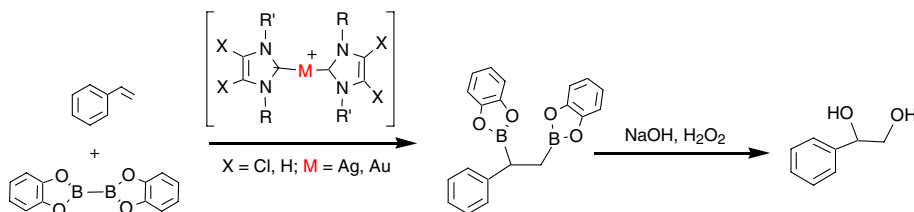


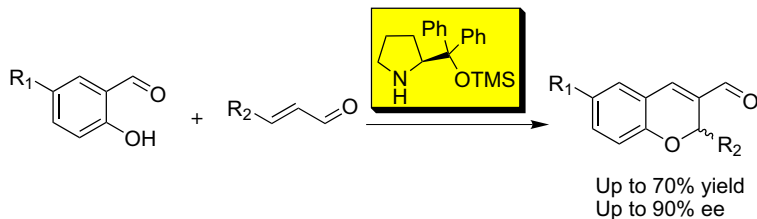
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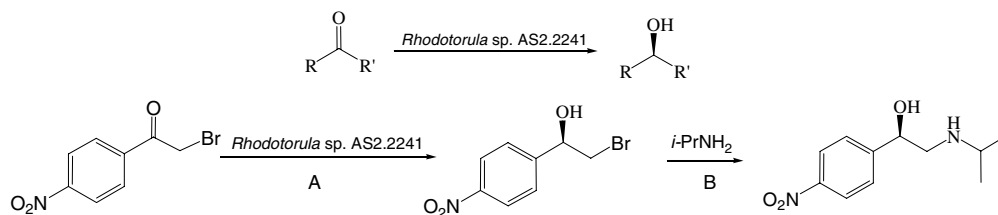


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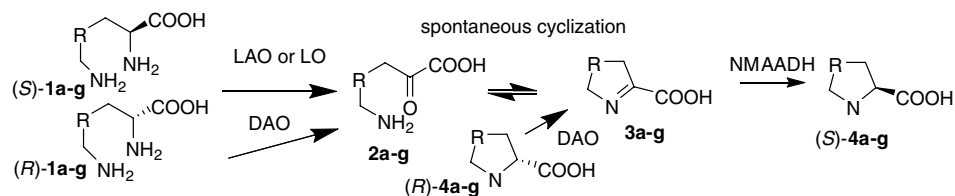


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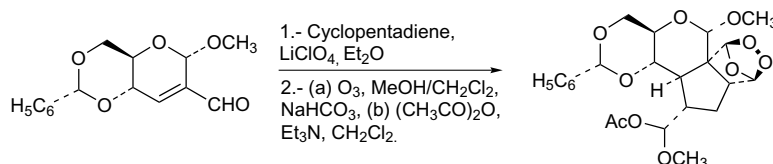


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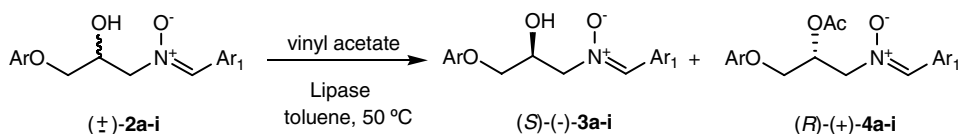
Synthesis and spectroscopic NMR studies of a highly stable cross-ozonide product derived from a carbohydrate system

María I. Mangione, Sebastián A. Testero, Alejandra G. Suárez, Rolando A. Spanevello* and Jean-Pierre Tuchagues



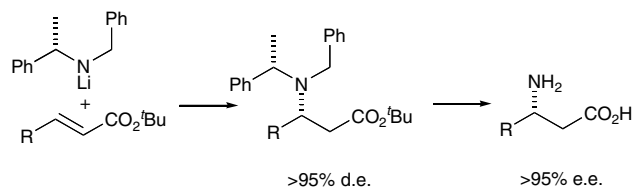
Lipase-catalyzed separation of the enantiomers of 1-arylideneamino-3-aryloxypropan-2-ol-*N*-oxides. Preparation of optically active nitrones

