Planar chiral 2-ferrocenyloxazolines and 1,1′-bis(oxazolinyl)-ferrocenes—syntheses and applications in asymmetric catalysis

Tetrahedron: Asymmetry *14 (2003) 2297*

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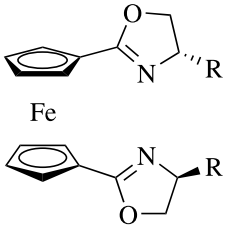
This report reviews the literature for the period 1994–2002, inclusive, on the synthesis and reactivity of planar chiral 2-ferrocenyloxazolines and 1,1′-bis(oxazolinyl)ferrocenes.



Homochiral (1*S*,2*R*)-1,2-indandiol from asymmetric reduction of 1,2-indanedione by resting cells of the yeast *Trichosporon cutaneum*

Tetrahedron: Asymmetry *14 (2003) 2327*

Gelson J. Andrade Conceição, Paulo J. S. Moran and J. Augusto R. Rodrigues*

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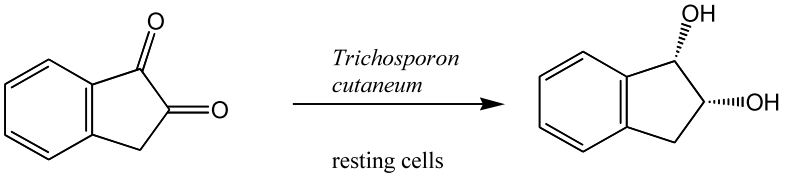


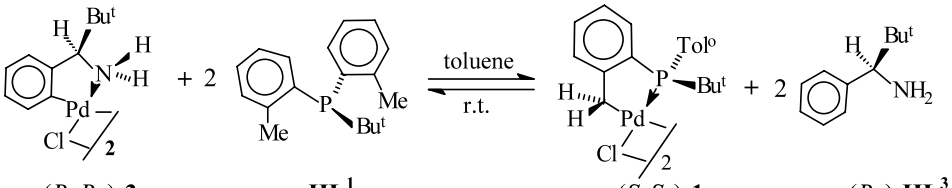
5 (1*S*,2*R*)-**1** 70-75% yield >99% ee

Asymmetric exchange of cyclopalladated ligands with a high level of asymmetric induction: a new route to optically active phosphapalladacycles

Tetrahedron: Asymmetry *14 (2003) 2331*

Valery V. Dunina,* Elena D. Razmyslova, Ol'ga N. Gorunova, Michail V. Livantsov and Yuri K. Grishin

Department of Chemistry, M.V. Lomonosov Moscow State University, Lenin Hills, 119992, V-234, Moscow, Russia



(R_CR_C)-**3** **HL**[1] (S_PS_P)-**1** (R_C)-**HL**[3]

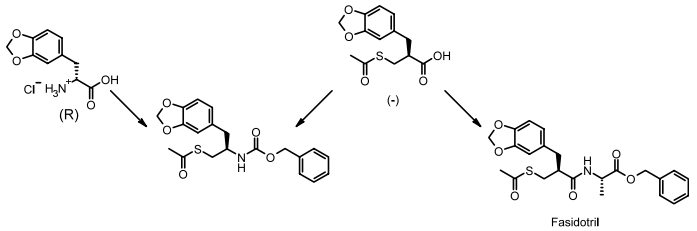
up to 91 % *ee* (^{31}P NMR data)

Determination of the absolute configuration of Fasidotril, a potent dual ACE/NEP inhibitor

Tetrahedron: Asymmetry *14 (2003) 2335*

V. Grosset, D. Danvy and M. Capet*

Bioprojet-Biotech, 4 rue du Chesnay Beauregard, BP95206, 35762 Saint Grégoire Cedex, France

