

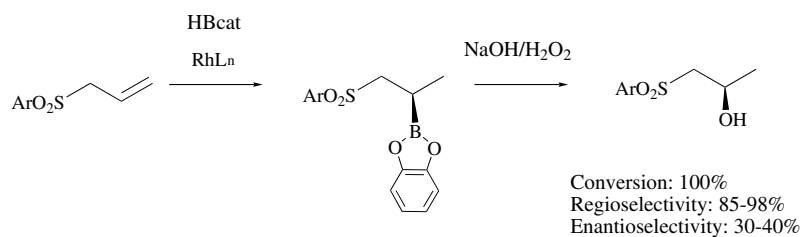
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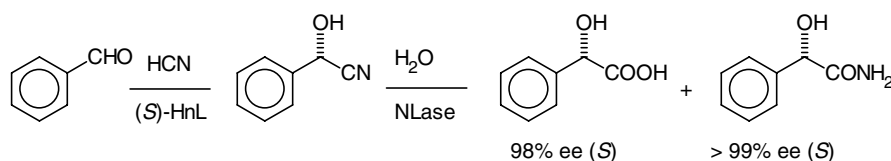
Vanesa Lillo and Elena Fernández*



Synthesis of enantiomerically pure (*S*)-mandelic acid using an oxynitrilase–nitrilase bienzymatic cascade: a nitrilase surprisingly shows nitrile hydratase activity

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Cesar Mateo, Andrzej Chmura, Sven Rustler, Fred van Rantwijk, Andreas Stolz and Roger A. Sheldon*

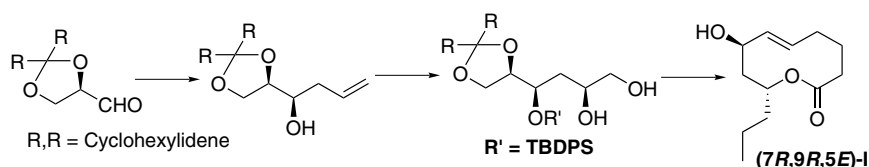


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An asymmetric synthesis of 7-hydroxy-9-propylnonenolide (herbarumin III)

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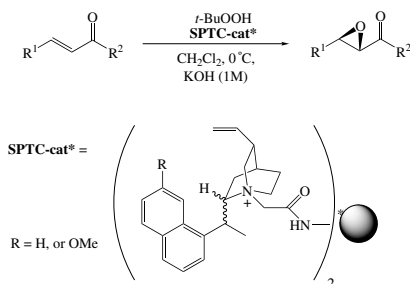
Avinash Salaskar, Anubha Sharma and Subrata Chattopadhyay*



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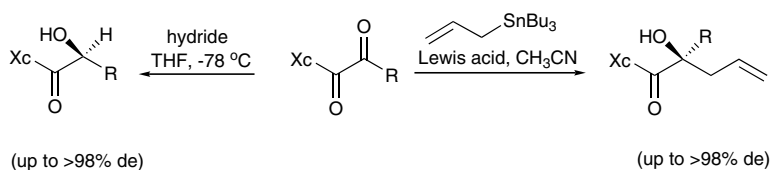
Jian Lv, Xin Wang, Juyan Liu, Liping Zhang and Yongmei Wang*



Highly diastereoselective allylation and reduction of chiral camphor-derived α -ketoamides

pp 336–346

Neelesh A. Kulkarni, Shy-Guey Wang, Li-Chen Lee, Huei Ru Tsai, Uppala Venkatesham and Kwunmin Chen*

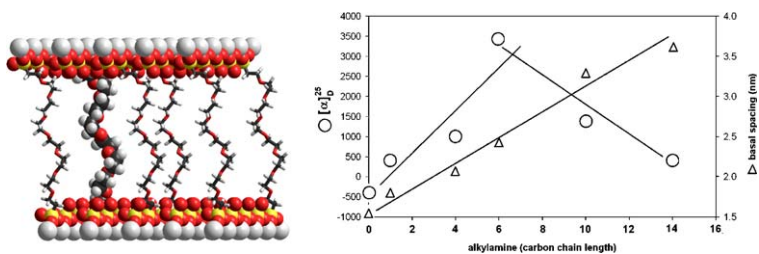


Solid-state reshaping of nanostructured crystals: supramolecular chirality of layered materials derived from polyethylenoxa-pillared zirconium phosphate

pp 347–354

Ernesto Brunet,* María José de la Mata, Olga Juanes, Hussein M.H. Alhendawi, Carlos Cerro and Juan Carlos Rodríguez-Ubis

