

Wychimicin A

Chemical Properties

CAS No. :

Formula: C47H60ClNO11

Molecular Weight: 850.43

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	Wychimicin A, a spirotetronate polyketide isolated from the rare actinomycete <i>Actinocrispum wychmicini</i> strain MI503-AF4, exhibits potent antibacterial activity. Specifically, it demonstrates efficacy against methicillin-resistant <i>Staphylococcus aureus</i> (IC 50 = 0.125-0.5 µg/mL) and <i>Enterococcus faecalis/faecium</i> (IC 50 = 0.125-0.25 µg/mL) [1] [2].
Targets(IC50)	Others,Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1759 mL	5.8794 mL	11.7588 mL
5 mM	0.2352 mL	1.1759 mL	2.3518 mL
10 mM	0.1176 mL	0.5879 mL	1.1759 mL
50 mM	0.0235 mL	0.1176 mL	0.2352 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.

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