

Bulletin of the Academy of Sciences of the USSR Division of Chemical Science 1991 vol.40 N8,
pages 1577-1583

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

Latypov S., Klochkov V., Il'yasov A., Aganov A.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

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.

<http://dx.doi.org/10.1007/BF01172254>
