Homochiral rigid γ-amino acid glycosides from aucubin

Tetrahedron: Asymmetry *14 (2003) 1083*

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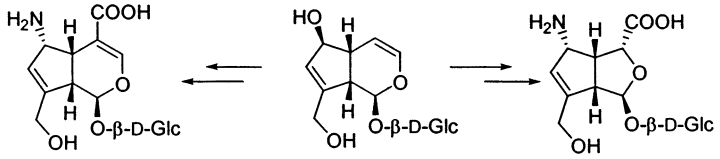

Enantioselective hydrogenation catalyzed by highly active rhodium complexes of chiral phosphites with atropisomeric moieties

Tetrahedron: Asymmetry *14 (2003) 1087*

Ildikó Gergely,[a] Csaba Hegedüs,[b] Henrik Gulyás,[b] Áron Szöllősy,[c] Axel Monsees,[d]
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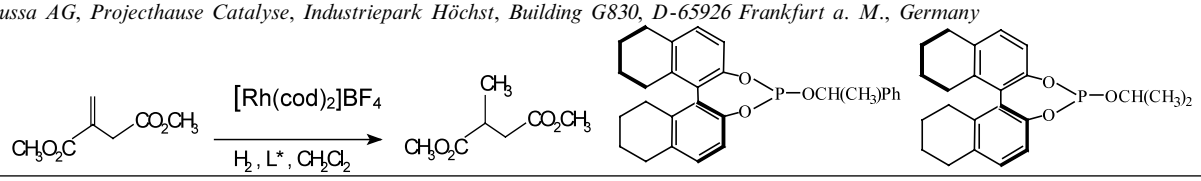

Kinetic resolutions of racemic amines and alcohols catalyzed by an industrial glutaryl-7-aminocephalosporanic acid acylase with unexpected broad substrate specificity

Tetrahedron: Asymmetry *14 (2003) 1091*

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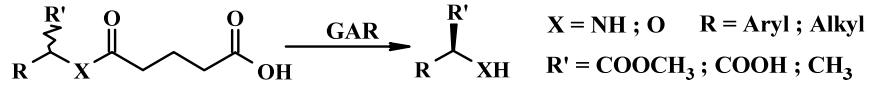
An industrial glutaryl-7-aminocephalosporanic acid acylase (GAR) possesses a significant broad substrate specificity that crosses over the usual cephalosporanic skeleton. Enantioselective amidase and even esterase activities have been observed with all the glutarates of racemic substrates investigated, with a stereopreference for the (*S*)-enantiomer.

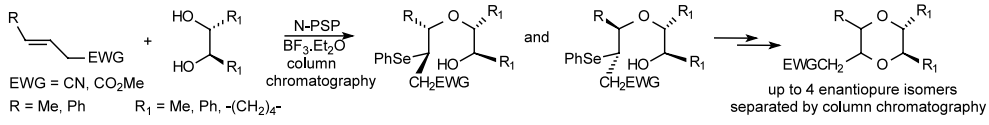


Synthesis of enantiomerically pure 1,4-dioxanes from alkenes promoted by organoselenium reagents

Tetrahedron: Asymmetry *14 (2003) 1095*

Marcello Tiecco,* Lorenzo Testaferri, Francesca Marini, Silvia Sternativo, Claudio Santi, Luana Bagnoli and Andrea Temperini

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



Synthesis of optically active tetrameric melanin intermediates by oxidation of the melanogenic precursor 5,6-dihydroxyindole-2-carboxylic acid under biomimetic conditions

Tetrahedron: Asymmetry *14 (2003) 1133*

Alessandro Pezzella,* Davide Vogna and Giuseppe Prota

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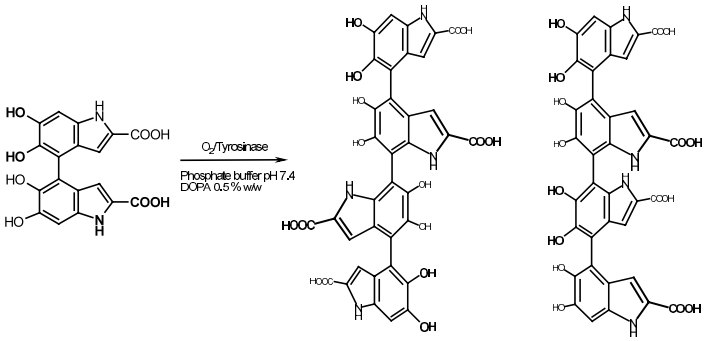

Efficient enantiodiscrimination of chiral monophosphine oxides and boranes by phosphorus coupled ^{13}C NMR spectroscopy in the presence of chiral ordering agents

Tetrahedron: Asymmetry *14 (2003) 1141*

Michaël Rivard,[a] Frédéric Guillen,[a] Jean-Claude Fiaud,[a,*] Christie Aroulanda[b] and Philippe Lesot[b,*]

