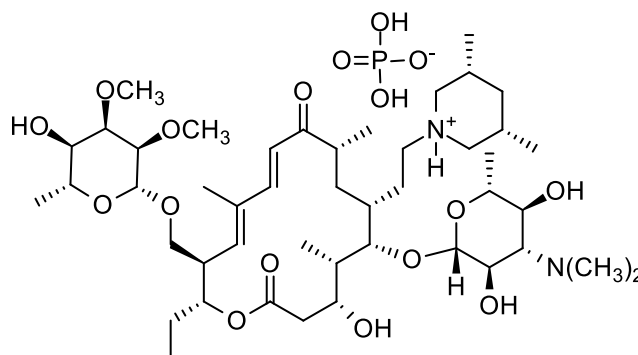


Tilmicosin phosphate

Code No.: **BIA-T1324**

Pack sizes: **25 mg, 100 mg**



Synonyms : 20-Deoxy-20-(3,5-dimethylpiperidin-1-yl)-desmycosin phosphate

Specifications

CAS #	: 137330-13-3
Molecular Formula	: C ₄₆ H ₈₃ N ₂ O ₁₇ P
Molecular Weight	: 967.1
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes

Tilmicosin phosphate is a salt of the semi-synthetic antibiotic derivative of desmycosin (tylosin B), a minor co-metabolite of tylosin, prepared by mixing the active tilmicosin with phosphoric acid to provide improved solubility and enhanced pharmacokinetics. Tilmicosin is a broad spectrum antibiotic, providing good protection against Pasteurella in livestock.

References

1. Synthesis and antimicrobial evaluation of 20-deoxo-20-(3,5-dimethylpiperidin-1-yl)desmycosin (Tilmicosin, EL-870) and related cyclic amino derivatives. Debono M. et al., J. Antibiot. 1989, 42, 1253.