

# Salbutamol Sulfate

**Salbutamol** or **albuterol** (USAN) is a short-acting  $\beta_2$ -adrenergic receptor agonist used for the relief of bronchospasm in conditions such as asthma and chronic obstructive pulmonary disease. It is marketed as **Ventolin** among other brand names.

Salbutamol was the first selective  $\beta_2$ -receptor agonist to be marketed — in 1968. It was first sold by Allen & Hanburys under the brand name *Ventolin*. The drug was an instant success, and has been used for the treatment of asthma ever since.

**Salbutamol sulfate** is usually given by the inhaled route for direct effect on bronchial smooth muscle. This is usually achieved through a metered dose inhaler (MDI), nebulizer or other proprietary delivery devices (e.g. Rotahaler or Autohaler). In these forms of delivery, the maximal effect of salbutamol can take place within five to twenty minutes of dosing, though some relief is immediately seen. It can also be given orally as an inhalant or intravenously.

Product Name :	<b>SALBUTAMOL SULFATE</b>
CAS No.	51022-70-9
Molecular Formula	$2(C_{13}H_{21}NO_3)H_2O_4S$
Molecular Weight	576.7
Description	White Crystal
Assay on Dry Basis	98%w/w - 101%w/w