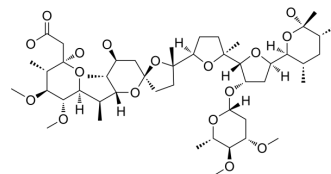


Maduramicin

Cat. No.:	HY-N7071
CAS No.:	79356-08-4
Molecular Formula:	C ₄₇ H ₈₀ O ₁₇
Molecular Weight:	917.13
Target:	Antibiotic; Apoptosis
Pathway:	Anti-infection; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

Maduramicin (Maduramycin) is isolated from the actinomycete *Actinomadura rubra*. Maduramicin is an anticoccidial agent for the treatment of *Eimeria* spp., *E. adenoides*, *E. gallopavonis*, and *E. dispersa* infection^[1]. Maduramicin induces cell apoptosis in chicken myocardial cells via intrinsic and extrinsic pathways^[2].

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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