

عنوان مقاله:

Synthesis of 2-aryl-1H-benzo[d]imidazole 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 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 spectral and physical methods.

کلمات کلیدی:

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

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