

ALBUTEROL (PROVENTIL)

Drug Classification: Adrenergic bronchodilator; beta agonist

BACKGROUND

Pharmacodynamics

Binds and stimulates beta₂ receptors, resulting in relaxation of bronchial smooth muscle. The action of albuterol sulfate may last 6 hours or more.

Indications

- Relief of acute bronchospasm.

Contraindications

- Allergy or known hypersensitivity to albuterol.

Cautions

- Albuterol sulfate can produce clinically significant cardiovascular effects in some patients. Use with caution in patients with heart disease, hypertension, diabetes, the elderly and those taking tricyclic antidepressants.

DOSAGE and ADMINISTRATION

ADULT	PEDIATRICS (less than 60 kg)
<ol style="list-style-type: none">1. Pour contents of one unit dose bottle (2.5 mg = 3 ml of 0.083% solution) into nebulizer reservoir.2. Connect nebulizer to oxygen source at 6-8 liters per minute.3. Continuous albuterol may be given via nebulizer as needed.	<ol style="list-style-type: none">1. Pour contents of one unit dose bottle (2.5 mg = 3 ml of 0.083% solution) into nebulizer reservoir.2. Connect nebulizer to oxygen source at 6-8 liters per minute.3. Continuous albuterol may be given via nebulizer as needed.

ADVERSE REACTIONS/SIDE EFFECTS

- Tremors, bronchospasm, dizziness, nausea, headache, arrhythmias, and chest pain

NOTES

REFERENCE GUIDELINE:

2E Hyperkalemic Arrest 3B Asthma, COPD, and Bronchospasm
3C Acute Pulmonary Edema 5A Allergic Reaction/Anaphylaxis