ELSEVIER

Tetrahedron:
Asymmetry

Tetrahedron: *Asymmetry* Vol. 15, No. 24, 2004

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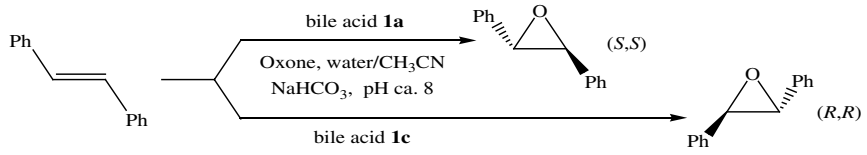

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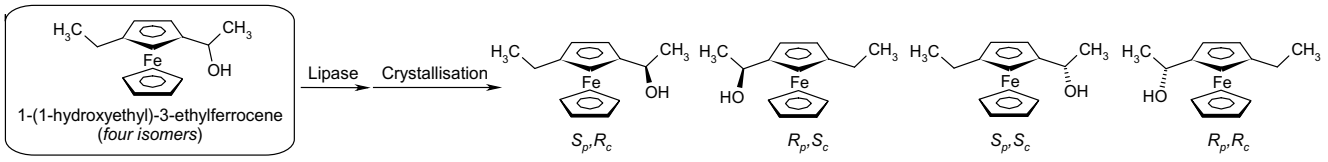
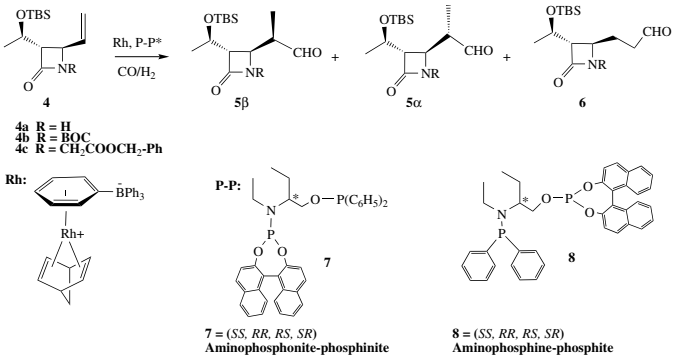
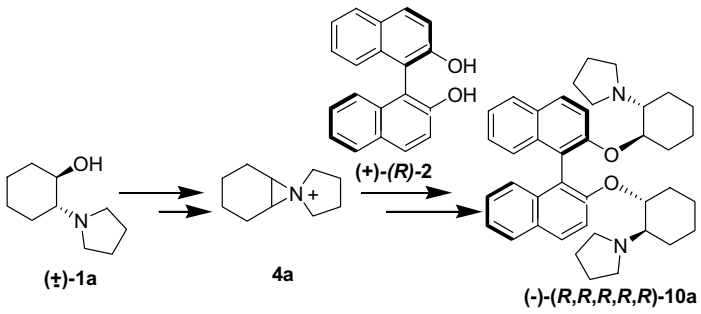
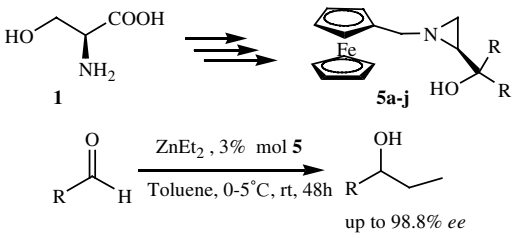
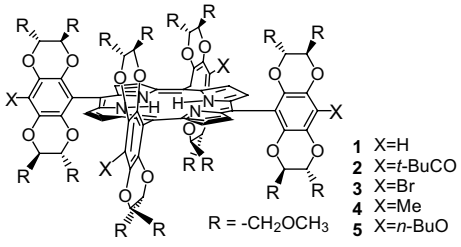
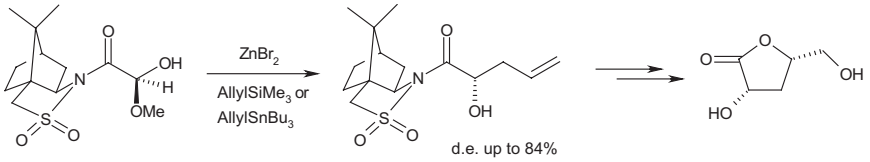


