

Product Name	: Maduramycin Ammonium
Synonyms	: Maduramicin ammonium; Maduramicin
Cat No.	: M21341
CAS Number	: 84878-61-5
Molecular Formula	: C ₄₇ H ₈₃ N ₁₇ O
Formula Weight	: 934.2
Chemical Name	: 2H-Pyran-2-acetic acid 6-((1R)-1-((2S,5R,7S,8R,9S)-2-((2S,2'R,3'S,5R,5'R)-3'-((26-dideoxy-34-di-O-methyl-beta-L-arabino-hexopyranosyl)oxy)octahydro-2-methyl-5'-((2S,3S,5R,6S)-tetrahydro-6-hydroxy-28-dimethyl-16-dioxaspiro(4.5)dec-7-yl)ethyl)tetrahydro-2-hydroxy-4,5-dimethoxy-3-methyl- monoammonium salt (2R,3S,4S,5R,6S)-
Description	: Maduramycin Ammonium is an anticoccidial agent for the the treatment of Eimeria spp. E. adenoeides E. gallopavonis and E. dispersa infection.
Pathway	: GPCR/G Protein
Target	: Antibacterial
Receptor	: Bacterial
Solubility	: DMSO:1 mg/mL (17.4 mM)
SMILES	: <chem>C[C@H]1C[C@H]([C@@](O[C@@H]1[C@H]2C[C@@H]([C@@H](O2)[C@@]3CC[C@@H](O3)[C@@]4CC[C@@]5(O4)C[C@H]([C@H]([C@H](O5)[C@@H](C)[C@H]6[C@@H]([C@H]([C@@H]([C@](O6)(CC(=O)O)O)C)OC)OC)C)OC7C[C@@H]([C@H]([C@@H](O7)C)OC)OC(C)O)C.[NH4+]</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Xiuge Gao Yani et al. Maduramicin induces apoptosis in chicken myocardial cells via intrinsic and extrinsic pathways.[J]. Toxicology in Vitro An International Journal Published in Association with Bibra 2018.