

Asymmetric α -amination of chiral protected β -hydroxyaldehydes catalyzed by proline

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Description

Proline-catalyzed α -amination of a variety of chiral β -hydroxyaldehydes followed by reduction step afforded the corresponding chiral 2-hydrazino-1, 3-diols in good yields, enantioselectivities and diastereoselectivities.