

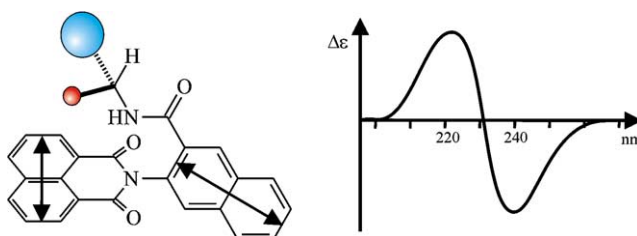
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A superior molecular bichromophore for the determination of absolute configuration of primary amines

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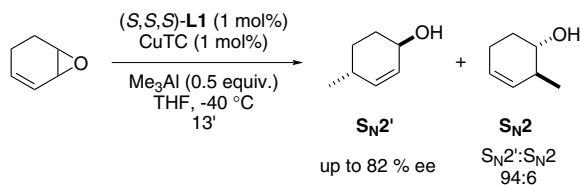
J. Gawroński* and J. Grajewski



Enantioselective opening of cyclic vinyl epoxides with organoaluminium reagents catalysed by copper salts

pp 1531–1536

Olivier Equey and Alexandre Alexakis*

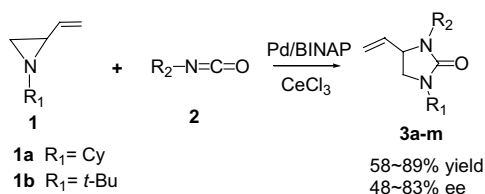


Herein we report conditions for the enantioselective conjugate addition of trialkylaluminium reagents to cyclic vinyl epoxides catalysed by copper salts and chiral phosphorus-based ligands. Both opening products (S_N2 and S_N2' pathways) were obtained with good enantioselectivity and moderate to good regioselectivity.

$CeCl_3$ promoted asymmetric cycloaddition of isocyanates with 2-vinylaziridines

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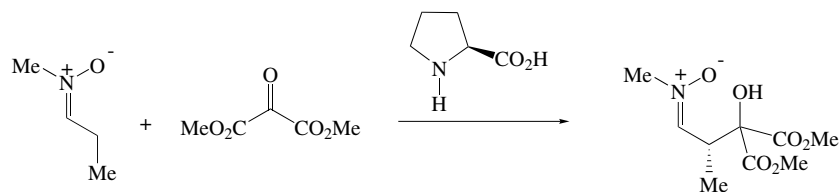
Chune Dong and Howard Alper*



The nucleophilic addition of nitrones to carbonyl compounds: insights on the nature of the mechanism of the L-proline induced asymmetric reaction from a DFT analysis

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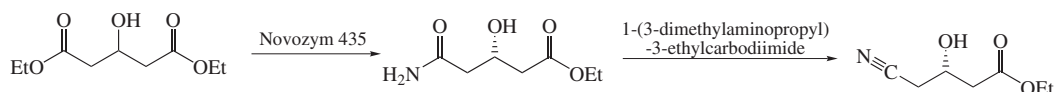
Manuel Arnó, Ramón J. Zaragoza and Luis R. Domingo*



Absolute configurations of monoesters produced by enzyme catalyzed hydrolysis of diethyl 3-hydroxyglutarate

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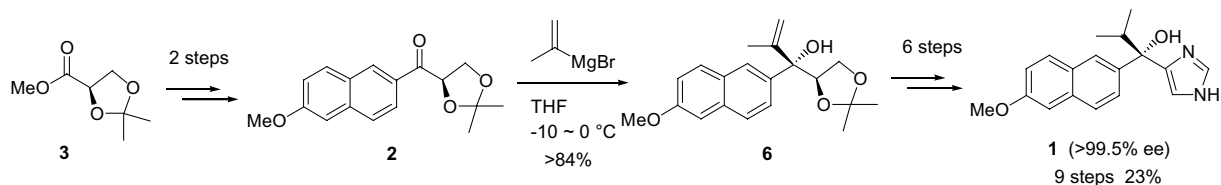
Anders Riise Moen, Bård Helge Hoff, Lars Kristian Hansen, Thorleif Anthonen and Elisabeth Egholm Jacobsen*



