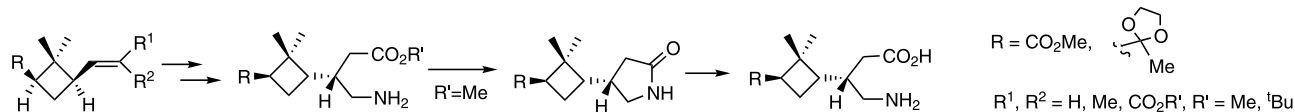
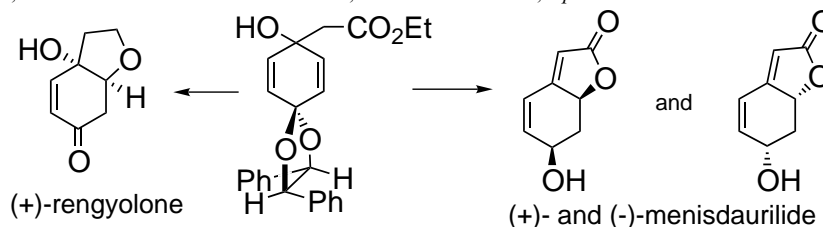
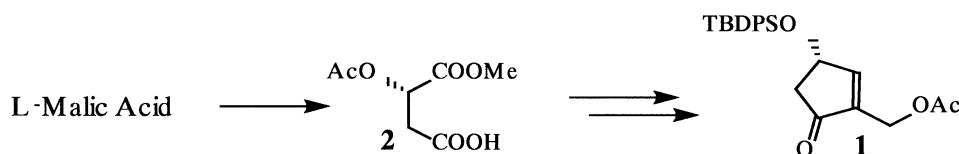
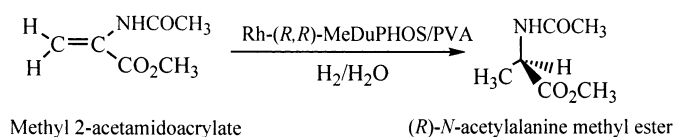


Stereoselective synthesis of cyclobutyl GABA analogues and related compounds from (-)-(S)-verbenone*Tetrahedron: Asymmetry 13 (2002) 451*Albertina G. Moglioni,^{a,b,*} Beatriz N. Brousse,^{a,b} Angel Álvarez-Larena,^c Graciela Y. Moltrasio^b and Rosa M. Ortuño^{a,*}^aDepartament de Química, Universitat Autònoma de Barcelona, 08193 Bellaterra, Barcelona, Spain^bDepartamento de Química Orgánica, Facultad de Farmacia y Bioquímica, Universidad de Buenos Aires, 1113 Buenos Aires, Argentina^cUnitat de Cristal·lografia, Universitat Autònoma de Barcelona, 08193 Bellaterra, Barcelona, Spain**First synthesis of (+)-rengyolone and (+)- and (-)-menisdaurilide***Tetrahedron: Asymmetry 13 (2002) 455*Mariona Cantó,^a Pedro de March,^{a,*} Marta Figueredo,^a Josep Font,^a Sonia Rodríguez,^a Angel Álvarez-Larena^b and Juan F. Piniella^b^aDepartament de Química, Universitat Autònoma de Barcelona, E-08193 Bellaterra, Spain^bUnitat de Cristal·lografia, Universitat Autònoma de Barcelona, E-08193 Bellaterra, Spain**A synthesis of (4S)-2-(acetoxymethyl)-4-(tert-butyl-diphenylsilyloxy)-2-cyclopenten-1-one***Tetrahedron: Asymmetry 13 (2002) 461*Xiao-Xin Shi,^{a,b,*} Qing-Quan Wu^b and Xia Lu^a^aThe Faculty of Chemistry and Pharmaceutical Engineering, East China University of Science and Technology, PO Box 361, 130 Mei-Long Road, Shanghai 200237, PR China^bShanghai Institute of Organic Chemistry, Chinese Academy of Science, 354 Feng-Ling Road, Shanghai 200032, PR China**Heterogenization of Rh-MeDuPHOS by occlusion in polyvinyl alcohol films***Tetrahedron: Asymmetry 13 (2002) 465*Adi Wolfson,^a Shimona Geresh,^{a,c,*} Moshe Gottlieb^b and Moti Herskowitz^a^aBlechner Center for Industrial Catalysis and Process Development, Department of Chemical Engineering, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel^bStadler Minerva Center for Mesoscopic Macromolecule Engineering, Department of Chemical Engineering, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel^cInstitute for Applied Biosciences, Department of Biotechnology Engineering, Ben-Gurion University of the Negev, Beer-Sheva 84105, Israel

