عنوان مقاله:

Nano-Cerium Oxide/Aluminum Oxide as an Efficient Catalyst for the Synthesis of Xanthene Derivatives as Potential Antiviral and Anti-Inflammatory Agents

محل انتشار:

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خلاصه مقاله:

Xanthenes have been considered in medicine and biology. Their medicinal properties include antiviral, antibacterial, anti-inflammatory, and therapeutic photodynamic activities, as well as the antagonist for paralytic action. ۱,۸-Dioxo-octahydroxanthenes have synthesized good yields via a reaction of aldehydes and dimedone in the presence of cerium oxide/aluminum oxide nano-catalyst as a catalyst. High efficiency, short time and reuseability of catalyst are the advantages of this method.

کلمات کلیدی:

Multicomponent reactions (MCRs), nano- cerium oxide/aluminum oxide, Xanthenes derivatives, One-pot synthesis, anti-inflammatory agents