Monika Wielechowska, Paulina Dąbrowska and Jan Plenkiewicz*



Homochiral lithium amides for the asymmetric synthesis of β-amino acids

Stephen G. Davies,* Narciso M. Garrido, Dennis Kruchinin, Osamu Ichihara, Luke J. Kotchie, Paul D. Price, Anne J. Price Mortimer, Angela J. Russell and Andrew D. Smith

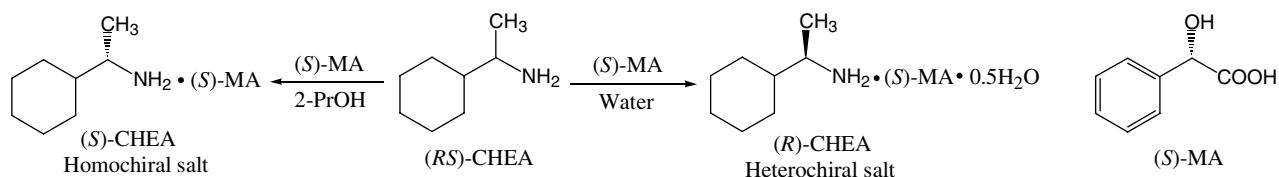


Secondary homochiral lithium amides derived from α-methylbenzylamine undergo highly diastereoselective conjugate additions to a range of α,β-unsaturated esters (>95% de), with the corresponding β-amino acids (>95% ee) readily prepared by successive *N*-debenzylation and ester hydrolysis.

Molecular mechanism of DCR phenomenon observed in (*RS*)-1-cyclohexylethylamine–mandelic acid resolution system

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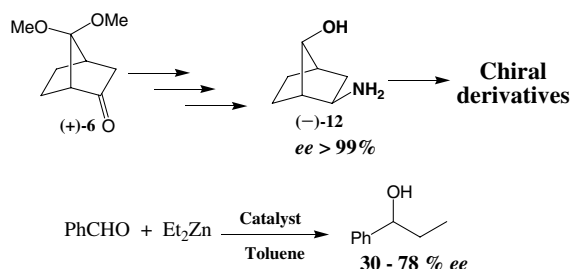
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pp 1817–1823

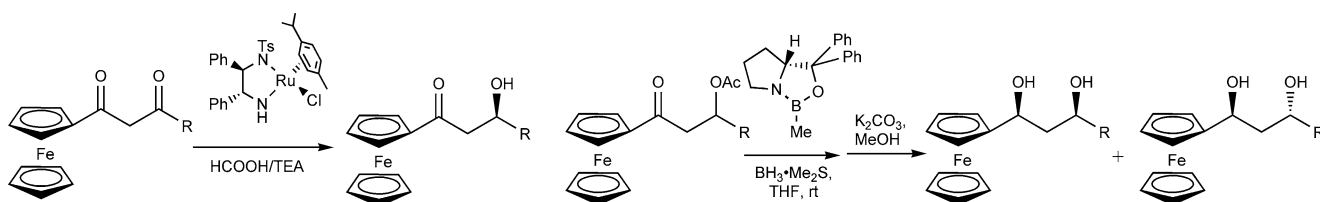
José E. D. Martins, Clarissa M. Mehlecke, Muriell Gamba and Valentim E. U. Costa*



Synthesis of chiral 1-ferrocenylaldols and 1-ferrocenyl-1,3-diols via asymmetric reductions

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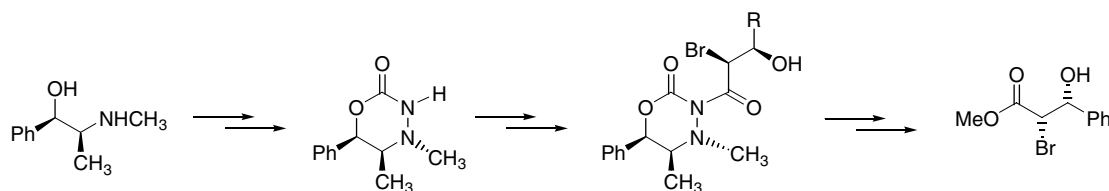
Angela Patti* and Sonia Pedotti



Towards the development of oxadiazinanones as chiral auxiliaries: synthesis and application of *N*₃-haloacetyloxadiazinanones

