

ELECTRONIC SUPPLEMENTARY INFORMATION (ESI)

Highly Enantioselective Dynamic Kinetic Resolution and Desymmetrization Processes by Cyclocondensation of Chiral Aminoalcohols with Racemic or Prochiral δ -Oxoacid Derivatives

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Typical experimental procedure

The chiral aminoalcohol (1.1 equiv) was added to a 0.3 M solution of the γ -oxo-acid derivative in anhydrous toluene, and the resulting mixture was heated at reflux with azeotropic removal of water produced with a Dean-Stark until no starting material was detected by TLC. The resulting crude mixture was concentrated under vacuum, the residue was dissolved in AcOEt, and the solution was poured into a 5% aqueous solution of NaHCO₃. The aqueous layer was extracted with AcOEt, and the combined organic extracts were dried (Na₂SO₄) and concentrated to give an oil, which was subjected to flash column chromatography (SiO₂). In some cases the SiO₂ was previously washed with a solution of Et₃N in hexane.



















































































