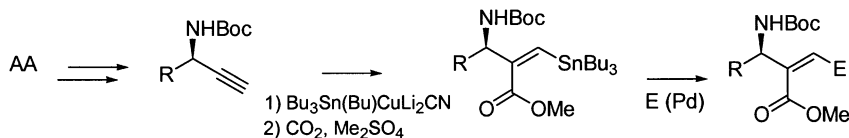


Synthesis of non-racemic β -branched α -(aminoalkyl)-acrylates from naturally occurring amino acids

Gianna Reginato,* Alessandro Mordini, Michela Valacchi and Riccardo Piccardi

CNR, Istituto di Chimica dei Composti OrganoMetallici, c/o Dipartimento di Chimica Organica Ugo Schiff, Polo Scientifico, Università degli Studi di Firenze, Via della Lastruccia, 13-50019 Sesto Fiorentino, Italy

Tetrahedron: Asymmetry 13 (2002) 595



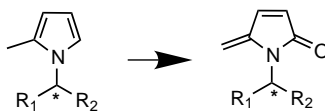
The synthesis of chiral 5-methylene pyrrol-2(5H)-ones via photooxygenation of homochiral 2-methylpyrrole derivatives

Ayhan S. Demir,^{a,*} Feray Aydogan^{a,b} and Idris M. Akhmedov^a

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

^bDepartment of Chemistry, Yildiz Technical University, 34010 Davutpasa, Istanbul, Turkey

Tetrahedron: Asymmetry 13 (2002) 601

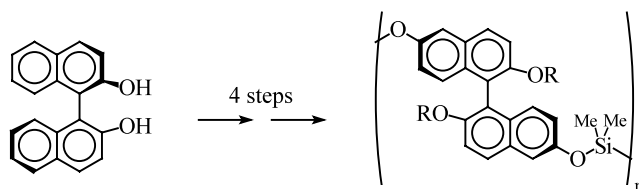


Hybrid silarylene polysiloxanes incorporating chiral BINOL entities: a new class of polymer with main chain chirality

Peter Hesemann, Joël J. E. Moreau* and Cheng Yixiang

Hétérochimie Moléculaire et Macromoléculaire, UMR CNRS 5076, Laboratoire de Chimie Organométallique Ecole Nationale Supérieure de Chimie de Montpellier, 34296 Montpellier Cedex 05, France

Tetrahedron: Asymmetry 13 (2002) 607

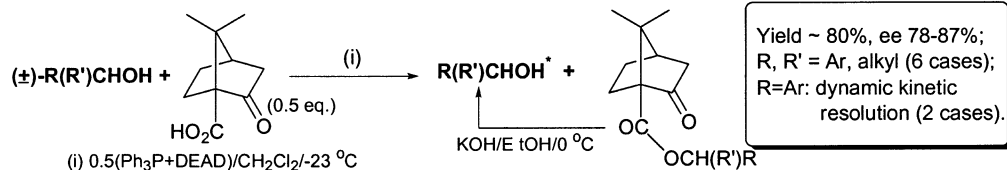


Chiral Mitsunobu reactions with (1*S*)-(+)-ketopinic acid: kinetic resolutions of secondary alcohols

Sosale Chandrasekhar* and Guruprasad Kulkarni

Department of Organic Chemistry, Indian Institute of Science, Bangalore 560 012, India

Tetrahedron: Asymmetry 13 (2002) 615



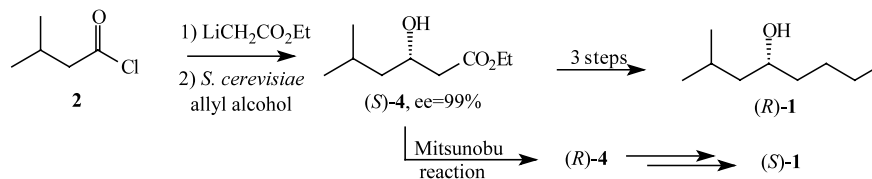
Enantioselective synthesis of (*R*)- and (*S*)-2-methyl-4-octanol, the male-produced aggregation pheromone of Curculionidae species

Patricia T. Baraldi,^a Paulo H. G. Zarbin,^b Paulo C. Vieira^a and Arlene G. Corrêa^{a,*}

^aDepartamento de Química, Universidade Federal de São Carlos, 13565-905 São Carlos, SP Brazil

^bDepartamento de Química, Universidade Federal do Paraná, 81539-990 Curitiba, PR Brazil

Tetrahedron: Asymmetry 13 (2002) 621



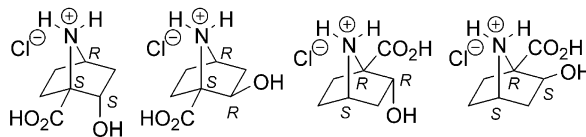
Synthesis of enantiopure analogues of 3-hydroxyproline and derivatives

