

Geometrical structures of phosphoruscontaining heterocyclic compounds 19. Polarity and polarizability anisotropy of the phosphorus bonds in 2-hydro-2--xo-1,3,2-dioxaphosphorinanes

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Abstract

1. Polarization and polarizability parameters have been determined for phosphoryl bonds in axial and equatorial positions. 2. Components of the polarizability ellipsoid for the P-H bond have been calculated. 3. 2-Hydro-2-oxo-5,5-dimethyl-1,3,2-dioxaphosphorinane exists as an equilibrium mixture of conformers, 80-90% equatorial and 20-10% axial. © 1978 Plenum Publishing Corporation.

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