



>>Entry Name: Dimethylphosphoramidic dichloride, 9Cl, 8Cl

Synonym(s): (Dimethylamino)phosphonic dichloride. Dimethylamino phosphoryl dichloride. Dichloro(dimethylamido)oxophosphorus(V)

CAS Registry Number: 677-43-0

Type of Compound Code(s): AC4020 AC4040

Me₂NP(O)Cl₂

Molecular Formula: C₂H₆Cl₂NOP

Molecular Weight: 161.955

Accurate Mass: 160.956405

Percentage Composition: C 14.83%; H 3.73%; Cl 43.78%; N 8.65%; O 9.88%; P 19.12%

Physical Description: Liq.

Boiling Point: Bp 194-195°. Bp₁₀ 76°. Bp₁ 45°

Density: d_{15.5}^{15.5} 1.37

Refractive Index: n_D²⁵ 1.4610

Fluka: 79625

References:

Michaelis, A., *Annalen*, 1903, **326**, 129; 172, (*synth*)

Cowley, A.H. *et al.*, *J.A.C.S.*, 1965, **87**, 4454, (*pmr*)

Köttgen, D. *et al.*, *Z. Anorg. Allg. Chem.*, 1971, **385**, 56, (*ir, Raman*)

Osokin, D.Ya. *et al.*, *Org. Magn. Reson.*, 1972, **4**, 831, (*nqr*)

Robinson, E.A. *et al.*, *Spectrochim. Acta A*, 1972, **28**, 1099, (*pmr, P-31 nmr*)

Gouesnard, J.P. *et al.*, *Nouv. J. Chim.*, 1982, **6**, 143, (*N-15 nmr*)