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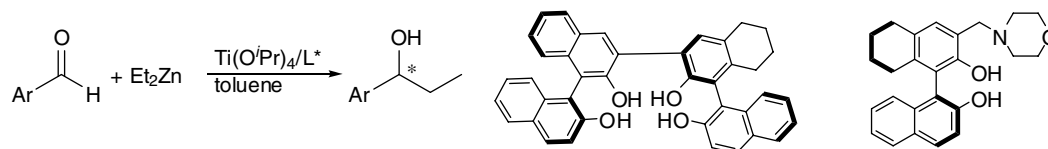
Trisha R. Hoover, Jonathan A. Groeper, Raleigh W. Parrott, II, Seshanand P. Chandrashekar, Jennifer M. Finefield, Alexandro Dominguez and Shawn R. Hitchcock*



Synthesis of modified H₄-BINOL ligands and their applications in the asymmetric addition of diethylzinc to aromatic aldehydes

pp 1842–1845

Yong-Na Lu, Qun-Sheng Guo, Fu-Yong Jiang and Jin-Shan Li*

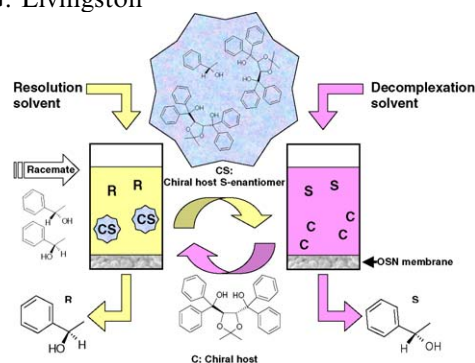


Enantiomer separation by enantioselective inclusion complexation–organic solvent nanofiltration

pp 1846–1852

Nazlee F. Ghazali, Frederico C. Ferreira, Andrew J. P. White and Andrew G. Livingston*

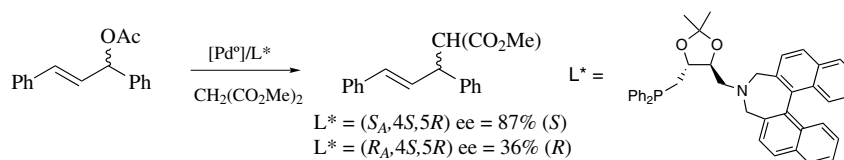
Coupling of enantioselective inclusion complexation (EIC) with organic solvent nanofiltration (OSN) enables the separation of enantiomers. This expands the applications of EIC from the resolution of volatile to practically any racemates and allows facile large-scale application. A decomplexation solvent is employed to dissociate enantiomers from the enantioenriched solid complex and subsequent separation of enantiomers from the chiral host is achieved via OSN.



A P,N ligand with central and axial chiral elements: synthesis and application in allylic alkylation

pp 1853–1858

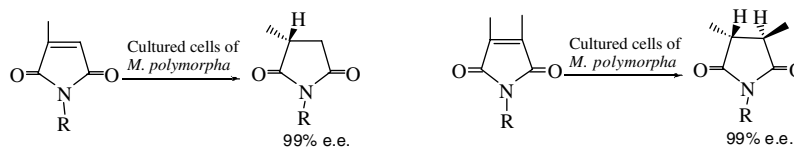
Igor Mikhael, Catherine Goux-Henry and Denis Sinou*



Asymmetric hydrogenation of the C–C double bond of 1- and 1,2-methylated maleimides with cultured suspension cells of *Marchantia polymorpha*

