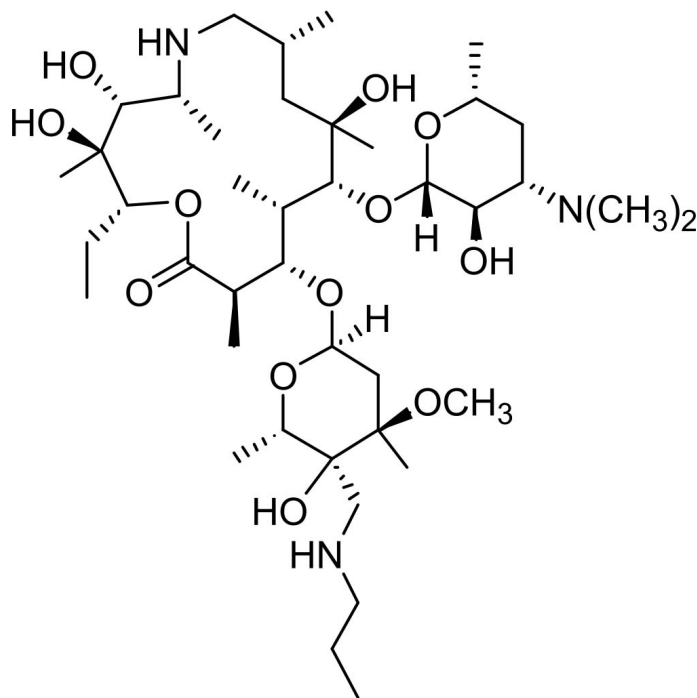


Tulathromycin

Code No.: BIA-T1370

Pack sizes.: 5mg, 25mg



Synonyms:
Tulathromycin A

Specifications

CAS #	: 217500-96-4
Molecular Formula	: C41H79N3O12
Molecular Weight	: 806.1
Source	: -
Appearance	: White solid
Purity	: >98% by NMR
Long Term Storage	: -20°C
Solubility	: Soluble in ethanol, methanol, DMF or DMSO. Good water solubility.

Application Notes

Tulathromycin is a semi-synthetic erythromycin belonging to the ring expanded aza-erythromycins. Ring expansion improves the acid lability compared with the parent erythromycins. Tulathromycin is regarded as the first of the triamilides, having a third amino (propylaminomethylene) group on a sugar to improve absorption. This modification provides a mixture of the two tulathromycin isomers (90:10) present in the commercial animal health product.

References

1. Synthesis and activity of a novel class of tribasic macrocyclic antibiotics: The triamilides. Letavic M.A. et al., *Bioorg. Med. Chem. Lett.* 2002, 12, 2771.
2. An analytical method for the analysis of tulathromycin, an equilibrating triamilide, in bovine and porcine plasma and lung. Gáler D. et al., *J. Agric. Food Chem.* 2004, 52, 2179.
3. Tulathromycin: An overview of a new triamilide antimicrobial for livestock respiratory disease. Evans N.A. *Vet. Therapeutics* 2005, 6, 83.