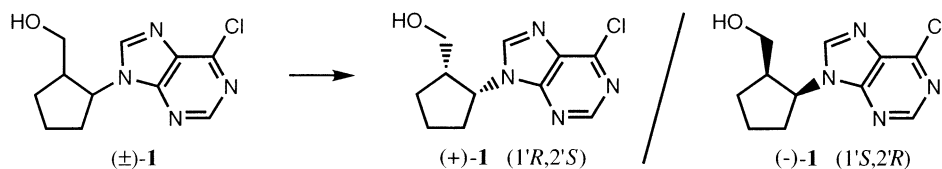
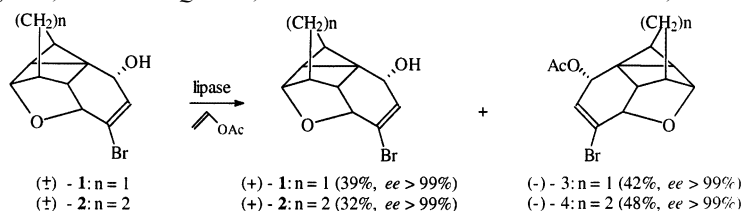


Resolution of racemic carbonucleosides and assignment of the absolute configuration by NMR*Tetrahedron: Asymmetry 12 (2001) 2637*

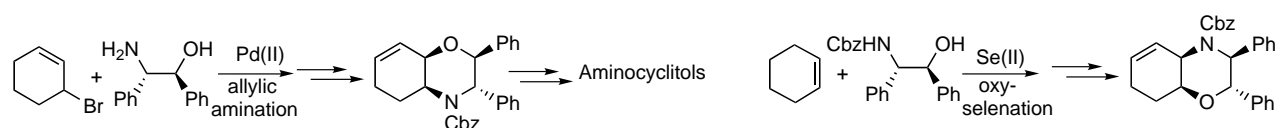
Elias Quezada, Lourdes Santana and Eugenio Uriarte*

Departamento de Química Orgánica, Facultad de Farmacia, Universidad de Santiago de Compostela, E-15782 Santiago de Compostela, Spain**Kinetic resolution of (\pm)-5-bromo-12-oxa-pentacyclo[6.2.1.1^{6,9}.0^{2,7}.0^{2,10}]dodeca-4-ene-3-endo-ol and (\pm)-5-bromo-13-oxa-pentacyclo[6.2.2.1^{6,9}.0^{2,7}.0^{2,10}]trideca-4-ene-3-endo-ol via *Pseudomonas*-mediated lipase-catalyzed transesterification***Tetrahedron: Asymmetry 12 (2001) 2641*

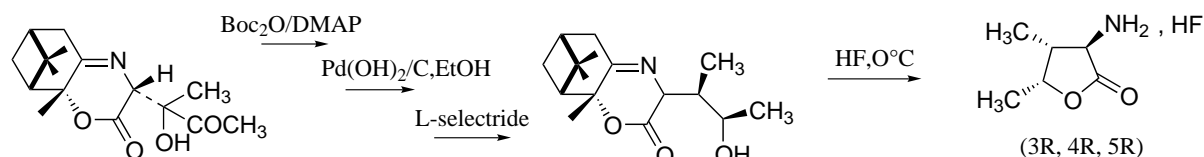
Fernando D. P. Morisso and Valentim E. U. Costa*

Departamento de Química Orgânica, Instituto de Química, Universidade Federal do Rio Grande do Sul, Av. Bento Gonçalves 9500, Porto Alegre 91501-970, RS, Brazil**Introduction of *cis*-vicinal amino alcohol functionality into the cyclohexane ring employing (1*S*,2*S*)-2-amino-1,2-diphenylethanol: synthesis of enantiopure aminocyclohexitols***Tetrahedron: Asymmetry 12 (2001) 2649*

