

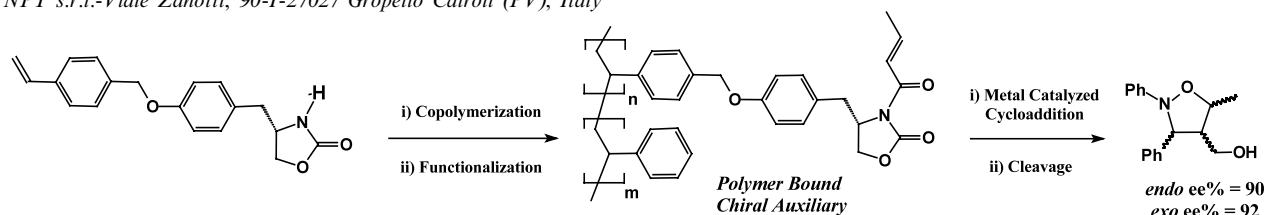
A soluble polymer-bound Evans' chiral auxiliary: synthesis, characterization and use in cycloaddition reactions

Giovanni Desimoni,^a Giuseppe Faita,^{a,*} Alessandro Galbiati,^b Dario Pasini,^{a,*} Paolo Quadrelli^a and Fabio Rancati^a

^aDepartment of Organic Chemistry, University of Pavia-Viale Taramelli, 10-I-27100 Pavia, Italy

^bNPT s.r.l.-Viale Zanotti, 90-I-27027 Gropello Cairoli (PV), Italy

Tetrahedron: Asymmetry 13 (2002) 333

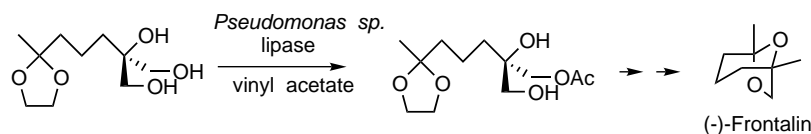


Chemoenzymatic enantioselective synthesis of (1*S*,5*R*)-(-)-frontalin

Robert Chênevert* and Dave Caron

Département de chimie, Faculté des sciences et de génie, Université Laval, Québec (Qc), Canada G1K 7P4

Tetrahedron: Asymmetry 13 (2002) 339

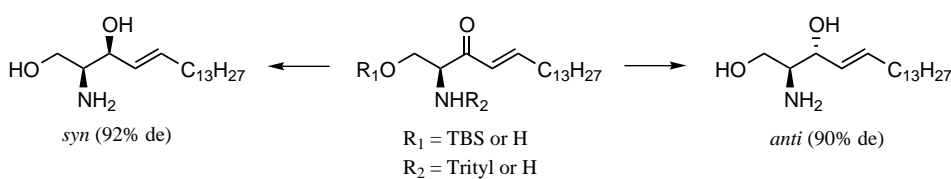


A short and efficient stereoselective synthesis of all four diastereomers of sphingosine

Jae-Mok Lee, Hyun-Suk Lim and Sung-Kee Chung*

Department of Chemistry, Division of Molecular and Life Sciences, Pohang University of Science and Technology, Pohang 790-784, South Korea

Tetrahedron: Asymmetry 13 (2002) 343

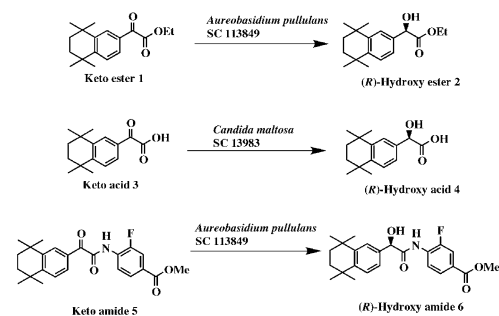


Enantioselective microbial reduction of 2-oxo-2-(1',2',3',4'-tetrahydro-1',1',4',4'-tetramethyl-6'-naphthalenyl)acetic acid and its ethyl ester

Ramesh N. Patel,* Linda Chu, Ramakrishna Chidambaram, Jason Zhu and Joydeep Kant

Process Research & Development, Bristol-Myers Squibb Pharmaceutical Research Institute, PO Box 191, New Brunswick, NJ 08903, USA

