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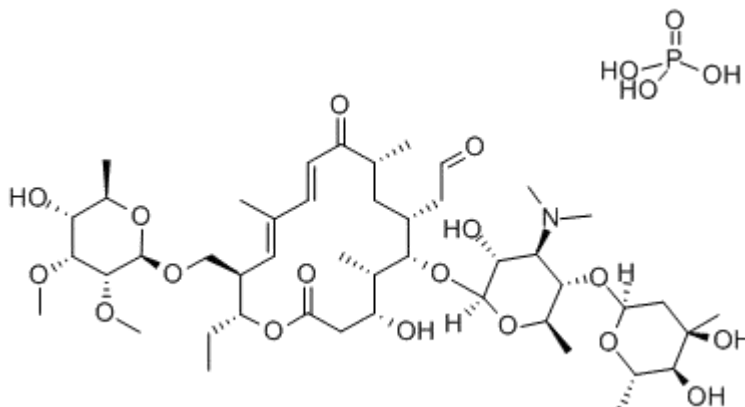
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Technical Data Sheet

Tylosin phosphate

Product Information

Chemical Name	Tylosin phosphate
CAS #	1405-53-4
Formula	C ₄₆ H ₈₀ NO ₂₁ P
Molecular Weight	1014.1
Synonyms	TYLAN;TYLOSIN PHOSPHATE



Chemical Structure

Physical Properties

Tylosin phosphate is white powder. Easily dissolved in chloroform, dissolve in water or methanol, hardly soluble in ether. 2.5% aqueous solution of the pH value should be 5.0 to 5.0.

Boiling point: 980.7° C at 760 mmHg

Flash point: 546.9°C

Vapour pressure: 0mmHg at 25° C

Specification

Items	Specification	Testing Results
Description	White to pale yellow powder	Pale yellow powder
Identification	It gives the positive reaction (2)The reaction time of the tylosin A peak in the chromatogram of the test solution correspond to that in the chromatogram of the reference solution (3)It gives the positive reaction	Complies
Solubility	Freely soluble in Chloroform; Soluble in water or Methanol; insoluble in Ether.	Complies
pH	5.0~7.5	6.4
Loss on drying	≤5.0%	2.3%
Residue on ignition	≤5.0%	0.3%
Heavy metals	≤20ppm	<20ppm
Tyramine	≤0.35%	<0.35%
Tylosin Compositions	Tylosin A≥80%	87%
	A+B+C+D≥95%	96%
Assay	≥800u/mg	928u/mg(Dried basis) 905u/mg(Wet basis)

Applications

- Mainly used for preventing and treating swine atrophy rhinitis, Campylobacter dysentery;
Beef cattle Actinomyces pyogenes cause liver abscess and chicken chronic respiratory disease
- Effect of increasing weight and improving feed reward on pigs and chickens.

Packaging

15kg/drum

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