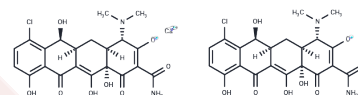


Demeclocycline calcium

Chemical Properties

CAS No. :	17146-81-5
Formula:	C ₄₂ H ₄₀ CaCl ₂ N ₄ O ₁₆
Molecular Weight:	967.77
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	Demeclocycline calcium is a semisynthetic tetracycline antibiotic which was derived from a strain of <i>Streptomyces aureofaciens</i> . Demeclocycline binds to bacterial 30S ribosomal subunit and prevents binding of aminoacyl-tRNA to the mRNA-ribosome complex, thereby inhibiting protein synthesis. Demeclocycline also inhibits the effect of vasopressin on the renal tubules, thereby causing diuresis.
Targets(IC50)	Others, Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.0333 mL	5.1665 mL	10.333 mL
5 mM	0.2067 mL	1.0333 mL	2.0666 mL
10 mM	0.1033 mL	0.5167 mL	1.0333 mL
50 mM	0.0207 mL	0.1033 mL	0.2067 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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