Stereocontrolled synthesis of (1S)-1-(1H-imidazol-4-yl)-1-(6-methoxy-2-naphthyl)-2-methylpropan-1-ol as a potent C_{17,20}-lyase inhibitor

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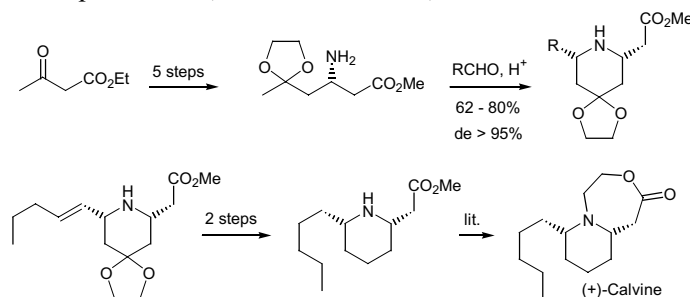
Akio Ojida, Nobuyuki Matsunaga,* Tomohiro Kaku and Akihiro Tasaka



A β,β' -ketoaminoester as a valuable tool for the asymmetric construction of substituted homopipercolic esters: application to a formal synthesis of (+)-Calvine

pp 1561–1567

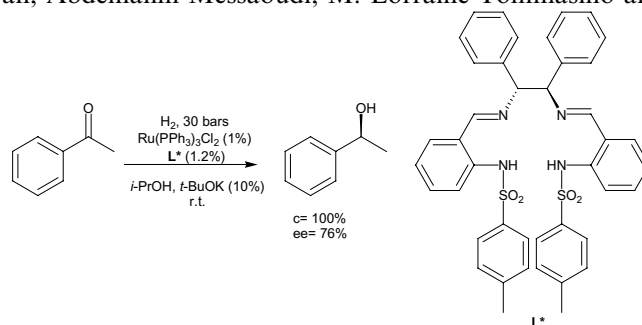
Sophie Rougnon-Glasson, Christophe Tratat, Jean-Louis Canet, Pierre Chalard and Yves Troin*



New ruthenium catalysts containing chiral Schiff bases for the asymmetric hydrogenation of acetophenone

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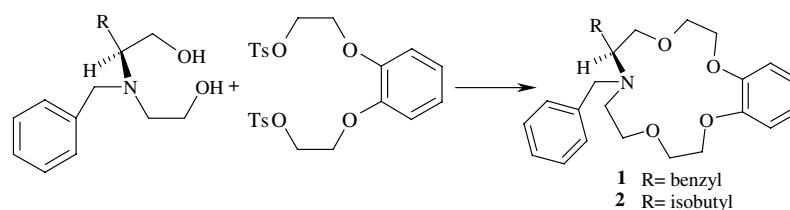
Iyad Karamé, Mohamed Jahjah, Abdelhalim Messaoudi, M. Lorraine Tommasino and Marc Lemaire*



The enantiomeric recognition of chiral organic ammonium salts by chiral monoaza-15-crown-5 ether derivatives

pp 1583–1588

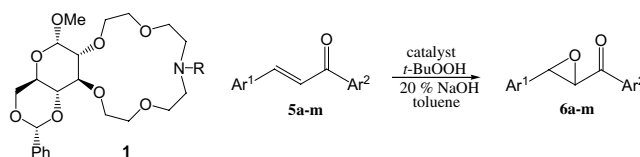
Yılmaz Turgut,* Elif Şahin, Mahmut Toğrul and Halil Hoşgören



Phase-transfer catalyzed asymmetric epoxidation of chalcones using chiral crown ethers derived from D-glucose, D-galactose, and D-mannitol

pp 1589–1595

Tibor Bakó, Péter Bakó,* György Keglevich, Petra Bombicz, Miklós Kubinyi, Krisztina Pál, Sándor Bodor, Attila Makó and László Tóke

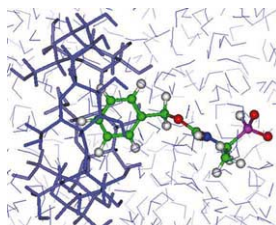


Epoxidation with *tert*-butylhydroperoxide of chalcones catalyzed by D-glucose-based crown ethers **1** yielded the (2*R*,3*S*)-products in 81–92% ee.

