

The conformational analysis of 3-hydroxytetrahydro-1,3-oxazines by NMR spectroscopy

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ABSTRACT

The stereochem. of the preferred conformers of several 3-hydroxytetrahydro-1,3-oxazines has been established by NMR spectroscopy. Strong anomeric effect stabilizes the conformation having equatorial orientation of the lone pair on nitrogen. Nitrogen inversion process was found to be the rate limiting process in the conformational equil.