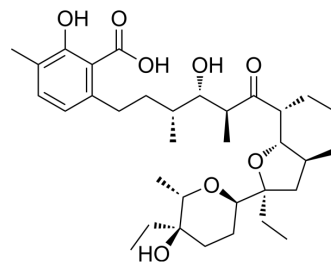


Lasalocid

Cat. No.:	HY-B1071		
CAS No.:	25999-31-9		
Molecular Formula:	C ₃₄ H ₅₄ O ₈		
Molecular Weight:	590.79		
Target:	Bacterial; Autophagy; Antibiotic; Parasite		
Pathway:	Anti-infection; Autophagy		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (169.26 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (4.23 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (4.23 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Lasalocid (Lasalocid-A; Ionophore X-537A; Antibiotic X-537A) is an antibacterial agent and a coccidiostat, used in the feed additives

CUSTOMER VALIDATION

- Langmuir. 2020 Mar 31;36(12):3184-3192.
- bioRxiv. 2023 Jun 25.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. 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.

Caution: Product has not been fully validated for medical applications. For research use only.

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