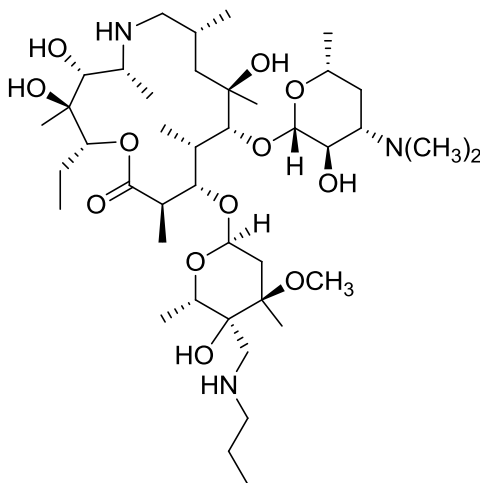


Tulathromycin

Code No.: **BIA-T1370**

Pack sizes: **5 mg, 25 mg**



Synonyms : Tulathromycin A

Specifications

CAS #	: 217500-96-4
Molecular Formula	: C ₄₁ H ₇₉ N ₃ O ₁₂
Molecular Weight	: 806.1
Source	: Semi-synthetic
Appearance	: White solid
Purity	: >98% by HPLC
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.

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