Unexpected retro-Michael reaction of (−)-(1′*S*,4a*S*,8a*R*)- and (+)-(1′*S*,4a*R*,8a*S*)-4a-ethyl-1-(1-phenylethyl)octahydroquinolin-7-ones

Tetrahedron: Asymmetry *12 (2001) 3209*

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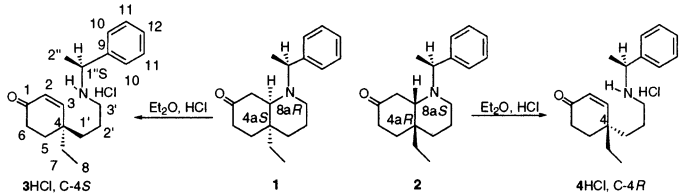
[a]*Centro de Química del Instituto de Ciencias, BUAP, 14 Sur 6303, C.P. 72570, Ciudad Universitaria Puebla, Pue, Mexico*
[b]*Instituto de Química, UNAM, Ciudad Universitaria México, D.F., Mexico*

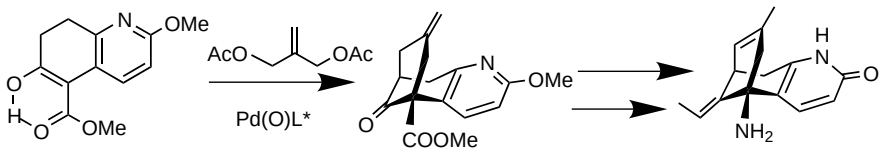


Studies on the asymmetric synthesis of huperzine A. Part 2: Highly enantioselective palladium-catalyzed bicycloannulation of the β-keto-ester using new chiral ferrocenylphosphine ligands

Tetrahedron: Asymmetry *12 (2001) 3213*

Xu-Chang He, Bin Wang, Gengli Yu and Donglu Bai*

Shanghai Institute of Materia Medica, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, 294 Tai-Yuan Road, Shanghai 200031, China

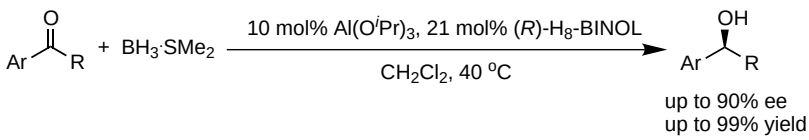


Enantioselective borane reduction of aromatic ketones using chiral BINOL derivatives as ligands in an aluminum catalyst

Tetrahedron: Asymmetry *12 (2001) 3217*

Yang-Miin Lin, I-Pin Fu and Biing-Jiun Uang*

Department of Chemistry, National Tsing Hua University, Hsinchu, Taiwan 300, ROC



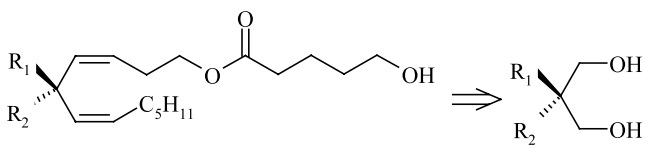
up to 90% ee
up to 99% yield

Novel chiral lipoxygenase substrates: design and synthesis. Part 2

Tetrahedron: Asymmetry *12 (2001) 3223*

J. S. Yadav* and S. Nanda

Organic Division, Indian Institute of Chemical Technology, Hyderabad 500007, India



R_1 = alkyl, aryl, hydroxy; R" = H
R_2 = H, R" = alkyl, aryl, hydroxy

A scalable synthesis of (*R*)-3-(2-aminopropyl)-7-benzyloxyindole via resolution

Tetrahedron: Asymmetry *12 (2001) 3235*

Akihito Fujii,[a] Yoshito Fujima,[b] Hiroshi Harada,[a] Masaya Ikunaka,[b,*] Toru Inoue,[b] Shiro Kato[a] and Keisuke Matsuyama[b]

