

Lasalocid

Chemical Properties

CAS No. : 25999-31-9

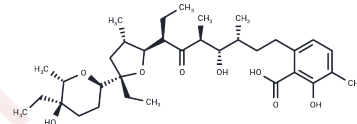
Formula: C₃₄H₅₄O₈

Molecular Weight: 590.79

Store at low temperature

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	Lasalocid (Lasalocid-A) is an ion carrier antibiotic produced by Streptomyces, which has antimicrobial and parasitic properties and is often added to feed.
Targets(IC50)	Apoptosis, Antibacterial, Antibiotic, Parasite, Autophagy

Solubility Information

Solubility	DMSO: 80 mg/mL (135.41 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (5.59 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6926 mL	8.4632 mL	16.9265 mL
5 mM	0.3385 mL	1.6926 mL	3.3853 mL
10 mM	0.1693 mL	0.8463 mL	1.6926 mL
50 mM	0.0339 mL	0.1693 mL	0.3385 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

Chen M, et al. Effect of monensin and lasalocid-sodium on the growth of methanogenic and rumen saccharolytic bacteria. Appl Environ Microbiol. 1979 Jul;38(1):72-7.

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