

عنوان مقاله:

Synthesis of Pyridopyrimidine-Indole Hybrids Using $\gamma\text{-Fe}_2\text{O}_3\text{@HAp@PBABMD@Cu}$ as Efficient Magnetic Nanocatalyst

محل انتشار:

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خلاصه مقاله:

A novel and practical method for the synthesis of pyridopyrimidine-indole hybrids, using a three-component reaction of thiouracil or 6-amino-N,N-dimethyluracil, various aryl aldehydes and 3-cyanoacetyl indole in the presence of a green heterogeneous nano-catalyst $\gamma\text{-Fe}_2\text{O}_3\text{@HAp@PBABMD@Cu}$ was developed. This protocol furnished the desired (products in high yields (82-95%) and lower reaction times (18-40 min).

کلمات کلیدی:

Pyridopyrimidine, 3-Cyanoacetylindole, 6-Amino-N, N-dimethyluracil, Nanocatalyst, $\gamma\text{-Fe}_2\text{O}_3\text{@HAp@PBABMD@Cu}$

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