



>>Entry Name: Diisopropylphosphinous chloride, 8Cl

Synonym(s): Bis(1-methylethyl)phosphinous chloride, 9Cl. Chlorodiisopropylphosphine

CAS Registry Number: 40244-90-4

Type of Compound Code(s): AC3020

$[(\text{H}_3\text{C})_2\text{CH}]_2\text{PCl}$

Molecular Formula: $\text{C}_6\text{H}_{14}\text{ClP}$

Molecular Weight: 152.603

Accurate Mass: 152.052164

Percentage Composition: C 47.22%; H 9.25%; Cl 23.23%; P 20.30%

Physical Description: Liq.

Boiling Point: Bp 155-158°. Bp₁₀ 46-47°

Refractive Index: n_D^{20} 1.4752

Aldrich: 33777-3

References:

Aldrich Library of ^{13}C and ^1H FT NMR Spectra, 1992, **1**, 1464A, (*nmr*)

Voskuil, W. *et al.*, *Rec. Trav. Chim. (J. R. Neth. Chem. Soc.)*, 1963, **82**, 302, (*synth*)

Kostyanovskii, R.G. *et al.*, *Org. Mass Spectrom.*, 1972, **6**, 1199, (*ms*)

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*)

Mikaya, A.I. *et al.*, *Zh. Obshch. Khim.*, 1982, **52**, 1998; *J. Gen. Chem. USSR (Engl. Transl.)*, 1982, **52**, 1776, (*ms*)