

MINDO Forces Study of the Uncatalysed and Acid-Catalysed Friedel-Crafts Reactions Between CH₃F and CH₄

Amel G. Abed and Salim M. Khalil

Chemistry Department, College of Science, University of Mu'tah, P.O. Box 7; Karak, Jordan

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MINDO-forces calculations have been performed on the uncatalysed and acid-catalysed Friedel-Crafts reaction between CH₃F and CH₄. It has been found that the catalysed reaction is exothermic, spontaneous and has a smaller potential-energy barrier than the uncatalysed reaction. The mechanisms for uncatalysed and catalysed reactions are discussed.

Key words: Melting; Liquid Structure; Molecular Liquids

Reprint requests to Prof. S. M. Khalil; Fax: 962 6 4654061