

عنوان مقاله:

P_2O_5/Al_2O_3 as an efficient catalyst for one-pot synthesis of polyhydroquinoline derivatives under solvent-free conditions

محل انتشار:

کنفرانس ملی سنتز آلی و شیمی دارویی (سال: 1392)

تعداد صفحات اصل مقاله: 8

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خلاصه مقاله:

The condensation of aromatic aldehydes, dimedone, ethylacetoacetate and ammonium acetate promoted by phosphorus pentoxide supported on alumina carried out under solvent-free conditions to afford corresponding polyhydroquinoline derivatives. This method provides several advantages including high yields, low reaction times, easy work up and little catalyst loading.

کلمات کلیدی:

Polyhydroquinoline, Solvent-free, Multicomponent reactions, Phosphorus pentoxide supported on alumina

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