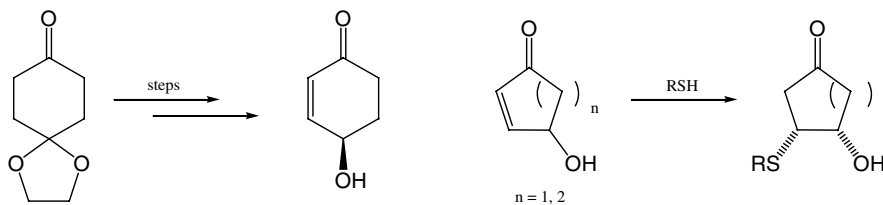
The pillaring of γ -zirconium phosphate with either dissymmetric or non-dissymmetric polyethylenoxa diphosphonates leads to organic-inorganic nanostructures in which the coiling of organic columns is the source of supramolecular chirality and chiral memory.



Novel preparation of (-)-4-hydroxycyclohex-2-enone: reaction of 4-hydroxycyclohex-2-enone and 4-hydroxycyclopent-2-enone with some thiols

pp 355–362

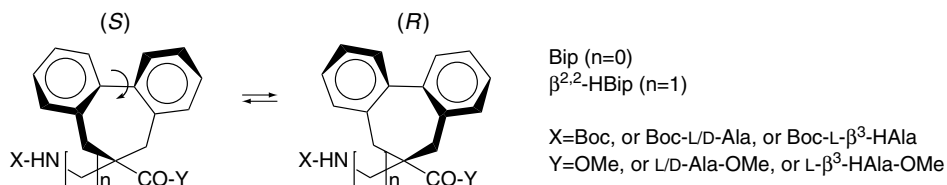
Jamie F. Bickley, Paul Evans, Alastair Meek, Ben S. Morgan and Stanley M. Roberts*



An extension of the 'Bip method': induced axial chirality in a series of dipeptides based on Bip/ $\beta^{2,2}$ -HBip combined with Ala/ β^3 -HAla

pp 363–371

Laurence Dutot, Anne Gaucher, Karen Wright, Michel Wakselman, Jean-Paul Mazaleyrat,*
Simona Oancea, Cristina Peggion, Fernando Formaggio and Claudio Toniolo*

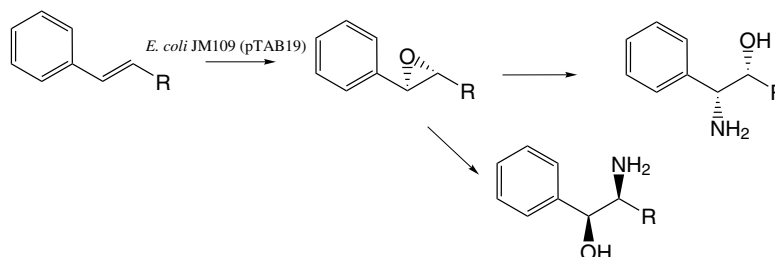


Dipeptides based on $\beta^{2,2}$ -HBip/L(D)-Ala, Bip/L- β^3 -HAla, and $\beta^{2,2}$ -HBip/L- β^3 -HAla have been synthesized in solution and the induced circular dichroism in their biphenyl core has been evaluated.

Synthesis of enantiopure 2-amino-1-phenyl and 2-amino-2-phenyl ethanols using enantioselective enzymatic epoxidation and regio- and diastereoselective chemical aminolysis

pp 372–376

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

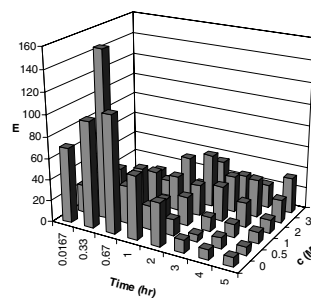


Hofmeister series of ionic liquids: kosmotropic effect of ionic liquids on the enzymatic hydrolysis of enantiomeric phenylalanine methyl ester

