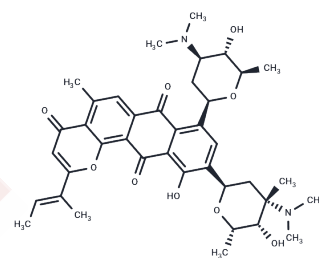


Kidamycin

Chemical Properties

CAS No. :	11072-82-5
Formula:	C ₃₉ H ₄₈ N ₂ O ₉
Molecular Weight:	688.818
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	Kidamycin, obtained from <i>Streptomyces phaeovercillatus</i> strains, can interfere with RNA synthesis.
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4518 mL	7.2588 mL	14.5176 mL
5 mM	0.2904 mL	1.4518 mL	2.9035 mL
10 mM	0.1452 mL	0.7259 mL	1.4518 mL
50 mM	0.029 mL	0.1452 mL	0.2904 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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- Takeshima H, Okamoto M, Komiyama K, Umezawa I. Mechanism of action of acetyl kidamycin. I. Interaction with DNA. *Biochim Biophys Acta.* 1976 Jan 5;418(1):24-8. PubMed PMID: 942683.
- Umezawa I, Komiyama K, Takeshima H, Hata T, Kono M. A new antitumor antibiotic, kidamycin. IV. Pharmacokinetics of acetyl-kidamycin. *J Antibiot (Tokyo).* 1973 Nov;26(11):669-75. PubMed PMID: 4792114.

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