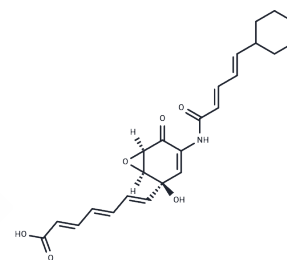


Nisamycin

Chemical Properties

CAS No. :	150829-93-9
Formula:	C ₂₄ H ₂₇ N ₀ O ₆
Molecular Weight:	425.474
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	Nisamycin exhibits strong antibacterial activity against Gram-positive bacteria, while showing weaker antifungal effects and limited activity against certain Gram-negative bacteria. Additionally, it has a mild cytotoxic effect, with an IC ₅₀ of 4.8 µg/mL against murine leukemia P388 cells.
Targets(IC ₅₀)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3503 mL	11.7517 mL	23.5034 mL
5 mM	0.4701 mL	2.3503 mL	4.7007 mL
10 mM	0.235 mL	1.1752 mL	2.3503 mL
50 mM	0.047 mL	0.235 mL	0.4701 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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