

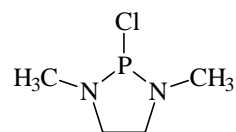
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**C<sub>4</sub>H<sub>10</sub>ClN<sub>2</sub>P**

**2-Chloro-1,3-dimethyl-1,3,2-diazaphospholidine**

**C<sub>s</sub>**

$r^a)$	Å $b)$	$\theta^a)$	deg $b)$
C–H	1.10 $^c)$	N–P–Cl	102(3)
C–C	1.54 $^c)$	C–C–N	106.2(25)
C–N	1.47 $^c)$	C(methyl)–N–P	118.8(40)
P–N	1.68 $^c)$	C(methyl)–N–C	118.8(40)
P–Cl	2.19(3)	C–N–P	113.7(20)
		C–C–H	109 $^c)$
		N–C–H	109 $^c)$
		$\varphi^d)$	28.8



The best agreement with the experimental data was obtained by an envelope model with axial P–Cl bond and equatorial methyl groups.

The temperature of the measurement was not stated, probably room temperature.

<sup>a)</sup> Unidentified, possibly  $r_a$  and  $\theta_a$ .

<sup>b)</sup> Uncertainties are larger than those listed in the original data.

<sup>c)</sup> Assumed.

<sup>d)</sup> Dihedral angle between the NPN and NCCN planes; dependent parameter.

Naumov, V.A., Gulyaeva, N.A., Pudovik, M.A.: Dokl. Akad. Nauk SSSR **203** (1972) 590;  
Proc. Acad. Sci. USSR (Engl. Transl.) **203** (1972) 259.