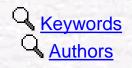
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Scientific Journals Home Page Direct reductive amination of carbonyl compounds using sodium borohydride-silica chloride

Direct reductive amination of carbonyl compounds using sodium borohydride-silica chloride Heshmatollah ALINEZHAD, Mahmood TAJBAKHSH, Neda HAMIDI Faculty of Chemistry, Mazandaran University, Babolsar-IRAN e-mail: heshmat@umz.ac.ir

Abstract: A simple and convenient procedure for reductive amination of aldehydes and ketones using sodium borohydride in the presence of silica chloride as an active, inexpensive, recoverable, and recyclable catalyst is described. The reactions were carried out with equimolar amounts of amine and carbonyl compound using silica chloridesodium borohydride in THF at room temperature.

Key Words: Reductive amination, silica