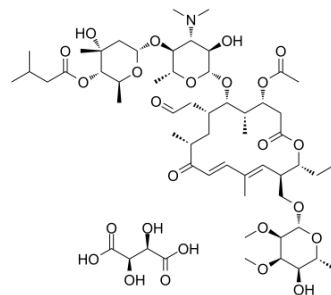


Tylvalosin tartrate

Cat. No.:	HY-128423
CAS No.:	63428-13-7
Molecular Formula:	C ₅₇ H ₉₃ NO ₂₅
Molecular Weight:	1192.34
Target:	Bacterial; Antibiotic
Pathway:	Anti-infection
Storage:	-20°C, stored under nitrogen
	* In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (83.87 mM; Need ultrasonic)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (2.10 mM); Clear solution 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (2.10 mM); Clear solution 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.10 mM); Clear solution					

BIOLOGICAL ACTIVITY

Description	Tylvalosin tartrate (Acetylisovaleryltylosin tartrate) is a macrolide antibiotic that can against Gram-positive bacteria ^{[1][2]} .
--------------------	--

REFERENCES

[1]. Feng-yu Deng, et al. Characterization of the Interaction between Acetylisovaleryltylosin 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.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA