



>>Entry Name: Bis(2-chloroethyl) carbonate

Synonym(s): 2-Chloroethanol carbonate (2:1), 9Cl. Di-2-chloroethyl carbonate. 2,2'-Dichlorodiethyl carbonate

CAS Registry Number: 623-97-2

ClCH2CH2OCOOCH2CH2Cl

Molecular Formula: $C_5H_8Cl_2O_3$

Molecular Weight: 187.022

Accurate Mass: 185.985049

Percentage Composition: C 32.11%; H 4.31%; Cl 37.91%; O 25.66%

Physical Description: Oil, cooling to needles

Melting Point: Mp 8.5°

Boiling Point: Bp 241°. Bp₁₂ 125°

Density: d_4^{20} 1.351

Refractive Index: n_D^{20} 1.4600

Other Data: Steam-volatile

Rare Chemicals Library: S65934-7

References:

Nekrassow, W. *et al.*, *J. Prakt. Chem.*, 1929, **123**, 160, (*synth*)

Hales, J.L. *et al.*, *J.C.S.*, 1957, 618, (*ir*)

Jones, J.I., *J.C.S.*, 1957, 2735, (*synth*)

Ger. Pat., 1964, 1 179 922; *CA*, **62**, 1572, (*synth*)

Hirst, R.C. *et al.*, *J. Chem. Phys.*, 1964, **40**, 1909, (*pmr*)