Kwan Soo Kim,* Sung Ook Choi, Jong Myun Park, Yong Joo Lee and Jin Hwan Kim

Department of Chemistry, Yonsei University, Seoul 120-749, South Korea**Synthesis of enantiomerically pure (3*R*,4*R*,5*R*)-4-hydroxy isoleucine lactone***Tetrahedron: Asymmetry 12 (2001) 2657*

Tarek Kassem, Jonhy Wehbe, Valérie Rolland-Fulcrand, Marc Rolland, Marie-Louise Roumestant* and Jean Martinez

Laboratoire d'Aminoacides, Peptides et Protéines, Université Montpellier I et II, Place E. Bataillon, F-34095 Montpellier Cedex 5, France

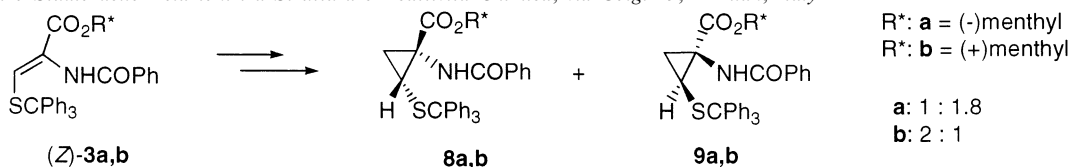
Masked constrained cysteines: diastereoselective and enantioselective synthesis of 1-amino-2-mercaptocyclopropanecarboxylic acid derivatives

Tetrahedron: Asymmetry 12 (2001) 2663

Francesca Clerici,^a Maria Luisa Gelmi,^{a,*} Donato Pocar^a and Tullio Pilati^b

^a*Istituto di Chimica Organica, Facoltà di Farmacia e Centro Interuniversitario di Ricerca sulle Reazioni Pericicliche e Sintesi di Sistemi Etero e Carbociclici, Università di Milan, Via Venezian 21, I-20133 Milan, Italy*

^b*CNR Centro Studio delle Relazioni tra Struttura e Reattività Chimica, via Golgi 19, I Milan, Italy*

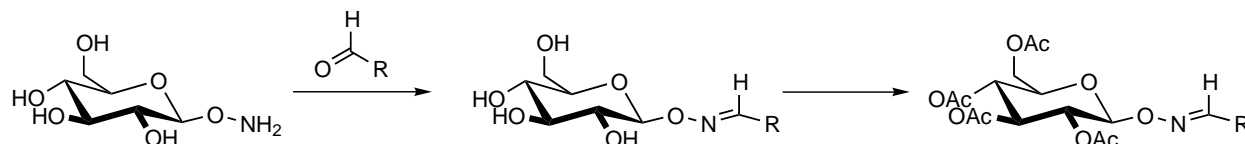


Enantioselective catalysis. Part 142: Carbohydrate-derived oxime ethers from functionalised aldehydes and O-β-D-glucopyranosyl-hydroxylamine—new C=N ligands stable towards hydrolysis

Tetrahedron: Asymmetry 12 (2001) 2671

Henri Brunner,^{*} Maximilian Schönherr and Manfred Zabel

Institut für Anorganische Chemie, Universität Regensburg, D-93040 Regensburg, Germany

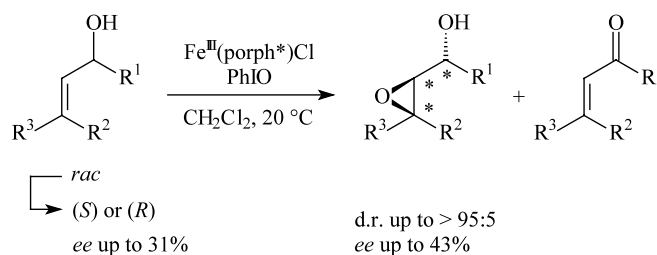


Oxidation of aryl-substituted allylic alcohols by an optically active Fe(III)(porph*) catalyst: enantioselectivity, diastereoselectivity and chemoselectivity in the epoxide versus enone formation

