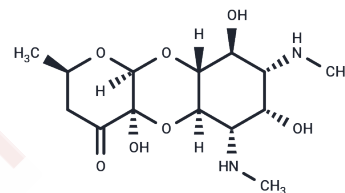


## Spectinomycin

## Chemical Properties

CAS No. :	1695-77-8
Formula:	C <sub>14</sub> H <sub>24</sub> N <sub>2</sub> O <sub>7</sub>
Molecular Weight:	332.35
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	Spectinomycin, a broad-spectrum antibiotic, targets and inhibits the growth of various gram-positive and gram-negative organisms by selectively binding to the bacterial ribosome, disrupting protein synthesis. Additionally, it serves as a noncompetitive inhibitor of td intron RNA [1] [2] [3] [4] [5].
Targets(IC50)	Others,Antibacterial,Antibiotic

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0089 mL	15.0444 mL	30.0888 mL
5 mM	0.6018 mL	3.0089 mL	6.0178 mL
10 mM	0.3009 mL	1.5044 mL	3.0089 mL
50 mM	0.0602 mL	0.3009 mL	0.6018 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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