

Lotprod Eye Drop

Loteprednol Etabonate (0.5% w/v) Eye Drops

Category: Corticosteroid (Ophthalmic)

Dosage Form: Sterile ophthalmic suspension

Description

Loteprednol Etabonate is a topical corticosteroid with strong anti-inflammatory properties, designed for use in ophthalmology. Its unique "soft steroid" profile ensures effective treatment of ocular inflammation with reduced risk of systemic and ocular side effects.

Composition (Per mL):

- **Loteprednol Etabonate: 0.5% w/v**

Indications

- Ocular Inflammation and Pain:**
 - Post-operative inflammation following cataract or other ocular surgeries.
- Seasonal Allergic Conjunctivitis:**
 - Reduces redness, swelling, and itching.
- Anterior Uveitis:**
 - Effective in treating inflammation of the anterior segment of the eye.
- Chronic or Acute Non-Infectious Ocular Inflammation:**
 - Includes conditions like iritis, episcleritis, or keratitis (non-infectious).

Dosage and Administration

Adults and Children (Above 2 Years):

- Instill 1–2 drops in the affected eye(s) 4 times daily, or as prescribed by a healthcare professional.
- In severe cases, the frequency may be increased during the first 24–48 hours.

Instructions for Use:

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

Mechanism of Action

Loteprednol Etabonate acts by:

- Inhibiting Inflammatory Mediators:**
 - Blocks the production of prostaglandins and leukotrienes by suppressing phospholipase A2 and the arachidonic acid pathway.
- Reducing Cellular Infiltration:**
 - Minimizes immune cell migration to inflamed tissues.

Pharmacokinetics

- **Low Systemic Absorption:** Loteprednol undergoes rapid metabolic deactivation in the eye, minimizing systemic side effects.
- **Targeted Ocular Action:** High local efficacy in managing inflammation.

Contraindications

- Viral infections of the cornea and conjunctiva (e.g., herpes simplex keratitis).
- Mycobacterial, fungal, or untreated bacterial infections of the eye.
- Hypersensitivity to Loteprednol or any of its components.

- Store at a temperature below 25°C.
- Keep the bottle tightly closed when not in use.
- Protect from light and do not freeze.
- Discard the bottle 4 weeks after opening.

Warnings and Precautions

1. **Prolonged Use:**
 - May increase intraocular pressure (IOP), potentially causing glaucoma.
 - Risk of posterior subcapsular cataracts with extended use.
2. **Infections:**
 - Corticosteroids can mask symptoms of infection or worsen existing infections.
3. **Pregnancy and Lactation:**
 - Use only if prescribed by a healthcare provider.
4. **Contact Lenses:**
 - Avoid using contact lenses during active inflammation or while on this medication.

Key Points for Use

- Do not discontinue the medication abruptly without consulting your doctor.
- Regular monitoring of intraocular pressure (IOP) is recommended if used for more than 10 days.
- Report any worsening symptoms, persistent redness, or pain immediately to your healthcare provider.

Note: Use under medical supervision, particularly for children, pregnant women, or individuals with a history of ocular conditions such as glaucoma.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

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Adverse Effects

Common side effects include:

- Temporary burning or stinging sensation.
- Blurred vision or discomfort immediately after instillation.
- Dryness or redness of the eyes.

Rare but serious side effects:

- Increased intraocular pressure.
- Secondary infections due to prolonged use.
- Thinning of the cornea or sclera.

Storage Instructions