

عنوان مقاله:

Synthesis of 2-arylbenzimidazole derivatives using nano montmorillonite clay as an efficient catalyst

محل انتشار:

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خلاصه مقاله:

Benzimidazoles are among the most important nitrogen-containing heterocyclic compounds that have many pharmaceutical applications, including antitumor, anticancer, anticorrosive, antibacterial, irritant and enzymatic interceptors. In this research, the synthesis of benzimidazoles by using o-phenylenediamine and aldehyde derivatives in the presence of the nano montmorillonite in solvent-free and room temperature conditions has been investigated. All products with relatively good yields were identified by spectroscopic and melting point methods.

کلمات کلیدی:

Nano montmorillonite clay, benzimidazoles, solvent-free conditions, heterocyclic compounds

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