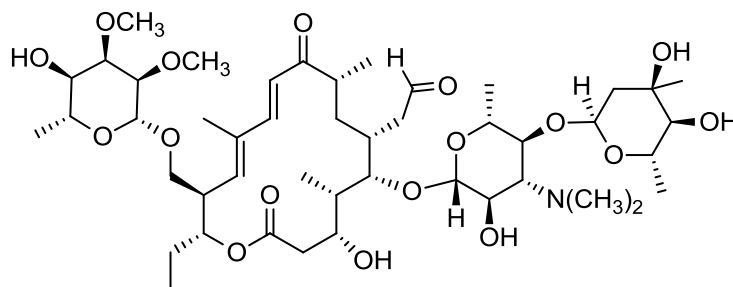


Tylosin

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	: <i>Streptomyces</i> 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

1. Tylosin, a new antibiotic. I. Microbiological studies McGuire W. S. et al. Antibiot. Chemother. 1961, 11, 328.
2. Tylosin, a new antibiotic. II. Isolation, properties, and preparation of desmycosin, a microbiologically active degradation product. Hamill R. L. et al. Antibiot. Chemother. 1961, 11, 328.
3. The structure of tylosin Morin R. B. et al. Tet. Lett. 1970, 54, 4737.

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