Tetrahedron: Asymmetry 13 (2002) 349

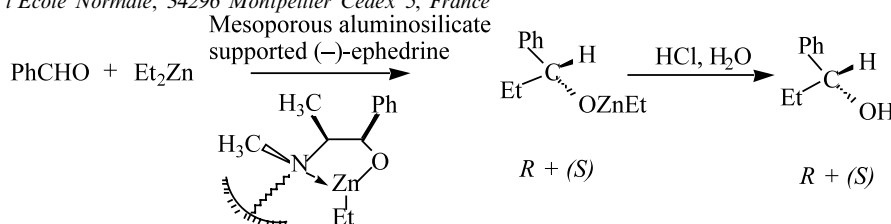


Design of mesoporous aluminosilicates supported (1*R*,2*S*)-(-)-ephedrine: evidence for the main factors influencing catalytic activity in the enantioselective alkylation of benzaldehyde with diethylzinc

Tetrahedron: Asymmetry 13 (2002) 357

S. Abramson, M. Laspéras* and D. Brunel

Laboratoire de Matériaux Catalytiques et Catalyse en Chimie Organique, CNRS UMR 5618, Ecole Nationale Supérieure de Chimie de Montpellier, 8, rue de l'Ecole Normale, 34296 Montpellier Cédex 5, France



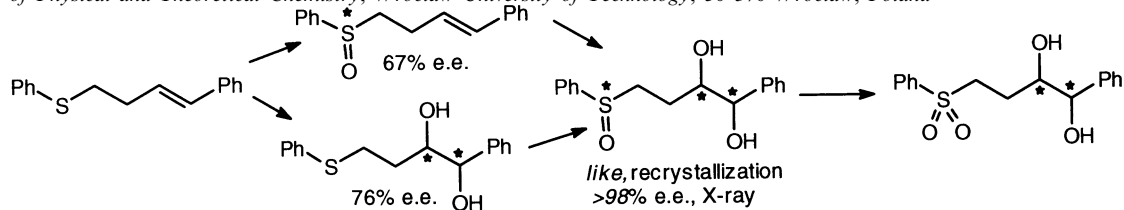
Sequential asymmetric dihydroxylation and sulfoxidation of homoallylic sulfides. Stereochemical aspects of the preparation of new trifunctional chiral building blocks

Tetrahedron: Asymmetry 13 (2002) 369

Jacek Skarżewski,^{a,*} Elżbieta Wojaczyńska^a and Iłona Turowska-Tyrk^b

^aInstitute of Organic Chemistry, Biochemistry and Biotechnology, Wrocław University of Technology, 50-370 Wrocław, Poland

^bInstitute of Physical and Theoretical Chemistry, Wrocław University of Technology, 50-370 Wrocław, Poland



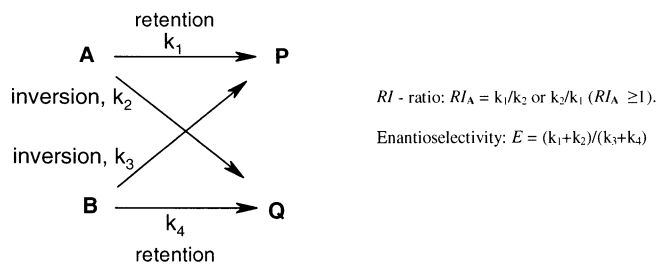
Stereoselectivity in biocatalytic enantioconvergent reactions and a computer program for its determination

Tetrahedron: Asymmetry 13 (2002) 377

Kurt Faber and Wolfgang Kroutil*

Department of Chemistry, Organic & Bioorganic Chemistry, University of Graz, Heinrichstrasse 28, 8010 Graz, Austria

The kinetics of asymmetric biocatalytic transformation of enantiomers which proceed through more than a single stereochemical pathway (e.g. via retention or inversion of configuration) can be described using two parameters: (i) enantioselectivity (*E*) and (ii) ratio of retention to inversion (*RI* value).

