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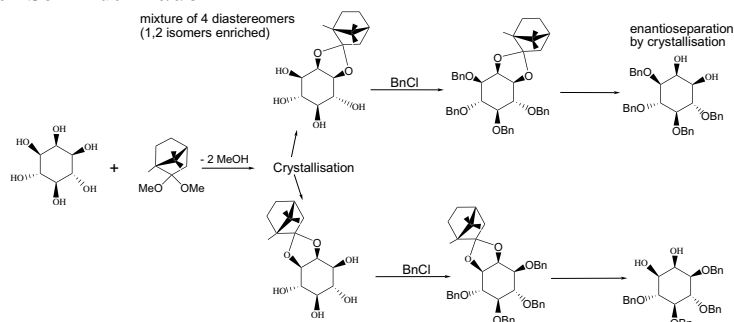
COMMUNICATIONS

Advances in analysis and synthesis of *myo*-inositol-derivatives through resolution by crystallisation

pp 1723–1728

Wolfgang Wewers,* Hartmut Gillandt and Henner Schmidt Traub

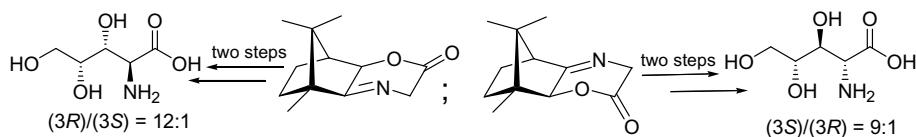
Process for the preparation of 1,4,5,6-tetra-*O*-benzyl-*myo*-inositol and 3,4,5,6-tetra-*O*-benzyl-*myo*-inositol using optical resolution by crystallisation.



A straightforward route to the asymmetric synthesis of 3,4-diepipolyoxamic acid and its isomers

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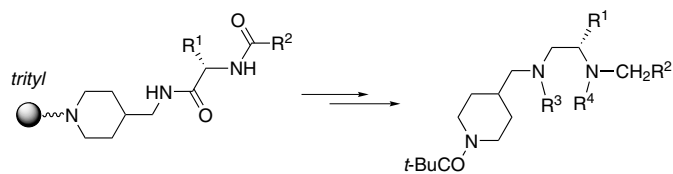
Shuo Li, Xin-Ping Hui, Shao-Bo Yang, Zhong-Jian Jia, Peng-Fei Xu* and Ta-Jung Lu



Design and solid-phase synthesis of chiral acyclic and cyclic diamine ligands

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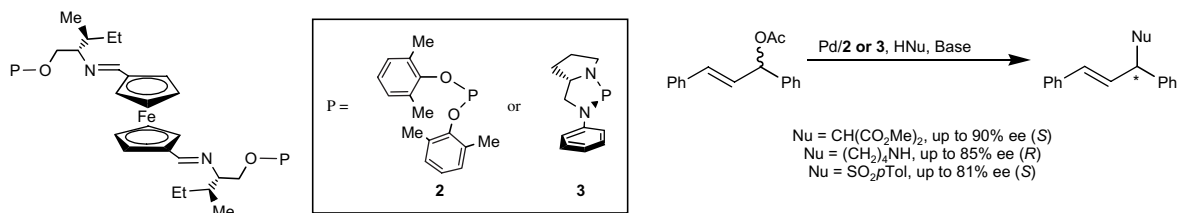
Dehe Li and Dennis G. Hall*



Enantioselective Pd-catalyzed C*-C, C*-N, and C*-S bond formation reactions using first P,P,N,N-tetradentate chiral phosphites

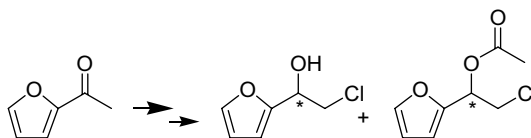
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Vasily N. Tsarev,* Stanislav I. Konkin, Alexei A. Shyryaev, Vadim A. Davankov and Konstantin N. Gavrilov