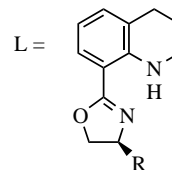
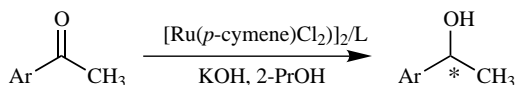
Chiral 1,2,3,4-tetrahydroquinolinyl-oxazoline ligands for Ru-catalyzed asymmetric transfer hydrogenation of ketones

Tetrahedron: Asymmetry 13 (2002) 469

Yi-Bo Zhou,^a Fang-Yi Tang,^b Hua-Dong Xu,^b Xin-Yan Wu,^b Jun-An Ma^a and Qi-Lin Zhou^{a,*}

^aState Key Laboratory and Institute of Elemento-Organic Chemistry, Nankai University, Tianjin 300071, China

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Computational studies on the enantioselectivity of α -chymotrypsin towards β -carbomethoxy- γ -lactams

Tetrahedron: Asymmetry 13 (2002) 475

F. Felluga,^a M. Fermeiglia,^b M. Ferrone,^b G. Pitacco,^a S. Prici^{b,*} and E. Valentin^a

^aDepartment of Chemical Sciences, University of Trieste, Via Giorgieri 1, 34127 Trieste, Italy

^bComputer-aided Systems Laboratory, Department of Chemical, Environmental and Raw Materials Engineering-DICAMP, University of Trieste, Piazzale Europa 1, 34127 Trieste, Italy and ICS-UNIDO, Area Science Park, Padriciano 99, 34100 Trieste, Italy

We applied several molecular modeling protocols to the enzymatic hydrolysis of four β -carbomethoxy- γ -lactams in the presence of α -chymotrypsin to explain the substrate specificity and the enantioselectivity of the enzyme. The adopted procedures involved accurate docking experiments of both enantiomers of each lactam to the active site of the protein, followed by extensive conformational and energetic analysis of the computer-generated complexes. The results obtained fully account for the experimental evidences on the enantioselective hydrolysis of these interesting, potential drugs by α -chymotrypsin.

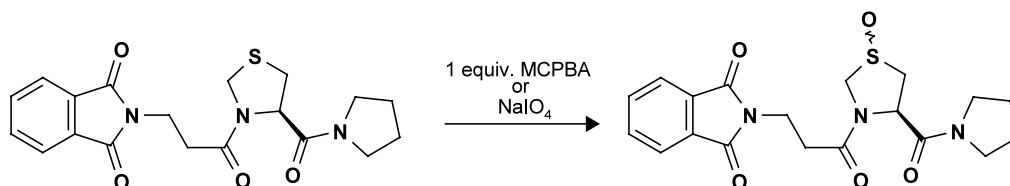
Stereoselective sulfoxide formation from a thioproline derivative

Tetrahedron: Asymmetry 13 (2002) 491

Károly Kánai, Benjamin Podányi,* Sándor Bokotey, Félix Hajdú and István Hermecz

Chinoin Pharmaceutical and Chemical Works Co. Ltd, H-1045 Budapest, Tó u. 1-5, Hungary

The stereochemical outcome in oxidation of a thioprolylpyrrolidine derivative is discussed.

