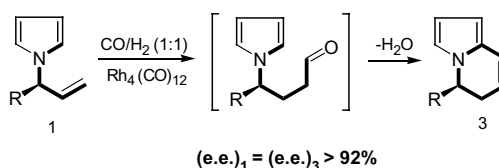


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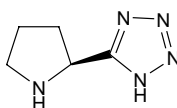
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- Rational design of asymmetric organocatalysts—increased reactivity and solvent scope with a tetrazolic acid** pp 1831–1834

Antti Hartikka and Per I. Arvidsson*

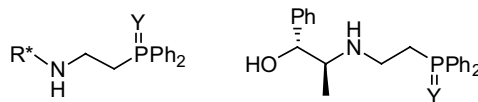


The tetrazolic acid function increases the reactivity and solvent scope of the widely used organocatalyst proline, as demonstrated in the direct catalytic asymmetric aldol reaction.

Mixed donor aminophosphine oxide ligands in ruthenium-catalysed asymmetric transfer hydrogenation reactions

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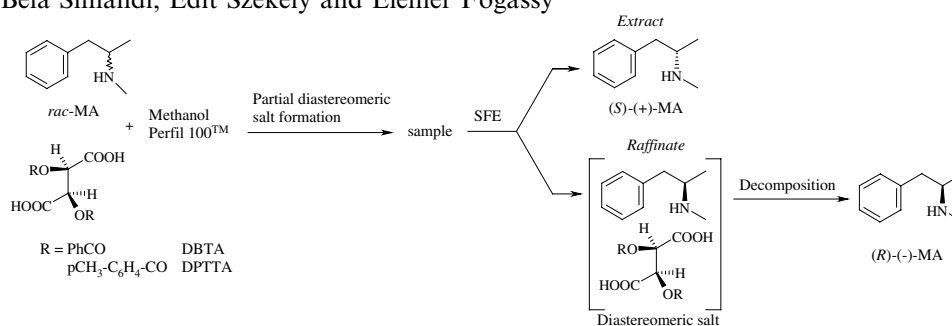


(R* = chiral group; Y = O or lone pair)

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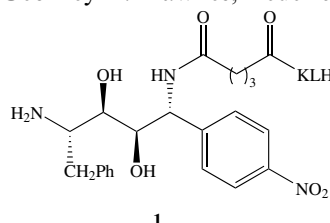
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Stereoselective synthesis of a novel pseudopeptide hapten for the generation of hydrolytic catalytic antibodies

pp 1847–1855

Ana Chiva Rodriguez, Anna Picó Ramos, Geoffrey E. Hawkes, Federico Berti and Marina Resmini*



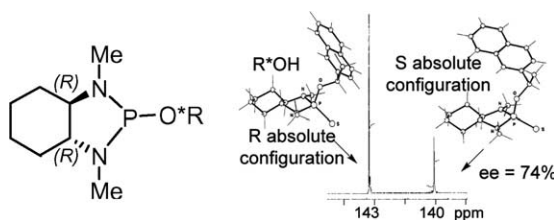
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The stereoselective synthesis of a novel hapten containing a 1,4-diamino-2,3-diolbutane core unit is described and the absolute stereochemistry of each stereogenic carbon atom has been assigned by nuclear Overhauser effect experiments carried out on a number of derivatives.

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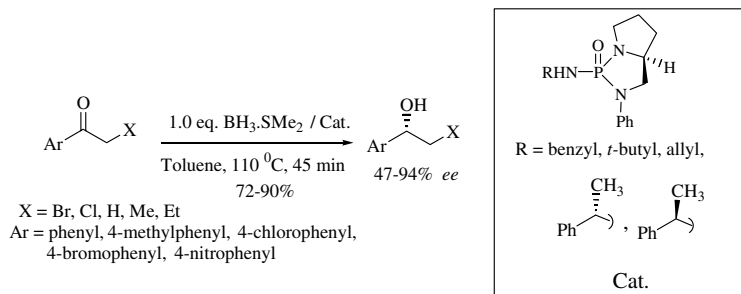
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Toward effective chiral catalysts containing the N–P=O structural framework for the borane-mediated asymmetric reduction of prochiral ketones

pp 1881–1888

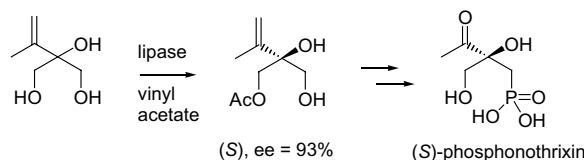
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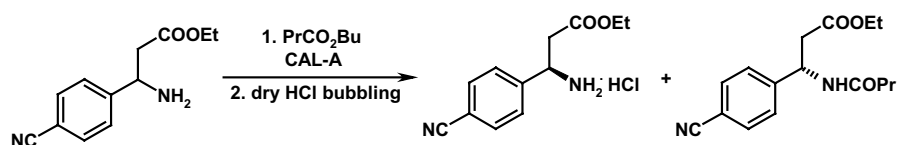
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Synthesis of the enantiomers and *N*-protected derivatives of 3-amino-3-(4-cyanophenyl)propanoic acid

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Magdolna Solymár, Liisa T. Kanerva and Ferenc Fülöp*

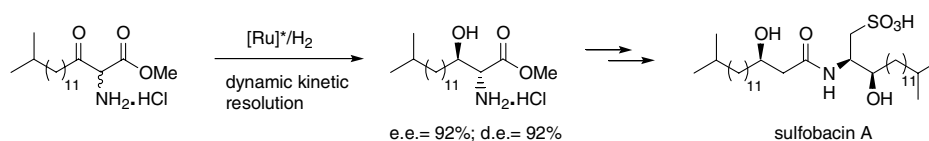


Both enantiomers of 3-amino-3-(4-cyanophenyl)propanoic acid were prepared with the aid of *Candida antarctica* lipase A (CAL-A) catalysis, and transformed to their Boc and Fmoc-protected derivatives.

