



>>Entry Name: 1-(Chloromethoxy)-2-methoxyethane, 9CI

Synonym(s): β -Methoxyethoxymethyl chloride

CAS Registry Number: 3970-21-6

MeOCH₂CH₂OCH₂Cl

Molecular Formula: C₄H₉ClO₂

Molecular Weight: 124.567

Accurate Mass: 124.029107

Percentage Composition: C 38.57%; H 7.28%; Cl 28.46%; O 25.69%

Use/Importance: Used to protect hydroxyl groups

Aldrich: 35748-0

Fluka: 64735

Sigma: M7264

>>Derivative: Triethylamine compd.

Synonym(s): Triethyl(2-methoxyethoxymethyl)ammonium chloride

Melting Point: Mp 58-61°

References:

Aldrich Library of FT-IR Spectra, 1st edn., 1985, **1**, 210C, (*ir*)

Aldrich Library of FT-IR Spectra: Vapor Phase, 1989, **3**, 275B, (*ir*)

Corey, E.J. *et al.*, *Tet. Lett.*, 1976, 809-812; 4701-4704; 4705-4708, (*synth, use*)

Fieser and Fieser's Reagents for Organic Synthesis, Wiley, 1979, **7**, 227, (*synth, use*)

Grieco, P.A. *et al.*, *J.O.C.*, 1979, **44**, 2194-2199, (*use*)