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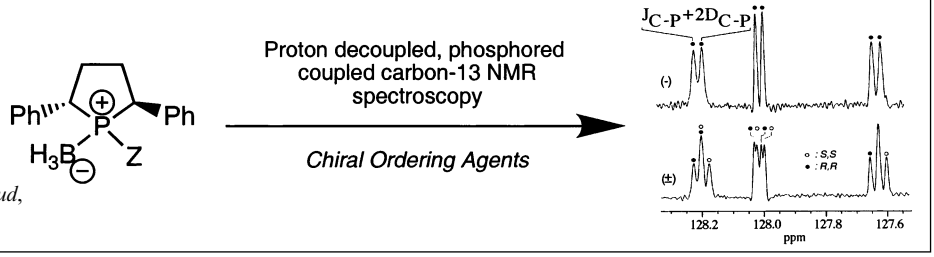
[b]*Laboratoire de Chimie Structurale Organique, CNRS UMR 8074, ICMMO, Bât. 410, Université de Paris-Sud, 91405 Orsay, France*



Synthesis of agarofuran antifeedants. Part 6: Enantioselective synthesis of a key decalinic intermediate

Tetrahedron: Asymmetry *14 (2003) 1153*

François-Didier Boyer,[a] Thierry Prangé[b] and Paul-Henri Ducrot[a,*]

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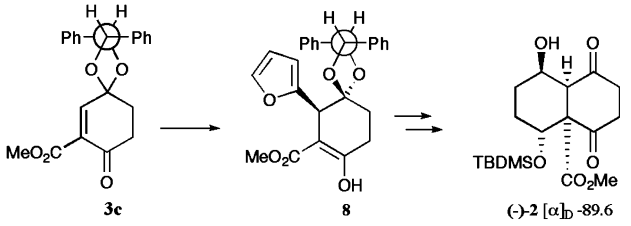

The synthesis of **2**, a key intermediate for the total synthesis of agarofurans antifeedants is described, using a diastereoselective addition of furan on keto ester **3c**, incorporating a chiral hydrobenzoin moiety.

Asymmetric addition of titanium and sodium alkoxides to chiral imines

Tetrahedron: Asymmetry *14 (2003) 1161*

Anna Kulesza,[a] Adam Mieczkowski,[a] Jan Romański[a] and Janusz Jurczak[a,b,*]

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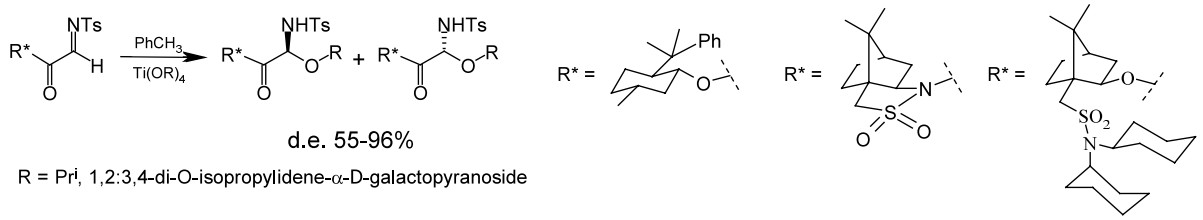
[b]*Institute of Organic Chemistry, Polish Academy of Sciences, Kasprzaka 44/52, PL-01-224 Warsaw, Poland*

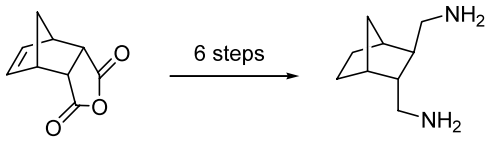


Tetrahedron: Asymmetry *14 (2003) 1167*

The first enantioselective synthesis of chiral norbornane-type 1,4-diamine ligand

Cihangir Tanyeli* and Salih Özçubukçu

Department of Chemistry, Middle East Technical University, 06531 Ankara, Turkey



1 **8**

Tetrahedron: Asymmetry *14 (2003) 1171*

Reactivity of chiral exocyclic *N*-acyliminium ions with aromatic derivatives

Tiziana Mecozzi, Marino Petrini* and Roberto Profeta

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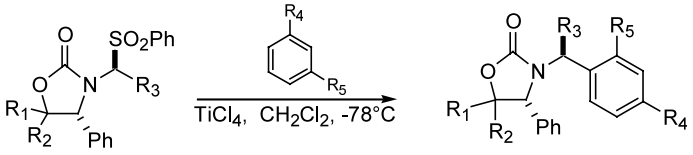
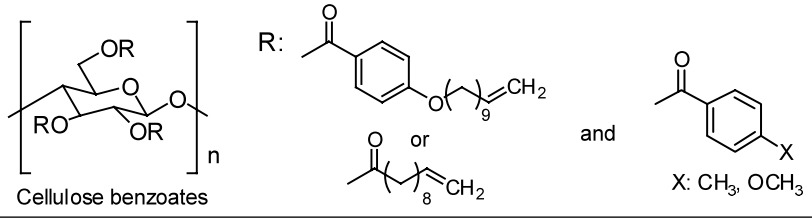


