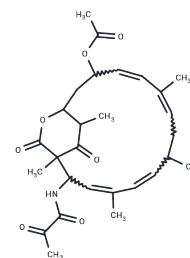


Sedecamycin

Chemical Properties

CAS No. :	23477-98-7
Formula:	C ₂₇ H ₃₅ N ₀ O ₈
Molecular Weight:	501.576
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	Sedecamycin is a 17-membered macrolide antibiotic. It is used for treating swine dysentery.
Targets(IC50)	Others,Antibacterial,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9937 mL	9.9685 mL	19.937 mL
5 mM	0.3987 mL	1.9937 mL	3.9874 mL
10 mM	0.1994 mL	0.9968 mL	1.9937 mL
50 mM	0.0399 mL	0.1994 mL	0.3987 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

- 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.
- Hayashi T, Suenaga I, Narukawa N, Yamazaki T. In vitro and in vivo activities of sedecamycin against *Treponema hyodysenteriae*. *Antimicrob Agents Chemother.* 1988 Apr;32(4):458-61. PubMed PMID: 3377458; PubMed Central PMCID: PMC172201.
- Molnár L. Sensitivity of strains of *Serpulina hyodysenteriae* isolated in Hungary to chemotherapeutic drugs. *Vet Rec.* 1996 Feb 17;138(7):158-60. PubMed PMID: 8677605.
- 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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