

Stereochemistry of seven-membered heterocycles Communication 12. Flexible form of tetrachlorophthalylformal and dipole moment of COCOC fragment in γ_1 conformation

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Abstract

1. According to IR and ^{13}C NMR spectroscopic data, tetrachlorophthalylformal exists in the flexible form. 2. By the use of tetrachlorophthalyl sulfite as a model compound, the relative conformational energy of the tetrachloro-*o*-xylylene fragment has been determined to be -0.70 ± 0.15 kcal/mole. 3. The group DM of the COCOC fragment in the γ_1 conformation has been determined experimentally, and its components have been analyzed. © 1984 Plenum Publishing Corporation.

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