Tetrahedron: Asymmetry *14 (2003) 1179*

Mixed cellulose-derived benzoates bonded on allylsilica gel as HPLC chiral stationary phases: influence of the introduction of an aromatic moiety in the fixation substituent

Jordi Garcés,[a] Pilar Franco,[a] Laureano Oliveros[b] and Cristina Minguillón[a,*]

[a]*Laboratori de Química Farmacèutica, Facultat de Farmàcia, Universitat de Barcelona, Avda. Diagonal s/n, E-08028 Barcelona, Spain*
[b]*Laboratoire de Chimie Générale, Conservatoire National des Arts et Métiers, 292, rue Saint-Martin, F-75141 Paris Cedex 03, France*



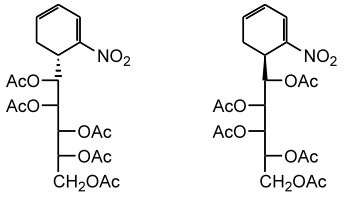
Tetrahedron: Asymmetry *14 (2003) 1187*

Studies on the reactivity of (pentitol-1-yl)nitrocyclohexadienes with acetyl chloride in methanol

M. Baños, E. Román* and J. A. Serrano

Departamento de Química Orgánica, Facultad de Ciencias, Universidad de Extremadura, 06071, Badajoz, Spain

The reaction of **2a** and **2b** with acetyl chloride in methanol depends on the nature of the sugar side-chain, as well as on the configuration at the stereogenic carbon of the cyclohexadiene ring. Whereas D-*manno* nitrocyclohexadiene **2a** led to a complex mixture of products with structures of benzofuran, chromane-3,4-diol, tridecane tricyclic ketal, bicyclic or tricyclic oximes, nitrobenzene and nitrocyclohexenol, the D-*galacto* isomer **3b** led exclusively to a bicyclic oxime.



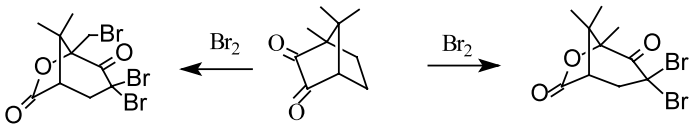
2a **3b**

The bromination of (−)-camphorquinone

Tetrahedron: Asymmetry *14 (2003) 1197*

Desmond Cunningham,[b] David H. Grayson,[a,*] Patrick McArdle[b] and John J. Walsh[a]

[a]*Centre for Synthesis and Chemical Biology, University Chemical Laboratory, Trinity College, Dublin 2, Ireland*
[b]*Chemistry Department, University College, Galway, Ireland*

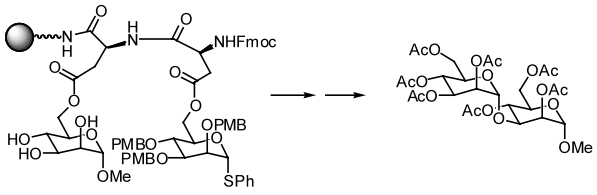


Solid phase peptide templated glycosidic bond formation

Tetrahedron: Asymmetry *14 (2003) 1201*

Richard J. Tennant-Eyles, Benjamin G. Davis and Antony J. Fairbanks*

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

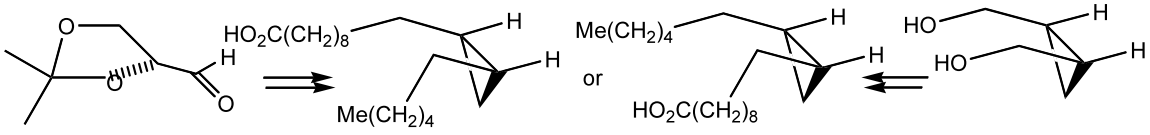


The synthesis of (11*R*,12*S*)-lactobacillic acid and its enantiomer

Tetrahedron: Asymmetry *14 (2003) 1211*

Geoffrey D. Coxon,[a,b] Juma R. Al-Dulayymi,[a] Mark S. Baird,[a] Stefan Knobl,[a] Evan Roberts[a] and David E. Minnikin[c,*]

[a]*Department of Chemistry, University of Wales, Bangor, Gwynedd LL57 1BE, UK*
[b]*Department of Chemistry, University of Newcastle, Newcastle upon Tyne NE1 7RU, UK*
[c]*School of Biosciences, The University of Birmingham, Edgbaston, Birmingham B15 2TT, UK*



(*S*)-(3-Hydroxy-4,4-dimethyl-2-oxopyrrolidin-1-yl) acetic acid as a solid supported chiral auxiliary in the asymmetric synthesis of β²-homoarylglycines

Tetrahedron: Asymmetry *14 (2003) 1223*

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