



>>Entry Name: Ethyl phosphorodichloridite, 9Cl, 8Cl

Synonym(s): Ethyl dichlorophosphite. Dichloroethoxophosphorus(III)

CAS Registry Number: 1498-42-6

EtOPCl₂

Molecular Formula: C₂H₅Cl₂OP

Molecular Weight: 146.94

Accurate Mass: 145.945506

Percentage Composition: C 16.35%; H 3.43%; Cl 48.25%; O 10.89%; P 21.08%

Physical Description: Fuming liq.

Boiling Point: Bp 116-118°. Bp₁₈ 28-30°

Density: d₄²⁰ 1.29

Refractive Index: n_D²⁰ 1.4730

Hazard & Toxicity: Violently hydrol. by H₂O. Corrosive and irritating to skin, eyes and mucous membranes

Aldrich: 19747-5

References:

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Steyermark, P.R., *J.O.C.*, 1963, **28**, 586

Armour, M.A. *et al.*, *J.C.S. Perkin 2*, 1975, 1185, (synth)

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