

PRESCRIBING INFORMATION

LEMONT

COMPOSITION

Each tablet contains:

Montelukast 10mg

Levocetirizine 5mg

DESCRIPTION

Montelukast is a selective and orally active leukotriene receptor antagonist that inhibits the cysteinyl leukotriene CysLT₁ receptors.

Levocetirizine is a selective histamine H₁ antagonist used to treat a variety of allergic symptoms. It is the R enantiomer of cetirizine. Levocetirizine has greater affinity for the histamine H₁ receptor than cetirizine.

PHARMACOLOGY

PHARMACOKINETICS

Montelukast

Absorption: is quickly absorbed following administration by the oral route

Volume of distribution: 8 to 11 litres

Protein binding: 99%

Half life: 2.7-5.5 hours

Metabolism: highly metabolized and typically so by the cytochrome P450, 3A4, 2C8, and 2C9 isoenzymes.

Excretion: about 86% of Montelukast and its metabolites are almost exclusively **excreted** in the bile and into the feces.

Levocetirizine

Absorption: rapidly and extensively absorbed following oral administration. In adults, peak plasma concentrations are achieved 0.9 hour after administration of the oral tablet

Volume of distribution: approximately 0.4 L/kg

Protein binding: 91-92%

Metabolism: poorly metabolized and mostly excreted via the urine

Route of elimination: renal excretion

Half life: 8-9 hours

Clearance: 0.63 mL/kg/min

PHARMACODYNAMICS

Montelukast

Montelukast is a highly selective leukotriene receptor antagonist



Binds with high affinity to the cysteinyl leukotriene receptor for leukotrienes D4 and E4



Inhibits leukotriene physiologic effects (such as airway edema, smooth muscle contraction and impairment of normal cellular activity)



In asthmatics, low doses of montelukast (5 mg) induce a significant inhibition of bronchoconstriction caused by leukotriene D4

Levocetirizine

Levocetirizine, the active enantiomer of cetirizine (anti-histamine)



Its principal effects are mediated via selective inhibition of H1 receptors

INDICATIONS

- Seasonal and perennial allergic rhinitis
- Allergic dermatitis
- Chronic urticaria
- Atopic eczema
- Exercise- induced asthma
- Add on therapy to chronic persistent asthma

DOSAGE

This medication is taken orally with or without food usually once daily in the evening.

SIDE EFFECTS

Montelukast: skin rash, mood changes, tremors, headache, stomach pain, heart burn, upset stomach, nausea, diarrhoea, tooth pain, tiredness, fever, stuffy nose, sore throat, cough & hoarseness.

Levocetirizine: dry mouth, fatigue, runny or stuffy nose, sore throat, central nervous system depression, drowsiness, sedation, dizziness, insomnia, blurred vision, impotence, hypertension, wheezing, sweating, ECG changes & tinnitus.

CONTRAINDICATIONS

Montelukast: Hypersensitivity to any components of this product.

Levocetirizine: Hypersensitivity, lower respiratory disease, preemies and neonates, nursing women, end stage renal disease/ patient undergoing haemodialysis, children aged 6 months to 11years with renal impairment.

WARNINGS & PRECAUTIONS

Montelukast should not be used during sudden asthma attack, to treat status asthmaticus. It should not be used in place of inhaled/ oral corticosteroids. This drug also may increase risk of mental health problems.

Levocetirizine should not be used if you are allergic to any of its ingredient and should be kept out of the reach of children.

DRUG INTERACTIONS

Montelukast

- Acetaminophen
- Fluticasone / salmeterol
- Albuterol
- Fexofenadine
- Aspirin
- Diphenhydramine
- Loratadine
- Duloxetine

Levocetirizine

- Isocarboxazid
- Tranylcypromine
- Clobazam
- Hyaluronidase
- Lurasidone
- Phenelzine
- Ritonavir
- Dyphylline
- Theophylline

PREGNANCY AND LACTATION

Pregnancy Category B

Lemont is expected to be excreted in breast milk.

PRESENTATION

Lemont is available in an alu-alu blister of 10 Tablets.

Each box contains 10x 10`s.

STORAGE

Keep in a cool, dry place and away from heat.

Protect from light and moisture.

Keep out of the reach of children.

TARGETED DOCTORS

- Chest physician
- ENT
- Pulmonologist
- Dermatologist
- GP
- Physician

COMPETITORS

S.N.	BRAND NAME	MANUFACTURER	STRENGTH	MRP
1.	LUKAST PLUS	MAGNUS	Montelukast 10mg+ Levocetirizine 5mg	Rs. 19.00