

Moxolunic LP Eye Drop

**Loteprednol Etabonate (0.5% w/v) +
Moxifloxacin (0.5% w/v) Eye Drops**

**Category: Combination of Corticosteroid and
Antibiotic**

Dosage Form: Sterile ophthalmic suspension

Description

This formulation combines Loteprednol Etabonate, a corticosteroid, and Moxifloxacin, a broad-spectrum fluoroquinolone antibiotic. It is designed for the treatment of inflammatory and bacterial infections of the eye. The combination reduces inflammation and pain while treating or preventing bacterial infections.

Composition (Per mL):

- **Loteprednol Etabonate: 0.5% w/v**
 - A corticosteroid with potent anti-inflammatory and immunosuppressive properties.
- **Moxifloxacin: 0.5% w/v**
 - A fourth-generation fluoroquinolone effective against a wide range of gram-positive and gram-negative bacteria.

Indications

1. **Post-Operative Ocular Inflammation and Infection Prevention**
 - After cataract surgery or other ophthalmic surgeries.
2. **Bacterial Conjunctivitis**
3. **Ocular Surface Inflammation with Bacterial Superinfection**
4. **Non-Specific Ocular Inflammation with Suspected Infection**

Dosage and Administration

Adults and Children (Above 1 Year):

- Instill 1–2 drops in the affected eye(s) every 6–8 hours or as directed by a healthcare provider.
- In severe cases, the frequency may be increased to every 2 hours during the initial 24–48 hours.

Instructions for Use:

1. Wash hands before using the drops.
2. Shake the bottle well before use.
3. Tilt the head back, pull down the lower eyelid, and instill the drops into the conjunctival sac.
4. Avoid touching the dropper tip to prevent contamination.

Mechanism of Action

1. **Loteprednol Etabonate:**
 - A soft corticosteroid with high anti-inflammatory activity. It inhibits the release of inflammatory mediators like prostaglandins and leukotrienes.
2. **Moxifloxacin:**
 - Inhibits bacterial DNA gyrase and topoisomerase IV, essential enzymes for bacterial replication and repair, leading to bacterial cell death.

Pharmacokinetics

- **Loteprednol Etabonate:**

- Minimal systemic absorption with a rapid metabolic deactivation, reducing systemic side effects.
- **Moxifloxacin:**
 - Achieves high ocular concentrations with minimal systemic exposure.

- Increased intraocular pressure.
- Corneal thinning or perforation.
- Secondary ocular infections.

Contraindications

- Hypersensitivity to Loteprednol, Moxifloxacin, or other quinolones.
- Viral, fungal, or mycobacterial infections of the eye (e.g., herpes simplex keratitis, fungal keratitis).

Warnings and Precautions

1. **Prolonged Use of Corticosteroids:**
 - May increase intraocular pressure (IOP), leading to glaucoma.
 - Risk of cataract formation with long-term use.
2. **Infections:**
 - Prolonged use may suppress host response and exacerbate infections.
3. **Contact Lens Use:**
 - Avoid wearing contact lenses during active eye infections or while using this product.
4. **Pregnancy and Lactation:**
 - Use only under medical supervision.

Storage Instructions

- Store below 25°C in a cool, dry place.
- Protect from light and do not freeze.
- Discard the bottle 4 weeks after opening.

Key Points for Use

- Do not discontinue the drops abruptly without consulting a healthcare provider.
- Monitor intraocular pressure (IOP) if used for more than 10 days.
- Seek immediate medical attention if symptoms like severe pain, vision changes, or persistent redness occur.

Note: Use under medical supervision, especially for children, pregnant women, or individuals with a history of glaucoma.

Manufactured in India for:

CafoliTM
L I F E C A R E

Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

Plot no.: 367-FF, Industrial Area Phase-I,

Panchkula-134113

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Adverse Effects

Common side effects may include:

- Temporary burning or stinging upon instillation.
- Blurred vision.
- Dry eyes or redness.

Rare but severe side effects: