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Synthesis of tetrahydropyridines by one-pot multicomponent reaction using nano-sphere silica sulfuric acid

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Abstract

A highly efficient protocol for the synthesis of 1,2,3,4-tetrahydropyridines in the presence of nano-sphere silica sulfuric acid (NS-SSA) was used for good yields by one-pot multicomponent reaction (MCRs). The reagent nano-sphere silica sulfuric acid (NS-SSA) has several advantages, such as easy workup, nontoxicity, convenience and high yields of products.

Keywords: Tetrahydropyridines, Nano-sphere silica sulfuric acid, Multicomponent reaction.