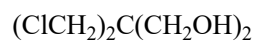




>>Entry Name: **2,2-Bis(chloromethyl)-1,3-propanediol**, 9CI

Synonym(s): **Loprodinol**, INN. Pentaerythritol dichlorohydrin. Clorpropandriol. Dicloropenol. Dispranol. Exifarma. Gentimon. Prontopaz

CAS Registry Number: 2209-86-1



Molecular Formula: $\text{C}_5\text{H}_{10}\text{Cl}_2\text{O}_2$

Molecular Weight: 173.038

Accurate Mass: 172.005784

Percentage Composition: C 34.71%; H 5.82%; Cl 40.98%; O 18.49%

Use/Importance: Tranquilliser, broncholytic, antibacterial agent

Physical Description: Cryst.

Melting Point: Mp 79-80° (95°)

Boiling Point: Bp₁₂ 160°. Bp_{0.001} 95-99°

Solubility: Sol. H₂O

Calculated Log P Data: Log P -1.47 (calc)

Hazard & Toxicity: LD₅₀ (rat, orl) 1285 mg/kg

References:

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Geiseler, G. *et al.*, *Z. Naturforsch., A*, 1967, **22**, 1511, (*ir*)

Borremans, F. *et al.*, *Bull. Soc. Chim. Belg.*, 1976, **85**, 681, (*synth, pmr*)

Zarudii, F.S. *et al.*, *Khim.-Farm. Zh.*, 1985, **19**, 161; *CA*, **103**, 71130y, (*activity*)

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