pp 377–383

Hua Zhao,* Sophia M. Campbell, Lee Jackson, Zhiyan Song and Olarongbe Olubajo

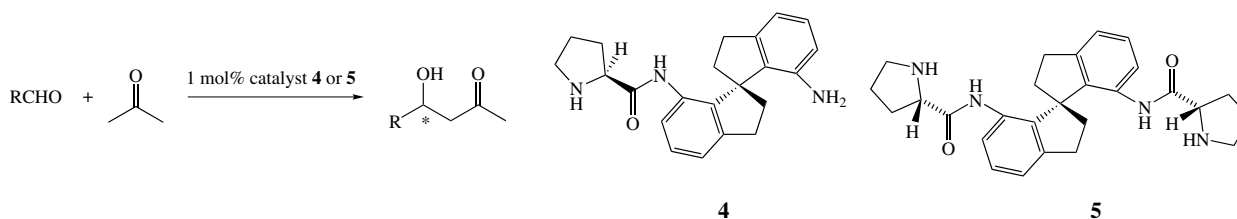
During hydrolysis of chiral phenylalanine, high enantiomeric ratios (*E*) of protease were observed in [EMIM][EtSO₄] solutions. L-Phenylalanine (98% ee) was obtained in 0.5M [EMIM][EtSO₄] at 20min reaction time.



Asymmetric aldol reactions catalyzed by new spiro diamine derivatives

pp 384–387

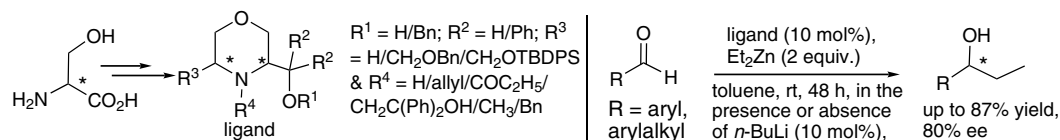
Man Jiang, Shou-Fei Zhu, Yun Yang, Liu-Zhu Gong, Xiang-Ge Zhou* and Qi-Lin Zhou*



Synthesis of chiral C/N-functionalized morpholine alcohols: study of their catalytic ability as ligand in asymmetric diethylzinc addition to aldehyde

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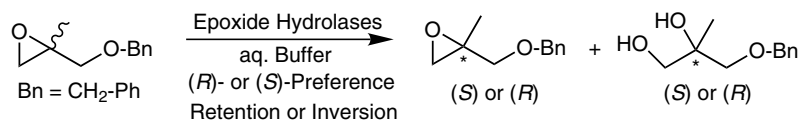
Rajesh Dave and N. André Sasaki*



Selectivity enhancement of enantio- and stereo-complementary epoxide hydrolases and chemo-enzymatic deracemization of (\pm)-2-methylglycidyl benzyl ether

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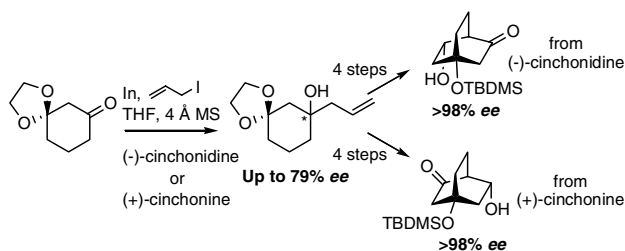
Yolanda Simeó and Kurt Faber*



Enantioselective synthesis of bridgehead hydroxyl bicyclo[2.2.2]octane derivatives via asymmetric allylindation

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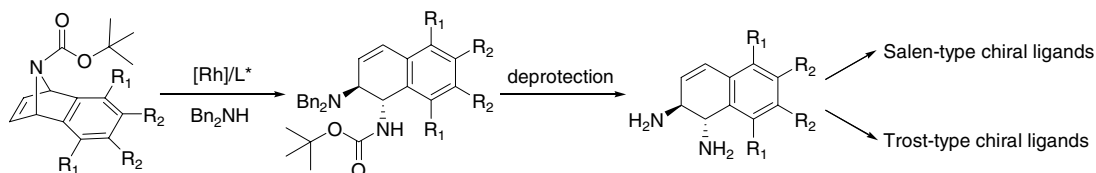
Viveca Thornqvist, Sophie Manner and Torbjörn Frejd*



Enantioselective synthesis of chiral 1,2-diamines by the catalytic ring opening of azabenzonorbornadienes: application in the preparation of new chiral ligands

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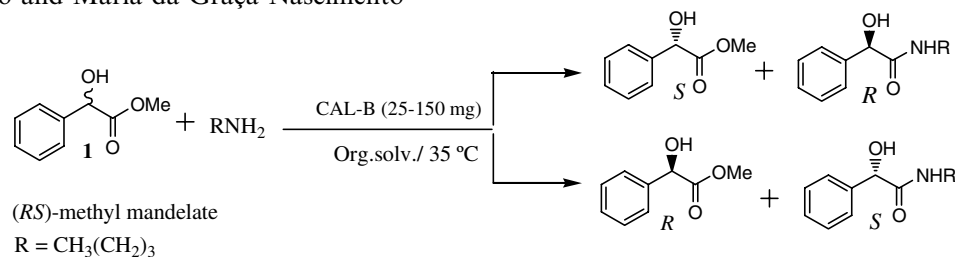
Yong-Hwan Cho, Aude Fayol and Mark Lautens*



