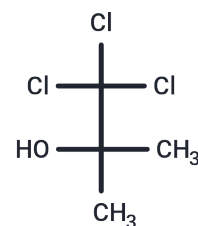


Chlorobutanol

Chemical Properties

CAS No. :	57-15-8
Formula:	C ₄ H ₇ Cl ₃ O
Molecular Weight:	177.46
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Chlorobutanol (Chlortran) is a chemical preservative, sedative hypnotic and weak local anaesthetic. It has Antibacterial and Antifungal properties. Chlorobutanol is typically used at a concentration of 0.5% where it lends long-term stability to multi-ingredient formulations.
Targets(IC50)	Antibacterial,Antibiotic,Antifungal

Solubility Information

Solubility	DMSO: 250 mg/mL (1408.77 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (11.27 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (56.35 mM),Solution. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.6351 mL	28.1754 mL	56.3507 mL
5 mM	1.127 mL	5.6351 mL	11.2701 mL
10 mM	0.5635 mL	2.8175 mL	5.6351 mL
50 mM	0.1127 mL	0.5635 mL	1.127 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Chen SL, et al. Thromb Haemost. 1990 Nov 30;64(3):473-7.

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