



>>Entry Name: (1-Methylethenyl)phosphonic dichloride

Synonym(s): Isopropenylphosphonic dichloride. (2-Propenyl)phosphinic dichloride

CAS Registry Number: 3944-27-2

$\text{H}_2\text{C}=\text{C}(\text{CH}_3)\text{P}(\text{O})\text{Cl}_2$

Molecular Formula: $\text{C}_3\text{H}_5\text{Cl}_2\text{OP}$

Molecular Weight: 158.951

Accurate Mass: 157.945506

Percentage Composition: C 22.67%; H 3.17%; Cl 44.61%; O 10.07%; P 19.49%

Physical Description: Liq.

Boiling Point: Bp_{13} 64-66°

Density: d_4^{20} 1.34

Refractive Index: n_D^{20} 1.4818

References:

Bolle, J. *et al.*, *C. R. Hebd. Seances Acad. Sci.*, 1965, **261**, 1852, (*synth*)

Remizov, A.B. *et al.*, *Zh. Obshch. Khim.*, 1974, **44**, 1863; *J. Gen. Chem. USSR (Engl. Transl.)*, 1974, **44**, 1831, (*ir*)

Gareev, R.D. *et al.*, *Zh. Obshch. Khim.*, 1978, **48**, 1688; *J. Gen. Chem. USSR (Engl. Transl.)*, 1978, **48**, 1544, (*synth, pmr*)

Zverev, V.V. *et al.*, *Dokl. Akad. Nauk SSSR, Ser. Khim.*, 1979, **246**, 1368; *Dokl. Chem. (Engl. Transl.)*, 1979, **246**, 312, (*pe*)