Chemoenzymatic synthesis of both enantiomers of 2-chloro-1-(2-furyl)ethanol

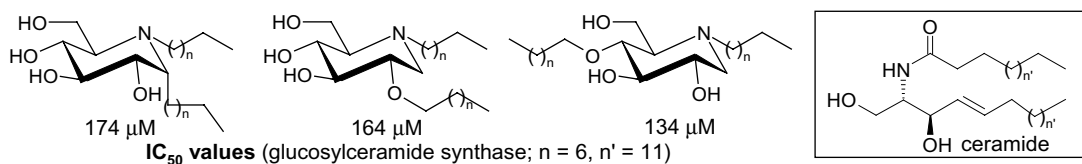
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Zuhail Gercek, Devrim Karakaya and Ayhan S. Demir*


Design and synthesis of iminosugar-based inhibitors of glucosylceramide synthase: the search for new therapeutic agents against Gaucher disease

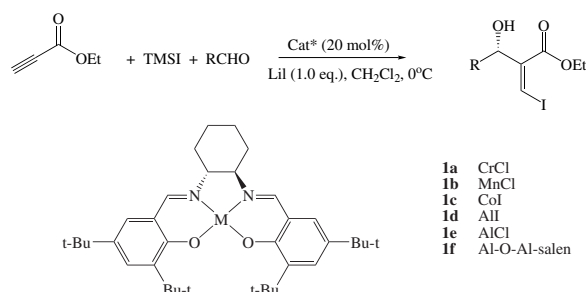
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Charlotte Boucheron, Valérie Desvergnès, Philippe Compain,* Olivier R. Martin,* Alan Lavi, Muckram Mackeen, Mark Wormald, Raymond Dwek and Terry D. Butters


The first asymmetric catalytic halo aldol reaction of β -iodo allenates with aldehydes by using chiral salen catalyst

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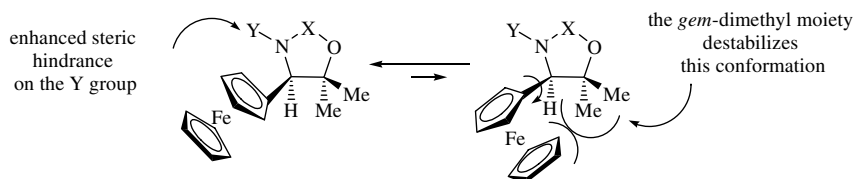
Dianjun Chen, Li Guo, S. R. S. Saibabu Kotti and Guigen Li*



1-Amino-1-ferrocenyl-2-methyl-2-propanol: a case study on the conformational control of asymmetric induction

pp 1763–1778

Agustí Bueno, Rosa M^a Moreno and Albert Moyano*

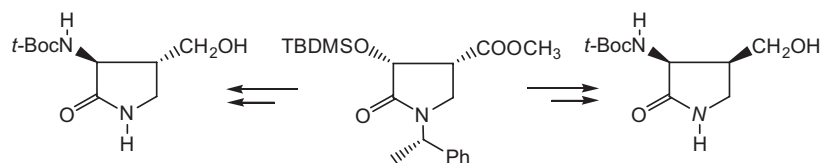


The introduction of a *gem*-dimethyl moiety at C1 in 2-amino-2-ferrocenylethanol exerts a strong conformational control on the ferrocenyl group when this compound is incorporated into a heterocyclic ring, leading to increased levels of asymmetric induction in reactions mediated by chiral auxiliaries or ligands derived from this chiral β -amino alcohol.

