

Wychimicin C

Chemical Properties

CAS No. :

Formula: C₄₆H₅₈ClNO₁₁

Molecular Weight: 836.41

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 C, a spirotetronate polyketide isolated from the rare actinomycete, <i>Actinocrispum wychmicini</i> strain MI503-AF4, demonstrates potent antibacterial efficacy. Specifically, it exhibits significant activity 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	1.1956 mL	5.9779 mL	11.9559 mL
5 mM	0.2391 mL	1.1956 mL	2.3912 mL
10 mM	0.1196 mL	0.5978 mL	1.1956 mL
50 mM	0.0239 mL	0.1196 mL	0.2391 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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