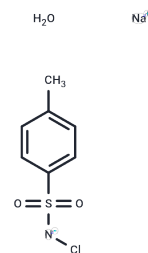


Chloramine-T

Chemical Properties

CAS No. :	127-65-1
Formula:	C ₇ H ₇ ClNNaO ₂ S
Molecular Weight:	227.65
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	Chloramine-T (Chloralzone) is a N-chlorinated, and N-deprotonated sulfonamide, used as a biocide and a mild disinfectant.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	H ₂ O: 180.11 mM, Sonication is recommended. DMSO: 250 mg/mL (1098.18 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: 2.5 mg/mL (10.98 mM), Sonication is recommended. <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	4.3927 mL	21.9635 mL	43.9271 mL
5 mM	0.8785 mL	4.3927 mL	8.7854 mL
10 mM	0.4393 mL	2.1964 mL	4.3927 mL
50 mM	0.0879 mL	0.4393 mL	0.8785 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

Boran H, Altinok I. J Fish Dis. 2014 May; 37(5):431-41.

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