

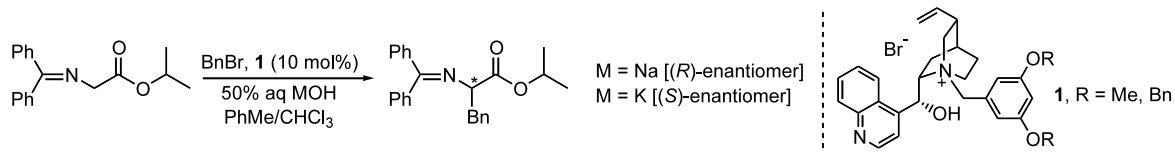
Unexpected metal base-dependent inversion of the enantioselectivity in the asymmetric synthesis of α -amino acids using phase-transfer catalysts derived from cinchonidine

Tetrahedron: Asymmetry 13 (2002) 2181

Patricia Mazón,^a Rafael Chinchilla,^a Carmen Nájera,^{a,*} Gabriela Guillena,^b Rob Kreiter,^b Robertus J. M. Klein Gebbink^b and Gerard van Koten^{b,*}

^aDepartamento de Química Orgánica, Facultad de Ciencias, Universidad de Alicante, Apartado 99, 03080 Alicante, Spain

^bDebye Institute, Department of Metal-Mediated Synthesis, Utrecht University, Padualaan 8, 3584 CH Utrecht, The Netherlands

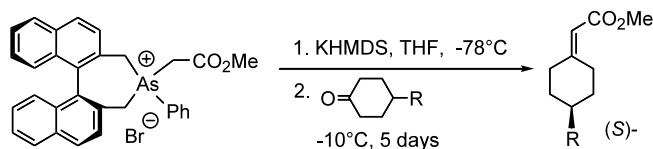


Asymmetric Wittig reactions of chiral arsonium ylides. Part 3: Reversal of stereochemistry caused by metal cation in enantioselective olefination of 4-substituted cyclohexanones using a C₂-symmetric chiral arsine

Tetrahedron: Asymmetry 13 (2002) 2187

Wei-Min Dai,* Anxin Wu and Huafeng Wu

Department of Chemistry, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon, Hong Kong SAR, China



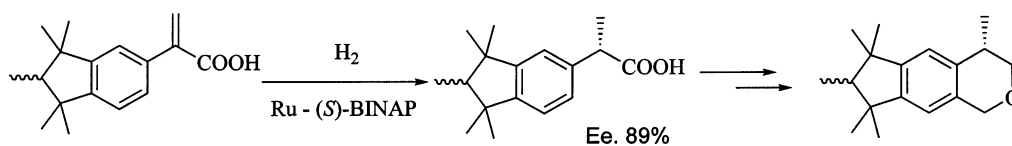
ee%: R = Me (27.7), *tert*-Bu (36.2), *tert*-Amyl (30.4), Ph (40.4)

Asymmetric catalysis in fragrance chemistry: a new synthesis of Galaxolide[®]

Tetrahedron: Asymmetry 13 (2002) 2193

Alessandra Ciappa, Ugo Matteoli and Alberto Scrivanti*

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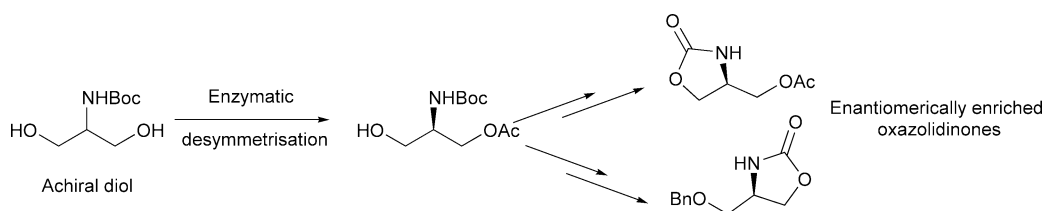