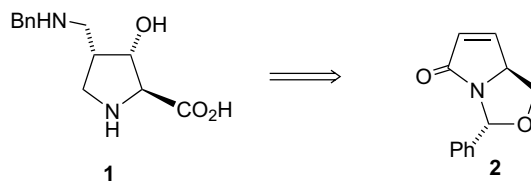
pp 1859–1862

Mohamed-Elamir F. Hegazy, Kozo Shishido and Toshifumi Hirata*



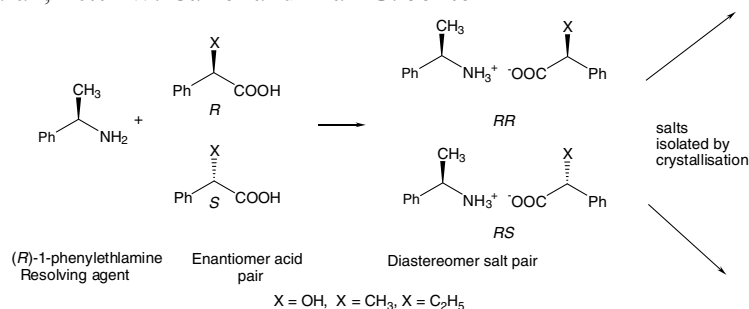
Suspension cultured cells of *Marchantia polymorpha* have the potential to hydrogenate the C–C double bonds of 2-methyl- and 2,3-dimethylmaleimide derivatives to give enantiomerically pure (2R)-2-methyl- and (2R,3R)-2,3-dimethylsuccinimide derivatives, respectively.

Luis Álvarez de Cienfuegos and Nicole Langlois*



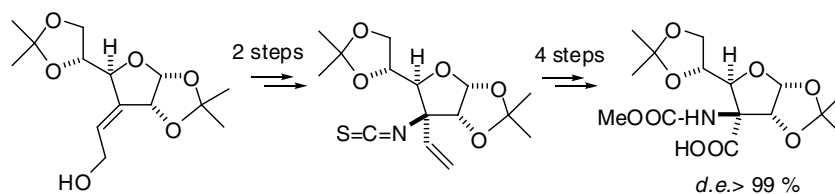
Separability of diastereomer salt pairs of 1-phenylethylamine with enantiomeric 2-substituted phenylacetic acids by fractional crystallization, and its relation to physical and phase properties

Parathy R. Anandamanoharan, Peter W. Cains* and Alan G. Jones



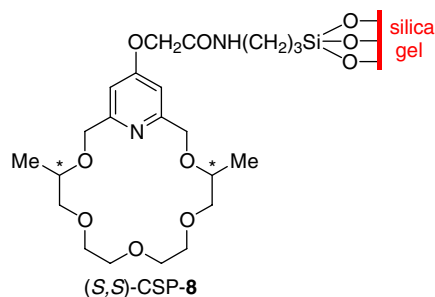
Creation of quaternary stereocentres via [3,3]-sigmatropic rearrangement of allylic thiocyanates. A synthetic approach to (+)-myriocin

Jozef Gonda,* Miroslava Martinková, Jana Raschmanová and Eva Balentová



Enantioseparation of protonated primary arylalkylamines and amino acids containing an aromatic moiety on a pyridino-crown ether based new chiral stationary phase

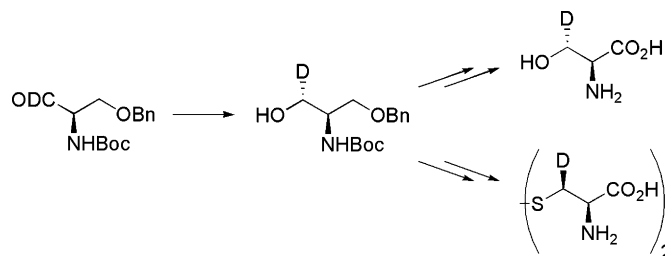
Viktor Farkas, Tünde Tóth, György Orosz, Péter Huszthy* and Miklós Hollósi



Preparation of L-serine and L-cystine stereospecifically labeled with deuterium at the β -position

pp 1890–1894

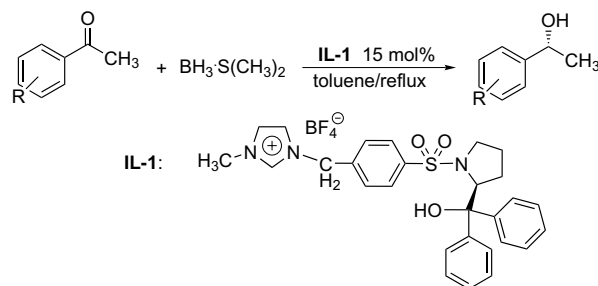
Makoto Oba,* Akira Iwasaki, Hiroshi Hitokawa, Toshinori Ikegame, Hiroyuki Banba, Kozo Ura, Tadashi Takamura and Kozaburo Nishiyama*



Asymmetric borane reduction of prochiral ketones using imidazolium-tagged sulfonamide catalyst

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Shang-Dong Yang, Yun Shi, Zhen-Hua Sun, Ya-Bin Zhao and Yong-Min Liang*



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*Corresponding author



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