

Reaction of cyclohexane by the aprotic catalyst

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Activation and acid-catalyzed hydrocarbon transformation of cyclohexane with aprotic catalyst were investigated. The relative importance of the various activation pathways of the alkane is discussed on the basis of the material balance in the product distribution. The products of transformation depend on the strength of acidity, and the selectivity of the transformation depends on very much on the experimental procedure. The mechanism of the formation of products involving reaction yields and conditions is indicated.