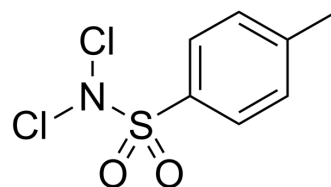


Dichloramine-T

Cat. No.:	HY-105840
CAS No.:	473-34-7
Molecular Formula:	C ₇ H ₇ Cl ₂ NO ₂ S
Molecular Weight:	240.11
Target:	Bacterial
Pathway:	Anti-infection
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (416.48 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
	Preparing Stock Solutions	1 mM	5 mM	10 mM
		4.1648 mL	20.8238 mL	41.6476 mL
		0.8330 mL	4.1648 mL	8.3295 mL
		0.4165 mL	2.0824 mL	4.1648 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (10.41 mM); Clear solution			
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (10.41 mM); Clear solution			
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (10.41 mM); Clear solution			

BIOLOGICAL ACTIVITY

Description	Dichloramine-T is a strong oxidizer and disinfectant, with strong oxidation and sterilization. Dichloramine-T is also widely used in the medical and health field for disinfection and sterilization operations ^{[1][2]} .
--------------------	---

REFERENCES

[1]. Jacob TJ, et al. Dichloramine-T as a new oxidimetric titrant in non-aqueous and partially aqueous media. Talanta. 1972 Mar;19(3):347-51.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA