



>>Entry Name: Diethylphosphoramidous dichloride, 9Cl

Synonym(s): (Diethylamino)dichlorophosphine. Diethylaminophosphorous dichloride

CAS Registry Number: 1069-08-5

Et₂NPCl₂

Molecular Formula: C₄H₁₀Cl₂NP

Molecular Weight: 174.009

Accurate Mass: 172.99279

Percentage Composition: C 27.61%; H 5.79%; Cl 40.75%; N 8.05%; P 17.80%

Physical Description: Air-sensitive liq.

Boiling Point: Bp 189°. Bp₁₄ 73-75°

Density: d₀¹⁵ 1.096

Refractive Index: n_D²⁰ 1.4679

Aldrich: 36289-1

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 1470B, (*nmr*)

Michaelis, A., *Annalen*, 1903, **326**, 129, (*synth*)

v. Wazer, J.R. *et al.*, *J.A.C.S.*, 1964, **86**, 811, (*P-31 nmr*)

Biryukov, I.P. *et al.*, *Zh. Obshch. Khim.*, 1972, **42**, 1223; *J. Gen. Chem. USSR (Engl. Transl.)*, 1972, **42**, 1217, (*nqr*)

Barlos, K. *et al.*, *Z. Naturforsch., B*, 1978, **33**, 515, (*N-15 nmr*)

Van Lindhoudt, J.P. *et al.*, *Spectrochim. Acta A*, 1980, **36**, 315, (*pmr, P-31 nmr, cmr*)