Tetrahedron: Asymmetry 12 (2001) 2677

Waldemar Adam, Serguei Prikhodovski, Konrad J. Roschmann^{*} and Chantu R. Saha-Möller

Institut für Organische Chemie, Universität Würzburg, Am Hubland, D-97074 Würzburg, Germany



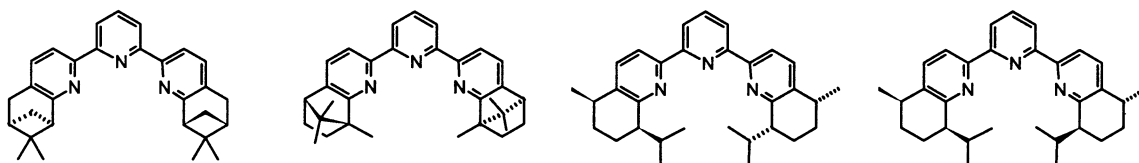
New chiral 2,2':6',2''-terpyridine ligands from the chiral pool: synthesis, crystal structure of a rhodium complex and uses in copper- and rhodium-catalyzed enantioselective cyclopropanation of styrene

Tetrahedron: Asymmetry 12 (2001) 2683

Hoi-Lun Kwong,^{a,*} Wing-Leung Wong,^a Wing-Sze Lee,^a Leung-Shi Cheng^a and Wing-Tak Wong^b

^a*Department of Biology and Chemistry, City University of Hong Kong, Tat Chee Avenue, Kowloon, Hong Kong SAR, China*

^b*Department of Chemistry, The University of Hong Kong, Pokfulam Road, Hong Kong SAR, China*



Preparation of the enantiomers of hydroxy-C18 fatty acids and their anti-rice blast fungus activities

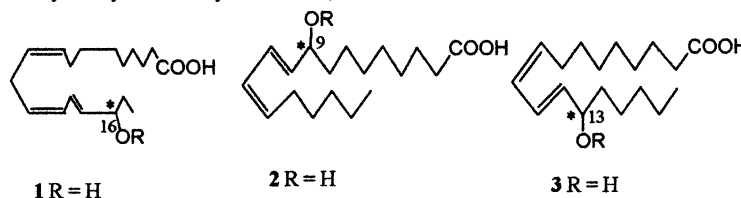
Tetrahedron: Asymmetry 12 (2001) 2695

Tadahiro Kato,^{a,*} Toshio Nakai,^a Rumiko Ishikawa,^a Aya Karasawa^a and Tsuneo Namai^b

^aDepartment of Chemistry, Faculty of Science, Science University of Tokyo, Kagurazaka 1-3, Shinjyuku ku, Tokyo 162, Japan

^bDepartment of Agriculture, Yamagata University, Tsuruoka, Yamagata 997, Japan

Preparation of enantiomers of hydroxy-C18 fatty acids **1–3**, all of which show almost the same anti-rice blast fungus activity.



A chiral 1,4-oxazin-2-one: asymmetric synthesis versus resolution, structure, conformation and VCD absolute configuration

Tetrahedron: Asymmetry 12 (2001) 2703

A. Solladié-Cavallo,^{a,*} O. Sedy,^{a,b} M. Salisova,^b M. Biba,^c C. J. Welch,^c L. Nafie^d and T. Freedman^d

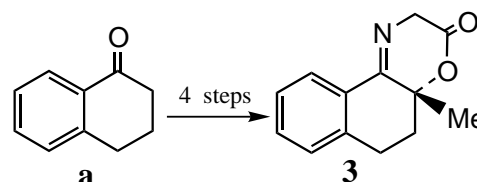
^aECPM/Université Louis Pasteur, 67087 Strasbourg, France

^bDepartment of Organic Chemistry, Comenius University, 842 15 Bratislava, Slovakia

^cMerck & Co., Inc., Rahway, NJ 07065, USA

^dDepartment of Chemistry, Syracuse University, Syracuse, New York, NY 13244-4100, USA

3, 78% overall yield, resolution using supercritical fluid method: 45% yield of (–)-**3**, e.r. = 99.5/0.5 and 45% yield of (+)-**3**, e.r. = 99.9/0.1. (+)-**3** = *R* configuration (VCD method) [asymmetric synthesis gives (+)-**3** with e.r. = 91/9 only].

