

ZURICOX 0.5% w/w POWDER

Description and Composition

ZURICOX 0.5% w/w POWDER is a light buff premix powder. Each kg contains 5g Diclazuril as its active ingredient.

Pharmacodynamics

Diclazuril belongs to the chemical class of triazines. Diclazuril is a nucleoside analogue thought to be involved in nucleic acid synthesis, possibly affecting later phases of coccidia differentiation. It has been shown to affect parasite wall synthesis resulting in the formation of an abnormally thickened, incomplete oocyst wall, and zygote necrosis in both *E. brunetti* and *E. maxima*. In addition, diclazuril has been shown to cause disruption of transmembrane potential of mitochondria and to induce ultrastructural changes in merozoites. Nevertheless, it is not clear if this is the true mode of action or is just a consequence of cell death.

Pharmacokinetics

Biotransformation of diclazuril in chickens and turkeys is low and the major compound found in plasma, tissues, urine and faeces is the parent substance. It was also concluded that although poorly absorbed, diclazuril is detectable in plasma soon after administration with a t_{max} of about 6 hours.

Indication

Growing turkeys: For the prevention of coccidiosis caused by *Eimeria adenoeides*, *E. gallopavonis* and *E. meleagritidis*.

Broiler chickens: For the prevention of coccidiosis caused by *Eimeria tenella*, *E. necatrix*, *E. acervulina*, *E. brunetti*, *E. mitis* (mivati), and *E. maxima*. Because diclazuril is effective against *E. maxima* later in its life cycle, subclinical intestinal lesions may be present for a short time after infection. Diclazuril was shown in studies to reduce lesion scores and improve performance and health of birds challenged with *E. maxima*.

Recommended Dose

Broiler chickens: 200g of ZURICOX 0.5% w/w POWDER per tonne of feed (equivalent to 1 part per million of Diclazuril) continuously.

Growing turkeys: 200g of ZURICOX 0.5% w/w POWDER per tonne of feed (equivalent to 1 part per million of Diclazuril) per tonne of feed continuously as the sole ration.

Route of Administration

For oral administration via feed.

Contraindications

No contraindications are known under correct usage of the product.

Warning and Precautions

Special warnings for each target species:

None known.

Special precautions for use

Special precautions to be taken by the person administering the drug to the animals:

Operators should wear protective clothing, gloves, dust mask and goggles when mixing or handling the product.

Interaction with Other Medicaments

This product should not be mixed or used simultaneously with any other anticoccidial.

Pregnancy and Lactation

Do not feed to birds producing eggs for human consumption.

Side Effects

None under correct use of the product. The product has a high degree of safety margin in the target species.

Symptoms and Treatment of Overdose

Chickens for fattening tolerated a 25-fold overdose of diclazuril for 37 days without any observable negative effects on performance, haematology, necropsy and histopathology.

Storage Condition

Store below 30°C. Protect from light.

Shelf life

3 years.

To be used within 24 hours after mixing into feed.

Withdrawal Periods

Chickens and turkeys: Zero days

Not for use in animals from which eggs are produced for human consumption.

Packing

10kg & 25kg.

Revised date: 28.8.23

	Manufacturer & Product Registration Holder
	Range Pharma Sdn Bhd No. 1, Jalan TSB 11, Taman Industri Sg. Buloh, 47000 Sg. Buloh, Selangor Darul Ehsan, Malaysia Tel: 603-61568708 Fax: 603-61568707 Email: info@rangepharma.com