

Ethoprol

Powder

For Veterinary Use Only

STATEMENT OF ACTIVE SUBSTANCE (S) AND OTHER INGREDIENTS:

Each gm contains

Amprolium HCl200mg

Ethopabate20mg

INDICATIONS:

Ethoprol Powder is indicated for the prevention and treatment of coccidiosis in chickens due to *Eimeria tenella*, *E. necatrix*, *E. acervulina*, *E. maxima*, and *E. mitis*.

PHARMACODYNAMICS:

Amprolium is an anticoccidial agent that acts as competitive inhibitor of thiamine in the parasite metabolism, and interferes with the metabolism of glucides necessities for coccidian multiplication and survival.

In in-vitro studies it was shown that the uptake of thiamine by schizonts of *Eimeria tenella* and by host intestinal cells can occur through passive diffusion or by an active, energy-and ph-dependent process. Amprolium competitively inhibited both systems, however, the parasite was shown to be more sensitive to amprolium than the host.

As shown with *Eimeria maxima* inoculated chicken, the administration of Amprolium resulted in a proportion of morphologically abnormal macrogametes and oocysts which may be considered the reason for a reduced sporulation rate.

Ethopabate is often used in combination with amprolium to improve the spectrum of efficacy. It is a folate antagonist and blocks a step in the synthesis of PABA and prevents the formation of nuclei acids and the construction of vitamins. Ethopabate affects the 2nd generation of schizonts and is most active against *E. maxima* and *E. Brunetti*.

PHARMACOKINETIC:

After oral administration absorption is low, reaching the maximum concentration 4 hours later. It is excreted mainly through faeces.

CONTRAINDICATIONS:

Do not use in layers producing eggs for human consumption.

Do not use in case of hypersensitivity to the active substance or to any of the excipients.

ADVERSE REACTIONS:

At higher doses, thiamine deficiency can occur in host but it can be prevented by addition of thiamine. Long-term treatment of high doses may result in delayed growth or poly-neuritis (caused by reversible thiamine deficiency).

TARGET SPECIES:

Poultry

DOSAGE FOR EACH SPECIES, ROUTE(S) AND METHOD OF ADMINISTRATION:

Administer the following dose orally, mixed in the drinking water.

Prophylaxis:

30gram in 100 litres of water for 5-7 days.

Treatment:

60gram in 100 litres of water for 5-7 days.

PRECAUTIONS:

Store between 15-25°C in a cool and dry place.

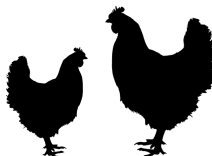
Do not use vitamin B1 during treatment.

Use medicated drinking water within 24 hours.

Keep out of the sight and reach of children.

Protect from moisture.

Innovator's Specs



Manufactured by:
Selmores Pharmaceuticals (Pvt) Ltd.
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