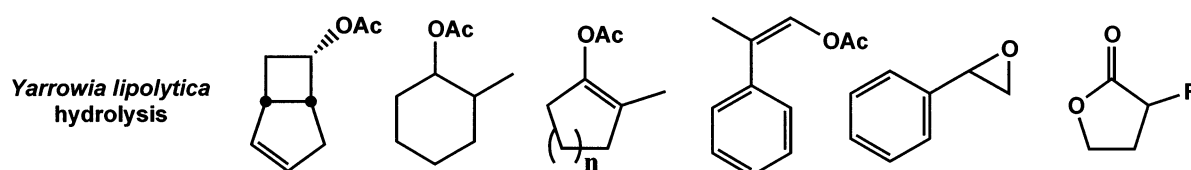


Enantioselective hydrolyses with *Yarrowia lipolytica*: a versatile strain for esters, enol esters, epoxides, and lactones

Tetrahedron: Asymmetry 12 (2001) 2709

Giancarlo Fantin, Marco Fogagnolo, Alessandra Guerrini, Alessandro Medici,* Paola Pedrini and Silvia Fontana

Dipartimento di Chimica, Università di Ferrara, Via L. Borsari 46, I-44100 Ferrara, Italy



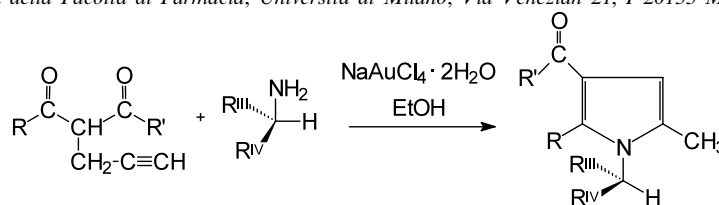
Conversion of homochiral amines and α -amino esters to their chiral 1,2,3,5-substituted pyrrole derivatives via gold-catalysed amination/annulation reactions of 2-propynyl-1,3-dicarbonyl compounds

Tetrahedron: Asymmetry 12 (2001) 2715

Antonio Arcadi,^{a,*} Sabrina Di Giuseppe,^a Fabio Marinelli^a and Elisabetta Rossi^b

^aDipartimento di Chimica Ingegneria Chimica e Materiali della Facoltà di Scienze, Università de L'Aquila, Via Vetoio, Coppito Due, I-67100 L'Aquila, Italy

^bIstituto di Chimica Organica della Facoltà di Farmacia, Università di Milano, Via Venezian 21, I-20133 Milano, Italy



Spontaneous resolution of chiral cobalt(III) complexes

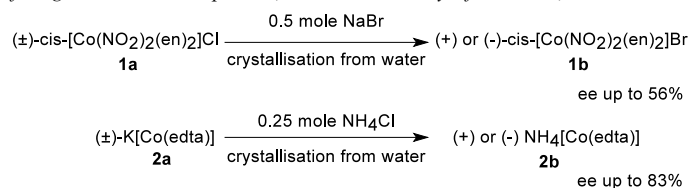
Tetrahedron: Asymmetry 12 (2001) 2721

Remir G. Kostyanovsky,^{a,*} Vladimir Yu. Torbeev^b and Konstantin A. Lyssenko^c

^a*N.N. Semenov Institute of Chemical Physics, Russian Academy of Sciences, 117977 Moscow, Russia*

