Generation and fate of a novel homochiral mesoionic dipole: synthesis of *C*-nucleoside analogs

Tetrahedron: Asymmetry *13 (2002) 223*

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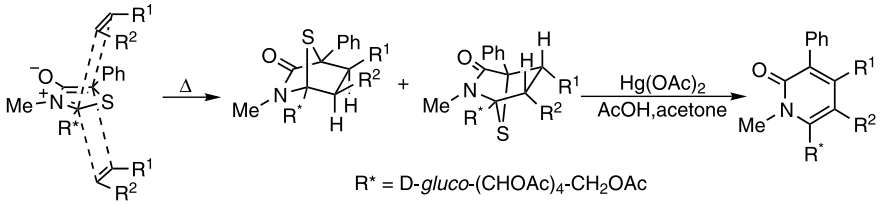

Influence of the C(4)–C(3)–C=O dihedral angle of chiral NADH mimics on the stereoselectivity of reductions

Tetrahedron: Asymmetry *13 (2002) 227*

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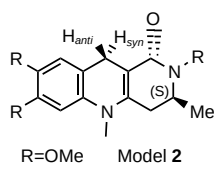

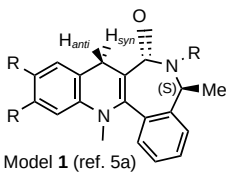

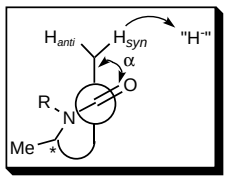

Reagent	C4-C3-C=O (α)	Yield[a]	e.e
Model 2	10-15°	90%	4%(R)
Model 1	45-50°	95%	84%(R)[b]

[a]Reduction of methyl benzoylformate
[b] result previously reported in ref. 5a

Diastereoselective synthesis of 4-substituted 2-amino-4-phosphonobutanoic acids

Tetrahedron: Asymmetry *13 (2002) 233*

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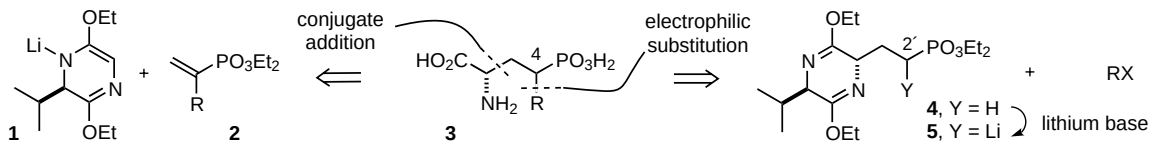

Stereoselective deamination of (5′*RS*)-5′-methyl-2′,3′-isopropylidene adenosine catalyzed by adenosine deaminase: preparation of diastereomerically pure 5′-methyl adenosine and inosine derivatives

