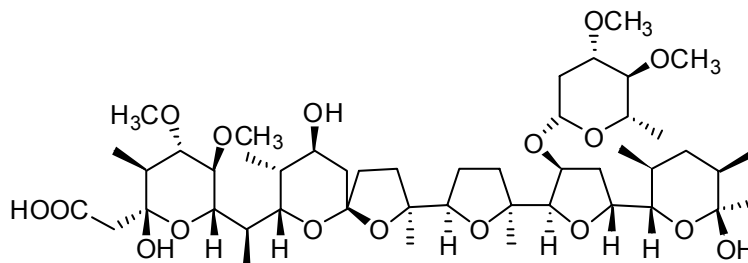


Maduramicin

Code: **BIA-M1308**

Pack sizes: **5 mg, 25 mg**



Synonyms : **Antibiotic X 14868A, Maduramicin α , Cygro. X 14868A. CL 273703. LL-C 23024-A. Antibiotic CL 273703. Antibiotic LL-C 23024-A**

Specifications

CAS # : **79356-08-4**
Molecular Formula : **C₄₇H₈₀O₁₇**
Molecular Weight : **917.1**
Source : ***Actinomadura yunnaense***
Appearance : **White solid**
Purity : **>98%**
Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.**

Application Notes

Maduramicin is a polyether antibiotic first isolated from *Actinomadura yunnaense* (formerly *Nocardia* sp. X-14868) in 1963. Maduramicin is a broad-spectrum anticoccidial also active against *Treponema* and *Cryptosporidium*. Maduramicin is an ionophore and forms complexes with monovalent cations, with a high affinity for K⁺ over Na⁺. Maduramicin is used as the ammonium salt in the treatment of animals to prevent coccidiosis and to promote growth.

References

1. Novel polyether antibiotics X-14868A, B, C, and D produced by a *Nocardia*. Discovery, fermentation, biological as well as ionophore properties and taxonomy of the producing culture. Liu C.M. *et al.* J. Antibiot. **1983**, 36, 343.