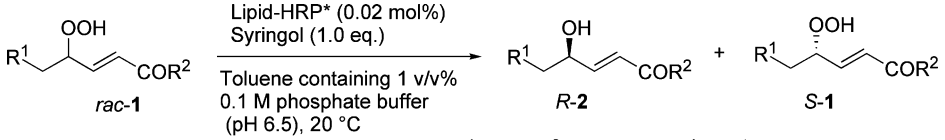


Tetrahedron: Asymmetry *14 (2003) 2339*

Enantioselective reduction of γ-hydroperoxy-α,β-unsaturated carbonyl compounds catalyzed by lipid-coated peroxidase in organic solvents

Hidetaka Nagatomo, Yoh-ichi Matsushita,* Kazuhiro Sugamoto and Takanao Matsui

Faculty of Engineering, Miyazaki University, Gakuen-Kibanadai-Nishi, Miyazaki 889-2155, Japan



Tetrahedron: Asymmetry *14 (2003) 2351*

Evaluation of guanabana (*Annona muricata*) seed meal as a source of (*S*)-oxynitrilase

Aida Solís,* Héctor Luna, Herminia I. Pérez and Norberto Manjarrez

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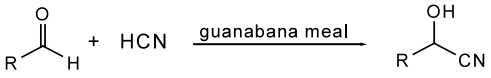


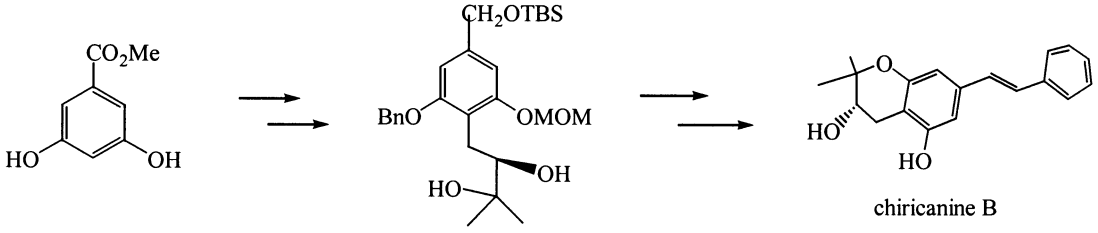
R = 2-furyl, phenyl, 4-bromophenyl, 4-chlorophenyl, 2-phenylethenyl, isobutyl, isopropyl

Tetrahedron: Asymmetry *14 (2003) 2355*

Enantioselective total synthesis of chiricanine B

Ying Li,* Yang Hu, Zhixiang Xie and Xuesong Chen

State Key Laboratory of Applied Organic Chemistry and Institute of Organic Chemistry, Lanzhou University, Lanzhou 730000, PR China



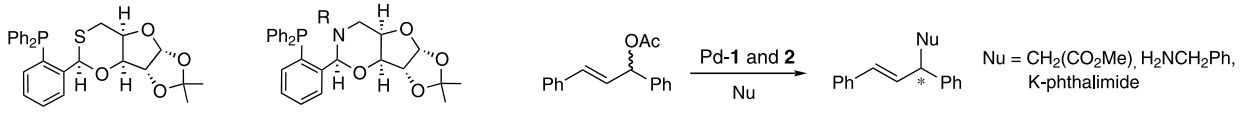
chiricanine B

Tetrahedron: Asymmetry *14 (2003) 2361*

Novel chiral xylofuranose-based phosphinooxathiane and phosphinooxazinane ligands for palladium-catalyzed asymmetric allylations

Hiroto Nakano,* Jun-ichi Yokoyama, Yuko Okuyama, Reiko Fujita and Hiroshi Hongo

Tohoku Pharmaceutical University, 4-4-1 Komatsushima, Aoba-ku, Sendai 981-8558, Japan



Tetrahedron: Asymmetry *14 (2003) 2369*

Phenylalanine derivatives as catalysts in the enantioselective addition of diethylzinc to benzaldehydes

Ruxandra D. Ionescu,[a,*] Anna Blom[b] and Torbjörn Frejd[b]