Tetrahedron: Asymmetry *13 (2002) 239*

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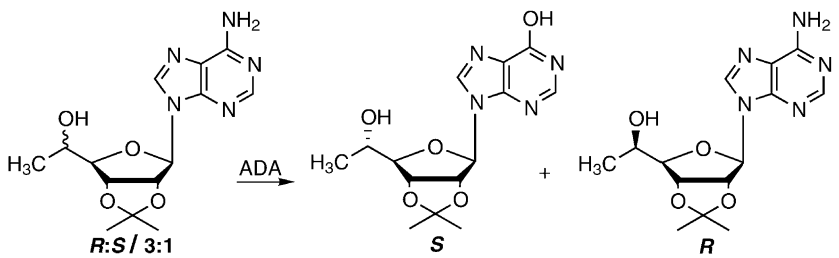
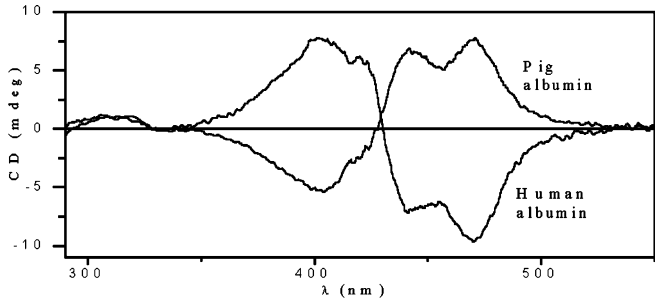
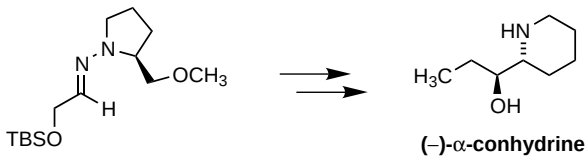
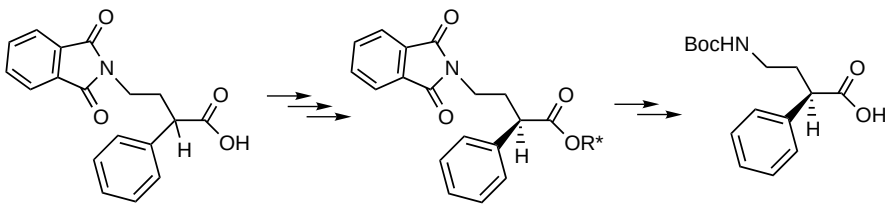
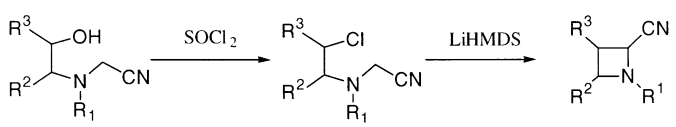






(–)-α-conhydrine
(d.e., e.e. >96%)





Tetrahedron: Asymmetry *13 (2002) 303*

Asymmetric synthesis of diarylmethylamines by diastereoselective addition of organometallic reagents to chiral *N-tert*-butanesulfinimines: switchover of diastereofacial selectivity

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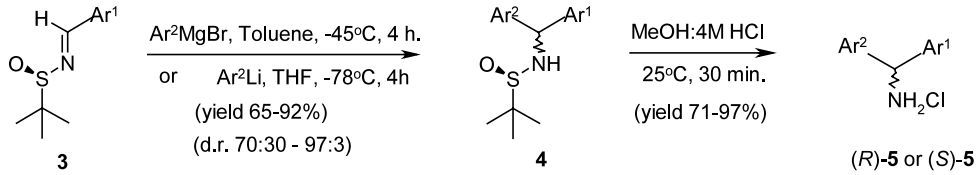

Tetrahedron: Asymmetry *13 (2002) 311*

Synthesis of enantiomerically enriched β-amino alcohol derivatives via asymmetric lithiation of *O*-benzyl carbamates–imine addition using (−)-sparteine complexes

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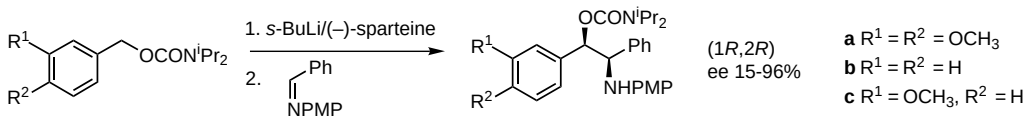

Tetrahedron: Asymmetry *13 (2002) 317*

Catalytic electronic activation: indirect Sharpless asymmetric epoxidation of enals

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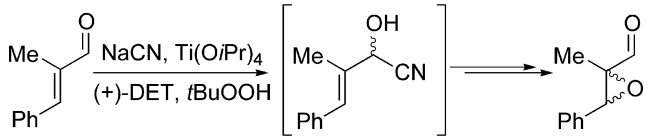

Tetrahedron: Asymmetry *13 (2002) 325*

Enhanced catalytic activity in asymmetric hydrosilylation of 1,3-dienes with a soluble palladium catalyst

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