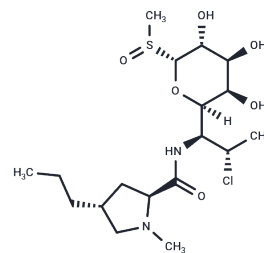


Clindamycin Sulfoxide

Chemical Properties

CAS No. :	22431-46-5
Formula:	C ₁₈ H ₃₃ ClN ₂ O ₆ S
Molecular Weight:	440.98
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	Clindamycin sulfoxide, an active metabolite of the antibiotic clindamycin, is formed via S-oxidation primarily by the cytochrome P450 (CYP) isoform CYP3A4. It inhibits the growth of <i>P. prevotti</i> , <i>B. fragilis</i> , and <i>C. sordelli</i> in vitro with MIC values of 2, 2, and 1 mg/L, respectively.
Targets(IC50)	Others,Antibiotic

Solubility Information

Solubility	Methanol: Slightly soluble H ₂ O: Slightly soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.2677 mL	11.3384 mL	22.6768 mL
5 mM	0.4535 mL	2.2677 mL	4.5354 mL
10 mM	0.2268 mL	1.1338 mL	2.2677 mL
50 mM	0.0454 mL	0.2268 mL	0.4535 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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