

1711
MW

C₄H₇P

2,5-Dihydro-1*H*-phosphole
3-Phospholene

C_s

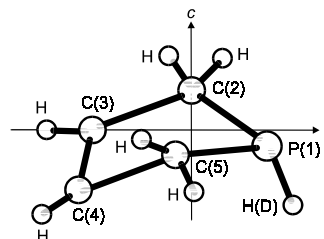
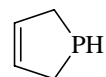
r_0	Å	θ_0	deg
C(3)=C(4)	1.33 ^{a)}	C(2)–C(3)=C(4)	117 ^{a)}
C(2)–C(3)	1.51 ^{a)}	H–C(2)–C(3)	109.5 ^{a)}
P–C(2)	1.87 ^{a)}	H–C(3)=C(4)	120 ^{a)}
P–H	1.419 ^{a)}	H–C(2)–H	109.5 ^{a)}
C(3)–H	1.085 ^{a)}	C(2)–P–C(5)	92.2 ^{a)}
C(2)–H	1.095 ^{a)}	H–P–C	97.6 ^{a)}
		φ ^{b)}	18(3)

Atom	$ a_s $ [Å]	$ c_s $ [Å]
H ^{c)}	1.30	1.44
D ^{c)}	1.31	1.40

^{a)} Assumed.

^{b)} Puckering angle.

^{c)} In the PH (or PD) group.



Durig, J.R., Streusand, B.J., Li, Y.S., Richardson, L., Laane, J.: J. Chem. Phys. **73** (1980) 5564.