Synthesis of novel *N,O*-planar chiral [2,2]paracyclophane ligands and their application as catalysts in the addition of diethylzinc to aldehydes

Tetrahedron: Asymmetry *12 (2001) 529*

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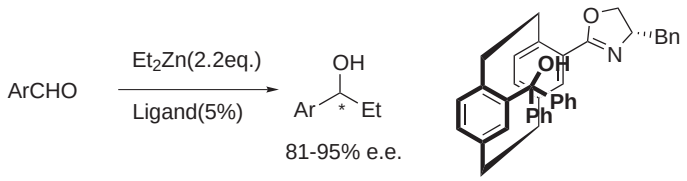

Resolution and determination of the absolute configuration of 3,3′4,4′-tetramethyl-1,1′-diphosphaferrocene-2-carboxylic acid

Tetrahedron: Asymmetry *12 (2001) 533*

Arkadiusz Kłys,[a] Janusz Zakrzewski,[a,*] Agnieszka Rybarczyk-Pirek[b] and Tomasz A. Olszak[b]

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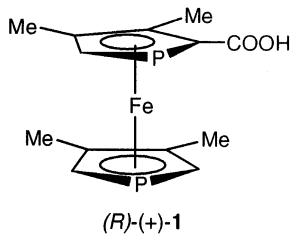
[b]*Department of Crystallography, University of Łódź, Pomorska 149/153, 90-236 Łódź, Poland*

Racemic 3,3′4,4′-tetramethyl-1,1′-diphosphaferrocene-2-carboxylic acid **1** was resolved via diastereomeric salts with brucine. The (*R*)-absolute configuration of (+)-**1** was determined by X-ray crystallography.



(R)-(+)-**1**

Asymmetric electrophilic amination of enolates by a chiral *N*-alkoxycarbonyloxaziridine

Tetrahedron: Asymmetry *12 (2001) 535*

Alan Armstrong,[a,*] Mark A. Atkin[a] and Steven Swallow[b]

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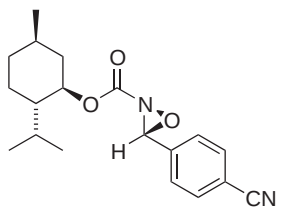
A new chiral 3-aryl-*N*-alkoxycarbonyloxaziridine, derived from menthol, was prepared and tested as a reagent for asymmetric electrophilic amination of enolates.



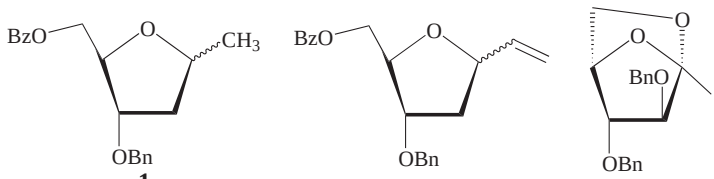
Pd(II)-mediated synthesis of 2-deoxy- and rare-*C*-glycosides

Tetrahedron: Asymmetry *12 (2001) 539*

G. V. M. Sharma,* A. Subhash Chander and Palakodety Radha Krishna

Discovery Laboratory D-211, Organic Chemistry Division III, Indian Institute of Chemical Technology, Hyderabad 500 007, India

The synthesis of 2-deoxy-*C*-methyl glycoside **1**, 2-deoxy-*C*-vinyl glycoside **2** and rare-*C*-methyl glycoside **3** is described



A practical and efficient preparation of (−)-(4a*S*,5*R*)-4,4a,5,6,7,8-hexahydro-4a,5-dimethyl-2(3*H*)-naphthalenone: a key intermediate in the synthesis of (−)-dehydrofukinone

Tetrahedron: Asymmetry *12 (2001) 579*

Rossana A. Schenato,[b] Éverton M. dos Santos,[a] Beatriz S. M. Tenius,[a,*] Paulo R. R. Costa,[b] Ignez Caracelli[c] and Julio Zukerman-Schpector[c]

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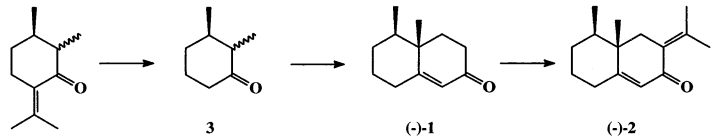
[b]*NPPN, Universidade Federal do Rio de Janeiro, Rio de Janeiro, RJ, Brazil*
[c]*Departamento de Química, Universidade Federal de São Carlos, SP and Instituto de Química, USP, SP, Brazil*

