

# Glycovent™

Glycopyrronium Bromide

## COMPOSITION

**Glycovent™** Nebuliser Solution: Each ampoule contains Glycopyrronium Bromide EP 25 mcg in 1 ml Nebuliser Solution.

## INDICATION

**Glycovent™** Nebuliser Solution is indicated for the long-term maintenance treatment of airflow obstruction in patients with chronic obstructive pulmonary disease (COPD), including chronic bronchitis and/or emphysema.

## PHARMACOLOGY

Glycopyrronium bromide a long-acting muscarinic antagonist, which is often referred to as an anticholinergic. It has similar affinity to the subtypes of muscarinic receptors M1 to M5. In the airways, it exhibits pharmacological effects through inhibition of M3 receptor at the smooth muscle leading to bronchodilation.

## DOSAGE & ADMINISTRATION

The **Glycovent™** nebulizer solution is intended only for inhalation with high-efficiency mesh nebulizer and should not be taken orally or administered parenterally.

The recommended dose of **Glycovent™** is the inhalation of the contents of one ampoule twice-daily with high-efficiency mesh nebulizer.

**Glycovent™** should be administered at the same time of the day, (1 ampoule in the morning and 1 ampoule in the evening), every day.

More frequent administration or a greater number of inhalations (more than 1 ampoule twice daily) of Glycopyrronium Bromide inhalation solution is not recommended.

Store the ampoule in the blister foil, and only remove IMMEDIATELY BEFORE USE.

No dosage adjustment is required for geriatric patients, patients with hepatic impairment, or patients with mild to moderate renal impairment.

## HOW TO USE

Step 1: Open the packet and remove the blister. Carefully separate an ampoule from the blister.

Step 2: Twist off the top. Always hold the ampoule upright.

Step 3: Squeeze the desired amount of the Nebuliser Solution into the Nebuliser chamber.

Step 4: If dilution is needed follow the doctors instruction.

## CONTRAINDICATIONS

Glycopyrronium Nebuliser solution is contraindicated in patients with a hypersensitivity to Glycopyrronium bromide or any of the ingredients.

## SPECIAL WARNINGS & PRECAUTION

- \* Do not initiate in acutely deteriorating COPD or to treat acute symptoms
- \* If paradoxical bronchospasm occurs, discontinue LONHALA MAGNAIR immediately and institute alternative therapy
- \* Worsening of narrow-angle glaucoma may occur. Use with caution in patients with narrow-angle glaucoma & instruct patients to contact a physician immediately if symptoms occur
- \* Worsening of urinary retention may occur. Use with caution in patients with prostatic hyperplasia or bladder neck obstruction and instruct patients to consult a physician immediately if symptoms occur.
- \* As the product contains no preservative, a fresh ampoule should be used for each dose and ampoule should be opened immediately before administration. Do not store above 25°C.

## DRUG INTERACTIONS

Anticholinergics: There is a potential for an additive interaction with concomitantly used anticholinergic medications. Therefore, avoid unnecessary co-administration of Glycopyrronium nebuliser solution with other anticholinergic-containing drugs as this may lead to an increase in anticholinergic effects

Sympathomimetics and Steroids: In clinical studies, concurrent administration of Glycopyrronium nebuliser solution and other drugs commonly used in the treatment of COPD including sympathomimetics (long and short-acting beta2 agonists), anticholinergics (short-acting anti-muscarinic antagonists) and oral and inhaled steroids showed no increases in adverse drug reactions.

## ADVERSE REACTIONS

Most common adverse reactions are dyspnea and urinary tract infections.

## PREGNANCY & LACTATION

There are no adequate and well-controlled studies in pregnant women and lactating mother.

## STORAGE CONDITION

Store below 25°C, keep away from light. Keep out of the reach of the children.

## HOW SUPPLIED

**Glycovent™** Nebuliser Solution: Each box contains 10 ampoules in blister packs.

Manufactured by



**SQUARE**  
PHARMACEUTICALS LTD.  
BANGLADESH