

عنوان مقاله:

AlCl₃/SiO₂ nano particles as a reusable catalyst for the synthesis of Synthesis of 14aryl-14H-dibenzo [a,j]xanthenes

محل انتشار:

اولین سمپوزیوم بین المللی نانو تکنولوژی (سال: 1395)

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خلاصه مقاله:

The synthesis of 14-aryl-14H-dibenzo[a,j]xanthenes(3) has attracted considerable attention in organic synthesis. In this article, aromatic aldehydes have been employed with 2-naphthol in the presence of AlCl₃/SiO₂ NPs under solvent-free conditions to afford the corresponding benzoxanthenes in very good yields. The use of readily available AlCl₃/SiO₂ NPs as a reusable and recyclable catalyst makes this process quite simple, convenient, and environmentally friendly.

کلمات کلیدی:

AlCl₃/SiO₂ NPs, Dibenzoanthenes, Solvent-free, Synthesis

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