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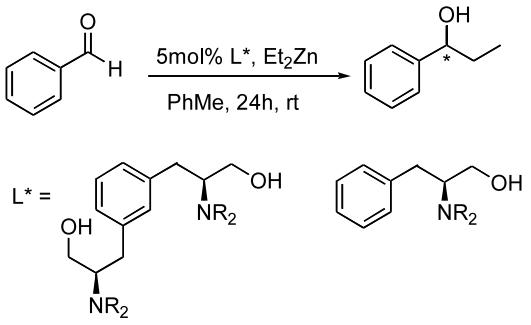
[b]*Department of Organic and Bioorganic Chemistry, Lund University, PO Box 124, 221 00 Lund, Sweden*

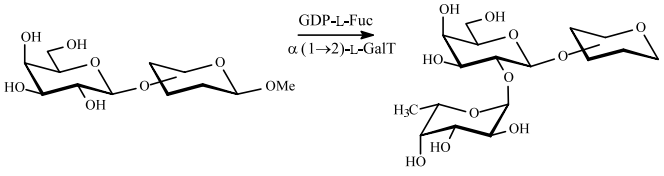


Tetrahedron: Asymmetry *14 (2003) 2381*

Enzymatic α(1→2)-L-fucosylation: investigation of the specificity of the α(1→2)-L-galactosyltransferase from *Helix pomatia*

Angela Michelle Scheppokat,[a] Minoru Morita,[a] Joachim Thiem[a,*] and Hagen Bretting[b]

[a]*Institut für Organische Chemie, Universität Hamburg, Martin-Luther-King-Platz 6, 21073 Hamburg, Germany*
[b]*Zoologisches Institut, Universität Hamburg, Martin-Luther-King-Platz 3, 21073 Hamburg, Germany*

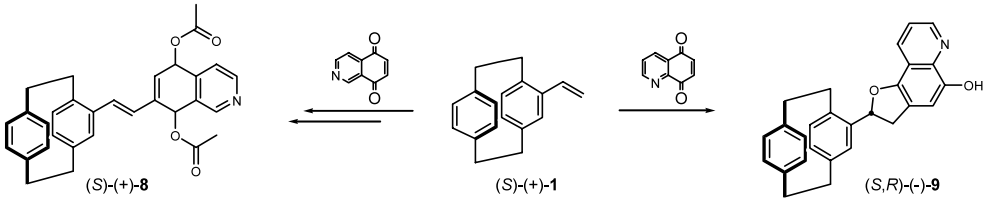


Tetrahedron: Asymmetry *14 (2003) 2387*

Reactions of (*S*)-(+)-4-ethenyl[2.2]paracyclophane with heterocyclic quinones

Lucio Minuti,[a,*] Aldo Taticchi,[a,*] Daniela Lanari,[a] Assunta Marrocchi[a] and Eszter Gacs-Baitz[b]

[a]*Dipartimento di Chimera, Universitá degli Studi di Perugia, via Elce di Sotto 8, 06123 Perugia, Italy*
[b]*Central Institute for Chemistry, Hungarian Academy of Sciences, PO Box 17, 1525 Budapest, Hungary*



Tetrahedron: Asymmetry *14 (2003) 2393*

Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 3: Oxidative ring cleavage of 3-hydroxyethyl-1,2-cyclopentanediones: synthesis of α-hydroxy-γ-lactone acids and spiro-γ-dilactones

Anne Paju,[a] Tõnis Kanger,[a] Olivia Niitsoo,[a] Tõnis Pehk,[b] Aleksander-Mati Müürisepp[a] and Margus Lopp[a,*]