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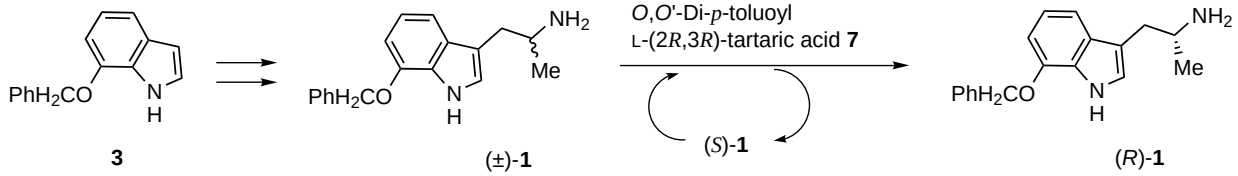
[b]*The 1st Laboratories, Research & Development Center, Nagase & Co., Ltd., 2-2-3 Murotani, Nishi-ku, Kobe 651-2241, Japan*



A chemoenzymatic approach to the synthesis of enantiomerically pure aza analogues of paraconic acid methyl ester and both enantiomers of methyl β-proline

Tetrahedron: Asymmetry *12 (2001) 3241*

Fulvia Felluga,[a] Giuliana Pitacco,[a] Massimo Prodan,[a] Sabrina Pricl,[b] Marco Visintin[a] and Ennio Valentin[a,*]

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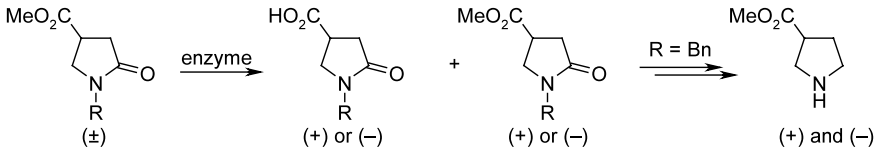
[b]*Dipartimento di Ingegneria Chimica dell'Ambiente e delle Materie Prime, P.le Europa 1, 34127 Trieste, Italy*



R = H, Et, *i*-Pr, *n*-Bu, $(CH_2)_2OH$, Bn

An efficient chemoenzymatic approach to enantiomerically pure 4-[2-(difluoromethoxy)phenyl] substituted 1,4-dihydropyridine-3,5-dicarboxylates

Tetrahedron: Asymmetry *12 (2001) 3251*

Arkadij Sobolev,[a,b] Maurice C. R. Franssen,[a,*] Brigita Vigante,[b] Brigita Cekavicus,[b] Natalija Makarova,[b] Gunars Duburs[b] and Aede de Groot[a]

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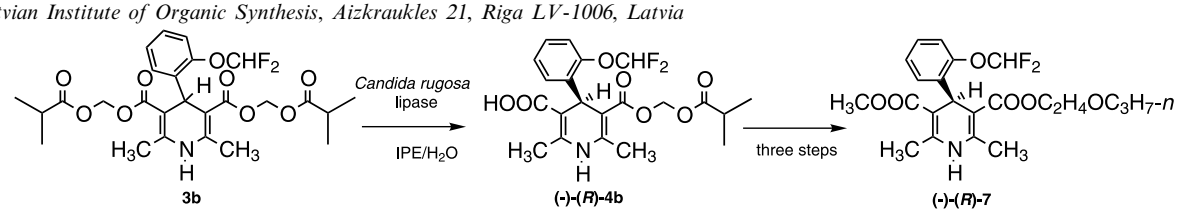
[b]*Latvian Institute of Organic Synthesis, Aizkraukles 21, Riga LV-1006, Latvia*

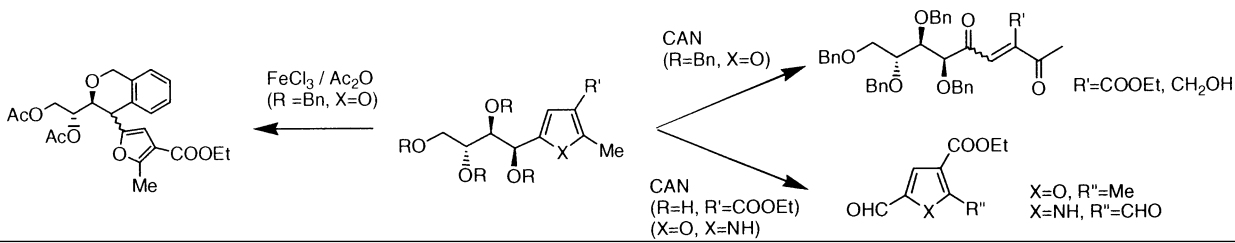


Reactivity of polyhydroxyalkyl-heterocycles towards Lewis acids

Tetrahedron: Asymmetry *12 (2001) 3257*

A. J. Moreno-Vargas, J. G. Fernández-Bolaños, J. Fuentes and I. Robina*

Departamento de Química Orgánica, Facultad de Química, Universidad de Sevilla, Apartado 553, E-41071 Sevilla, Spain

