PRODUCT DATA SHEET

Maduramicin ammonium

Code No.: BIA-M1542
Pack sizes: 5 mg, 25 mg

Synonyms: CL 259971, Maduramycin sodium

Specifications
CAS #: 84878-61-5
Molecular Formula: C_{47}H_{83}NO_{17}
Molecular Weight: 934.2
Source: Streptomyces sp.
Appearance: White solid
Purity: >98% by HPLC
Long Term Storage: -20°C
Solubility: Soluble in ethanol, methanol, DMF or DMSO. Limited water solubility.

Application Notes
Maduramicin ammonium is prepared from maduramicin by taking advantage of the acidic carboxylic acid which ionizes and readily forms the salt in ammonium hydroxide solutions. The ammonium salt is the preferred formulation in animals to prevent coccidiosis and to promote growth. Maduramicin is also active against Treponema and Cryptosporidium. Maduramicin is an ionophore, forming complexes with monovalent cations, with a higher affinity for K+ than Na+.

References