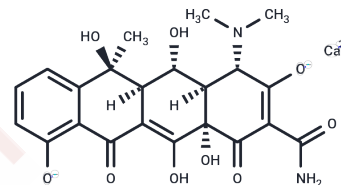


Oxytetracycline calcium

Chemical Properties

CAS No. :	7179-50-2
Formula:	C ₂₂ H ₂₂ CaN ₂ O ₉
Molecular Weight:	498.50
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	Oxytetracycline calcium, a tetracycline-class antibiotic, effectively inhibits both Gram-negative and Gram-positive bacteria. It acts as a protein synthesis inhibitor by preventing aminoacyl-tRNA binding to the m-ribosomal RNA complex and exhibits anti-HSV-1 activity [1] [2] [3].
Targets(IC50)	Others,Endogenous Metabolite,Antibacterial,Antibiotic,HSV

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.006 mL	10.0301 mL	20.0602 mL
5 mM	0.4012 mL	2.006 mL	4.012 mL
10 mM	0.2006 mL	1.003 mL	2.006 mL
50 mM	0.0401 mL	0.2006 mL	0.4012 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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