

عنوان مقاله:

The Use of Silica@Zn²⁺ as an efficient catalyst in Diels–Alder reactions

محل انتشار:

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تعداد صفحات اصل مقاله: 5

نویسندگان:

G. Mohammadi Ziarani - *Department of Chemistry, Faculty of physics and Chemistry, Alzahra University, Tehran, Iran*

Soheila Afsharnia - *Department of Chemistry, Faculty of physics and Chemistry, Alzahra University, Tehran, Iran*

alireza badiei - *School of Chemistry, College of Science, University of Tehran, Tehran, Iran*

Negar Lashgari - *Department of Chemistry, Faculty of physics and Chemistry, Alzahra University, Tehran, Iran*

خلاصه مقاله:

In this study, the application of the Diels-Alder cycloaddition reactions between methyl acrylate and cyclopentadiene has been studied using a silica-supported catalyst with various concentrations of Zn²⁺ ion (Silica@Zn²⁺) as Lewis acid catalyst without using the solvent. The effective role of silanol groups in increasing stereoselectivities of products was also studied.

کلمات کلیدی:

Diels-Alder reaction, Silica support, Cyclopentadiene, Methylacrylate, Silica@Zn²⁺

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