

# Tylosin

**SCHEDULING STATUS:** S4

**CURRENTLY COMPOUNDED FORMULATIONS:**

Active ingredient(s)	Injectable	Oral equine paste	Oral carnivore paste	Orals for exotics	Oral solution/suspension	Topical treatment	Shampoo	Capsules/Tablets	Oral powder
Tylosin tartrate	✓		✓					✓	

**REGISTERED PRODUCT/ TRADE NAME:** Tylan® 200 (discontinued)

**PHARMACOLOGICAL CLASSIFICATION:** Macrolide antibiotic

**PHARMACOLOGICAL ACTION:** Tylosin is thought to have the same mechanism of action as erythromycin (binds to 50S ribosome and inhibits protein synthesis) and exhibits a similar spectrum of activity. It is a bacteriostatic antibiotic. Tylosin may also have immunomodulatory effects on cell-mediated immunity.

**INDICATIONS:** Oral tylosin is sometimes recommended for the treatment of chronic colitis in small animals but controlled studies documenting its efficacy have not been performed.

**DOSAGE AND DIRECTIONS FOR USE:**

DOGS:

For small intestinal bacterial overgrowth: 10-20 mg/kg PO bid; recommended for chronic cases, may require therapy for as long as 6 weeks.

For IBD and antibiotic responsive diarrhea: 20-40 mg/kg PO bid

CATS:

For IBD: 40 mg/kg PO bid

**WARNINGS/ PRECAUTIONS/ CONTRA-INDICATIONS:**

- Tylosin is contraindicated in patients hypersensitive to it or other macrolide antibiotics.
- Most clinicians feel that tylosin is contraindicated in horses, as severe and sometimes fatal diarrheas may result from its use in that species.
- Most likely adverse effects with tylosin are pain and local reactions at intramuscular injection sites and mild gastrointestinal upset.

**REFERENCES:**

- Plumb's Veterinary Drug Handbook, Fifth edition by Donald C. Plumb
- Department of Health; Government Notice, 2012; Schedules