

The effect of reflection in derivatives of tetramethyltetrahydrothiopyran-4-one

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Abstract

1. The conformation of 2, 2, 6, 6-tetramethyl- and tetrahydrothiopyran-4-ones, their 1-oxides and 1,1, -dioxides was investigated by the method of dipole moments, as well as by the method of energy consideration. 2. All these compounds have a chair conformation. The introduction of gem-dimethyl groups into the 3-position with respect to the C=O group in the tetrahydrothiopyran-4-one ring produces a negligible deformation of the chair conformation (the effect of reflection). © 1970 Consultants Bureau.

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