

## عنوان مقاله:

A DFT study on the mechanism of three-component reaction between Cyclohexyl Isocyanide, dimethyl acetylenedicarboxylate and 2- mercaptobenzoxazole

## محل انتشار:

هجدهمین همایش شیمی فیزیک ایران (سال: 1394)

تعداد صفحات اصل مقاله: 2

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## خلاصه مقاله:

Multicomponent reactions (MCRs), which have more than two reactants in a sequential fashion to give products that retain the majority of the atoms of the starting materials, can lead to valuable heterocyclic scaffolds in a rapid and highly selective manner, and thus have attracted more and more attention over the past decades [1-3]. Due to the extraordinary function of isocyanide derivatives, isocyanide-based MCRs are frequently exploited, and some examples of the MCRs using isocyanide as a component have been reported in recent years [4,5]. We attempt to explore the mechanism of the reaction of cyclohexyl Isocyanide and diamethyl acetylenedicarboxylate with 2-Mercaptobenzoxazole.

## کلمات کلیدی:

لینک ثابت مقاله در پایگاه سیویلیکا:

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