Chiral 3-hydroxypyrrolidin-2-ones. Part 2: Stereodivergent synthesis of conformationally restricted analogues of β -homoserine

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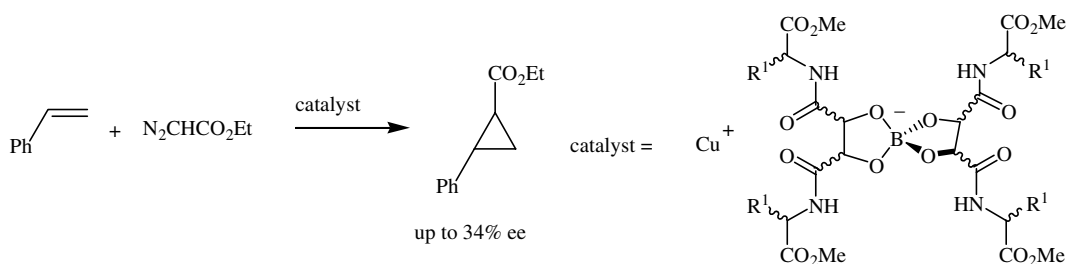
Roberta Galeazzi, Gianluca Martelli, Desiré Natali, Mario Orena* and Samuele Rinaldi



Synthesis of a library of chiral α -amino acid-based borate counteranions and their application to copper catalyzed olefin cyclopropanation

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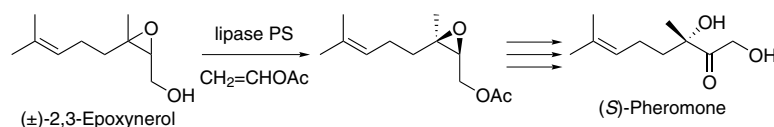
David B. Llewellyn and Bruce A. Arndtsen*



Enzyme-assisted synthesis of (*S*)-1,3-dihydroxy-3,7-dimethyl-6-octen-2-one, the male-produced aggregation pheromone of the Colorado potato beetle, and its (*R*)-enantiomer

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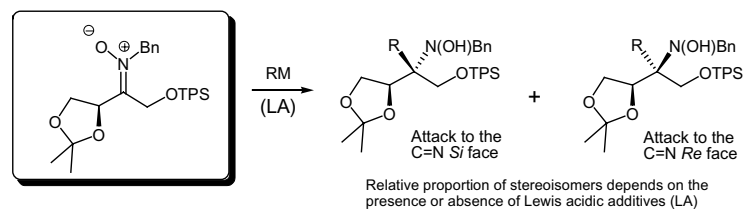
Takuya Tashiro and Kenji Mori*



Stereoselective addition of organometallic reagents to a chiral acyclic nitron derived from L-erythrose

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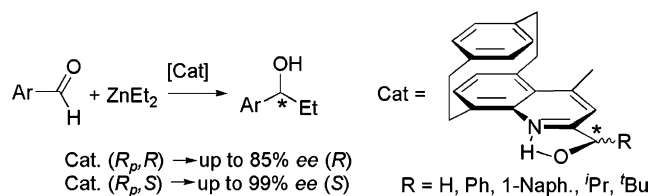
Juan Murga,* Raul Portolés, Eva Falomir, Miguel Carda and J. Alberto Marco



[(2]Paracyclo[2](5,8)quinolinophan-2-yl)carbinols as catalysts for diethylzinc addition to aldehydes: cooperative effects of planar and central chirality on the asymmetric induction

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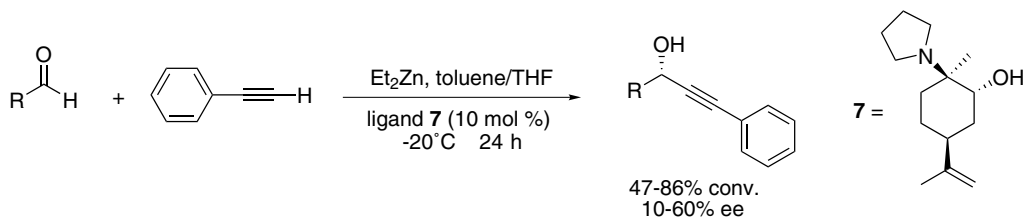
Giacomo Ricci and Renzo Ruzziconi*



Enantioselective alkynylations of aromatic and aliphatic aldehydes catalyzed by terpene derived chiral amino alcohols