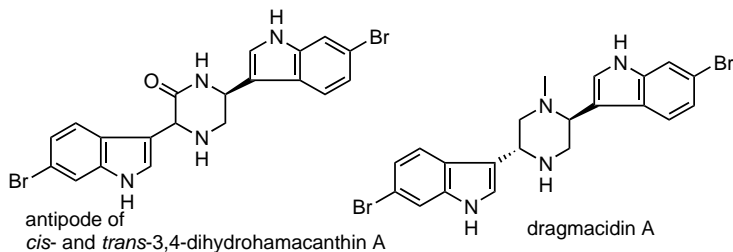


Asymmetric aminohydroxylation of vinyl indoles: a short enantioselective synthesis of the bisindole alkaloids dihydrohamacanthin A and dragmacidin A

Tetrahedron: Asymmetry 13 (2002) 383

Cai-Guang Yang, Jun Wang, Xiao-Xia Tang and Biao Jiang*

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

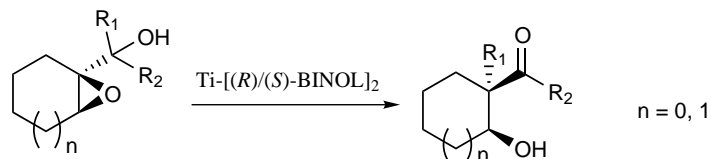


Kinetic resolution via semipinacol rearrangement of α -hydroxy epoxides: a new method for asymmetric synthesis of α -hydroxy epoxides and β -hydroxy ketones containing an α -quaternary carbon

Tetrahedron: Asymmetry 13 (2002) 395

Fei Wang, Yong Qiang Tu,* Chun An Fan, Shao Hua Wang and Fu Min Zhang

Department of Chemistry & National Laboratory of Applied Organic Chemistry, Lanzhou University, Lanzhou 730000, PR China



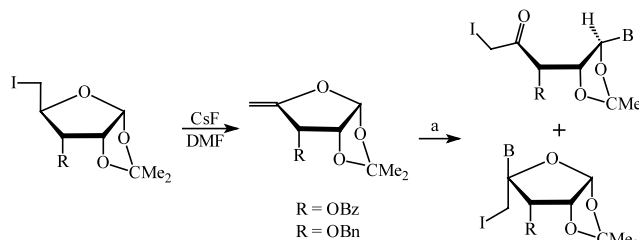
Synthesis of nucleosides from 4-methylidene furanoses. A non-classical electrophilic addition

Tetrahedron: Asymmetry 13 (2002) 399

Rafael Robles,* Isidoro Izquierdo, Concepción Rodríguez, María T. Plaza, Antonio J. Mota and Luis Álvarez de Cienfuegos

Department of Organic Chemistry, Faculty of Pharmacy, University of Granada, 18071 Granada, Spain

(a) Persilylated thymine, uracil, cytosine, and 5-fluorouracil/NIS/Cl₂CH₂.



Enantiomeric d4T analogues and their structural determination

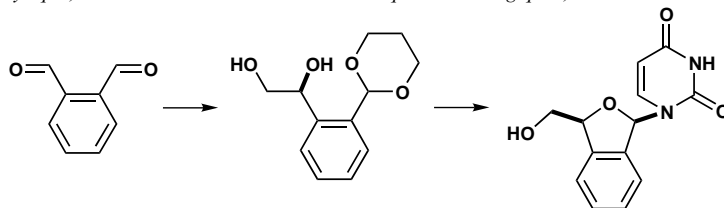
Tetrahedron: Asymmetry 13 (2002) 407

Abdelmajid Selouane,^{a,b} Claude Vaccher,^c Pierre Villa,^a Denis Postel^a and Christophe Len^{a,*}

^aLaboratoire des Glucides, Université de Picardie, Jules Verne, F-80039 Amiens, France

^bUniversité IBN Tofail, Kénitra, Morocco

^cLaboratoire de Chimie Analytique, Faculté des Sciences Pharmaceutiques et Biologiques, Université de Lille 2, F-59006 Lille, France



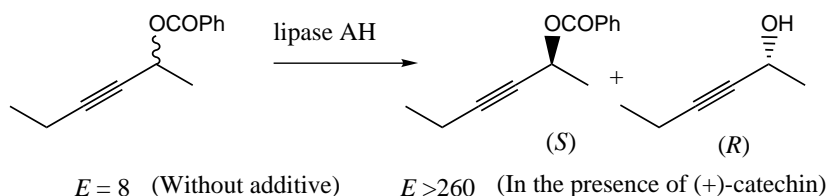
The effect of catechin derivatives on the enantioselectivity of lipase-catalyzed hydrolyses of alkynol benzoate esters

Tetrahedron: Asymmetry 13 (2002) 415

Kaoru Nakamura* and Keishi Takenaka

Institute for Chemical Research, Kyoto University, Uji, Kyoto 611-0011, Japan

Enantioselectivity of a lipase-catalyzed reaction was increased by the addition of catechins.