Cyclodextrins as NMR probes in the study of the enantiomeric compositions of N-benzyloxycarbonylamino-phosphonic and phosphinic acids

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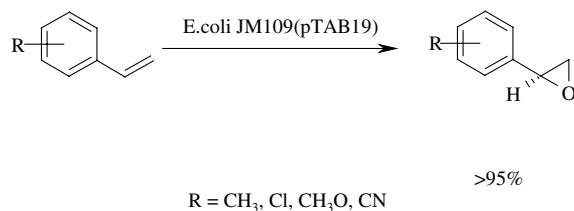
Łukasz Berlicki, Ewa Rudzińska, Artur Mucha and Paweł Kafarski*



**Bacterial monooxygenase mediated preparation of nonracemic chiral oxiranes:
study of the effects of substituent nature and position**

pp 1603–1606

Silvana Bernasconi, Fulvia Orsini, Guido Sello* and Patrizia Di Gennaro

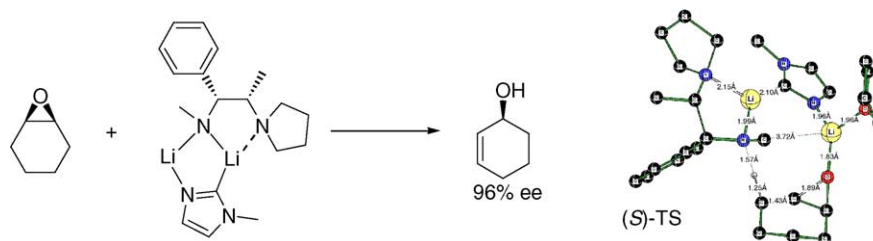


The chemoenzymatic preparation of several substituted phenyl oxiranes is described. Both electronic and geometric effects of substituents are considered.

Composition and structure of activated complexes in stereoselective deprotonation of cyclohexene oxide by a mixed dimer of chiral lithium amide and lithiated imidazole

pp 1607–1613

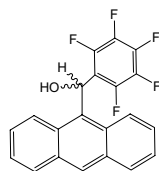
Daniel Pettersen, Peter Dinér, Mohamed Amedjkouh and Per Ahlberg*



**Preparation, conformational analysis and behaviour as chiral solvating agents of
9-anthrylpentafluorophenylmethanol enantiomers: study of the diastereomeric association**

pp 1615–1621

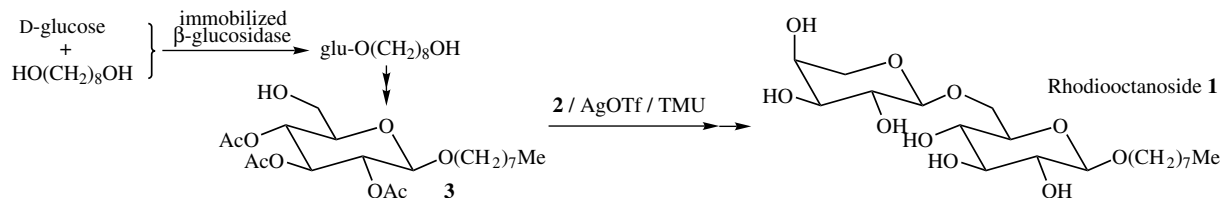
Miriam Pérez-Trujillo, Albert Virgili* and Elies Molins



