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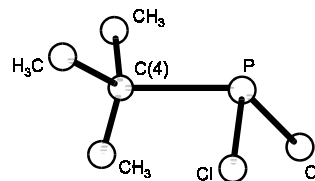
**C<sub>4</sub>H<sub>9</sub>Cl<sub>2</sub>P**

***t*-Butyldichlorophosphine**

**C<sub>s</sub>**  
**Cl<sub>2</sub>P-C(CH<sub>3</sub>)<sub>3</sub>**

$r_a$	$\text{\AA}^a$	$\theta_a$	deg <sup>a)</sup>
C-H	1.141(12)	C-P-Cl	100.9(8)
P-C	1.873(17)	Cl-P-Cl	101.2(11)
C-C	1.535(6)	P-C-C	106.8(10)
P-Cl	2.064(4)	C-C-H	109.0(19)

The *t*-butyl group has C<sub>3v</sub> symmetry with essentially no tilt.  
The temperature of the measurements was not stated.



<sup>a)</sup> Three times the estimated standard errors including the experimental scale error.

Naumov, V.A., Ziatdinova, R.N., Romanov, G.V., Pudovik, A.N.: Dokl. Akad. Nauk SSSR **253** (1980) 167; Proc. Acad. Sci. USSR (Engl. Transl.) **253** (1980) 543.