^b*Higher Chemical College, Russian Academy of Sciences, 125047 Moscow, Russia*

^c*A.N. Nesmeyanov Institute of Organoelement Compounds, Russian Academy of Sciences, 117813 Moscow, Russia*



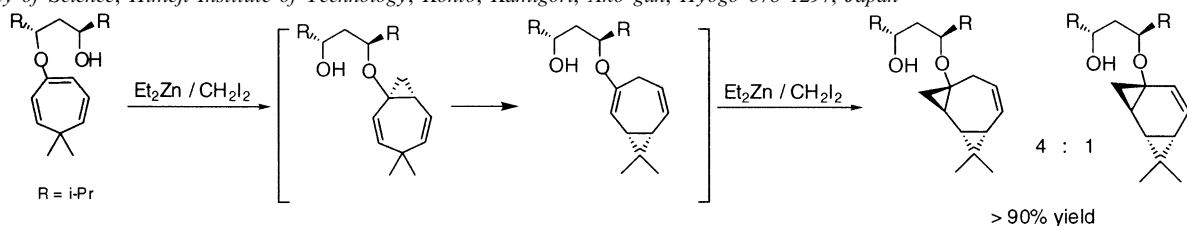
Application of modified hydroxyl-directed diastereodifferentiating Simmons–Smith reaction to an unreactive conjugated triene.

Tetrahedron: Asymmetry 12 (2001) 2727

Stereocontrolled tandem cyclopropanation–Cope rearrangement–cyclopropanation

Takahiro Tei, Takashi Sugimura,* Toshifumi Katagiri, Akira Tai and Tadashi Okuyama

Faculty of Science, Himeji Institute of Technology, Kohto, Kamigori, Ako-gun, Hyogo 678-1297, Japan

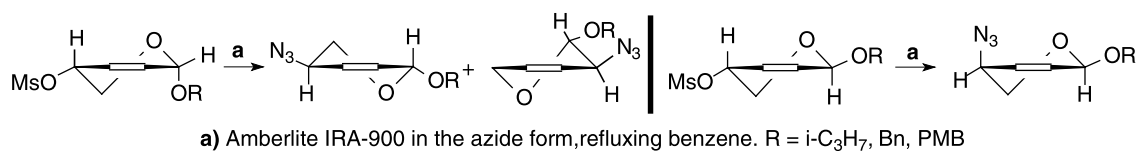


Steric constraints against [3,3]-sigmatropic rearrangement of allylic azides. A convenient approach to β -L-4-aminopent-2-enoglyceropyranosides

Tetrahedron: Asymmetry 12 (2001) 2731

Cristiana Fava, Roberta Galeazzi, Giovanna Mobbili and Mario Orena*

Dipartimento di Scienze dei Materiali e della Terra, Università di Ancona, Via Breccie Bianche, I-60131 Ancona, Italy

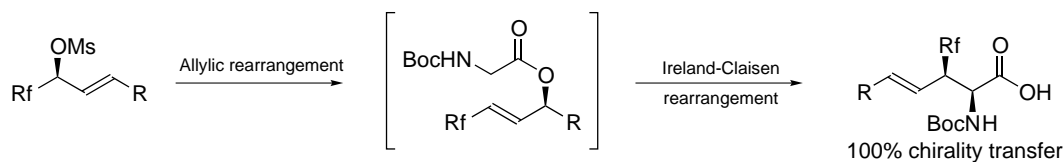


A novel and expedient synthesis of optically active fluoroalkylated amino acids via palladium-catalyzed allylic rearrangement and Ireland–Claisen rearrangement

Tetrahedron: Asymmetry 12 (2001) 2743

Tsutomu Konno,* Takeshi Daitoh, Takashi Ishihara and Hiroki Yamanaka

Department of Chemistry and Materials Technology, Kyoto Institute of Technology, Matsugasaki, Sakyo-ku, Kyoto 606-8585, Japan

