TYLOSIN

Drug Class: Macrolide

Spectrum: Tylosin possesses broad spectrum activity against Gram positive bacteria (including anaerobic Gram positive bacteria) but has little effect on Gram negatives.

Resistance: Acquired resistance can be present in various bacteria.

Mechanism of Action: Like other macrolides, tylosin exerts bacteriostatic effects through binding to the 50S ribosomal subunit. It may also have some immunological properties that may account for some of its efficacy in the treatment of inflammatory bowel disease.

Distribution/Route of Elimination: It is well distributed, but mainly used for gastrointestinal disease in dogs and cats. It is well absorbed after oral administration and excreted back into the intestinal tract via bile. There is also some excretion of unchanged drug in urine, but tylosin is not recommended for treatment of urinary tract infections.

Adverse Effects: Adverse effects are rare.

Contraindications: The main contraindication is known hypersensitivity or adverse reaction to previous administration of tylosin or other macrolides.

Common uses: In dogs and cats, tylosin is almost exclusively used for empirically treatment of chronic diarrhea.

Dosing:

- ***10-40 mg/kg PO q24h***

Veterinary Drug Director Category: II (High Importance).

Approved veterinary products in Canada: No.