

Dozyfyle 650 SR Tablet

Doxofylline 650mg SR Tablets

Category:

Bronchodilator (Respiratory System)

Dosage Form:

Sustained Release (SR) Tablet

Strength:

Doxofylline 650 mg per tablet

Description:

Doxofylline is a xanthine derivative used as a bronchodilator. It is primarily indicated for the treatment of chronic obstructive pulmonary disease (COPD), asthma, and other respiratory disorders. Doxofylline works by relaxing the muscles in the airways and improving airflow to the lungs. The sustained-release formulation (SR) ensures a prolonged therapeutic effect, allowing for once-daily dosing, which enhances patient compliance.

Composition (per tablet):

- **Doxofylline: 650 mg**
- **Inactive ingredients:**
Microcrystalline cellulose,
hypromellose, magnesium stearate,
and other excipients.

Indications:

- 1. Chronic Obstructive Pulmonary Disease (COPD):**
 - For the symptomatic treatment of COPD and to help prevent bronchospasm.
 - 2. Asthma:**
 - Doxofylline is used as an adjunct therapy in asthma to relieve bronchoconstriction and improve airflow.
 - 3. Other Respiratory Disorders:**
 - It can be used to alleviate symptoms in conditions characterized by reversible airway obstruction.
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Mechanism of Action:

Doxofylline is a methylxanthine derivative that works by inhibiting phosphodiesterase (PDE), an enzyme responsible for the breakdown of cyclic AMP (cAMP). The increase in cAMP levels leads to smooth muscle relaxation, bronchodilation, and a reduction in airway inflammation. Additionally, doxofylline also helps in the reduction of mucus secretion, making it easier to breathe.

Dosage and Administration:

- **For Adults (COPD, Asthma, and other respiratory disorders):**

- The usual dose is 650 mg once daily.
- Doxofylline SR tablets should be swallowed whole with a glass of water. Do not chew or crush the tablet.
- It is typically taken in the morning or as prescribed by a healthcare provider.

Note: The dosage may vary based on individual response, severity of symptoms, and the presence of other medical conditions. Always follow the doctor's instructions for dosing.

Contraindications:

- **Hypersensitivity: Known** hypersensitivity to doxofylline or any of the excipients in the formulation.
 - **Acute Bronchospasm:** Doxofylline is not suitable for the immediate treatment of acute asthma or bronchospasm.
 - **Severe Renal or Hepatic Impairment:** Use with caution in patients with severe kidney or liver dysfunction, as it may require dosage adjustments.
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Precautions:

- 1. Renal and Hepatic Dysfunction:**
 - Caution is required in patients with renal or hepatic impairment. Dose adjustments may be necessary.
 - Regular monitoring of kidney and liver function is recommended during treatment.

2. Cardiovascular Diseases:

- Doxofylline should be used cautiously in patients with a history of heart disease, arrhythmias, or hypertension, as xanthine derivatives may cause palpitations, tachycardia, or other cardiac issues.

3. Electrolyte Imbalance:

- Care should be taken in patients with electrolyte imbalances (e.g., low potassium levels) due to the risk of adverse effects on the heart.

4. Pregnancy and Breastfeeding:

- The safety of doxofylline in pregnancy has not been well established. It should be used only if clearly needed and under the guidance of a healthcare provider.
 - It is unknown whether doxofylline is excreted in breast milk, so caution is advised when administering to breastfeeding mothers.
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Adverse Effects:

Common Side Effects:

- Nausea
- Vomiting
- Headache
- Abdominal discomfort
- Dizziness

Serious Side Effects (Rare):

- Tachycardia (rapid heart rate)
- Palpitations
- Tremors

- Seizures (in case of overdose)
- Electrolyte imbalance (e.g., hypokalemia)
- Allergic reactions (e.g., rash, swelling, breathing difficulties)

- Store in the original container, tightly closed.
- Keep out of the reach of children.
- Do not use after the expiration date mentioned on the packaging.

Drug Interactions:

1. **Beta-agonists (e.g., salbutamol):**
 - Combined use with other bronchodilators may increase the risk of side effects such as tremors, tachycardia, or palpitations.
2. **Corticosteroids:**
 - Increased risk of side effects like potassium depletion when used together. Regular monitoring is advised.
3. **Other xanthine derivatives (e.g., theophylline):**
 - May increase the risk of toxic effects (e.g., seizures, arrhythmias). Dose adjustments may be necessary.
4. **Antibiotics (e.g., ciprofloxacin, erythromycin):**
 - Certain antibiotics can increase the serum levels of doxofylline, potentially leading to toxicity.
5. **Cimetidine (H2 blockers):**
 - May reduce the clearance of doxofylline, increasing the risk of side effects.

Key Benefits:

- **Effective Bronchodilation:** Helps relieve bronchoconstriction, improving airflow and reducing symptoms of respiratory disorders like COPD and asthma.
- **Sustained Release (SR) Formulation:** Provides prolonged therapeutic effects with once-daily dosing, enhancing patient compliance.
- **Improved Respiratory Function:** Helps in reducing wheezing, breathlessness, and other symptoms associated with chronic respiratory conditions.

Note: Always follow the healthcare provider's instructions for dosage, and consult a doctor if you experience any adverse effects or if your symptoms worsen. Regular check-ups may be required for patients with existing heart or kidney conditions.

Manufactured in India for:



Cafoli Lifecare Pvt. Ltd.

(An ISO 9001: 2015 Certified Co.)

Plot no.: 367-FF, Industrial Area Phase-I,

Panchkula-134113

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Storage Instructions:

- Store at room temperature (between 15°C to 30°C).
- Keep away from moisture and direct sunlight.