Preparation of 2-oxazolidinones by enzymatic desymmetrisation

Tetrahedron: Asymmetry 13 (2002) 2197

Claudia Neri and Jonathan M. J. Williams*

Department of Chemistry, University of Bath, Claverton Down, Bath BA2 7AY, UK

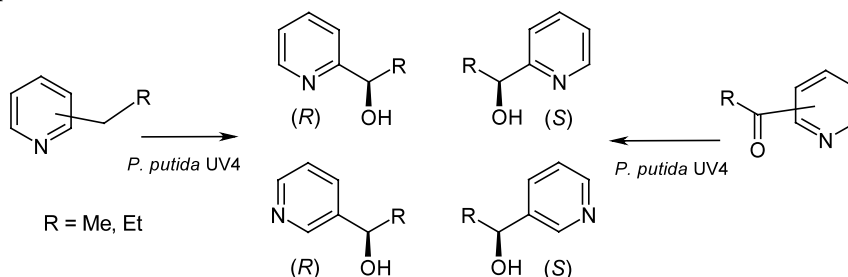


Enantiocomplementary preparation of (S)- and (R)-1-pyridylalkanols via ketone reduction and alkane hydroxylation using whole cells of *Pseudomonas putida* UV4

Tetrahedron: Asymmetry 13 (2002) 2201

Mark D. Garrett, Robin Scott and Gary N. Sheldrake*

School of Chemistry, David Keir Building,
The Queen's University of Belfast,
Belfast BT9 5AG, UK

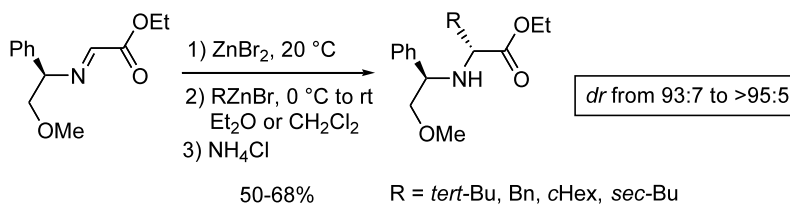


Diastereoselective addition of organozinc reagents to chiral α -imino esters

Tetrahedron: Asymmetry 13 (2002) 2205

Kan Paï Chiev, Sylvain Roland* and Pierre Mangeney

Laboratoire de chimie des organoéléments, UMR 7611, université P. et M. Curie, 4, place Jussieu, tr 44-45, 2^{ème} ét., 75252 Paris cedex 05, France



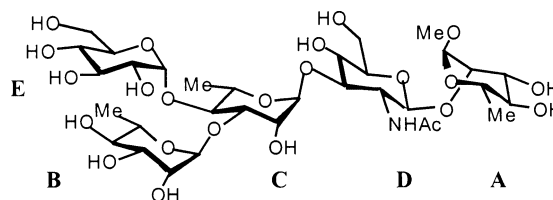
Convergent synthesis of the methyl glycosides of a tetra- and a pentasaccharide fragment of the *Shigella flexneri* serotype 2a O-specific polysaccharide

Tetrahedron: Asymmetry 13 (2002) 2211

Fabienne Segat-Dioury and Laurence A. Mulard*

Unité de Chimie Organique, URA CNRS 2128, Institut Pasteur,
28 rue du Dr. Roux, 75724 Paris Cedex 15, France

A convergent synthesis of the pentasaccharide B(E)CDA-OMe is described, together with those of the corresponding tri- and tetrasaccharide, CDA-OMe and ECDA-OMe, respectively.



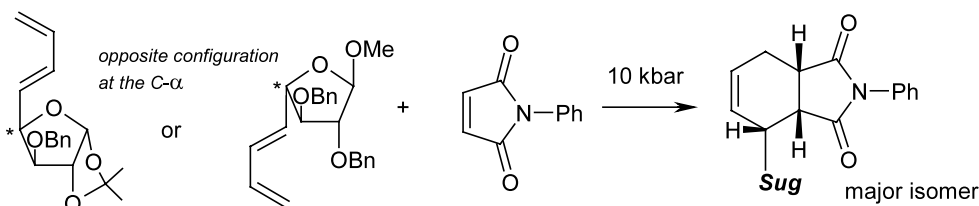
Stereochemistry of the Diels–Alder cyclization of sugar-derived dienes with active dienophiles

Tetrahedron: Asymmetry 13 (2002) 2223

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

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^bFaculty of Chemistry, University of Wrocław, F. Joliot-Curie 14, 50-383 Wrocław, Poland

