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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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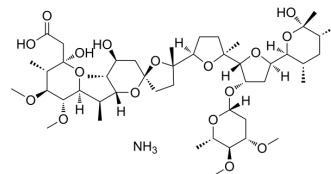
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Maduramicin ammonium

Cat. No.:	HY-N7071A
CAS No.:	84878-61-5
Molecular Formula:	C ₄₇ H ₈₃ NO ₁₇
Molecular Weight:	934.16
Target:	Bacterial; Apoptosis; Antibiotic
Pathway:	Anti-infection; Apoptosis
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 16.67 mg/mL (17.84 mM); ultrasonic and warming and heat to 60°C																									
	<table border="1"> <thead> <tr> <th rowspan="2">Solvent Concentration</th> <th>Mass</th> <th>1 mg</th> <th>5 mg</th> <th>10 mg</th> </tr> </thead> <tbody> <tr> <td>Preparing Stock Solutions</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>1 mM</td> <td></td> <td>1.0705 mL</td> <td>5.3524 mL</td> <td>10.7048 mL</td> </tr> <tr> <td>5 mM</td> <td></td> <td>0.2141 mL</td> <td>1.0705 mL</td> <td>2.1410 mL</td> </tr> <tr> <td>10 mM</td> <td></td> <td>0.1070 mL</td> <td>0.5352 mL</td> <td>1.0705 mL</td> </tr> </tbody> </table>	Solvent Concentration	Mass	1 mg	5 mg	10 mg	Preparing Stock Solutions					1 mM		1.0705 mL	5.3524 mL	10.7048 mL	5 mM		0.2141 mL	1.0705 mL	2.1410 mL	10 mM		0.1070 mL	0.5352 mL	1.0705 mL
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	Please refer to the solubility information to select the appropriate solvent.																									
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 1.67 mg/mL (1.79 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.67 mg/mL (1.79 mM); Clear solution 																									

BIOLOGICAL ACTIVITY

Description	Maduramicin ammonium (Maduramicin ammonium) is isolated from the actinomycete <i>Actinomadura rubra</i> . Maduramicin ammonium (Maduramicin ammonium) is an anticoccidial agent for the the treatment of <i>Eimeria</i> spp., <i>E. adenoides</i> , <i>E. gallopavonis</i> , and <i>E. dispersa</i> infection ^[1] . Maduramicin ammonium (Maduramicin ammonium) induces cell apoptosis in chicken myocardial cells via intrinsic and extrinsic pathways ^[2] .
IC₅₀ & Target	IC50: bacterial; apoptosis ^[1]

REFERENCES

[1]. McDougald LR, et al. Efficacy of maduramicin ammonium against coccidiosis in turkeys under laboratory and floor-pen conditions. *Avian Dis.* 1990 Jul-Sep;34(3):634-8.

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

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