

Spatial structures of phosphorus-containing heterocycles - 12. Bond polarities and conformations of the 2-dialkylamino-2-oxo-1,3,2-dioxaphosphorinanes

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Abstract

1. A determination has been made of the dipole moments of the phosphoryl group in the axial and equatorial chair conformations of 2-dialkylamino-2-oxo-1,3,2-dioxaphosphorinane. 2. The phosphoryl bond has predominantly axial orientation in 2-dialkylamino-2-oxo-1,3,2-dioxaphosphorinanes. 3. A determination has been made of the preferred conformations of axial and equatorial NMe₂ groups. © 1977 Plenum Publishing Corporation.

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