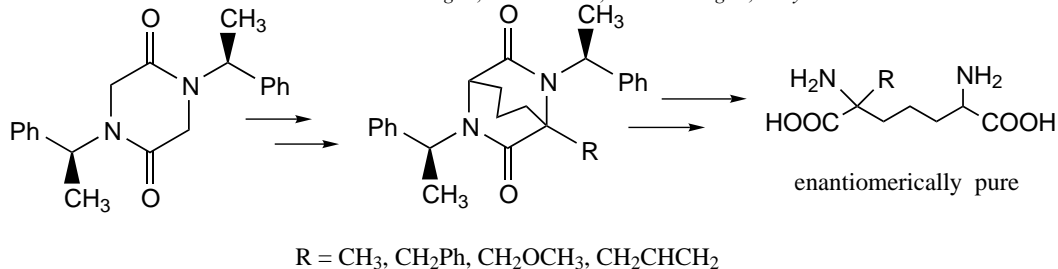


Enantioselective synthesis of 2,6-diaminopimelic acid derivatives. Part 3

Tetrahedron: Asymmetry 13 (2002) 497

Francesca Paradisi, Fabio Piccinelli, Gianni Porzi* and Sergio Sandri*

Dipartimento di Chimica 'G. Ciamician' Università di Bologna, Via Selmi 2, 40126 Bologna, Italy

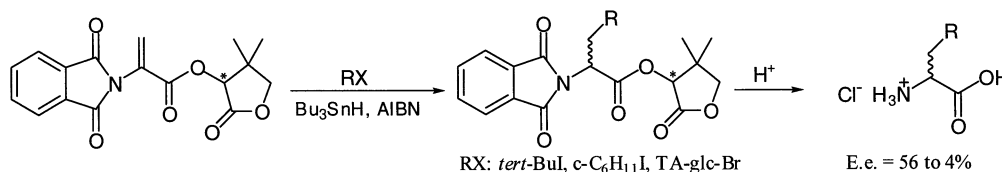


Diastereoselective radical addition to dehydroalanine derivatives of pantolactone

Tetrahedron: Asymmetry 13 (2002) 503

Anne-Marie Yim, Yves Vidal,* Philippe Viallefont and Jean Martinez

Laboratoire des Aminoacides, Peptides et Protéines, UMR-CNRS 5810, Universités Montpellier I et II, UM II, Place E. Bataillon, 34095 Montpellier cedex 5, France

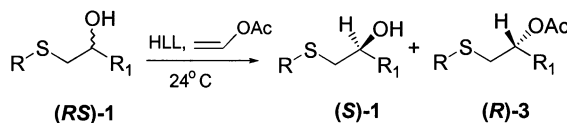


Kinetic resolution of heteroaryl β -hydroxy sulfides catalyzed by *Humicola lanuginosa* lipase

Tetrahedron: Asymmetry 13 (2002) 511

Swapandeep Singh Chimni,* Satwinder Singh, Subodh Kumar and Savita Mahajan

Department of Chemistry, Guru Nanak Dev University, Amritsar 143 005, India



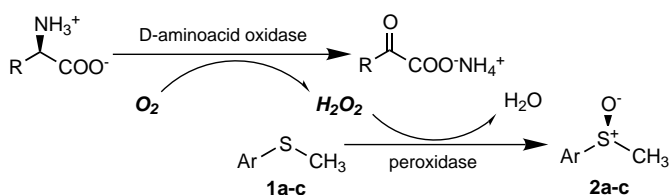
Enantioselective synthesis of sulfoxides catalysed by an oxidase-peroxidase bienzymatic system

Tetrahedron: Asymmetry 13 (2002) 519

Krzysztof Okrasa,^{a,b} Aude Falcimaigne,^b Eryka Guibé-Jampel^b and Michel Therisod^{b,*}

^aZTiBSL, Faculty of Chemistry, Warsaw University of Technology, Noakowskiego 3, 00-662 Warsaw, Poland

^bLab. Chimie Bioorganique et Bioinorganique, I. C. M. O.-Bat. 420, Université Paris-Sud, F-91405 Orsay cedex, France



Chemoenzymatic asymmetric total syntheses of a constituent of Jamaican rum and of (+)-Pestalotin using an enantioconvergent enzyme-triggered cascade reaction

