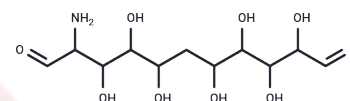


Tunicamine

Chemical Properties

CAS No. : 66054-53-3
 Formula: C₁₁H₂₁NO₉
 Molecular Weight: 311.29
 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	Tunicamine is a reversible polyprenol-phosphate inhibitor.
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2124 mL	16.0622 mL	32.1244 mL
5 mM	0.6425 mL	3.2124 mL	6.4249 mL
10 mM	0.3212 mL	1.6062 mL	3.2124 mL
50 mM	0.0642 mL	0.3212 mL	0.6425 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.

Reference

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- Price NP, Tsvetanova B. Biosynthesis of the tunicamycins: a review. *J Antibiot (Tokyo).* 2007 Aug;60(8):485-91. Review. PubMed PMID: 17827659.
- Xu L, Appell M, Kennedy S, Momany FA, Price NP. Conformational analysis of chirally deuterated tunicamycin as an active site probe of UDP-N-acetylhexosamine:polyprenol-P N-acetylhexosamine-1-P translocases. *Biochemistry.* 2004 Oct 26;43(42):13248-55. PubMed PMID: 15491132.
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