

•SALMETEROL

Class: Beta2 Agonist; Beta2-Adrenergic Agonist, Long-Acting

Indications:

Maintenance treatment of asthma and prevention of bronchospasm (as concomitant therapy) in patients with reversible obstructive airway disease, including patients with symptoms of nocturnal asthma; prevention of exercise-induced bronchospasm (monotherapy may be indicated in patients without persistent asthma); maintenance treatment of bronchospasm associated with COPD

Available dosage form in the hospital:

- SALMETEROL 50MCG POWDER FOR INHALATION
- SALMETROL 25 MCG INHALER
- SALMETROL 50 MCG INHALER

Dosage:

- Asthma, maintenance and prevention:** Inhalation, powder (50 mcg/inhalation): One inhalation twice daily (~12 hours apart); maximum: 1 inhalation twice daily. **Note:** For asthma control, long acting beta₂-agonists (LABAs) should be used in combination with inhaled corticosteroids and not as monotherapy.
- Exercise-induced asthma, prevention:** Inhalation, powder (50 mcg/inhalation): One inhalation at least 30 minutes prior to exercise; additional doses should not be used for 12 hours; should not be used in individuals already receiving salmeterol twice daily. **Note:** Because LABAs may disguise poorly controlled persistent asthma, frequent or chronic use of LABAs for exercise-induced bronchospasm is discouraged by the NIH Asthma Guidelines (NIH, 2007).
- COPD maintenance:** Inhalation, powder (50 mcg/inhalation): One inhalation twice daily (~12 hours apart); maximum: 1 inhalation twice daily.

Geriatric

Refer to adult dosing.

Renal Impairment:

No dosage adjustment provided in manufacturer's labeling.

Hepatic Impairment:

No dosage adjustment provided in manufacturer's labeling (has not been studied). Use with caution.

Common side effect:

Central nervous system: Headache (13% to 17%)
Neuromuscular & skeletal: Pain (1% to 12%)

Pregnancy Risk Factor: C.