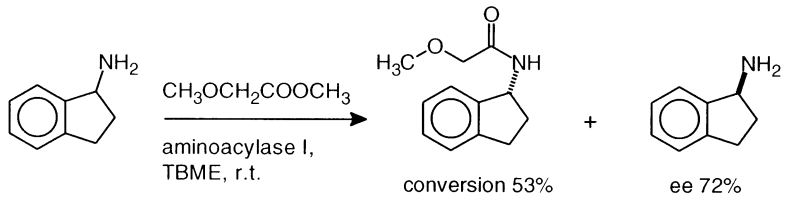


Tetrahedron: Asymmetry *12 (2001) 3267*

Enantioselective acylation of chiral amines catalysed by aminoacylase I

Maxim I. Youshko, Fred van Rantwijk and Roger A. Sheldon*

Laboratory of Biocatalysis and Organic Chemistry, Delft University of Technology, Julianalaan 136, 2628 BL Delft, The Netherlands



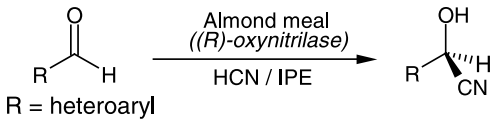
Tetrahedron: Asymmetry *12 (2001) 3273*

A study of asymmetric hydrocyanation of heteroaryl carboxaldehydes catalyzed by (*R*)-oxynitrilase under micro-aqueous conditions

Peiran Chen, Shiqing Han, Guoqiang Lin,* Hao Huang and Zuyi Li

Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Road, Shanghai 200032, China

A number of new optically active heteroaryl cyanohydrins have been prepared under the catalysis of almond meal (containing (*R*)-oxynitrilase) under micro-aqueous conditions.



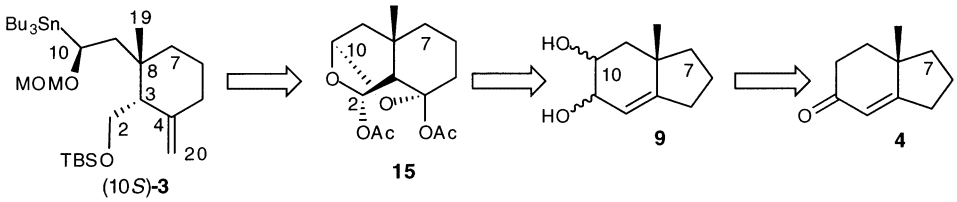
Tetrahedron: Asymmetry *12 (2001) 3281*

A practical access into conveniently functionalized, homochiral C-ring system of taxuyunnanine C

José I. Candela Lena, Maria del R. Rico Ferreira, José I. Martín Hernando and Siméon Arseniyadis*

Institut de Chimie des Substances Naturelles, CNRS, F-91198 Gif-sur-Yvette, France

A heavily substituted, homochiral cyclohexane derivative **3** to be used as a precursor to the C-ring moiety for the 7-nor taxoid is presented.

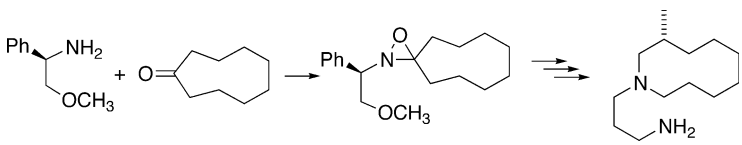


Tetrahedron: Asymmetry *12 (2001) 3293*

Asymmetric synthesis of isohaliclorensin, a key intermediate of bisquinolinylpyrrole alkaloid halitulin

Yoshinosuke Usuki,* Hiroyuki Hirakawa, Kimihiko Goto and Hideo Iio

Department of Material Science, Graduate School of Science, Osaka City University, Sugimoto, Sumiyoshi-ku, Osaka 558-8585, Japan