[a]*Department of Chemistry, Tallinn Technical University, Ehitajate tee 5, Tallinn 19086, Estonia*
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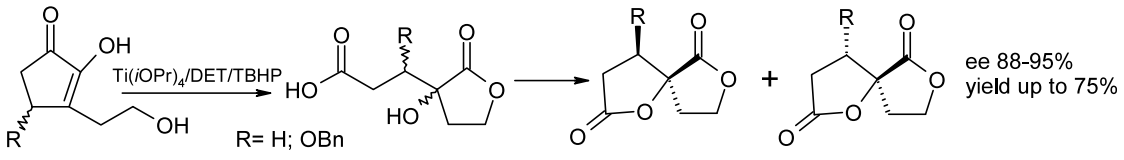
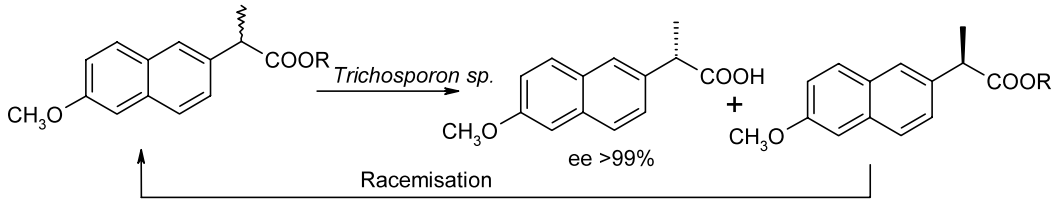


Enzymatic resolution of naproxen

Tetrahedron: Asymmetry *14 (2003) 2459*

Surrinder Koul, Rajinder Parshad, Subhash C. Taneja* and Ghulam N. Qazi

Biotechnology Division, Regional Research Laboratory, Canal Road, Jammu-Tawi 180001, India



Stereoselective oxazaborolidine–borane reduction of biphenyl alkyl diketones–lignin models: enantiopure dehydrodiapocynol derivatives

Tetrahedron: Asymmetry *14 (2003) 2467*

Giovanna Delogu,[a,*] Maria Antonietta Dettori,[a] Angela Patti,[b,*] Sonia Pedotti,[b] Alessandra Forni[c] and Gianluigi Casalone[c]

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[b]*Istituto di Chimica Biomolecolare del CNR–Sez. di Catania, Via del Santuario 110, I-95028 Valverde CT, Italy*
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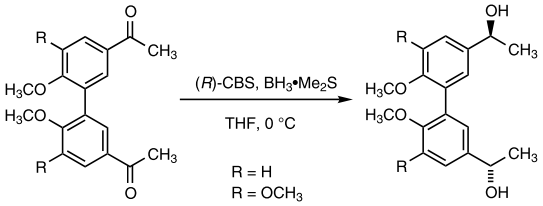


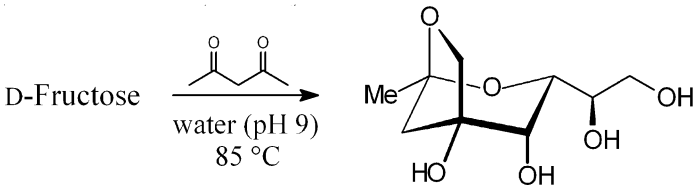
Asymmetric reduction of two conformationally flexible biphenyl alkyl diketones was successfully carried out using (*R*)-CBS-borane system to give the corresponding enantiopure diols with high diastereomeric ratio. Absolute configuration of the obtained diols was assigned as (*S*,*S*) by crystallographic analysis

A 2-*C*-fructosyl-propanone locked in a 2,7-dioxabicyclo[3.2.1]-octane framework

Tetrahedron: Asymmetry *14 (2003) 2475*

Siegfried Peters, Frieder W. Lichtenthaler* and Hans J. Lindner

Clemens-Schöpf-Institut für Organische Chemie und Biochemie, Technische Universität Darmstadt, Petersenstraße 22, D-64287 Darmstadt, Germany



Dendritic catalysts for asymmetric transfer hydrogenation based (1*S*,2*R*)-norephedrine derived ligands

Tetrahedron: Asymmetry *14 (2003) 2481*

Pei Nian Liu,[a] Ying Chun Chen,[b] Xue Qiang Li,[a] Yong Qiang Tu[a,*] and Jin Gen Deng[b,*]

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[b]*Union Laboratory of Asymmetric Synthesis, Chendu Institute of Organic Chemistry, the Chinese Academy of Science, Chengdu 610041, PR China*