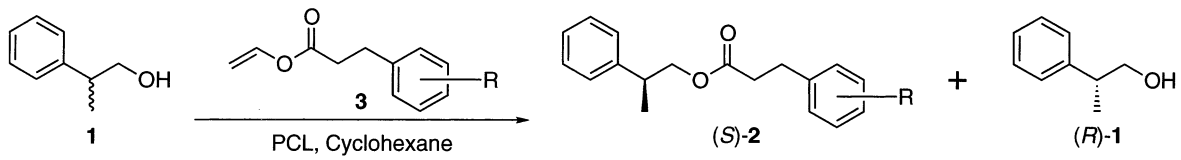


The effect of vinyl esters on the enantioselectivity of the lipase-catalysed transesterification of alcohols

Tetrahedron: Asymmetry *12 (2001) 585*

Masashi Kawasaki,[a,*] Michimasa Goto,[b] Shigeki Kawabata[a] and Tadashi Kometani[b]

[a]*Department of Liberal Arts and Sciences, Faculty of Engineering, Toyama Prefectural University, 5180 Kurokawa, Kosugi-Machi, Toyama 939-0398, Japan*
[b]*Department of Chemical and Biochemical Engineering, Toyama National College of Technology, 13 Hongo, Toyama 939-8630, Japan*

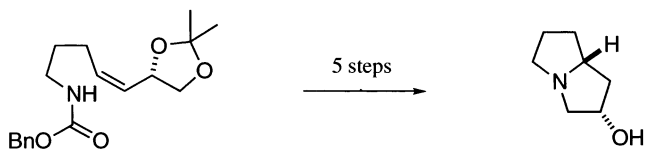


Intramolecular amidomercurations under allylic control: a stereoselective synthesis of (+)-pseudohygroline and (+)-3-hydroxypyrrolizidine

Tetrahedron: Asymmetry *12 (2001) 597*

Gina Enierga,[a] Maria Espiritu,[a] Patrick Perlmutter,[a,*] Ngoc Pham,[a] Mark Rose,[a] Stefan Sjöberg,[b] Neeranat Thienthong[a] and Katie Wong[a]

[a]*Department of Chemistry, Monash University, PO Box 23, Victoria 3800, Australia*
[b]*Department of Organic Chemistry, Uppsala University, Uppsala, Sweden*



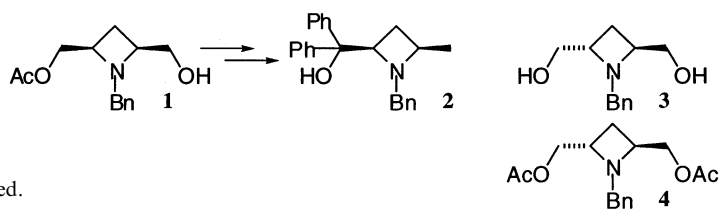
Synthesis of chiral non-racemic azetidines by lipase-catalysed acetylations and their transformation into amino alcohols: precursors of chiral catalysts

Tetrahedron: Asymmetry *12 (2001) 605*

Giuseppe Guanti* and Renata Riva*

Dipartimento di Chimica e Chimica Industriale and CNR, Centro di Studio per la Chimica dei Composti Cicloalifatici ed Aromatici, via Dodecaneso 31, I-16146 Genoa, Italy

The synthesis of optically active azetidines, by lipase-catalysed asymmetrisation in the case of **1** or by double sequential kinetic resolution in the cases of **3** and **4**, is reported. The transformation of **1** into chiral amino alcohol **2**, a precursor of oxazaborolidine homogeneous catalysts, was also investigated.



Synthesis of enantiopure bis-isoxazolines from (4*R*)-(+)-4-acetoxycyclopent-2-enone

Tetrahedron: Asymmetry *12 (2001) 619*

Giorgio Adembri,[a] M. Laura Paoli,[a] Patrizia Rossi[b] and Alessandro Sega[a,*]

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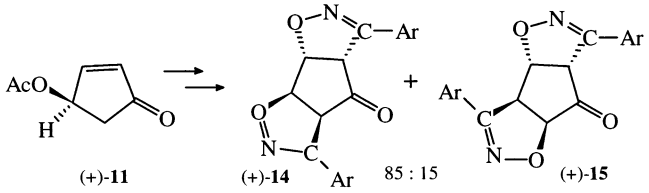
[b]*Dipartimento di Energetica, Via di Santa Marta 3, 50139 Florence, Italy*



