Enzymatic transformations. Part 53: Epoxide hydrolase-catalysed resolution of key synthons for azole antifungal agents

Tetrahedron: Asymmetry *13 (2002) 2399*

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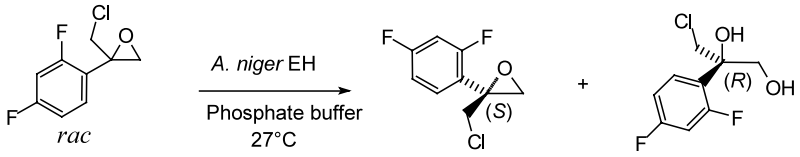

Stereodivergent syntheses of the first bis(cyclobutane) β-dipeptides

Tetrahedron: Asymmetry *13 (2002) 2403*

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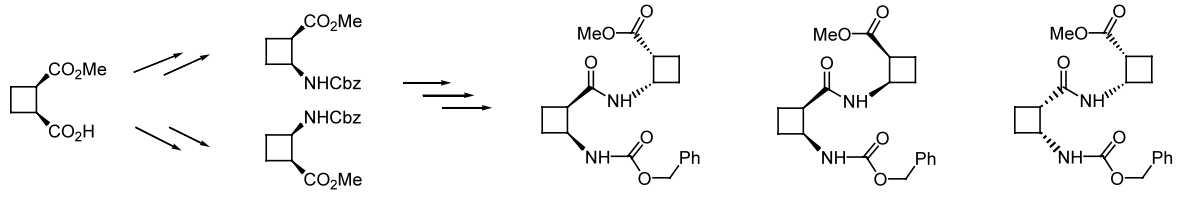

Asymmetric Diels–Alder reactions of *N*-sulfinyl dienophiles using chiral Ti(IV) Lewis acids

Tetrahedron: Asymmetry *13 (2002) 2407*

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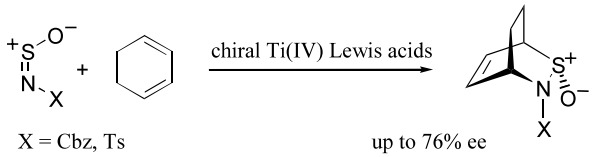

A practical stereoselective synthesis of secondary and tertiary aminonaphthols: chiral ligands for enantioselective catalysts in the addition of diethylzinc to benzaldehyde

Tetrahedron: Asymmetry *13 (2002) 2417*

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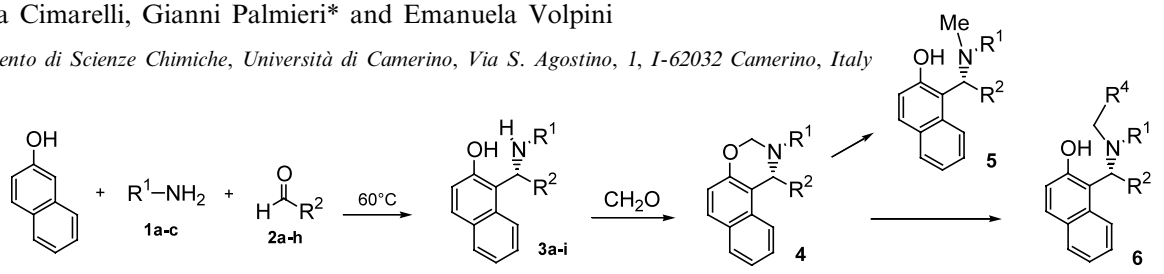

Chemoenzymatic synthesis of chiral enones from aromatic compounds

Tetrahedron: Asymmetry *13 (2002) 2453*

Valeria Schapiro,[a] Gabriel Cavalli,[a] Gustavo A. Seoane,[a,*] Ricardo Faccio[b] and Alvaro W. Mombrú[b]

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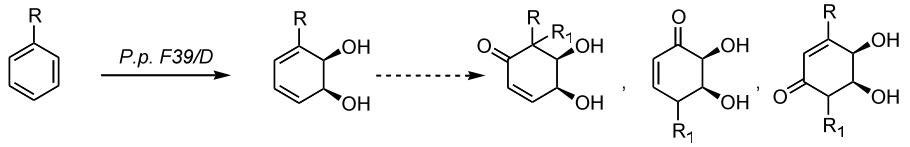

Optical activity of *vic*-amino alcohols in the presence of dimolybdenum tetracetate

Tetrahedron: Asymmetry *13 (2002) 2461*

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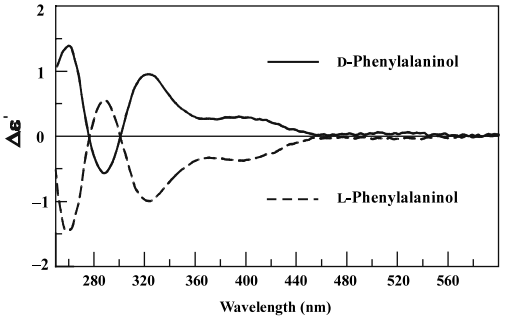
CD spectra of acyclic *vic*-amino alcohols of both ephedrine and adrenaline types with dimolybdenum tetraacetate acting as an auxiliary chromophore show four prominent bands in the 400–260 nm spectral region. Stereochemical assignment can be made on the basis of the proposed helicity rule connecting signs of the Cotton effects at around 280 and 330 nm with the P- or M-helicity of the N–C–C–O subunit.



