

TONOVIT

INJECTION

For Veterinary Use Only

COMPOSITION:

Each ml contains

Toldimfos Sodium (M.S.) 200mg

Vitamin B₁₂ (B.P.) 0.05mg

INDICATIONS:

TONOVIT injectin is indicated for the treatment of metabolic disorders including haemoglobinuria, pica, retarded growth, infertility, reduced milk, meat & wool production, frequent bone injuries, bloat, tetanies, rickets in young animals and osteodystrophy of later stages in domestic animals.

PHARMACODYNAMICS:

Toldimfos sodium is an aromatic phosphorus compound which falls between phosphorus itself and phosphoric acid in the stages of oxidation. The effect of toldimfos sodium is simply a matter of substitution of deficient phosphorus in the body.

Vitamin B₁₂ is essential for cell growth, maturation, energy production and wool growth in domestic animals.

PHARMACOKINETICS:

The intramuscular administration of toldimfos sodium in cattle at the dose of 10mg per kg body weight led to peak blood concentration in 10 to 20 minutes. The pharmacokinetic profile corresponds to one compartment model of distribution. Toldimfos sodium is eliminated as parent compound within 24 hours through urine. Vitamin B₁₂ is quantitatively and rapidly absorbed from intramuscular and subcutaneous sites of injection. It is bound to plasma proteins and stored in the liver. Vitamin B₁₂ is excreted in the bile and undergoes some enterohepatic recycling. Absorbed vitamin B₁₂ is transported via specific B₁₂ binding proteins, transcobalamin I and II, to the various tissues. The liver is the main organ for vitamin B₁₂ storage.

DOSAGE AND ADMINISTRATION:

Administer the following dose by SC, IM or IV injection for 2 to 3 days.

Cattle / Horse: 10ml

Calves: 5ml

Sheep / Goat: 2.5ml

Dogs / Cats: 1ml

PRECAUTIONS:

Administer very slowly by IV injection.

Store below 25°C in a cool and dry place.



Manufactured by:

Selmores
Pharmaceuticals (Pvt) Ltd.
36-Km Multan Road, Lahore Pakistan.



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