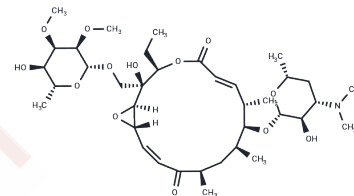


Mirosamicin

Chemical Properties

CAS No. :	73684-69-2
Formula:	C ₃₇ H ₆₁ N ₁ O ₁₃
Molecular Weight:	727.88
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	Mirosamicin is a macrolide antibiotic, it has antimicrobial effect against gram-positive bacteria, some gram-negative bacteria and mycoplasma.
Targets(IC50)	Others, Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3739 mL	6.8693 mL	13.7385 mL
5 mM	0.2748 mL	1.3739 mL	2.7477 mL
10 mM	0.1374 mL	0.6869 mL	1.3739 mL
50 mM	0.0275 mL	0.1374 mL	0.2748 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

- Nakajima C, Sakogawa T, Okayama A, Nakamura A, Hayama T. Disposition of mirosamicin in honeybee hives. *J Vet Pharmacol Ther.* 1998 Aug;21(4):269-73. PubMed PMID: 9731948.
- Horie M, Saito K, Ishii R, Yoshida T, Haramaki Y, Nakazawa H. Simultaneous determination of five macrolide antibiotics in meat by high-performance liquid chromatography. *J Chromatogr A.* 1998 Jul 3;812(1-2):295-302. PubMed PMID: 9691326.
- Hayama T. [Pharmacological approach to control American foulbrood of honeybees]. *Nihon Yakurigaku Zasshi.* 1997 Oct;110(4):183-93. Review. Japanese. PubMed PMID: 9396023.
- Horie M, Saito K, Nose N, Oka H, Nakazawa H. Determination of mirosamicin in animal tissues by high-performance liquid chromatography. *J Chromatogr B Biomed Appl.* 1994 Apr 22;655(1):47-52. PubMed PMID: 8061833.

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