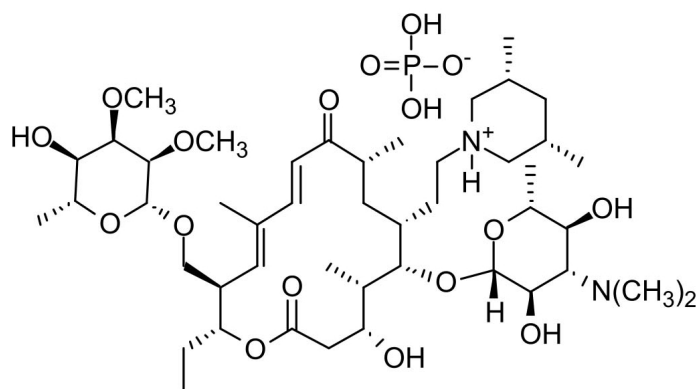


## Tilmicosin phosphate

Code No.: BIA-T1324

Pack sizes.: 25mg, 100mg



### Synonyms:

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

## Specifications

CAS #	: <b>137330-13-3</b>
Molecular Formula	: <b>C46H83N2O17P</b>
Molecular Weight	: <b>967.1</b>
Source	: -
Appearance	: <b>White solid</b>
Purity	: <b>&gt;98% by HPLC</b>
Long Term Storage	: <b>-20°C</b>
Solubility	: <b>Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.</b>

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