

The steric structure of phosphorus-containing heterocycles - Communication 9. Dipole moments of 2-diethylamino-1,3,2-dioxaphosphorinanes

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Abstract

1. The dipole moments of 2-diethylamino-1,3,2-dioxaphosphorinane, 3,9-bis-(N-diethylamino)-2,4,8,10-tetraoxa-3,9-diphosphaspiro[5,5]undecane, stereoisomeric 2-diethylamino-4-methyl-1,3,2-dioxaphosphorinanes, and 2-diethylamino-5-nitro-5-methyl-1,3,2-dioxaphosphorinane were determined. 2. The dipole moments of the P-O and P-N bonds in these compounds were determined by a graphical method, and the preferential equatorial orientation of the diethylamino group was established. © 1975 Plenum Publishing Corporation.

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