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Tetrahedron:
Asymmetry

Tetrahedron: *Asymmetry* Vol. 15, No. 12, 2004

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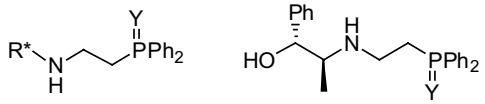
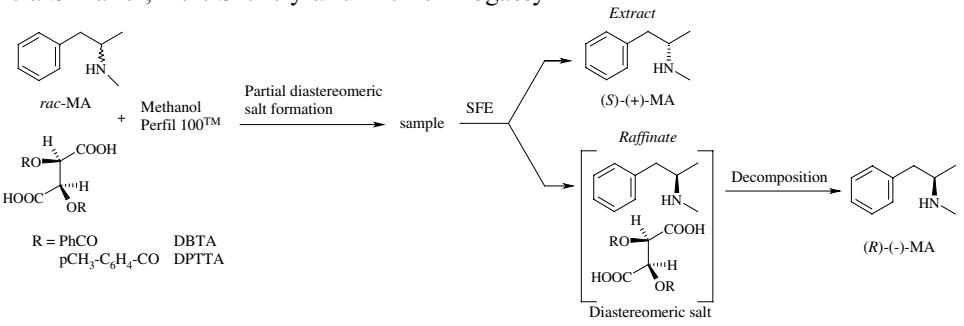
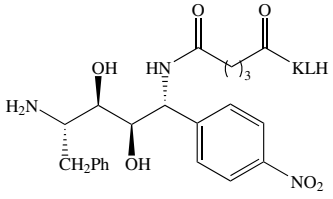
COMMUNICATIONS

ARTICLES



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





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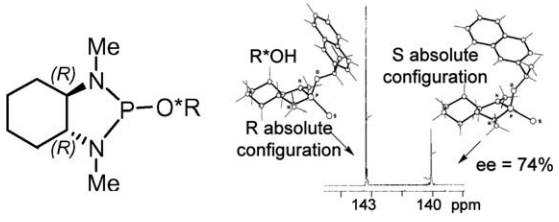
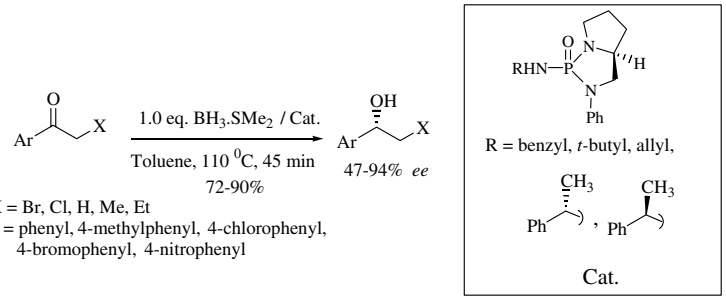
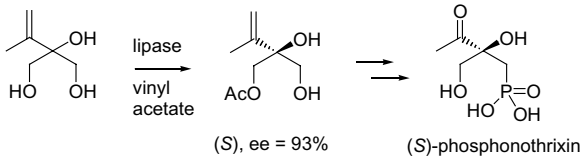
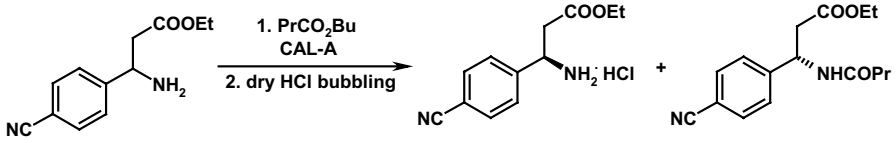
The stereoselective synthesis of a novel hapten containing a 1,4-diamino-2,3-diolbutane core unit is described and the absolute stereochemistry of each stereogenic carbon atom has been assigned by nuclear Overhauser effect experiments carried out on a number of derivatives.

