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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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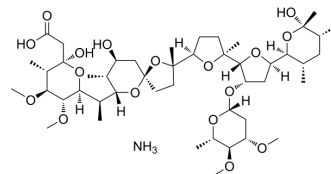
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Maduramicin ammonium

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 : 25 mg/mL (26.76 mM); ultrasonic and warming and heat to 60°C					
	Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
		Concentration				
		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		
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (2.68 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.
- [2]. Gao X, et al. Maduramicin induces apoptosis in chicken myocardial cells via intrinsic and extrinsic pathways. *Toxicol In Vitro.* 2018 Aug;50:190-200.

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

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