Chemoenzymatic synthesis of rhodiocytoside isolated from Chinese medicines, rhodiola radix

pp 1623–1629

Hiroyuki Akita,* Eiji Kawahara and Keisuke Kato

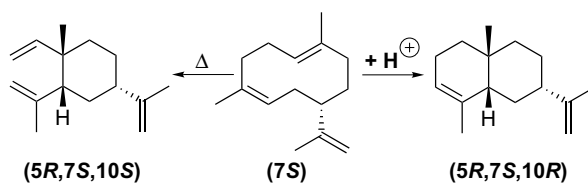


The synthesis of rhodiocytoside 1 was achieved by the coupling reaction of 2,3,4-tri-*O*-acetyl- α -L-arabinopyranosyl bromide 2 and *n*-octyl β -D-glucopyranoside congener 3, which was obtained based on enzymatic β -glucosidation between D-glucose and 1,8-octanediol.

Absolute configuration of helminthogermacrene

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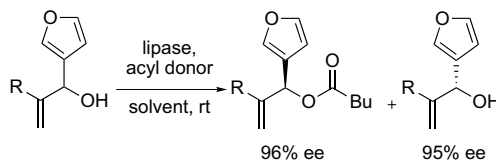
Adewale Martins Adio, Claudia Paul,* Hailemichael Tesso, Petra Kloth and Wilfried A. König



Enantioselective synthesis of a hindered furyl substituted allyl alcohol intermediate: a case study in asymmetric synthesis

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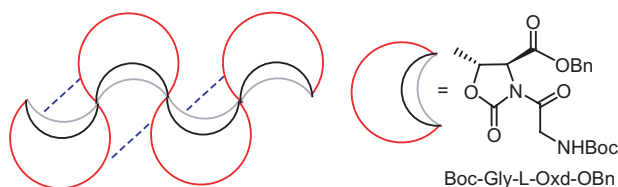
Ainoliisa J. Pihko, Katri Lundell, Liisa Kanerva and Ari M. P. Koskinen*



Stabilizing effects in oxazolidin-2-ones-containing pseudopeptides

pp 1645–1650

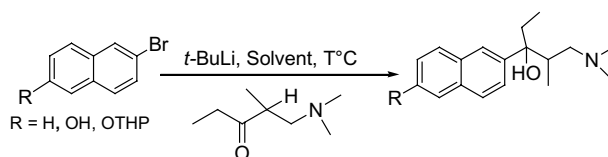
Gianluigi Luppi, Chiara Soffrè and Claudia Tomasini*



Diastereoselective synthesis of chiral nonracemic naphthylaminoalcohols with analgesic activity

pp 1651–1658

Ornella Azzolina,* Simona Collina, Gloria Brusotti, Guya Loddo, Laura Linati, Enrica Lanza and Victor Ghislandi

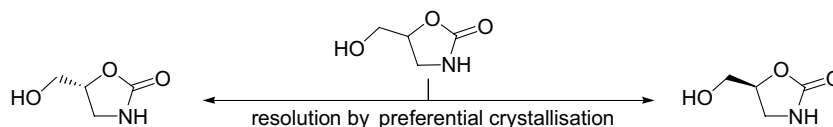


The synthetic procedure allowed us to obtain all stereoisomers, depending on the experimental conditions. Ee up to 94% (chiral HPLC). Absolute configuration: NOESY experiments.

Resolution of 5-hydroxymethyl-2-oxazolidinone by preferential crystallization and investigations on the nature of the racemates of some 2-oxazolidinone derivatives

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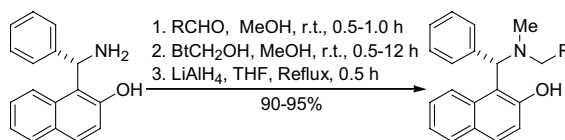
Marco Pallavicini,* Cristiano Bolchi, Raffaella Di Pumpo, Laura Fumagalli, Barbara Moroni, Ermanno Valoti and Francesco Demartin



Highly regioselective *N*-alkylation of nonracemic Betti base: a novel one-pot synthesis of chiral *N*-methyl-*N*-alkyl Betti bases

pp 1667–1672

Yanmei Dong, Jianwei Sun, Xinyan Wang, Xuenong Xu, Liya Cao and Yuefei Hu*



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*Corresponding author



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