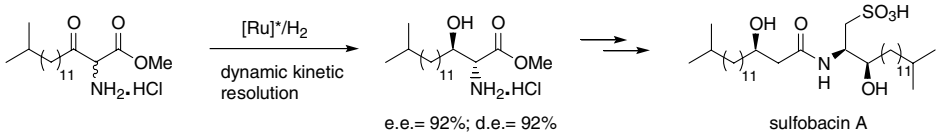


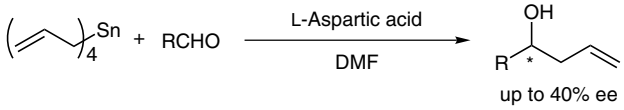


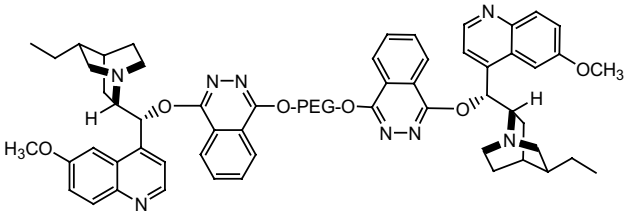




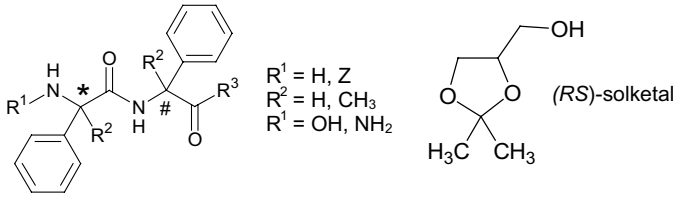
Both enantiomers of 3-amino-3-(4-cyanophenyl)propanoic acid were prepared with the aid of *Candida antarctica* lipase A (CAL-A) catalysis, and transformed to their Boc and Fmoc-protected derivatives.

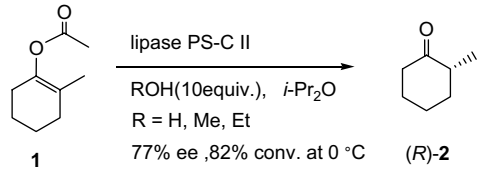


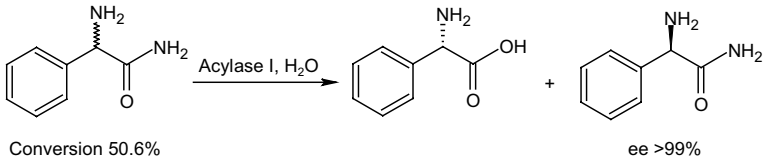


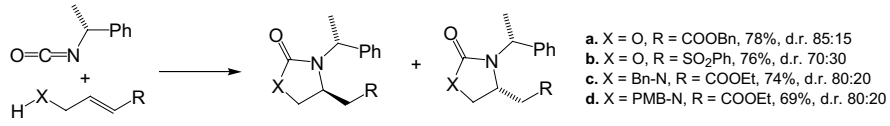


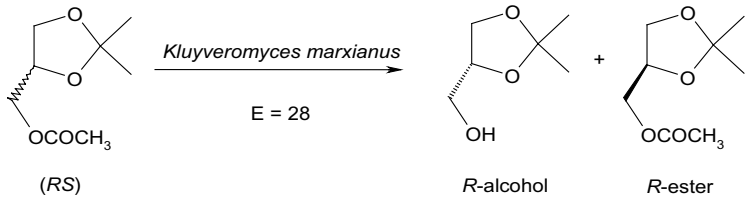
A new efficient PEG-bound bi-cinchona alkaloid ligand for homogeneous aminohydroxylation; it can be easily recovered and reused more than five times without any significant loss in its catalytic efficiency.

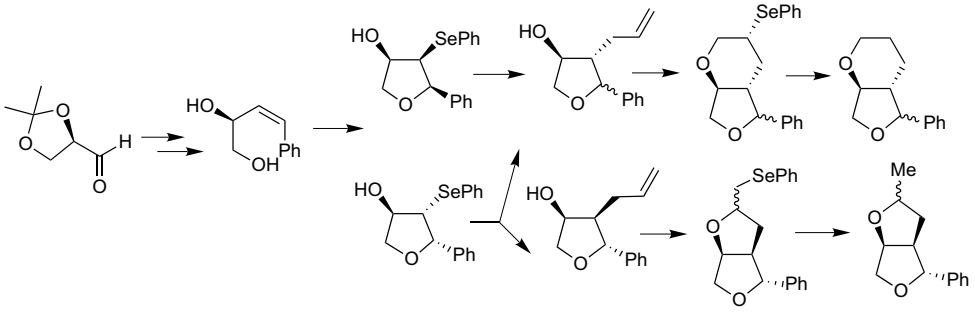


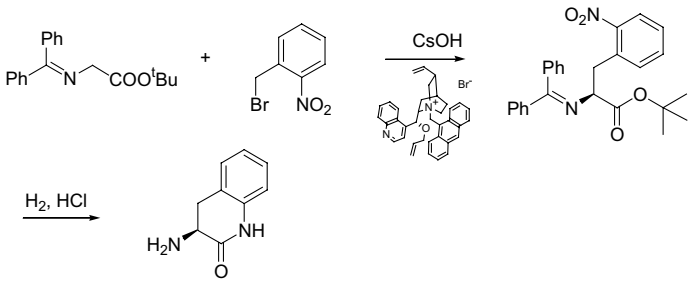












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