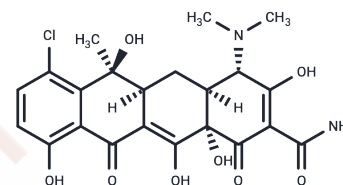


Chlortetracycline

Chemical Properties

CAS No. :	57-62-5
Formula:	C ₂₂ H ₂₃ ClN ₂ O ₈
Molecular Weight:	478.88
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



Biological Description

Description	Chlortetracycline is a broad-spectrum antibiotic tetracycline with a 7-chloro substitution. It inhibits growth of both Gram-negative and Gram-positive bacteria by inhibiting protein synthesis.
Targets(IC50)	Others,Antibacterial,Antibiotic,Parasite

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0882 mL	10.441 mL	20.8821 mL
5 mM	0.4176 mL	2.0882 mL	4.1764 mL
10 mM	0.2088 mL	1.0441 mL	2.0882 mL
50 mM	0.0418 mL	0.2088 mL	0.4176 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 Z, Wang Y, Wen Q. Effects of chlortetracycline on the fate of multi-antibiotic resistance genes and the microbial community during swine manure composting. Environ Pollut. 2018 Jun;237:977-987. doi: 10.1016/j.envpol.2017.11.009. Epub 2017 Nov 11. PubMed PMID: 29137887.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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