

عنوان مقاله:

KINETICS OF REACTION BETWEEN DMAD AND MELDRUM'S ACID IN THE PRESENCE OF TRIPHENYLARSINE

محل انتشار:

سومین همایش ملی تکنولوژی های نوین در شیمی، پتروشیمی و نانو ایران (سال: 1395)

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خلاصه مقاله:

The kinetics and mechanistic investigation of the reaction between dimethyl acetylenedicarboxylate (DMAD) and Meldrum's acid has been studied in ethanol environment with triphenylarsine as a catalyst using UV/vis spectrophotometry. The reaction followed second order kinetics. In the kinetics study, activation energy and parameters (E_a , ΔH^\ddagger , ΔS^\ddagger and ΔG^\ddagger) were determined. Also, reaction rate is accelerated by increasing the temperature and the dielectric constant of solvent

کلمات کلیدی:

Kinetics; Mechanism; UV Spectroscopy, Meldrum's acid

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