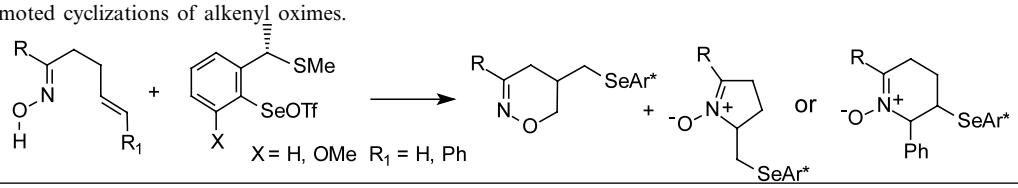
Efficient asymmetric selenocyclizations of alkenyl oximes into cyclic nitrones and 1,2-oxazines promoted by sulfur containing diselenides

Tetrahedron: Asymmetry *12 (2001) 3297*

Marcello Tiecco,* Lorenzo Testaferri, Luana Bagnoli, Valentina Purgatorio, Andrea Temperini, Francesca Marini and Claudio Santi

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

1,2-Oxazine and/or five- or six-membered cyclic nitrones are obtained with high chemical yield and good diastereoselectivity from the selenium-promoted cyclizations of alkenyl oximes.

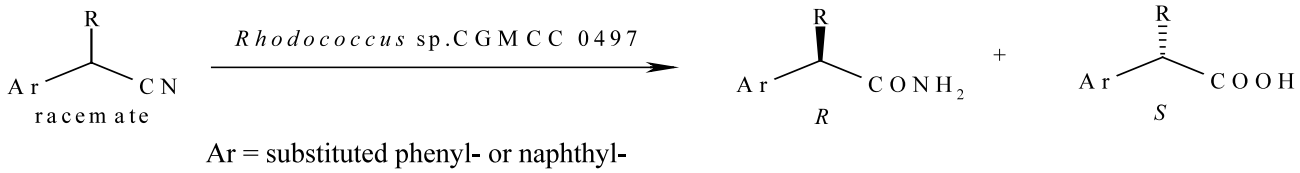


Enantioselective hydrolysis of various racemic α-substituted arylacetonitriles using *Rhodococcus* sp. CGMCC 0497

Tetrahedron: Asymmetry *12 (2001) 3305*

Zhong-Liu Wu and Zu-Yi Li*

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



Desymmetrization of 2,2′,6,6′-tetramethoxybiphenyl by regioselective sulfenylation reaction

Tetrahedron: Asymmetry *12 (2001) 3313*

Giovanna Delogu,[a,*] Davide Fabbri,[a] Maria Antonietta Dettori,[a] Giuseppe Capozzi,[b] Stefano Menichetti[c,*] and Cristina Nativi[b]

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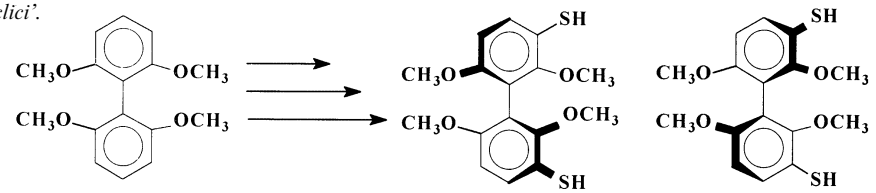
[b]*Centro CNR 'Chimica dei Composti Eterociclici'. Dipartimento di Chimica Organica, Universita' di Firenze, via G. Capponi 9, I-50121 Firenze, Italy*

[c]*Dipartimento di Chimica Organica e Biologica, Università di Messina, salita Sperone 31, I-98166, Messina Italy*

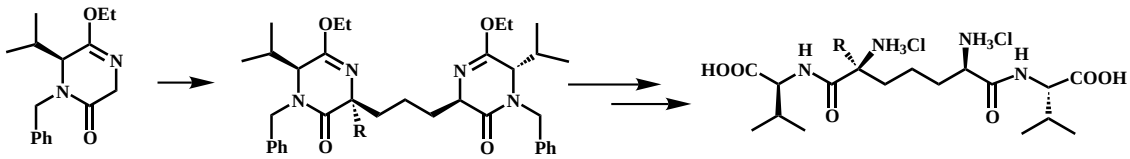


A new stereocontrolled synthesis of uncommon tripeptides derived from 2,6-diaminopimelic acid (2,6-DAP)

Tetrahedron: Asymmetry *12 (2001) 3319*

Francesca Paradisi,* Gianni Porzi and Sergio Sandri*

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



R=H, CH_2CHCH_2, $CH_2CO_2CH_2Ph$, CH_2Cl, CH_3, CH_2Ph