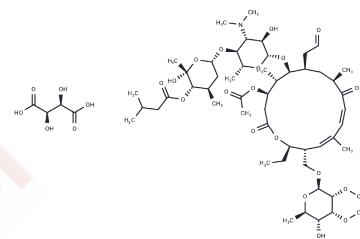


Tylvalosin tartrate

Chemical Properties

CAS No. :	63428-13-7
Formula:	C57H93NO25
Molecular Weight:	1192.34
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	Tylvalosin tartrate (Acetylisovalerylytylosin Tartrate) is a macrolide antibiotic that can against Gram-positive bacteria.
Targets(IC50)	Apoptosis,NF-κB,Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: 250 mg/mL (209.67 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: 2 mg/mL (1.68 mM),Sonication is recommended. 10% DMSO+90% Saline: 10 mg/mL (8.39 mM),Solution. <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	0.8387 mL	4.1934 mL	8.3869 mL
5 mM	0.1677 mL	0.8387 mL	1.6774 mL
10 mM	0.0839 mL	0.4193 mL	0.8387 mL
50 mM	0.0168 mL	0.0839 mL	0.1677 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

Feng-yu Deng, et al. Characterization of the Interaction between Acetylisovalerylytylosin Tartrat and Bovine Serum Albumin without or with Zn²⁺ and Cu²⁺ by Spectroscopic Analysis. Guang Pu Xue Yu Guang Pu Fen Xi. 2016 Jul;36 (7):2351-7.

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