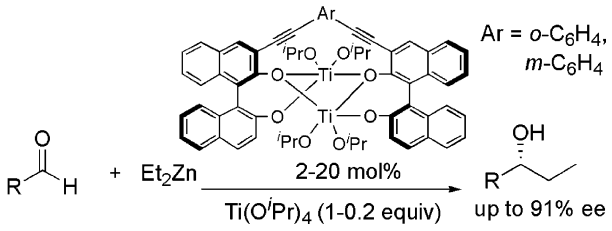




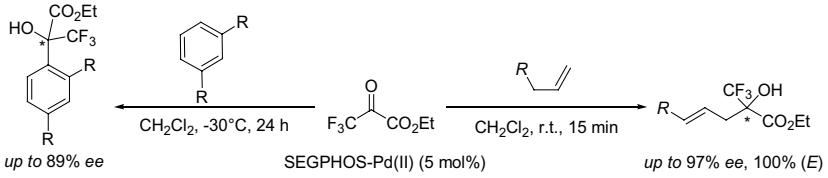


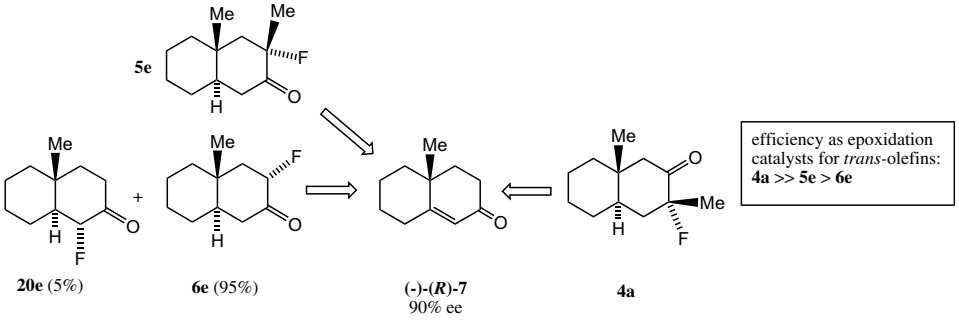


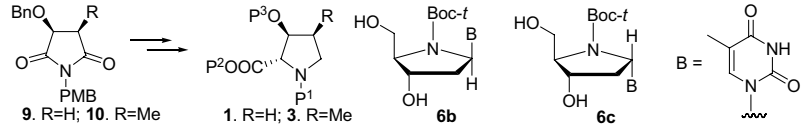


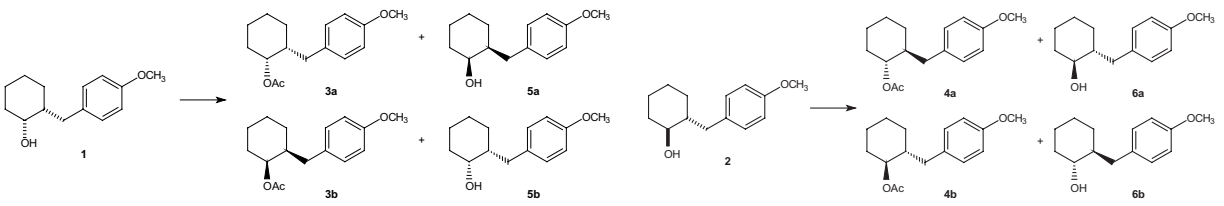


Dinuclear bis-BINOLate titanium(IV) complexes catalyzes asymmetric alkylation of aldehydes even in the presence of a reduced amount of titanium tetraisopropoxide (0.2 equiv).