Alberto Avenoza,^{a,*} José I. Barriobero,^a Jesús H. Busto,^a Carlos Cativiela^b and Jesús M. Peregrina^{a,*}

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

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

Tetrahedron: Asymmetry 13 (2002) 625



Synthesis and chiroptical properties of enantiopure tricyclo- [4.3.0.0^{3,8}]nonane-4,5-dione (twistbrendanedione)

Eugenius Butkus,^{a,*} Albinas Žilinskas,^a Sigitas Stončius,^a Ričardas Rozenbergas,^a Marie Urbanová,^b Vladimír Setnička,^c Petr Bouř^{c,d} and Karel Volka^c

^aDepartment of Organic Chemistry, Vilnius University, Naugarduko 24, 2006 Vilnius, Lithuania

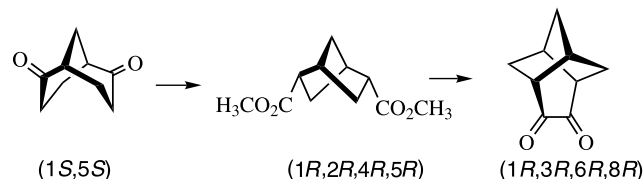
^bDepartment of Physics and Measurement, Institute of Chemical Technology, Technická 5, 16628 Praha 6, Czech Republic

^cDepartment of Analytical Chemistry, Institute of Chemical Technology, Technická 5, 16628 Praha 6, Czech Republic

^dInstitute of Organic Chemistry and Biochemistry, Academy of Sciences of the Czech Republic, Flemingovo nám. 2, 16610 Praha 6, Czech Republic

The synthesis of chiral bicyclo[4.3.0.0^{3,8}]nonane-4,5-dione was accomplished from enantiomerically pure (+)-(1*S*,5*S*)-bicyclo[3.3.1]nonane-2,6-dione. The chiroptical properties of the title molecule were studied by electronic and vibrational circular dichroism spectroscopy proving the (1*R*,3*R*,6*R*,8*R*) absolute configuration.

Tetrahedron: Asymmetry 13 (2002) 633

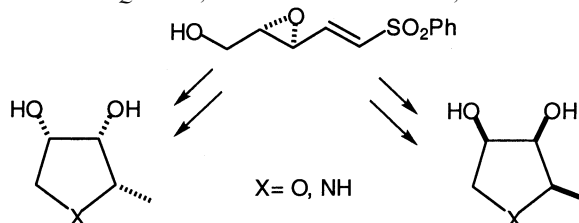


**Regio- and stereoselective ring opening of epoxides.
Enantioselective synthesis of 2,3,4-trisubstituted five-membered heterocycles**

Tetrahedron: Asymmetry 13 (2002) 639

David Díez,* M. Templo Beneitez, Isidro S. Marcos, N. M. Garrido, P. Basabe and Julio G. Urones

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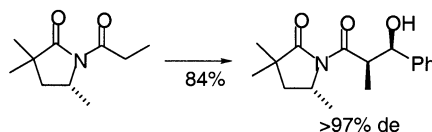


Synthesis and utility of the 3,3-dimethyl-5-substituted-2-pyrrolidinone 'Quat' chiral auxiliary

Tetrahedron: Asymmetry 13 (2002) 647

Stephen G. Davies,* Darren J. Dixon, Gilles J.-M. Doisneau, Jeremy C. Prodder and Hitesh J. Sangane

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

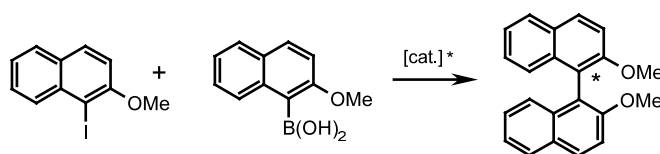


Asymmetric Suzuki cross-coupling reaction: chirality reversal depending on the palladium-chiral phosphine ratio

Tetrahedron: Asymmetry 13 (2002) 659

Anne-Sophie Castanet, Françoise Colobert,* Pierre-Emmanuel Broutin and Michel Obringer

Laboratoire de stéréochimie associé au CNRS, UMR 7008, Université Louis Pasteur, E.C.P.M., 25 rue Becquerel, 67087 Strasbourg Cedex 2, France



A new and efficient chemoenzymatic access to both enantiomers of 4-hydroxycyclopent-2-en-1-one

Tetrahedron: Asymmetry 13 (2002) 667

Ayhan S. Demir* and Ozge Sesenoglu

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