PRODUCT DATA SHEET

Tylosin

Code No.: BIA-T1549
Pack sizes: 5 mg, 25 mg

Synonyms: Dehydrorelomycin, Tylosin A

Specifications

- CAS #: 1401-69-0
- Molecular Formula: C_{46}H_{77}NO_{17}
- Molecular Weight: 916.1
- Source: Streptomyces sp.
- Appearance: White solid
- Purity: >99% by HPLC
- Long Term Storage: -20°C
- Solubility: Soluble in ethanol, methanol, DMF or DMSO. Moderater water solubility.

Application Notes

Tylosin is a 16-membered macrocyclic lactone isolated from Streptomyces fradiae in 1961. Tylosin has broad spectrum antibacterial activity and was developed as a veterinary pharmaceutical for treatment of bacterial infections in a range of domestic animals. Tylosin acts by binding to the 50S ribosomal subunit resulting in the inhibition of protein synthesis in bacteria.

References