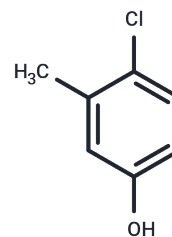


Chlorocresol

Chemical Properties

CAS No. :	59-50-7
Formula:	C ₇ H ₇ ClO
Molecular Weight:	142.58
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	Chlorocresol is a pharmaceutical preservative that activates the Ca ²⁺ channel of the Ry1 receptor.
Targets(IC50)	Calcium Channel

Solubility Information

Solubility	DMSO: 80 mg/mL (561.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.0136 mL	35.068 mL	70.1361 mL
5 mM	1.4027 mL	7.0136 mL	14.0272 mL
10 mM	0.7014 mL	3.5068 mL	7.0136 mL
50 mM	0.1403 mL	0.7014 mL	1.4027 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

Tegazzin V, et al. Chlorocresol, an additive to commercial succinylcholine, induces contracture of human malignant hyperthermia-susceptible muscles via activation of the ryanodine receptor Ca²⁺ channel. *Anesthesiology*. 1996;84(6):1380-1385.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481