

Brand Name: Esoreka 40 Injection

Composition: Esomeprazole Sodium for injection

Dosage Form: INJECTION

Category: PROTON PUMP INHIBITOR (PPI)

Packaging Type: VIAL

PACKAGING: 40 mg

Brief Product Introduction:

Esoreka 40 Injection is a fast-acting proton pump inhibitor (PPI) formulation manufactured by **AstraEureka Pharmaceutical**, a trusted **manufacturer of sterile injectable compositions**. The product contains **Esomeprazole**, the S-isomer of omeprazole, which offers more effective and sustained suppression of gastric acid secretion. Esoreka 40 Injection is specially designed for use in patients unable to take oral therapy and in conditions requiring rapid acid suppression.

Composition:

Each vial contains

Esomeprazole sodium.....40 mg
excipients.....q.s.

Key Ingredients:

1. **Esomeprazole Sodium (40 mg):** A highly effective gastric acid inhibitor used in acid-related gastrointestinal disorders.
2. **Pharmaceutical Excipients:** To aid solubility and ensure stability (present as part of the lyophilized or dry powder formulation).
3. **Diluent (as per label if supplied separately):** Typically used for reconstitution before administration.

Key Benefits:

1. Rapid and effective reduction of gastric acid secretion
2. Provides relief in acid-peptic conditions requiring urgent intervention
3. Effective in stress ulcer prophylaxis in ICU patients
4. Suitable for patients who cannot tolerate oral medication
5. Enhanced bioavailability compared to racemic omeprazole

Indications:

1. Gastroesophageal reflux disease (GERD) with erosive esophagitis
2. Zollinger-Ellison syndrome and other hypersecretory conditions
3. Short-term treatment of gastric and duodenal ulcers

4. Prevention of gastric ulcers induced by NSAIDs
5. Stress ulcer prophylaxis in critically ill patients
6. As part of combination therapy in *H. pylori* eradication (when IV route is required)

Directions for Use:

1. For **intravenous administration only**
2. Reconstitute with appropriate sterile diluent as recommended (usually 5 ml of 0.9% NaCl)
3. Administer as a **slow IV injection over at least 3 minutes** or as **IV infusion over 10–30 minutes**
4. Prepare and administer under aseptic conditions
5. Do not mix with other drugs in the same syringe or infusion line

Dosage and Administration:

1. **Standard Adult Dose:** 40 mg once daily
2. **In Zollinger-Ellison syndrome:** Dosage may be increased up to 80 mg twice daily under supervision
3. **Route of Administration:** Intravenous injection or infusion
4. Duration of treatment is based on the indication and clinical response
5. Once the patient is able to take oral medication, switch to oral Esomeprazole at an equivalent dose

Safety Information:

1. Not intended for long-term use unless clinically justified
2. Use cautiously in patients with severe hepatic impairment
3. Monitor magnesium levels in long-term therapy
4. Avoid in patients with known hypersensitivity to PPIs
5. Use with caution in elderly patients and those with osteoporosis (risk of fractures)

Mechanism of Action:

- Esomeprazole is a **proton pump inhibitor** that selectively and irreversibly inhibits the **H⁺/K⁺ ATPase enzyme system** (proton pump) in the gastric parietal cells.
- This action blocks the final step in acid production, thereby reducing both basal and stimulated gastric acid secretion.
- Esomeprazole offers improved acid suppression due to its higher plasma stability and better systemic availability compared to omeprazole.

Contraindications:

1. Hypersensitivity to Esomeprazole, substituted benzimidazoles, or any component of the formulation
2. Concurrent use with drugs such as atazanavir or nelfinavir (risk of reduced efficacy)
3. Not recommended for pediatric use unless specifically prescribed

Side Effects:

1. Common: Headache, abdominal pain, constipation, diarrhea, nausea
2. Less Common: Rash, flatulence, dizziness
3. Rare: Hypomagnesemia, interstitial nephritis, vitamin B12 deficiency with prolonged use
4. Injection site reactions (pain, redness, swelling)

Important Notice:

- For hospital or institutional use only
- Not for self-administration
- Use reconstituted solution immediately or as per manufacturer's instructions
- Do not exceed recommended dosage
- Always consult with a healthcare provider before initiating or discontinuing treatment

Storage Condition:

1. Store below 25°C
2. Protect from moisture and direct light
3. Reconstituted solution should be used within the specified time
4. Do not freeze
5. Keep out of reach of children

Packing Information:

- Each unit contains **1 sterile vial** of Esomeprazole 40 mg With W.F.I.