

Albomycin δ 1

Chemical Properties

CAS No. :	12676-11-8
Formula:	C ₃₆ H ₅₅ FeN ₁₀ O ₁₈ S
Molecular Weight:	1003.79
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Albomycin δ 1 is a selectively targeting bacterial ribosome antibiotic (antibiotic) with a minimum inhibitory concentration (MIC) of 0.0625 μ g/mL against <i>S. pneumoniae</i> . It exerts its bactericidal effect by covalently binding to the 70S ribosome and irreversibly inhibiting peptidyl transferase. Albomycin δ 1 holds promise for research on infections caused by <i>S. pneumoniae</i> and <i>S. aureus</i> .
Targets(IC50)	Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9962 mL	4.9811 mL	9.9622 mL
5 mM	0.1992 mL	0.9962 mL	1.9924 mL
10 mM	0.0996 mL	0.4981 mL	0.9962 mL
50 mM	0.0199 mL	0.0996 mL	0.1992 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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