



>>Entry Name: Chloromethyl pivalate, 8Cl

Synonym(s): Chloromethyl 2,2-dimethylpropanoate, 9Cl. Pivaloyloxymethyl chloride. POM

CAS Registry Number: 18997-19-8

$(\text{H}_3\text{C})_3\text{CCOOCH}_2\text{Cl}$

Molecular Formula: $\text{C}_6\text{H}_{11}\text{ClO}_2$

Molecular Weight: 150.604

Accurate Mass: 150.044757

Percentage Composition: C 47.85%; H 7.36%; Cl 23.54%; O 21.25%

Use/Importance: *N*-Protecting reagent used in the synthesis of purine derivs.

Physical Description: Oil

Boiling Point: Bp_{50} 71-75°

Refractive Index: n_{D}^{20} 1.4170

Aldrich: 14118-6

Fluka: 80915

Sigma: C7881

References:

Rasmussen, M. *et al.*, *J.A.C.S.*, 1967, **89**, 5439, (*synth*, *ir*, *pmr*)