

CLOSANDOT

Closantel Sodium Dihydrate BP (Vet) Equivalent to Closantel 150 mg/mL Oral Suspension Veterinary Use Only

Description

Closantel Sodium Dihydrate BP is a highly potent **anthelmintic and ectoparasiticide** used in veterinary medicine. This formulation contains **150 mg/mL of Closantel equivalent**, delivered as a ready-to-use oral suspension.

Closantel is a **salicylamide derivative** with powerful activity against blood-feeding parasites, mainly effective against **liver flukes (*Fasciola spp.*)**, **lungworms (*Dictyocaulus spp.*)**, and some **parasitic worms and external parasites** in ruminants. It acts by uncoupling oxidative phosphorylation in parasite mitochondria, leading to energy depletion and death.

Specification

- **Composition per mL:**
 - Closantel Sodium Dihydrate BP equivalent to Closantel — 150 mg/mL
 - Excipients — q.s. to 1 mL
- **Appearance:**
Clear to slightly opalescent oral suspension, off-white to light brown in colour
- **Formulation Type:**
Ready-to-use oral suspension
- **pH Range:**
Stable in pH range 5.5–7.0
- **Packaging:**
Mono carton packaging enclosing HDPE bottle with tamper-evident cap
- **Shelf Life:**
Minimum 24 months from manufacture under recommended storage

Pharmacological Category

Anthelmintic and Ectoparasiticide

Indications

- Treatment and control of:
 - Liver fluke infections (*Fasciola hepatica*, *Fasciola gigantica*)
 - Lungworm infestations (*Dictyocaulus viviparus*)
 - Some gastrointestinal nematodes sensitive to Closantel
 - Control of certain ectoparasites such as biting lice in ruminants

Dosage and Route of Administration

- **Route:** Oral (administered directly into the mouth)
- **Recommended Dose:**
 - 7.5 mg Closantel per kg body weight (equivalent to 0.05 mL suspension per kg)
 - For example:
 - 50 kg animal: 2.5 mL suspension
 - 100 kg animal: 5 mL suspension
- Administer as a single oral dose unless otherwise directed by a veterinarian.

Advantages

- Highly effective against **liver flukes and lungworms**
- Long-lasting protection due to slow clearance from tissues
- Safe and easy oral administration
- Suitable for cattle, sheep, goats, and buffaloes
- Mono-carton packaging ensures product integrity and easy handling

Adverse Effects

- Generally well tolerated at recommended doses
- Overdose may cause neurological signs such as incoordination and tremors
- Hypersensitivity reactions are rare
- Use caution in animals with impaired liver function

Precautions

- Use only under veterinary guidance
- Do not exceed recommended dose
- Avoid use in animals with known hypersensitivity to Closantel
- Not for use in animals intended for human consumption within the withdrawal period
- Avoid use in pregnant animals unless prescribed by a veterinarian
- Accurate weight measurement is crucial to avoid toxicity

Withdrawal Period

- **Meat and Offal:** Minimum **28 days** after treatment
- **Milk:** Not recommended for use in lactating animals producing milk for human consumption

Storage and Handling

- Store below 30 °C in a dry, cool place
- Protect from direct sunlight and freezing
- Shake well before use
- Keep bottle tightly closed after use
- Dispose of empty containers in accordance with local regulations

Regulatory Classification / Schedule

- Veterinary prescription-only medicine
- **Schedule H (India)** or equivalent classification internationally
- For veterinary use only — not for human use

HS Code & HSN Code

- **HS Code (International):** 3004.90 – Other medicaments
- **HSN Code (India):** 3004.90.99 – Veterinary Medicaments (Others)

Special Instructions

- Shake well before use for uniform suspension
- Administer using calibrated dosing equipment
- Do not mix with feed or water
- Follow withdrawal periods strictly
- Use mono-carton packaging responsibly to avoid contamination

Frequently Asked Questions (FAQs)

Q: What is Closantel used for?

A: Closantel is an anthelmintic and ectoparasiticide used primarily to control liver flukes, lungworms, and some ectoparasites in ruminants.

Q: Can this product be used in lactating animals?

A: No, it is not recommended for lactating animals producing milk for human consumption.

Q: How often can this product be given?

A: Typically administered as a single dose. Repeat only under veterinary advice.

Q: Is the product safe for young animals?

A: Use in young animals should be under veterinary supervision, with appropriate dosing.

Q: How should I store this product?

A: Store below 30°C, protected from sunlight and freezing, and keep container tightly closed.

Q: What should I do if an overdose occurs?

A: Contact a veterinarian immediately; symptoms may include neurological effects.

