

عنوان مقاله:

Direct reductive amination of aldehyde compounds using sodium borohydride-Aluminum hydroxide as a novel and selective reduction medium

محل انتشار:

اولین همایش ملی فناوری های نوین در شیمی و مهندسی شیمی (سال: 1392)

تعداد صفحات اصل مقاله: 6

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خلاصه مقاله:

Reduction is one of the most fundamental and useful reactions in organic synthesis. Sodium borohydride is an inexpensive, safe to handle, environmental friendly and green reducing agent for the reductive amination of aldehydes and ketones. In this work Various carbonyl compounds such as different functionalized aldehydes, were reduced efficiently by NaBH₄/Al(OH)₃ system under similar reaction condition. The remarkably accelerated rate of reduction of benzaldehyde and the optimum amounts of products was achieved successfully at room temperature.

کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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