Lipase-catalyzed stereoselective resolution and desymmetrization of binaphthols

Tetrahedron: Asymmetry *14 (2003) 289*

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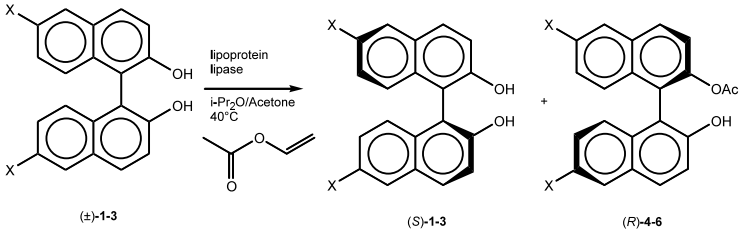

On the configuration of (3*R*,8a*S*)-5-oxo-3-phenyl-2,3,6,7,8,8a-hexahydro-5*H*-oxazolo[3,2-*a*]pyridine

Tetrahedron: Asymmetry *14 (2003) 293*

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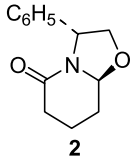

2

Configuration unambiguously proven by X-ray crystallography

Structural probing of D-fructose derived ligands for asymmetric addition of diethylzinc to aldehydes

Tetrahedron: Asymmetry *14 (2003) 297*

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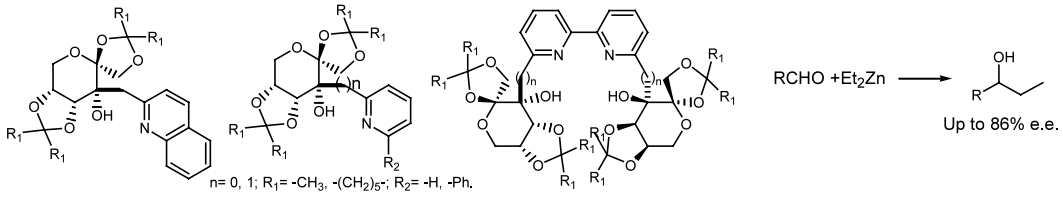

n= 0, 1; R_1= -CH_3, -$(CH_2)_5$-; R_2= -H, -Ph.

Stereoselective conjugate addition of diethylzinc to enones and nitroalkenes

Tetrahedron: Asymmetry *14 (2003) 305*

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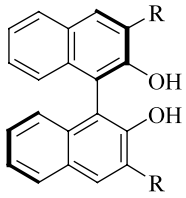
enones or β-nitroalkenes $\xrightarrow[Et_2Zn\ (3.0\ eq),\ solvent\ (0.1\ M),\ 0\ ^oC,\ 2h]{ligand\ (0.024\ eq),\ Cu\ salt\ (0.020\ eq)}$ 1,4-addition product

Ligand =



Lipase-catalyzed enantioselective transesterification toward esters of 2-bromo-tolylacetic acids

Tetrahedron: Asymmetry *14 (2003) 317*

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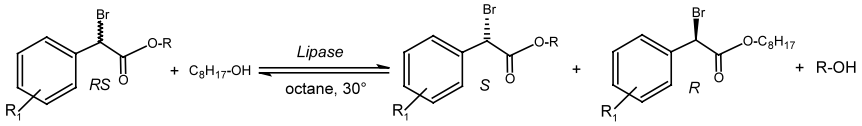

1: R_1= H, R= C_2H_5 **2**: R_1= *ortho*-CH_3, R =C_2H_5 **3**: R_1= *meta*-CH_3, R= C_2H_5 **4**: R_1= *para*-CH_3, R= C_2H_5
5: R_1= *ortho*-CH_3, R =CH_2-C_6H_5 **6**: R_1= *meta*-CH_3, R= CH_2-C_6H_5 **7**: R_1= *para*-CH_3, R= CH_2-C_6H_5

Australine and related alkaloids: easy structural confirmation by ^{13}C NMR spectral data and biological activities

Tetrahedron: Asymmetry *14 (2003) 325*

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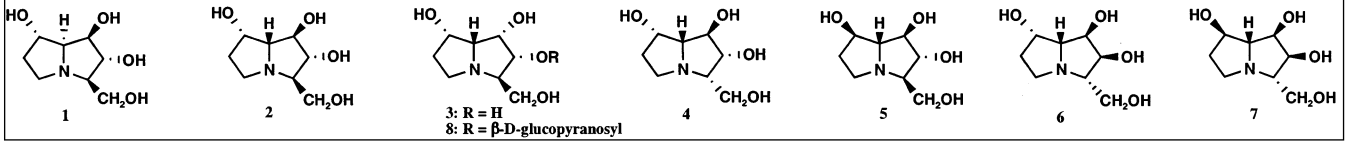

Amano PS-catalysed enantioselective acylation of (±)-α-methyl-1,3-benzodioxole-5-ethanol: an efficient resolution of chiral intermediates of the remarkable antiepileptic drug candidate, (−)-talampanel

Tetrahedron: Asymmetry *14 (2003) 333*

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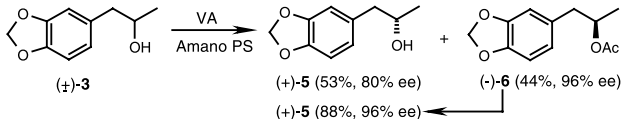

Synthesis of new sulfur-containing oxazoline ligands and their use in palladium-catalyzed allylic substitution

Tetrahedron: Asymmetry *14 (2003) 339*

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