

Bulletin of the Academy of Sciences of the USSR Division of Chemical Science 1985 vol.34 N2,
pages 288-292

Evaluation of solvent effects on parameters of conformational equilibrium on the basis of ^1H NMR data in the example of 1,3,2-dioxaphosphorinanes

Klochkov V., Aganov A., Samitov Y., Arbuzov B.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

1. By means of NMR, experimental data have been obtained on the dependence of conformational equilibrium parameters on the type of solvent. 2. The corrections arising as a consequence of the temperature dependence of the solvent permittivity ϵ_{open} are small in comparison with the generally accepted errors in determining the thermodynamic quantities of the conformational equilibrium. © 1985 Plenum Publishing Corporation.

<http://dx.doi.org/10.1007/BF00951270>