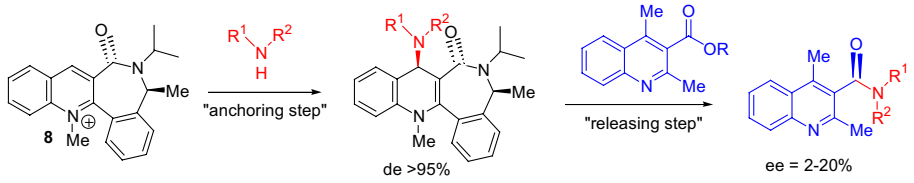


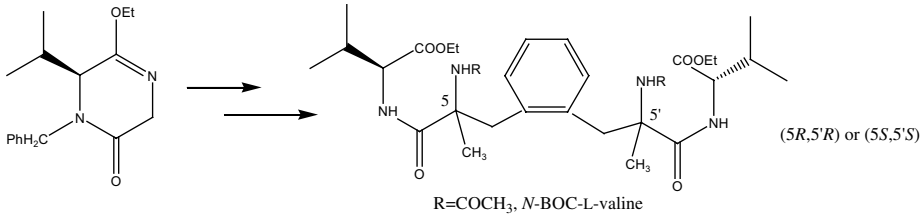


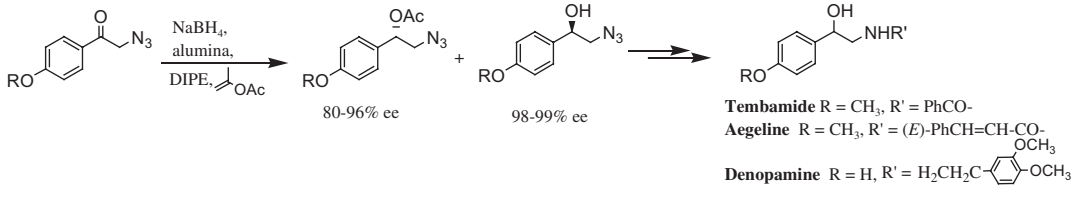


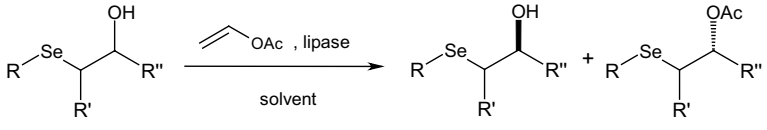


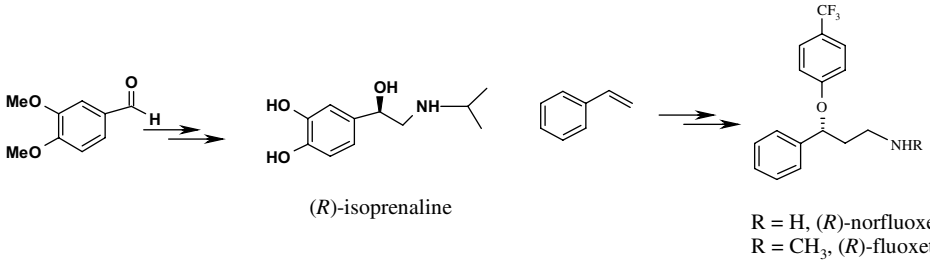
Several lipases were used for the kinetic resolution of the racemic *cis*- and *trans*-isomers of 2-(4-methoxybenzyl)cyclohexanol, by lipase-mediated esterification of the substrates to the corresponding acetate isomers. Lipase from *Rhizomucor miehei* was found to be the most efficient enzyme regarding enantiomeric excess (ee) and yield of the desired products.





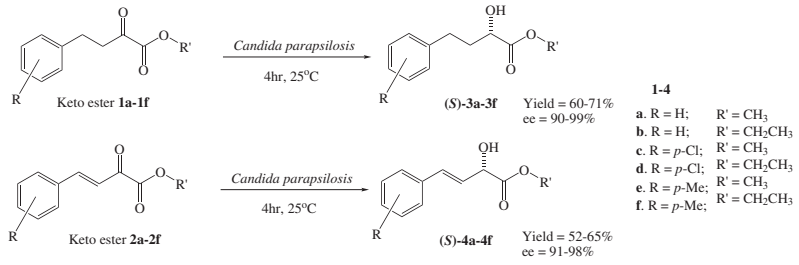


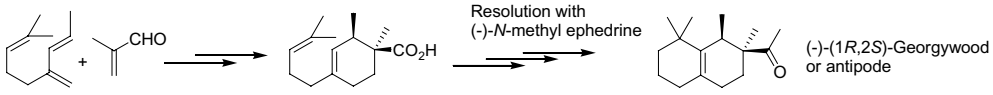


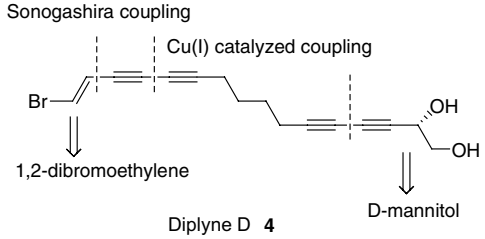


(*R*)-isoprenaline

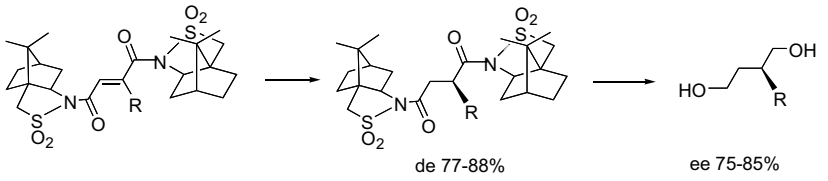
R = H, (*R*)-norfluoxetine
R = CH_3, (*R*)-fluoxetine

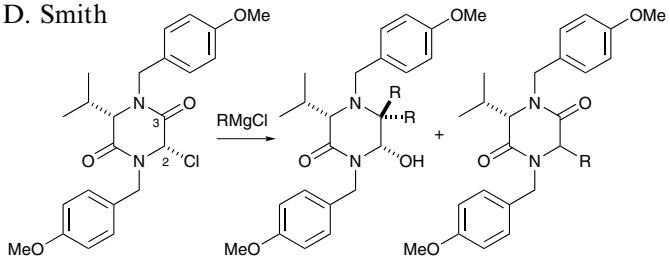






Diplyne D **4**





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*Corresponding author

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