

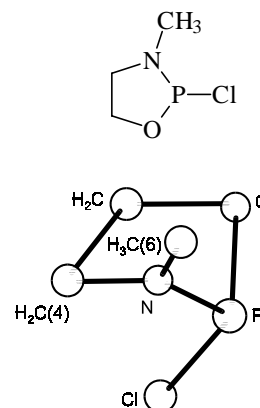
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C₃H₇ClNOP

2-Chloro-3-methyl-1,3,2-oxazaphospholane

C₁

$r^a)$	$\text{\AA}^b)$	$\theta^a)$	$\text{deg}^b)$
C–H	1.13(4)	C–C–O	107.8(20) ^{c)}
C–O	1.44 ^{d)}	C–C–N	107.8(20) ^{c)}
C–C	1.54 ^{d)}	C(4)–N–P	112.7(20)
P–O	1.622(26)	C–O–P	115.6(20)
P–N	1.692(26)	Cl–P–O	98.1(30)
N–C	1.455(30)	Cl–P–N	101.2(30)
P–Cl	2.174(18)	C(6)–N–P	125(4)
		C(6)–N–C(4)	121(4)
		C–C–H	109 ^{d)}
		N–C–H	109 ^{d)}



The hetero ring is in the envelope form, and the P–Cl bond is axial. The bonds to the N atom are almost coplanar.

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

^{a)} Unidentified, possibly r_a and θ_a .

^{b)} Uncertainties are larger than those listed in the original data.

^{c)} C–C–O and C–C–N were assumed to be equal.

^{d)} Assumed.

Naumov, V.A., Pudovik, M.A.: Dokl. Akad. Nauk SSSR **203** (1972) 351; Proc. Acad. Sci. USSR (Engl. Transl.) **203** (1972) 237.