

عنوان مقاله:

Investigation of Stability of Alkenes

محل انتشار:

اولین همایش ملی تکنولوژی های نوین در شیمی و پتروشیمی (سال: 1393)

تعداد صفحات اصل مقاله: 2

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خلاصه مقاله:

A general method for determining the relative stability of alkenes using hydrogenation reaction with H₂ gas in the presence of a catalyst such as Palladium or Platinum. Substituent at the double bond of the alkene double bond as well as the geometric position of the alkenes are more stable. The general rule is that the stability of the following alkenes follows. In this paper, by using Gaussian program and calculate ΔH_0 for each reaction to hydrogenation, we have gained a stability rate.

کلمات کلیدی:

stability alkene, DFT, ΔH_0 and ΔG_0 , hydrogenation reaction

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