

# Twinor SV

Rx only

Brimonidine Tartrate 0.2% & Timolol 0.5%

## Preservative Free Eye Drops

### Composition

**Twinor SV Preservative Free Eye Drops:** Each mL contains Brimonidine Tartrate BP 2 mg and Timolol Maleate BP equivalent to Timolol 5 mg.

### Pharmacology

**Twinor SV** is a combination preparation of selective alpha-2 adrenergic receptor agonist, Brimonidine and a non-selective beta-adrenergic receptor inhibitor, Timolol. Brimonidine lowers IOP by a dual mechanism of action, involving a reduction in aqueous humor production and an increase in aqueous humor outflow via the uveoscleral pathway. In comparison, Timolol exerts its ocular hypotensive effect solely by reducing aqueous humor formation.

### Indications

Reduction of elevated intraocular pressure (IOP) in patients with glaucoma or ocular hypertension who require adjunctive or replacement therapy due to inadequately controlled IOP.

### Dosage and Administration

One drop in the affected eye(s) twice daily approximately 12 hours apart or as advised by the registered physician.

①



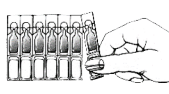
Wash hands before using the single vial

②



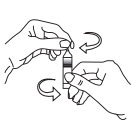
Open the pillow pack & remove the strip of single vial

③



Break off one single vial from the strip. Keep the remaining strip of single vials back in the pillow pack

④



Hold the single vial by the label end and twist the cap off.

⑤



Pull down your eyelid with a clean finger.

⑥



Bring the single vial tip close to the eye, but be careful not to touch your eye.

⑦



Gently press the single vial to release of one drop of medicine fall inside the lower eyelid.

⑧



Gently close your eyes few minutes after administration. Press a finger corner of the eyes by the nose for about 1 or 2 minutes.

### Contraindications

Contraindicated in patients who are hypersensitive to this drug or to any ingredients in the formulation.

### Side Effects

The most frequent adverse events of this combination are conjunctival hyperemia, ocular stinging, eye pruritus, allergic conjunctivitis and conjunctival folliculosis.

### Warnings & Precautions

- After instillation if signs of serious reactions or hypersensitivity occur, discontinue the use of this preparation.
- Patients who are receiving insulin or oral hypoglycaemia agents,  $\beta$ -adrenergic blocking agents should be administered with caution.
- Patients with a history of severe cardiovascular disease and hepatic impairment; caution should be exercised.
- Brimonidine and Timolol should not be administered while wearing contact lenses may be reinserted 15 minutes after use.



Do not pierce with needles



Do not cut with scissor or knife



Do not touch the nozzle/single vial tip



Close the upper part of the cap with the single vial just after the use



Discard after 12 hours of opening & keep the vial in bin

### Special Guideline

- ❖ If more than one topical ophthalmic product is to be used, other eye drops should be instilled at least 5 to 10 minutes apart.
- ❖ If using two types of eye medications such as solution and suspension, use the solution first and then use suspension.
- ❖ If using eye drops and an eye ointment, use the eye drops first then apply the ointment at least 10 minutes later.
- ❖ Don't share eye drops with another persons because sharing drops could spread germs and infection.

### Use in Pregnancy & Lactation

**Pregnancy:** There are no adequate and well controlled studies in pregnant women. It should be used during pregnancy only if the potential benefit to the mother justifies the potential risk to the fetus.

**Lactation:** Timolol has been detected in human milk following oral and ophthalmic drug administration. It is not known whether brimonidine passes into human breast milk. So, caution should be exercised to administered nursing mother.

### Use in Children & Adolescents

Safety and effectiveness in children below the age of 2 years have not been established.

### Drug Interactions

No drug interaction studies have not been conducted.

### Overdose

There is limited data available of overdosage in humans with the use of **Brimonidine** and **Timolol**. Bradycardia has been reported in association with use of a higher than recommended dose. If over dose occurs, treatment should be symptomatic and supportive, a patent airway should be maintained.

### Storage

Store at 15°-25°C, away from light and in a dry place. Do not refrigerate or freeze. Keep out of the reach of children.

### Packaging

**Twinor SV Preservative Free Eye Drops:** Each box contains 4 X 7's vials in Alu-Alu pillow pack & a patient information leaflet. Each single vial contains 0.2 mL of eye drops.

Manufactured by:

**UNIDO**  
Pharmaceutical Limited  
Batpara, Narsingdi, Bangladesh.

PM 2040