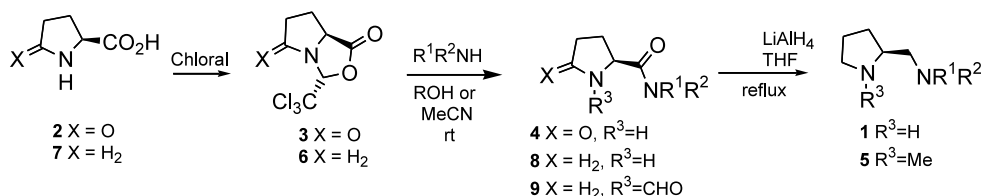


Synthesis of chiral diamines using novel 2-trichloromethyl-oxazolidin-4-one precursors derived from 5-oxo-proline and proline

Mohamed Amedjkouh* and Per Ahlberg

Organic Chemistry, Department of Chemistry, Göteborg University, SE-412 96 Göteborg, Sweden

Tetrahedron: Asymmetry 13 (2002) 2229



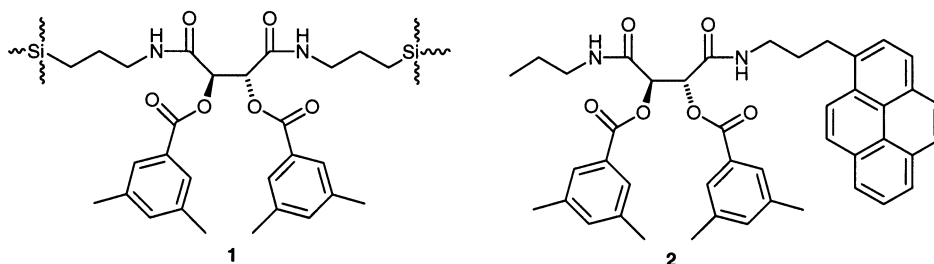
A comparison of silica and porous graphitic carbon as support materials for a chiral selector in HPLC

Joakim Oxelbark^{a,*} and Sofia Claesson^b

^aDepartment of Chemistry, Göteborg University, S-41296 Göteborg, Sweden

^bDMPK & Bioanalytical Chemistry, AstraZeneca R&D Mölndal, S-43183 Mölndal, Sweden

Tetrahedron: Asymmetry 13 (2002) 2235

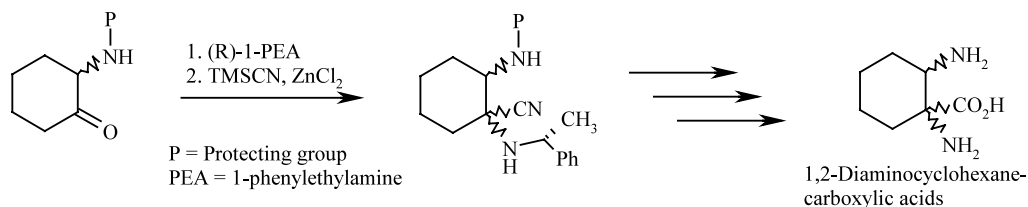


Carbocyclic α,β -diamino acids: asymmetric Strecker synthesis of stereomeric 1,2-diaminocyclohexanecarboxylic acids

Kamalesh P. Pai Fondekar, Franz-J. Volk, S. M. Khaliq-uz-Zaman, Philippe Bisel and August W. Frahm*

Lehrstuhl für Pharmazeutische Chemie, Albert-Ludwigs-Universität Freiburg, Albertstrasse 25, D-79104 Freiburg, Germany

Tetrahedron: Asymmetry 13 (2002) 2241

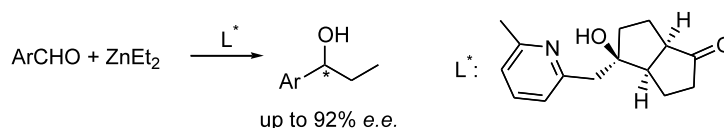


Amino alcohols with the bicyclo[3.3.0]octane scaffold as ligands for the catalytic enantioselective addition of diethylzinc to aldehydes

Yu-wu Zhong, Xin-sheng Lei and Guo-qiang Lin*

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

Tetrahedron: Asymmetry 13 (2002) 2251

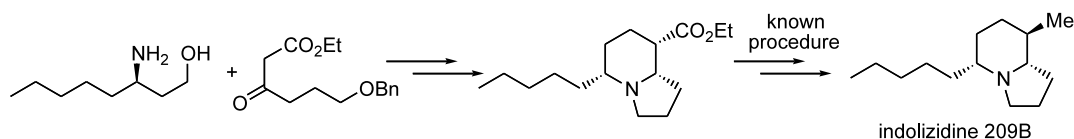


Efficient formal synthesis of the dendrobatid alkaloid, indolizidine (-)-209B

Tetrahedron: Asymmetry 13 (2002) 2257

Dawei Ma,* Xiaotao Pu and Jinyi Wang

State Key Laboratory of Bioorganic and Natural Products Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Lu, Shanghai 200032, China



