

LESAL

Levosalbutamol

1 mg Tablet
2 mg Tablet
1 mg/5 ml Syrup

DESCRIPTION

LESAL (Levosalbutamol) is a beta-2 receptor agonist bronchodilator, used in obstructive pulmonary diseases. Levosalbutamol is the therapeutically active isomer (R-enantiomer) of Salbutamol. Clinical studies indicated that Levosalbutamol shows the same bronchodilation effect at ¼ th dose of Salbutamol. Activation of beta-2 receptors by Levosalbutamol leads to relax the smooth muscles of all airways from the trachea to terminal bronchioles, enhancement of mucociliary clearance and inhibition of cholinergic neurotransmission.

COMPOSITION

LESAL-1 Tablet □ Each tablet contains Levosalbutamol Sulphate INN equivalent to 1 mg Levosalbutamol

LESAL-2 Tablet □ Each tablet contains Levosalbutamol Sulphate INN equivalent to 2 mg Levosalbutamol

LESAL Syrup □ Each 5 ml syrup contains Levosalbutamol Sulphate INN equivalent to 1 mg Levosalbutamol

INDICATION

LESAL (Levosalbutamol) is indicated for relief and prevention of bronchospasm in patients with reversible obstructive airway diseases-acute and chronic bronchial asthma, bronchitis, emphysema, bronchiectasis or other obstructive pulmonary diseases and exercise-induced bronchospasm (EIB).

DOSAGE AND ADMINISTRATION

Dosage should be individualized, depending on patient's condition and response.

Adults : 0.50 mg to 1 mg (**2.5 ml-5 ml LESAL Syrup**/**1/2-1 LESAL-1 Tablet**) 3-4 times daily. In severe case, 2 mg (**10 ml LESAL Syrup**/**1 LESAL-2 Tablet**) 3-4 times daily.

Children 2-6 years : 0.25 mg-0.50 mg (**1.25 ml-2.5 ml LESAL Syrup**) 3-4 times daily.

Children 6-11 years : 0.50 mg (**2.5 ml LESAL Syrup**) 3-4 times daily.

CONTRAINDICATION

LESAL is contraindicated in patients with known hypersensitivity to Levosalbutamol.

PRECAUTION

Hypokalemia : Potentially serious hypokalemia may result from beta-2 agonist therapy. Particular caution is advised in acute severe asthma as this effect may be potentiated by hypoxia and by concomitant treatment with xanthine derivatives, steroids and diuretics. Serum potassium levels should be monitored in such situations. **Cardiovascular effects** : Levosalbutamol should be used with caution in patients with cardiovascular disorders, especially coronary insufficiency, cardiac arrhythmias or hypertension. Patients should be cautioned about potential adverse cardiovascular effects such as palpitations, tremors, nervousness or chest pain.

IN PREGNANCY AND LACTATION

Pregnancy : Should be considered only if the expected benefit to the mother is greater than any possible risk to the foetus. **Lactation** : It is not known whether Levosalbutamol is excreted in human milk. Caution should be exercised when Levosalbutamol is administered to a nursing woman.

SIDE EFFECT

Hypokalemia, palpitation, fine tremors of the skeletal muscle particularly the hand, muscle cramps, nervousness, headache, dizziness, fatigue and sleeplessness.

DRUG INTERACTION

Other bronchodilators or epinephrine : should be used with caution with Levosalbutamol to avoid deleterious cardiovascular effects. **Beta-blockers** : May block the bronchodilating effect of Levosalbutamol and may also produce severe bronchospasm in asthmatic patients. **Diuretics** : May worsened non-potassium sparing diuretic's (such as loop or thiazide diuretics) hypokalemia effects. **Digoxin** : Serum digoxin levels decreased. **MAOI or TCA** : The action of Levosalbutamol on the vascular system may be potentiated.

OVERDOSAGE

The expected symptoms with overdosage are tachycardia, arrhythmias, nervousness, headache, tremor, dry mouth, palpitation, nausea, dizziness, fatigue, sleeplessness and hypokalemia

STORAGE

Store in cool dry place and away from light. Keep out of the reach of children.

HOW SUPPLIED

LESAL-1 Tablet □ : □ Box containing 5 x10 tablets in blister strips.

LESAL-2 Tablet □ : □ Box containing 5 x10 tablets in blister strips.

LESAL Syrup 60 ml □ : □ Bottle containing 60 ml Syrup.

LESAL Syrup 100 ml □ : □ Bottle containing 100 ml Syrup.



Manufactured by
Apex Pharma Ltd.
Shafipur, Gazipur