Enantioselective reductions by chirally modified alumino- and borohydrides

Tetrahedron: Asymmetry *12 (2001) 2225*

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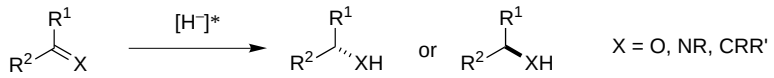

Carbohydrates as chiral controllers: synthesis of dihydrothieno-[2,3-*c*]furanones

Tetrahedron: Asymmetry *12 (2001) 2261*

Martín Avalos,[a] Reyes Babiano,[a] Pedro Cintas,[a] Fernando R. Clemente,[a] Ruth Gordillo,[a] Michael B. Hursthouse,[b] José L. Jiménez,[a,*] Mark E. Light[b] and Juan C. Palacios[a]

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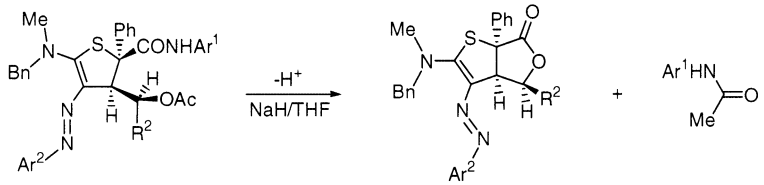

A cycloaddition strategy for the synthesis of thiirane-containing glycomimetics

Tetrahedron: Asymmetry *12 (2001) 2265*

Martín Avalos,[a] Reyes Babiano,[a] Pedro Cintas,[a] Fernando R. Clemente,[a] Ruth Gordillo,[a] Michael B. Hursthouse,[b] José L. Jiménez,[a] Mark E. Light[b] and Juan C. Palacios[a,*]

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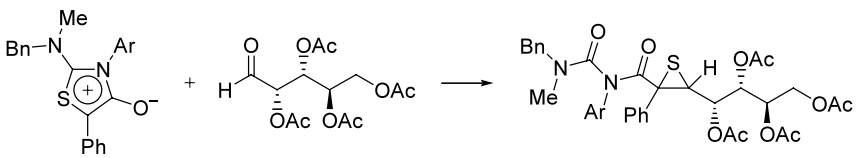

Asymmetric syntheses of *N*-acetyl-(*R*)-coniine and *N*-Boc-(2*R*,6*R*)-solenopsin A via ring-closing metathesis

Tetrahedron: Asymmetry *12 (2001) 2269*

Ramaiah Kumareswaran and Alfred Hassner*

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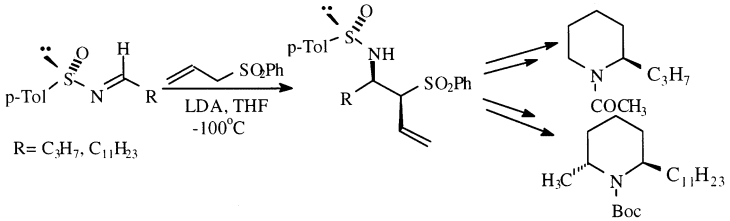
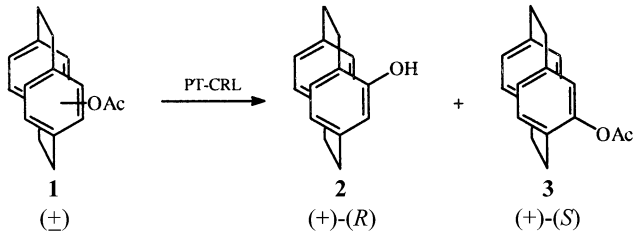
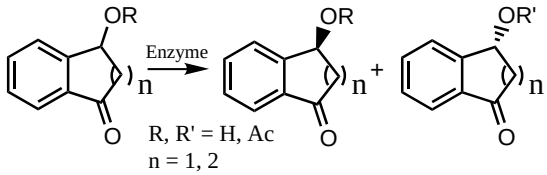
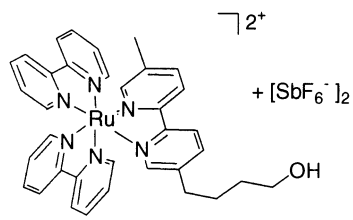


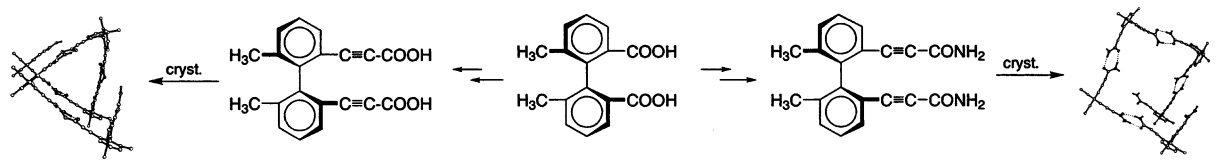






3

The chiral modified tris(2,2′-bipyridine)ruthenium(II) complex **3** was synthesized, characterized, and separated for the first time into enantiomers by electrokinetic chromatography (EKC) using anionic carboxymethyl-β-cyclodextrin as chiral mobile phase additive (CMPA). The described EKC separation offers the possibility of determining enantiomeric ratios with minute sample consumption.