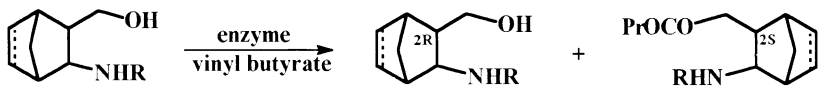
Enzymatic resolution of bicyclic 1,3-amino alcohols in organic media

Tetrahedron: Asymmetry *12 (2001) 625*

Judit Kámán,[a,b] Johan Van der Eycken,[a] Antal Péter[c] and Ferenc Fülöp[b,*]

[a]*Department of Organic Chemistry, Ghent University, Krijgslaan 281 (S.4), B-9000 Gent, Belgium*
[b]*Institute of Pharmaceutical Chemistry, University of Szeged, H-6701 Szeged, POB 121, Hungary*
[c]*Department of Inorganic and Analytical Chemistry, University of Szeged, H-6701 Szeged, Dóm tér 7, Hungary*

N-Protected racemic di-*exo*- and di-*endo*-3-aminobicyclo[2.2.1]heptane-2-methanols and di-*exo*- and di-*endo*-3-aminobicyclo[2.2.1]hept-5-ene-2-methanols were resolved through lipase-catalysed *O*-acylation.



Monodentate phosphites with carbohydrate substituents and their application in rhodium catalysed asymmetric hydrosilylation reactions

Tetrahedron: Asymmetry *12 (2001) 633*

Andrés Suárez,[a] Antonio Pizzano,[a,*] Inmaculada Fernández[b] and Noureddine Khiar[a]

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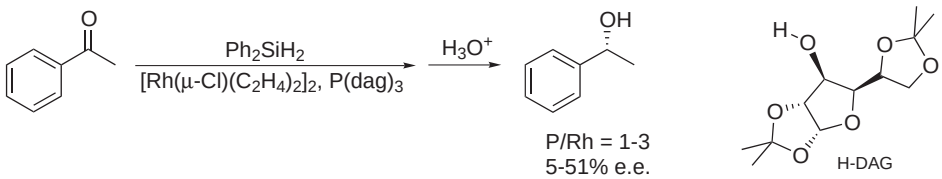
[b]*Dpto Química Orgánica y Farmacéutica, Facultad de Farmacia, Universidad de Sevilla, 41071 Seville, Spain*



Preparation of (1*R*,8*S*)- and (1*S*,8*R*)-9-azabicyclo[6.2.0]dec-4-en-10-one: potential starting compounds for the synthesis of anatoxin-*a*

Tetrahedron: Asymmetry *12 (2001) 643*

Enikő Forró, Judit Árva and Ferenc Fülöp*

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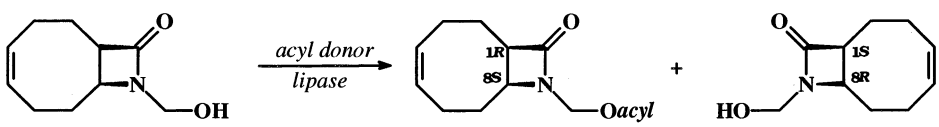
Enantiomers of 9-azabicyclo[6.2.0]-dec-4-en-10-one and valuable β-amino acids were prepared through lipase PS-catalysed asymmetric acylation of 9-hydroxymethyl-9-azabicyclo[6.2.0]-dec-4-en-10-one.

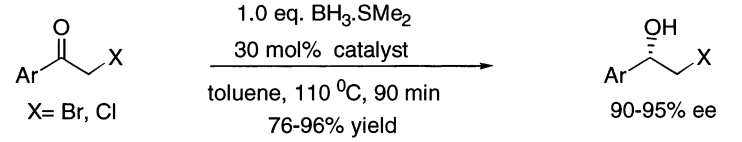


A novel and effective chiral phosphoramide catalyst for the borane-mediated asymmetric reduction of prochiral α-halo ketones

Tetrahedron: Asymmetry *12 (2001) 685*

Deevi Basavaiah,* Gone Jayapal Reddy and Vanampally Chandrashekar

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



Ar = phenyl, 4-methylphenyl, 4-ethylphenyl, 4-chlorophenyl, 4-bromophenyl