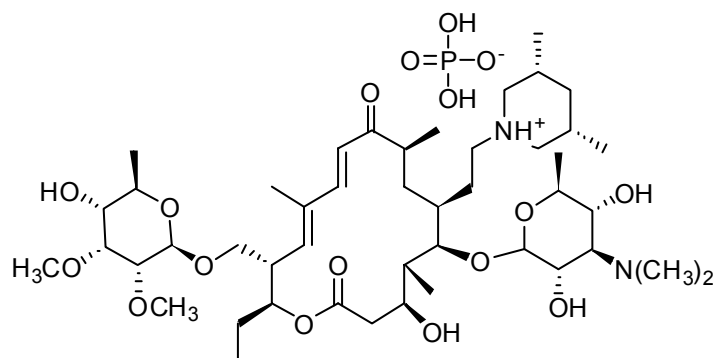


Tilmicosin phosphate

Code: **BIA-T1324**

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



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

Specifications

CAS # : **137330-13-3**
Molecular Formula : **C₄₆H₈₃N₂O₁₇P**
Molecular Weight : **967.1**
Source : **Semi-synthetic**
Appearance : **White solid**
Purity : **>98%**
Storage : **-20°C**
Solubility : **Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.**

Application Notes

Tilmicosin phosphate is the phosphate 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.

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.