



>>Entry Name: Propylphosphonous dichloride

Synonym(s): Dichloropropylphosphine

CAS Registry Number: 15573-31-6

$\text{H}_3\text{CCH}_2\text{CH}_2\text{PCl}_2$

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 134.5°. Bp₉₀ 70°

Density: d_4^{27} 1.17

Refractive Index: n_D^{25} 1.4842

References:

Fox, R.B., *J.A.C.S.*, 1950, **72**, 4147, (*synth*)

Goetz, H. *et al.*, *Annalen*, 1967, **704**, 1, (*synth*)

Razumov, A.I. *et al.*, *Zh. Obshch. Khim.*, 1970, **40**, 1704; *J. Gen. Chem. USSR (Engl. Transl.)*, 1970, **40**, 1691, (*P-31 nmr*)

Quin, L.D. *et al.*, *Org. Magn. Reson.*, 1974, **6**, 503, (*cmr*)