

Doxycycline

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
Doxycycline hyclate					✓				

REGISTERED PRODUCT/ TRADE NAME: Supadox® and various other commercially available products.

PHARMACOLOGICAL CLASSIFICATION: Tetracycline antimicrobial^[1]

PHARMACOLOGICAL ACTION: Tetracyclines are generally bacteriostatic and inhibit protein synthesis by reversibly binding to the 30S ribosomal subunits of susceptible organisms. It is also believed that tetracycline antimicrobials reversibly bind to 50S ribosomes and thus alters the permeability in susceptible organisms.^[1]

INDICATIONS: Used for the treatment of bacteria sensitive to tetracycline antimicrobials.^[1]

DOSAGE AND DIRECTIONS FOR USE:

POULTRY:

20 mg/kg BM orally in water for 5 consecutive days.

WARNINGS/ PRECAUTIONS/ CONTRA-INDICATIONS:

- Do not use in patients with a history of tetracycline sensitivity.^[1]
- Oral iron decreases tetracycline absorption.^[1]
- Do not use in pregnant and lactating animals.^[1]
- Withdrawal period: 5 days

REFERENCES:

1. Plumb's Veterinary Drug Handbook, Sixth edition, by Donald C. Plumb