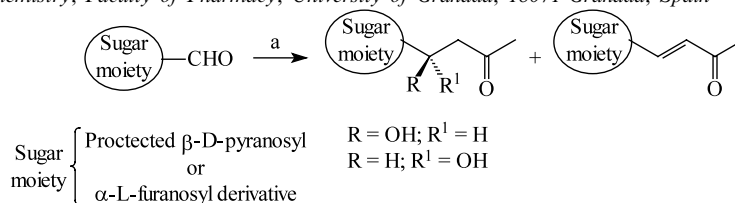


Highly stereocontrolled alkylation of protected 'diacetone hexulose aldehydes'

Tetrahedron: Asymmetry 12 (2001) 2749

Isidoro Izquierdo,* María T. Plaza, Rafael Robles, Antonio J. Mota and Francisco Franco

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



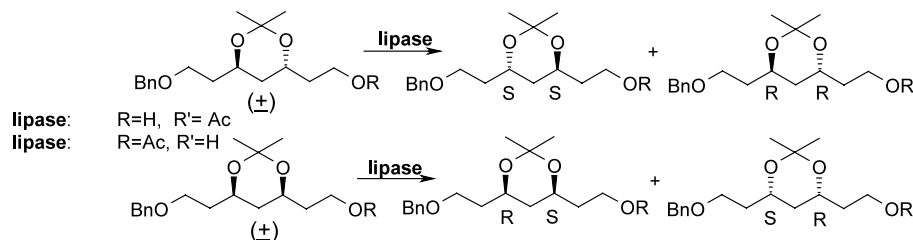
a) Aldol condensation, Knoevenagel, Reformatsky, etc.

Preparation of chiral 1,3 skipped *anti*- and *syn*-tetrols via highly enantioselective biocatalytic resolution

Tetrahedron: Asymmetry 12 (2001) 2755

Carlo Bonini,* Lucia Chiummiento and Maria Funicello

Dipartimento di Chimica, Università della Basilicata, Via N. Sauro 85, 85100 Potenza, Italy

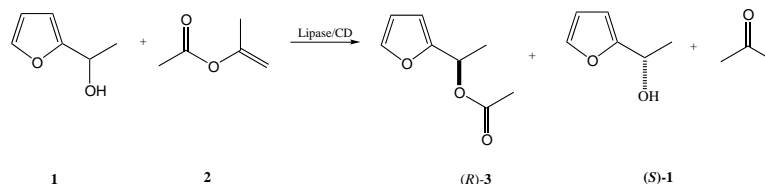


Peracetylated β -cyclodextrin as additive in enzymatic reactions: enhanced reaction rate and enantiomeric ratio in lipase-catalyzed transesterifications in organic solvents

Tetrahedron: Asymmetry 12 (2001) 2761

Ashraf Ghanem and Volker Schurig*

Institute of Organic Chemistry, University of Tübingen, Auf der Morgenstelle 18, D-72076 Tübingen, Germany

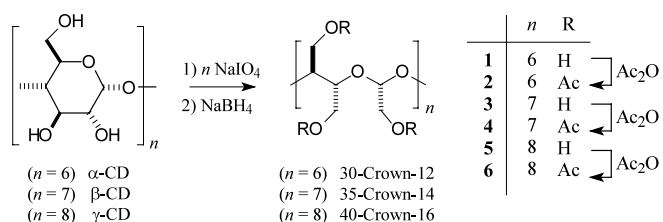


Hydroxymethyl-substituted crown acetals with 35-C-14 and 40-C-16 skeletal backbones: synthesis and molecular geometries

Tetrahedron: Asymmetry 12 (2001) 2767

Stefan Immel,* Frieder W. Lichtenhaler, Hans J. Lindner and Toshio Nakagawa

Institut für Organische Chemie, Technische Universität Darmstadt, D-64287 Darmstadt, Germany



solid-state structures:

