

Azmet
Salbutamol

COMPOSITION

Azmet Syrup: Each 5 ml syrup contains Salbutamol Sulphate BP equivalent to Salbutamol 2 mg.

PHARMACOLOGY

Azmet (Salbutamol) is a beta-2-adrenergic agonist drug which produces bronchodilatation through stimulation of beta-2-adrenergic receptors of intracellular adenylyl cyclase, the enzyme that catalyzes the conversion of adenosine triphosphate (ATP) to cyclic-3',5'-adenosine monophosphate (cyclic AMP). Increased cyclic AMP levels are associated with relaxation of bronchial smooth muscle and inhibition of release of mediators of immediate hypersensitivity from cells, especially from mast cells.

INDICATION

It is indicated for the relief of bronchospasm in bronchial asthma of all types, chronic or acute, reversible airway obstruction, chronic obstructive pulmonary disease, chronic bronchitis and exacerbation of chronic bronchitis and emphysema. It is also used in the prevention of exercise-induced bronchospasm, premature labour.

DOSAGE AND ADMINISTRATION

Adults and Children over 12 years: 2-4 mg tablet or 1-2 teaspoonfuls syrup three or four times daily.

Children of 6-12 years: 2 mg tablet or 1 teaspoonful syrup three or four times daily.

Children of 2-6 years: 1-2 mg tablet or ½ teaspoonful syrup three or four times daily or as directed by the registered physician.

CONTRAINDICATION:

Salbutamol is contraindicated in patients with a history of hypersensitivity to Salbutamol or any of its components.

SIDE EFFECTS

Salbutamol may cause fine tremor of skeletal muscles (particularly the hands), palpitations and muscle cramps. Tachycardia, tenseness, headaches and peripheral vasodilatation have been reported after large doses.

PRECAUTIONS

Salbutamol should be used with caution in patients with hyperthyroidism, cardiovascular disease, occlusive vascular disorders, hypertension and aneurysms. Hypokalaemia associated with high doses of Salbutamol may result in increased susceptibility to digitalis-induced cardiac arrhythmias. Tachyphylaxis with resistance may occur with prolonged use of high dosage. Care is necessary when treating patients with diabetes mellitus or closed-angle glaucoma, and in those receiving antihypertensive therapy.

USE IN PREGNANCY AND LACTATION

Pregnancy: The drug should be used during pregnancy only if the potential benefit justifies the potential risk of the fetus.

Lactation: It is not known whether this drug is excreted in human milk. Because of the potential of tumorigenicity shown for Salbutamol in some animal studies, a decision should be made whether to discontinue nursing or to discontinue the drug, taking into account the importance of the drug to the mother.

OVERDOSAGE

The symptoms with overdose are angina, headache, nausea, vomiting, tremor etc. The preferred antidote for overdose with Salbutamol is a cardio-selective beta-blocking agent but beta-blocking drugs should be used with caution in patients with a history of bronchospasm.

PHARMACEUTICAL PRECAUTION

It should be stored in a cool and dry place, protected from light and moisture.

HOW SUPPLIED

Azmet 100 ml Syrup: Each bottle contains 100 ml suspension with a measuring spoon.

Azmet 60 ml Syrup: Each bottle contains 60 ml suspension with a measuring spoon.

Manufactured by

MEDICON Pharmaceuticals Ltd.
Mirpur, Dhaka, Bangladesh