



>>Entry Name: Diethylphosphinous chloride, 9Cl

Synonym(s): Chlorodiethylphosphine

CAS Registry Number: 686-69-1

Et₂PCl

Molecular Formula: C₄H₁₀ClP

Molecular Weight: 124.549

Accurate Mass: 124.020864

Percentage Composition: C 38.57%; H 8.09%; Cl 28.46%; P 24.87%

Physical Description: Air-sensitive liq.

Boiling Point: Bp₇₂₁ 129-131°. Bp₁₀₀ 70-73°. Bp₅₀ 48-52°

Density: d₄²⁵ 0.984

Refractive Index: n_D²⁰ 1.4772

Aldrich: 33683-1

References:

Aldrich Library of 13C and 1H FT NMR Spectra, 1992, **1**, 1463C, (*nmr*)

Issleib, K. *et al.*, *Chem. Ber.*, 1959, **92**, 2681, (*synth*)

Maier, L., *J. Inorg. Nucl. Chem.*, 1962, **24**, 1073, (*synth, P-31 nmr*)

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Naumov, V.A. *et al.*, *Zh. Strukt. Khim.*, 1977, **18**, 67, (*ed*)

Van Linthoudt, J.P. *et al.*, *Spectrochim. Acta A*, 1979, **35**, 1307, (*cmr, P-31 nmr, pmr*)

Wolfsberger, W., *Chem.-Ztg.*, 1983, **107**, 77, (*rev*)

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