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Quantitative evaluation of the effect of the medium on the thermodynamic parameters of conformational transitions of substituted 1,3-dioxanes in solutions and gases with PMR data

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Abstract

It was shown that the reaction field model satisfactorily describes the thermodynamic parameters of conformational equilibrium of 2-acetyl-substituted 1,3-dioxanes both as a function of the properties of the solvent and the phase state of the compound studied. Quantitative agreement was obtained between the experimental and theoretical values. © 1992 Plenum Publishing Corporation.

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