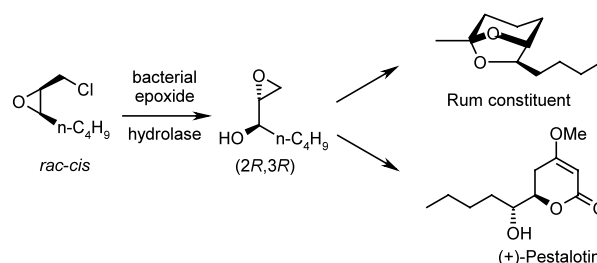
Tetrahedron: Asymmetry 13 (2002) 523

Sandra F. Mayer,^a Andreas Steinreiber,^a

Marian Goriup,^b Robert Saf^b and Kurt Faber^{a,*}

^aDepartment of Chemistry, Organic and Bioorganic Chemistry, University of Graz, Heinrichstrasse 28, A-8010 Graz, Austria

^bInstitute for Chemical Technology of Organic Materials, Graz University of Technology, Stremayrgasse 16, A-8010 Graz, Austria



**Asymmetric dihydroxylation of chiral styrene derivatives:
development of an analytical strategy for the determination
of the diastereomeric excess**

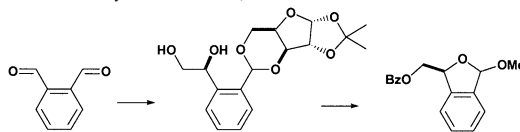
Tetrahedron: Asymmetry 13 (2002) 529

Serge Pilard,^a David Riboul,^b Virginie Glaçon,^a Nicolas Moitessier,^c Yves Chapleur,^c Denis Postel^a and
Christophe Len^{a,*}

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

^bLaboratoire de Génie Enzymatique et Cellulaire Reconnaissance Moléculaire et Catalyse, Université de Picardie-Jules Verne, F-80039 Amiens, France

^cGroupe SUCRES, UMR 7565 CNRS, F-54506 Nancy-Vandoeuvre, France

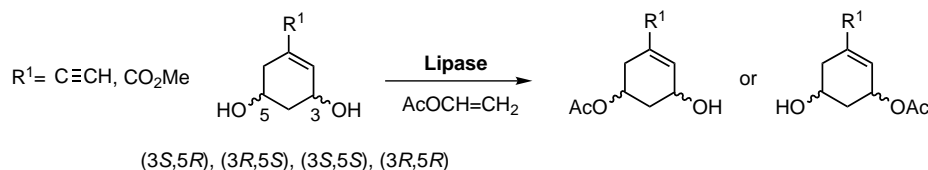


**Novel chiral precursors of 6-*s-cis* locked 1 α ,25-dihydroxyvitamin
D₃ analogues through selective enzymatic acylation**

Tetrahedron: Asymmetry 13 (2002) 539

Mónica Díaz, Miguel Ferrero, Susana Fernández and Vicente Gotor*

Departamento de Química Orgánica e Inorgánica, Facultad de Química, Universidad de Oviedo, 33071 Oviedo, Spain

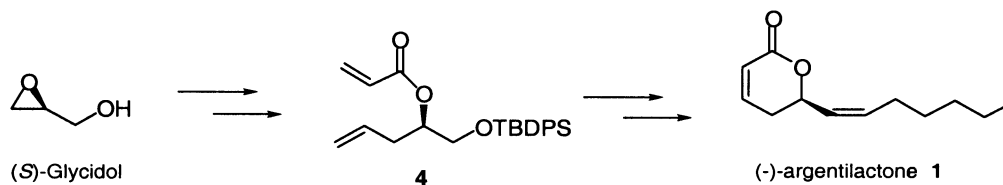


Synthesis of (*R*)-(-)-argentilactone

Tetrahedron: Asymmetry 13 (2002) 547

Trond Vidar Hansen*

School of Pharmacy, Department of Medicinal Chemistry, University of Oslo, PO Box 1185, N-0316 Blindern, Oslo, Norway



**Synthesis of bicyclo[3.2.2]nonadienones via enantioselective
cyclopropanation of racemic cyclohexen-3-yl diazoacetate**

Tetrahedron: Asymmetry 13 (2002) 551

Paul Müller,* Gérald Bernardinelli and Patrice Nury

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