Total synthesis of sulfobacin A through dynamic kinetic resolution of a racemic β-keto-α-amino ester hydrochloride

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Olivier Labeeuw, Phannarath Phansavath and Jean-Pierre Genêt*



 α -Amino acid-promoted asymmetric allylation of aldehydes with allylstannanes

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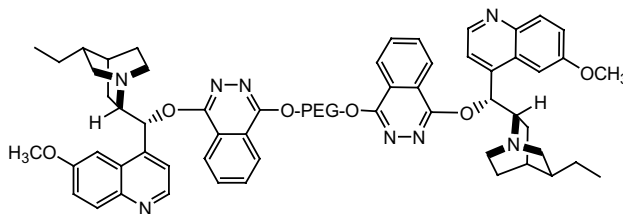
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A highly efficient and practical new PEG-bound bi-cinchona alkaloid ligand for the catalytic asymmetric aminohydroxylation of alkenes

pp 1915–1918

Xi-Wen Yang, Han-Quan Liu, Ming-Hua Xu* and Guo-Qiang Lin*

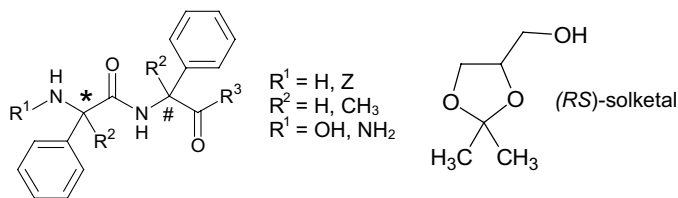


A new efficient PEG-bound bi-cinchona alkaloid ligand for homogeneous aminohydroxylation; it can be easily recovered and reused more than five times without any significant loss in its catalytic efficiency.

Exploring new dipeptides based on phenylglycine and C α -methyl phenylglycine as hosts in inclusion resolutions

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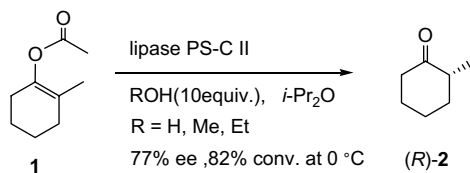
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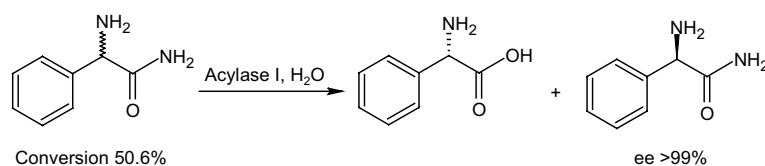
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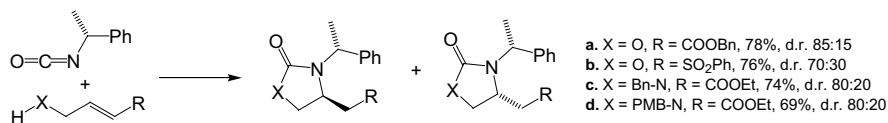
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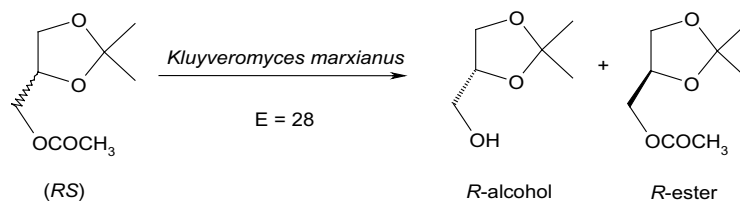
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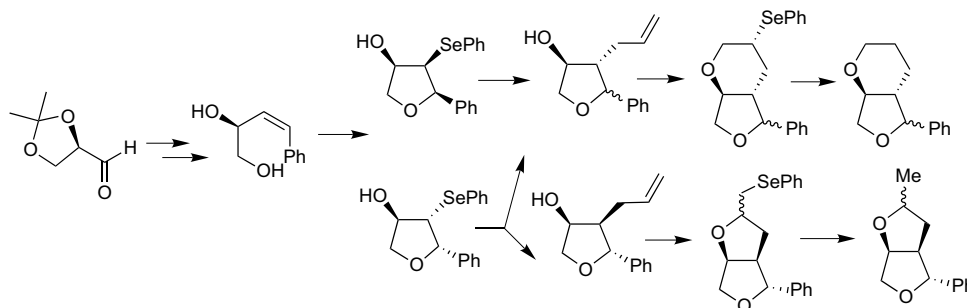
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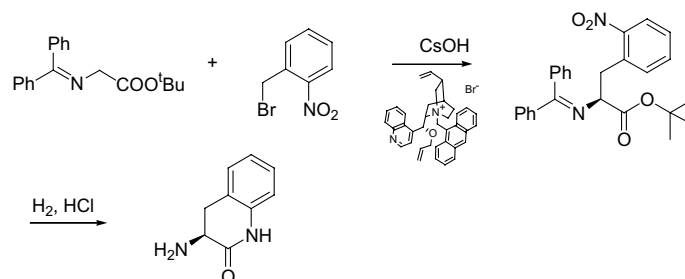


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