

عنوان مقاله:

One-pot, four component synthesis of pyrazolo[4',3':5,6]pyrido[2,3-d]pyrimidines derivatives

محل انتشار:

نشریه آسیایی شیمی سبز, دوره 2, شماره 4 (سال: 1397)

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خلاصه مقاله:

A green approach to synthesis of the polyfunctionalized pyrazole [4',3':5,6]pyrido[2,3-d] pyrimidines derivatives was successfully achieved via one-pot, four component reactions of β -aminocrotonitrile, phenylhydrazine, arylglyoxals, barbituric acid derivatives in the presence of TEA (Triethylamine) as a catalyst in water under the reflux conditions. This protocol provided mild reaction conditions, short reaction times, high yields, low cost, easy isolation of products .and possible biological, and pharmaceutical activities

کلمات کلیدی:

(β -Aminocrotonitrile Arylglyoxal ۱, ۳-Dimethylbarbituric acid Thiobarbituric acid TEA (triethylamine)

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