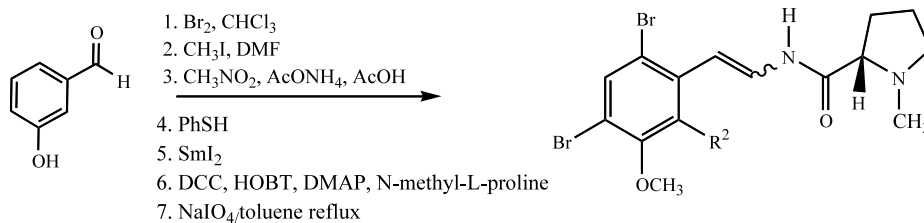
Asymmetric synthesis of amathamides A and B: novel alkaloids isolated from *Amathia wilsoni*

Tetrahedron: Asymmetry 13 (2002) 2261

Moisés Ramírez Osuna,^a Gerardo Aguirre,^{a,*} Ratnasamy Somanathan^{a,*} and Elias Molins^b

^aCentro de Graduados e Investigación, Instituto Tecnológico de Tijuana, Apartado postal 1166, 22000 Tijuana, B.C. Mexico

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



Synthesis of (1*S*,2*S*)- and (1*R*,2*R*)-1-amino-2-methylcyclopropane-phosphonic acids from racemic methylcyclopropanone acetal

Tetrahedron: Asymmetry 13 (2002) 2267

Nicolas Tesson, Benoist Dorignoux and Antoine Fadel*

Laboratoire des Carbocycles (Associé au CNRS), Institut de Chimie Moléculaire d'Orsay Bât. 420, Université de Paris-Sud, 91405 Orsay, France

The readily available racemic acetal underwent, in the presence of phosphite and chiral amine, a one-pot reaction to give the corresponding phosphonates with high diastereoselectivity and yields. After formylation and separation, the phosphonates furnish enantiopure 1-amino-2-methyl-cyclopropanephosphonic acids in two steps.

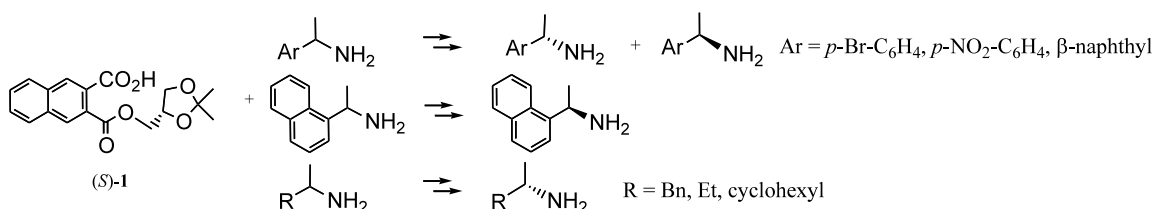


Highly efficient resolutions with isopropylidene glycerol 3-carboxy-2-naphthoate

Tetrahedron: Asymmetry 13 (2002) 2277

Marco Pallavicini,* Cristiano Bolchi, Laura Fumagalli, Ermanno Valoti and Luigi Villa

Istituto di Chimica Farmaceutica e Tossicologica, Università di Milano, viale Abruzzi 42, I-20131 Milano, Italy



Synthesis of optically active 2,2-difluorohomoallyl alcohols by lipase-catalyzed transesterification

Tetrahedron: Asymmetry 13 (2002) 2283

Masayuki Kirihara,^{a,*} Masashi Kawasaki,^b Hiroki Katsumata,^a Hiroko Kakuda,^c Motoo Shiro^d and Shigeki Kawabata^b

^aDepartment of Materials Science, Shizuoka Institute of Science and Technology, 2200-2 Toyosawa, Fukuroi, Shizuoka 437-8555, Japan

^bFaculty of Engineering, Toyama Prefectural University, 5180 Kurokawa, Kosugi-Machi, Toyama 939-0398, Japan

^cLaboratory of Chemistry, Toyama Medical and Pharmaceutical University, 2630 Sugitani, Toyama 930-0194, Japan

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