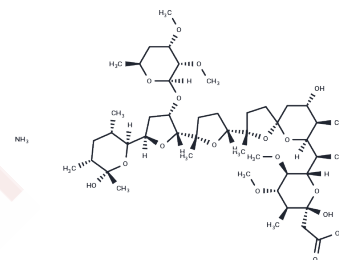


Maduramicin ammonium

Chemical Properties

CAS No. :	84878-61-5
Formula:	C47H83NO17
Molecular Weight:	934.20
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	Maduramicin ammonium (Maduramycin Ammonium) is an anticoccidial agent for the the treatment of Eimeria spp., E. adenoeides, E. gallopavonis, and E. dispersa infection
Targets(IC50)	Apoptosis,Antibacterial,Antibiotic

Solubility Information

Solubility	DMSO: 5.83 mg/mL (6.24 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: 1 mg/mL (1.07 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	1.0704 mL	5.3522 mL	10.7043 mL
5 mM	0.2141 mL	1.0704 mL	2.1409 mL
10 mM	0.107 mL	0.5352 mL	1.0704 mL
50 mM	0.0214 mL	0.107 mL	0.2141 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

Xiuge, Gao, Yani, et al. Maduramicin induces apoptosis in chicken myocardial cells via intrinsic and extrinsic pathways.[J]. Toxicology in Vitro An International Journal Published in Association with Bibra, 2018.

Mcdougald L R , Fuller A L , Mathis G F , et al. Efficacy of Maduramicin Ammonium against Coccidiosis in Turkeys under Laboratory and Floor-Pen Conditions[J]. Avian Diseases, 1990, 34(3):634-638.

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