Stereoselective synthesis of epoxyalkyl glycoside precursors of glycosyl glycerol analogues from alkenyl glycosides of *N*-acetyl-D-glucosamine derivatives

Tetrahedron: Asymmetry *13 (2002) 2471*

José M. Vega-Pérez,* José I. Candela, Eugenia Blanco and Fernando Iglesias-Guerra*

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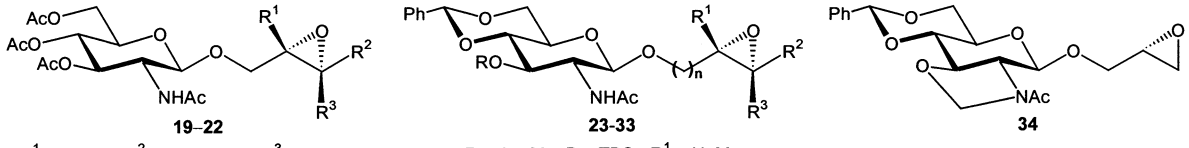

19–22

R^1 = H, Me, R^2 = H, Me, Ph, R^3 = H, Me

23-33

R = Ac, Me, Bn, TBS, R^1 = H, Me, R^2 = Me, Ph, R^3 = H, Me, n = 1, 2

34

Dynamic kinetic resolution–asymmetric transfer hydrogenation of 1-aryl-subsituted cyclic ketones

Tetrahedron: Asymmetry *13 (2002) 2485*

Nathaniel J. Alcock,[a] Inderjit Mann,[b] Philip Peach[a] and Martin Wills[a,*]

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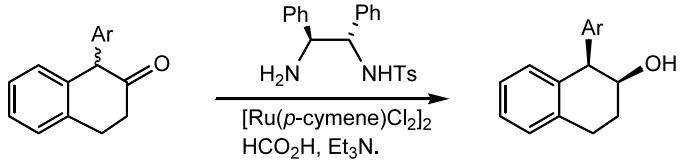

Up to 99% conversion, 99% e.e.

Diastereoselective nitrilimine cycloaddition to the C=N bond of enantiopure 1,4-benzodiazepinones

Tetrahedron: Asymmetry *13* (2002) 2491

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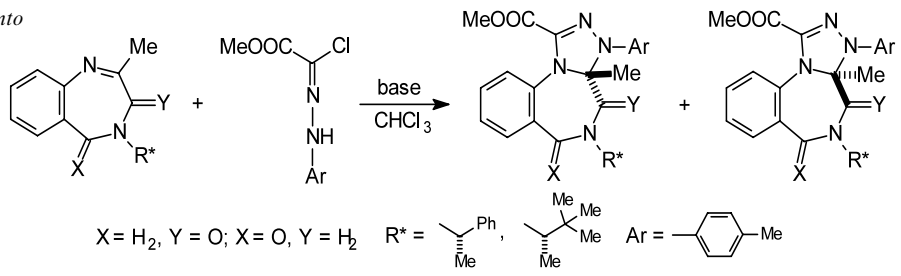

Enantioselective addition of organometallic compounds to 3,4-dihydroisoquinoline in the presence of oxazoline derivatives: synthesis of (*R*)-(+)- and (*S*)-(−)-salsolidine

Tetrahedron: Asymmetry *13* (2002) 2497

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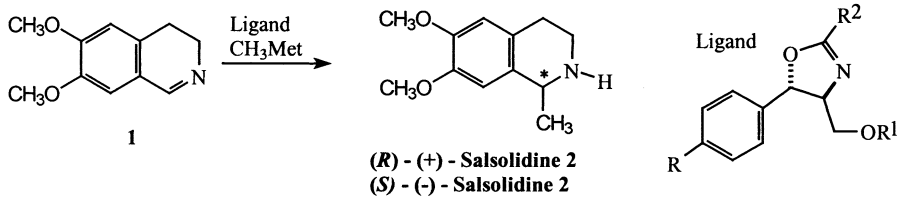

1

(*R*) - (+) - Salsolidine 2
(*S*) - (-) - Salsolidine 2

Lipase-catalyzed resolution of 1,3-dioxolane derivatives: synthesis of a homochiral intermediate for antifungal agents

Tetrahedron: Asymmetry *13* (2002) 2501

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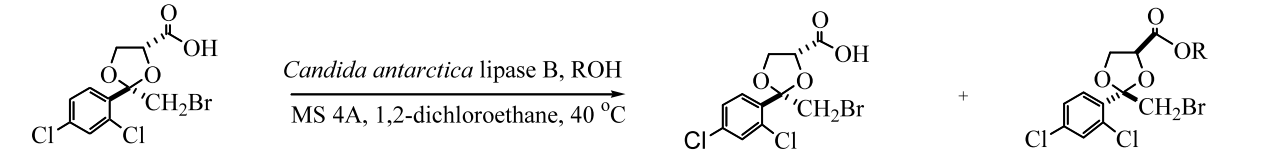

(±)-1,3-Dioxolane acid **2**

(+)-1,3-Dioxolane acid **2**

(−)-1,3-Dioxolane ester **3-8**

Enantiomerically pure *N*-Boc- and *N*-benzoyl-(*S*)-phenylglycinals

Tetrahedron: Asymmetry *13* (2002) 2509

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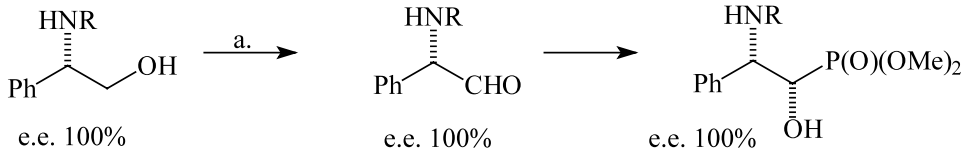

e.e. 100%

e.e. 100%

e.e. 100%

a. Dess-Martin periodinane, 23°C

R = PhC(O), *t*-BuOC(O)