

FLOSAN[®]

Powder for oral administration

Description

White water-insoluble powder.

Composition

1 kg of the drug contains:

active ingredient - florfenicol – 40 g;

excipient - semolina.

Pharmacological properties

ATCvet: QJ01BA90. Antibacterials for systemic use. Amfenicols. Florfenicol.

Florfenicol is a synthetic broad-spectrum antibiotic, which is a derivative of thiamfenicol. It demonstrates effect against *Pasteurella spp.*, *Actinobacillus pleuropneumoniae*, *Bordetella bronchiseptica*, *Salmonella spp.*, *Escherichia coli*, *Proteus spp.*, *Haemophilus spp.*, *Staphylococcus spp.*, *Streptococcus spp.*, *Shigella spp.*, *Klebsiella spp.*, *Enterobacter spp.*, *Aeromonas salmonicida*, *Campylobacter spp.*, *Edwardsiella ictaluri*, *Edwardsiella tarda*, *Flexibacter spp.*, *Yersinia pseudotuberculosis*, *Vibrio spp.*, as well as mycoplasmas (*Mycoplasma spp.*). The mechanism of action is related to inhibition of activity of microbial cell peptidyl transferase, particularly – in the area of 70S ribosomes.

After oral administration florfenicol is well (about 90%) absorbed from digestive tract and distributed in organs and tissues, reaching concentrations of 4-8 µg/g in lungs, heart, pancreatic gland, skeletal muscles, spleen. Relatively high concentrations are found in bile, kidneys, small intestine, urine. Urinary metabolites are composed of florfenicolamine, florfenicol oxamic acid, monochloroflorfenicol. About 64% of florfenicol is biotransformed into florfenicol amine – a metabolite, which is present in liver for the longest period. Half-life period of the drug makes 2.6-3.2 hours on average. It is mostly (up to 50%) eliminated from the body with urine unchanged, the rest of the drug and its metabolites are eliminated with feces.

Administration

Swine. Treatment of animals against pleuropneumonia (*Actinobacillus pleuropneumoniae*), atrophic rinitis (*Pasteurella multocida*, *Bordetella bronchiseptica*), hemophilic polyserositis (*Haemophilus parasuis*) as well as other diseases of respiratory organs caused by florfenicol-sensitive microorganisms.

Fish (carps, salmons). Treatment of fish against aeromonosis (furunculosis, red spot disease, hemorrhagic septicemia), pasteurellosis, enterosepsis, vibriosis, pseudomonosis, streptococcosis caused by florfenicol-sensitive microorganisms.

Dosage

Administer orally with feed in the following doses:

swine: 1.25 g of the drug per 10 kg body weight daily (5 mg of florfenicol per 1 kg body weight daily).

Duration of treatment – 7 days;

fish (carps, salmons): 10 mg of florfenicol per 1 kg of fish daily (25 g of the drug per 100 kg of fish).

Duration of treatment – 10 days. Divide the daily dose in two feedings for small-size and juvenile fish.

Recommended norm of ready medicated feed – 0.5-3% of total fish weight.

When treating swine against hemophilic polyserositis, administer the drug individually to every animal. Mix the drug thoroughly with feed. It is recommended to mix the drug with 3-10% of total feed quantity first and then blend the mixture obtained with the rest of the feed.

When preparing medicated feed for fish, apply the drug on the surface or add it inside the feed before extrusion. In case of individual preparation of medicated feed prepare the mixture immediately before use. In this case use the required quantity of the feed and the drug and mix them thoroughly. Use fish oil or vegetable oil in amount of 2% of ready feed weight (2 l per 100 kg of the feed) as a binding component. For better mixing administer the drug to a small quantity of the feed first and then mix the drug with the rest of the feed thoroughly until homogeneous. Mechanical stirrer may be used for preparation.

Contraindications

Do not administer to animals sensitive to florfenicol. Do not administer to pregnant and lactating animals and breeding boars. Do not feed the drug to fish if water temperature is below 5°C. Do not use

in combination with antibiotics of the penicillin group, cephalosporins and fluoroquinolones as well as thiamfenicol and chloramfenicol.

Precautions

Swine slaughter for meat is possible in 1 day, fish may be used for eating in 16 days (if water temperature is 5-10°C) and 8 days (if water temperature is above 10°C) following the last administration of the drug. Meat obtained before the mentioned term shall be utilized or fed to non-productive animals depending on the statement of veterinary physician.

Packaging

Packages of film or foil materials of 1000 g.

Storage

Store in a dark place out of the reach of children at 5-30°C.

Shelf life

2 years.