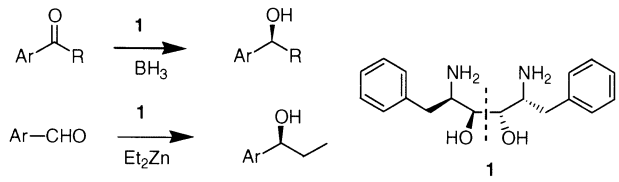


Tetrahedron: Asymmetry *12 (2001) 2323*

Catalytic enantioselective synthesis of secondary alcohols using C_2-symmetric diamino diol ligands

Biao Jiang,* Yan Feng and Jian-Feng Hang

Laboratory of Organometallic Chemistry, The Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, 354 Fenglin Road, Shanghai 200032, PR China



Tetrahedron: Asymmetry *12 (2001) 2331*

Electrochemical generation of chiral oxazolidin-2-ones anions: a new procedure for the highly diastereoselective conjugate addition to nitroalkenes

Marta Feroci,[a] Achille Inesi,[b,*] Laura Palombi[b,*] and Leucio Rossi[b]

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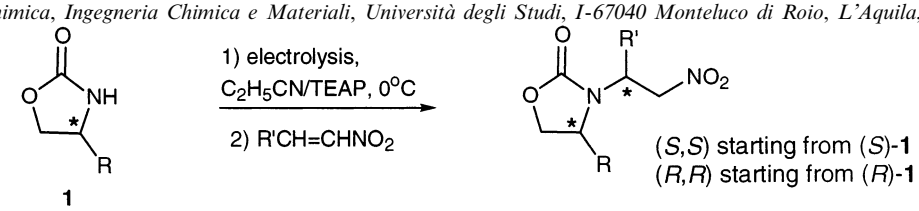
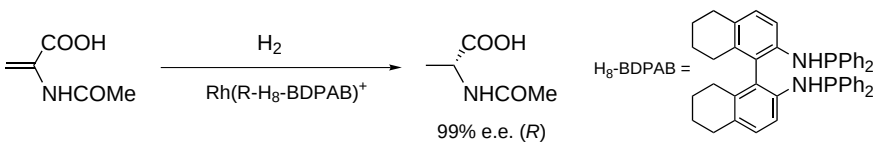


Tetrahedron: Asymmetry *12 (2001) 2337*

A comparison of the asymmetric hydrogenation catalyzed by rhodium complexes containing chiral ligands with a binaphthyl unit and that with a 5,5′,6,6′,7,7′,8,8′-octahydro-binaphthyl unit

Fu-Yao Zhang, Wai Him Kwok and Albert S. C. Chan*

Open Laboratory of Chirotechnology and Department of Applied Biology and Chemical Technology, The Hong Kong Polytechnic University, Hong Kong, China



Tetrahedron: Asymmetry *12 (2001) 2343*

Superior substrate control on diastereoselection in boric Lewis acid-promoted aldol reactions. Asymmetric synthesis of a 3,4-*syn* homologous series of ethyl 3,5-dihydroxy-2,4-dimethyl-5-phenylpentanoates

Syun-ichi Kiyooka,[a,*] Kazi A. Shahid,[b] Kazunori Murai,[a] Yong-Nan Li,[a] Momotoshi Okazaki[b] and Yoshihiro Shuto[b]

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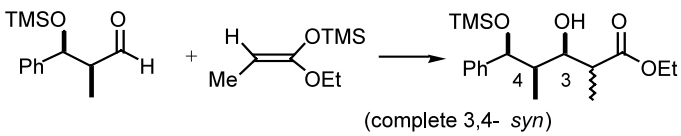

Synthesis of 4-aryl-substituted β-lactam enantiomers by enzyme-catalyzed kinetic resolution

Enikő Forró and Ferenc Fülöp*

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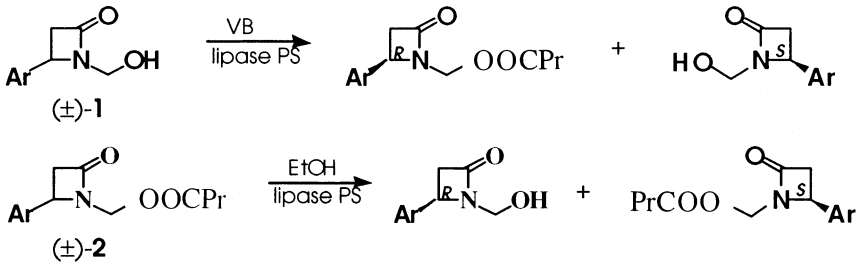

The two enantiomers of 4-phenyl- and 4-(*p*-tolyl)-2-azetidinones were prepared either by (*R*)-acylation of (±)-**1** or by (*R*)-hydrolysis of (±)-**2** using lipase PS in organic solvent.