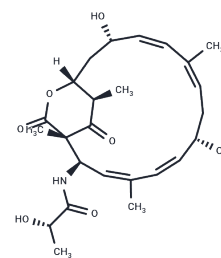


Lankacidinol

Chemical Properties

CAS No. :	23498-37-5
Formula:	C ₂₅ H ₃₅ N ₀ O ₇
Molecular Weight:	461.55
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	Lankacidinol is an antibiotic that has antitumor and immunosuppressive activities.
Targets(IC50)	Others,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1666 mL	10.8331 mL	21.6661 mL
5 mM	0.4333 mL	2.1666 mL	4.3332 mL
10 mM	0.2167 mL	1.0833 mL	2.1666 mL
50 mM	0.0433 mL	0.2167 mL	0.4333 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

- Oostu K, Matsumoto T, Harada S, Kishi T. Antitumor and immunosuppressive activities of lankacidin-group antibiotics: structure-activity relationships. *Cancer Chemother Rep.* 1975 Sep-Oct;59(5):919-28. PubMed PMID: 1148.
- Hayashi T, Okada J, Kondo S, Yamazaki T. Role of intestinal excretion in the effect of subcutaneously administered sedecamycin on cecal infection caused by *Treponema hyodysenteriae* in mice. *Antimicrob Agents Chemother.* 1991 Aug;35(8):1601-4. PubMed PMID: 1929332; PubMed Central PMCID: PMC245226.
- Okada J, Kondo S. Liquid chromatographic method for determining the macrolide antibiotic sedecamycin and its major metabolites in swine plasma and tissues. *J Assoc Off Anal Chem.* 1987 Sep-Oct;70(5):818-24. PubMed PMID: 3680117.
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