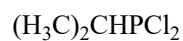




>>Entry Name: Isopropylphosphonous dichloride

Synonym(s): (1-Methylethyl)phosphonous dichloride, gCl. Dichloroisopropylphosphine

CAS Registry Number: 25235-15-8



Molecular Formula:  $\text{C}_3\text{H}_7\text{Cl}_2\text{P}$

Molecular Weight: 144.967

Accurate Mass: 143.966241

Percentage Composition: C 24.86%; H 4.87%; Cl 48.91%; P 21.37%

Physical Description: Pungent liq.

Boiling Point: Bp<sub>745</sub> 130°. Bp<sub>202</sub> 88°

Refractive Index: n<sub>D</sub><sup>25</sup> 1.4868

Aldrich: 38440-2

References:

Perry, B.J. *et al.*, *Can. J. Chem.*, 1963, **41**, 2299, (*synth*)

Dutasta, J.P. *et al.*, *Chem. Comm.*, 1975, 747, (*conformn*)

Kostyanovskii, R.G. *et al.*, *Izv. Akad. Nauk SSSR, Ser. Khim.*, 1975, 901; *Bull. Acad. Sci. USSR, Div. Chem. Sci. (Engl. Transl.)*, 1975, 816, (*synth, pmr*)

Naumov, V.A. *et al.*, *Zh. Strukt. Khim.*, 1983, **24**, 96; *J. Struct. Chem. (Engl. Transl.)*, 1983, **24**, 736, (*ed, conform*)

Durig, J.R. *et al.*, *J. Mol. Struct.*, 1989, **192**, 47, (*ir, Raman*)

*Synthetic Methods of Organometallic and Inorganic Chemistry*, (ed. Hermann, W.A.), Thieme, 1996, **3**, 54-56, (*synth, pmr, cmr, P-31 nmr*)