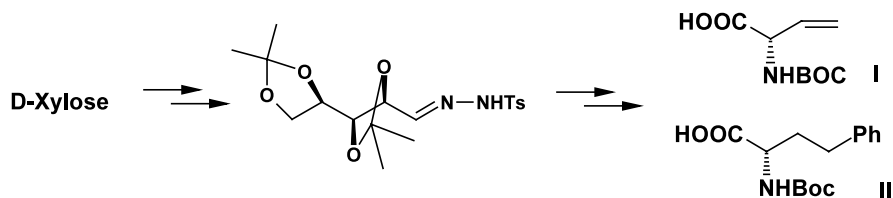


Synthesis of unusual amino acids: *N*-(*tert*-butoxycarbonyl)-*L*-vinyl glycine and *N*-(*tert*-butoxycarbonyl)-*L*-homophenylalanine

Tetrahedron: Asymmetry 13 (2002) 423

S. Chandrasekhar,* Abbas Raza and Mohamed Takhi

Indian Institute of Chemical Technology, Hyderabad 7, A.P, India

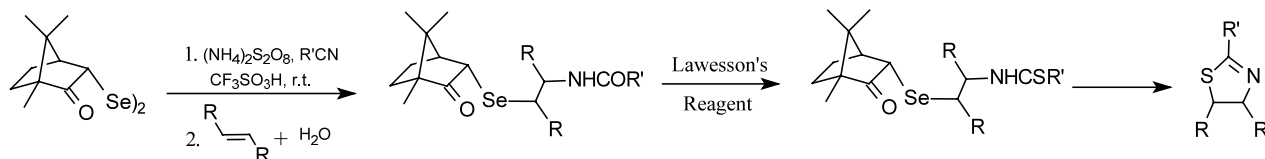


Asymmetric synthesis of thioamido selenides. A simple synthetic route to enantiopure thiazolines

Tetrahedron: Asymmetry 13 (2002) 429

Marcello Tiecco,* Lorenzo Testaferri, Claudio Santi, Cristina Tomassini, Francesca Marini, Luana Bagnoli and Andrea Temperini

Dipartimento di Chimica e Tecnologia del Farmaco, Sezione di Chimica Organica, Università di Perugia, I-06123 Perugia, Italy



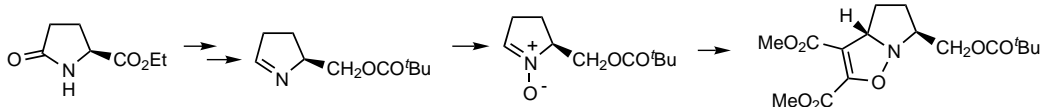
Efficient synthesis of (*S*)-3,4-dihydro-2-pivaloyloxymethyl-2*H*-pyrrole 1-oxide

Tetrahedron: Asymmetry 13 (2002) 437

Félix Busqué,^a Pedro de March,^{a,*} Marta Figueredo,^a Josep Font,^{a,*} Timothy Gallagher^b and Sergio Milán^a

^a*Departament de Química, Universitat Autònoma de Barcelona, 08193 Bellaterra, Spain*

^b*School of Chemistry, University of Bristol, Bristol BS8 1TS, UK*



Multigram scale synthesis of a useful aza-Diels–Alder adduct in a one-step procedure

Tetrahedron: Asymmetry 13 (2002) 447

Jenny K. Ekegren,^a Stefan A. Modin,^a Diego A. Alonso^b and Pher G. Andersson^{a,*}

^a*Department of Organic Chemistry, Uppsala University, Box 531, SE-751 21 Uppsala, Sweden*

^b*Departamento de Química Orgánica, Universidad de Alicante, Apartado 99, 03080 Alicante, Spain*

