Frustrated Lewis pairs-assisted reduction of carbonyl compounds - DTU Orbit (04/12/2018)

Frustrated Lewis pairs-assisted reduction of carbonyl compounds

An alternative and robust method for the reduction of carbonyl groups by frustrated Lewis pairs (FLPs) is reported in this paper. With its very mild reaction conditions, good to excellent yields, absolute regioselectivity and the non-metallic character of the reagent, it provides an excellent tool for H-1, H-2 as well as H-3 chemistry. It is a new strategy for the one-pot synthesis of aromatic alcohols selectively labeled with heavy isotopes of hydrogen. © 2015 Elsevier Ltd. All rights reserved.

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