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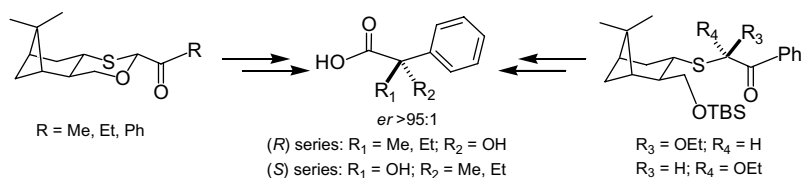
Cian Christopher Watts, Praveen Thoniyot, Lacie C. Hirayama, Talia Romano and Bakthan Singaram*



Enantioselective synthesis of either enantiomer of α -alkyl- α -hydroxy- α -phenylacetic acids using chiral auxiliaries

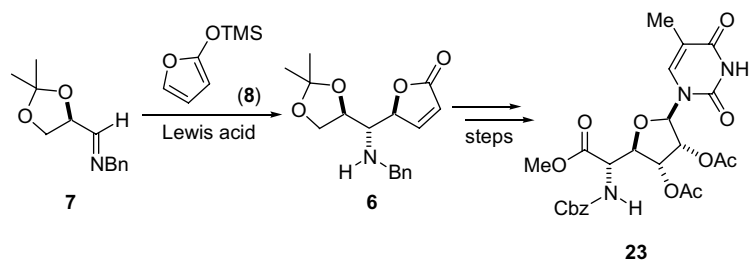
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Kenn E. Harding and Jack M. Southard*

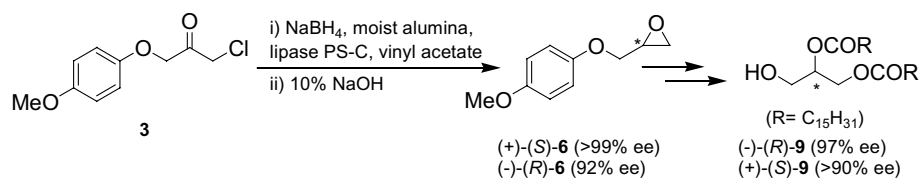
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A facile and convenient chemoenzymatic synthesis of optically active *O*-(4-methoxyphenyl)-glycidol and 1,2-diacyl-*sn*-glycerol

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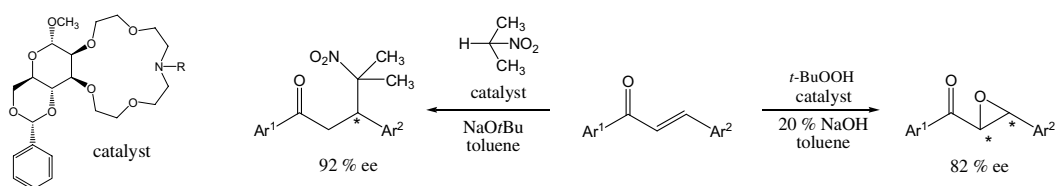
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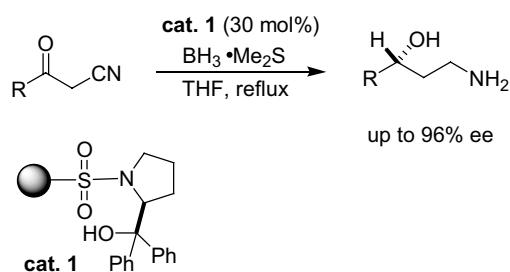
Péter Bakó,* Attila Makó, György Keglevich, Miklós Kubinyi and Krisztina Pál



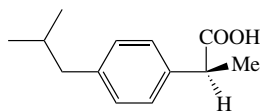
Polymer-supported chiral sulfonamide catalyzed one-pot reduction of β -keto nitriles: a practical synthesis of (*R*)-fluoxetine and (*R*)-duloxetine

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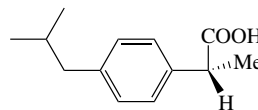
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Daniella Vasconcellos Augusti and Rodinei Augusti*



(S)-ibuprofen



(R)-ibuprofen

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