Effects of organic solvents and ionic liquids on the aminolysis of (*RS*)-methyl mandelate catalyzed by lipases

pp 428–433

Cristiane Pilissão and Maria da Graça Nascimento*

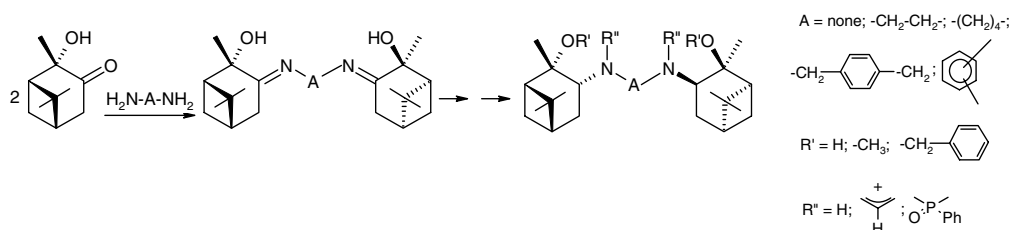


Solvents: *n*-hexane, chloroform, *tert*-butanol, [BMIm][BF₄], [BMIm][PF₆]; ee_p=10 >99%; ee_s=2–95%; *E*=2 >200%.

Enantiomerically pure α -pinene derivatives from material of 65% enantiomeric purity. Part 2: C₂-symmetric *N,N'*-3-(2 α -hydroxy)pinane diimines and diamines

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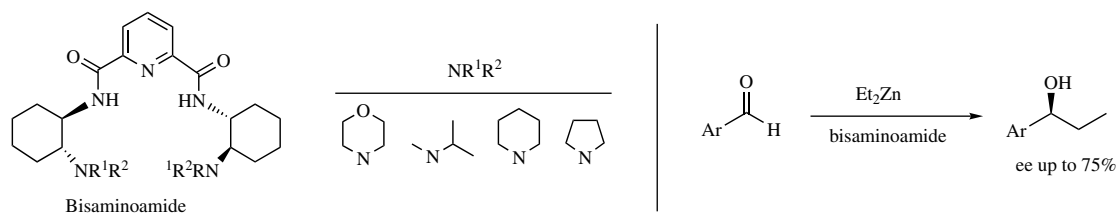
Stanisław W. Markowicz,* Marek Figlus, Michał Lejkowski, Janina Karolak-Wojciechowska,* Agnieszka Dzierżawska-Majewska and Francis Verpoort



Chemoenzymatic syntheses of novel ligands derived from *trans*-cyclohexane-1,2-diamine: application in the enantioselective addition of diethylzinc to aromatic aldehydes

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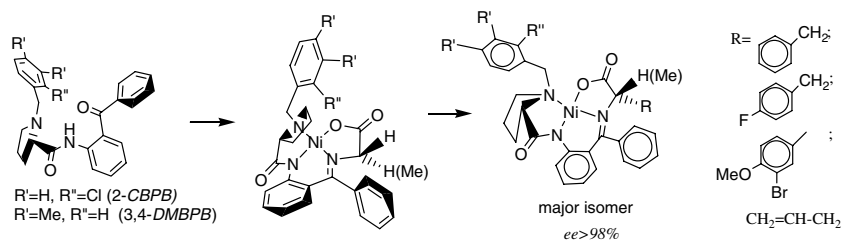
Javier González-Sabín, Vicente Gotor* and Francisca Rebolledo*



New chiral Ni^{II} complexes of Schiff's bases of glycine and alanine for efficient asymmetric synthesis of α -amino acids

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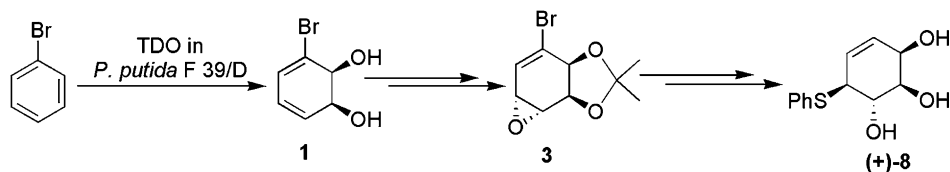
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Zhenqiu Guo, Xiaoyu Guan and Zhiyong Chen*



Ana Bellomo and David Gonzalez*



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*Corresponding author



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ISSN 0957-4166