



# LKT Laboratories, Inc.

## Salbutamol Sulfate

Phone: 888-558-5227  
651-644-8424  
Fax: 888-558-7329  
Email: [getinfo@lktlabs.com](mailto:getinfo@lktlabs.com)  
Web: [lktlabs.com](http://lktlabs.com)

### Product Information

**Product ID** S0045

**CAS No.** 51022-70-9

**Chemical Name**  $\alpha$ 1-[[[(1,1-Dimethylethyl)amino]methyl]-4-hydroxy-1,3-benzenedimethanol sulfate

**Synonym** Aerolin, Asmaven, Ecovent, Loftan, Salbumol, Salbuvent, Venetlin, Volmax, salbutamol hemisulfate

**Formula**  $(C_{13}H_{21}NO_3)_2 \cdot H_2SO_4$

**Formula Wt.** 576.70

**Melting Point** 180° C

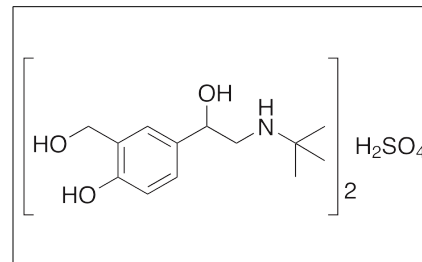
**Purity**  $\geq 98\%$

**Solubility** Soluble in water. Slightly soluble in ethanol.

**Store Temp** Ambient

**Ship Temp** Ambient

**Description** Salbutamol is a short-acting agonist at  $\beta_2$ -adrenergic receptors that is clinically used to treat asthma and chronic obstructive pulmonary disorder (COPD). Salbutamol exhibits bronchodilatory, anti-asthma, tocolytic, antioxidative, and anti-inflammatory activities. In vivo, salbutamol decreases carrageenan-induced inflammation and nociception, suppresses activity of myeloperoxidase, and increases activity of superoxide dismutase and levels of glutathione.



**Bulk quantities available upon request**

Product ID	Size
S0045	25 mg
S0045	50 mg
S0045	100 mg
S0045	500 mg

**References** Matsumoto K, Aizawa H, Fukuyama S, et al. Low-dose salbutamol suppresses airway responsiveness to histamine but not methacholine in subjects with asthma. *Respir Investig*. 2013 Sep;51(3):158-65. PMID: 23978642.

Uzkeser H, Cadirci E, Halici Z, et al. Anti-inflammatory and antinociceptive effects of salbutamol on acute and chronic models of inflammation in rats: involvement of an antioxidant mechanism. *Mediators Inflamm*. 2012;2012:438912. PMID: 22665951.

**Caution:** This product is intended for laboratory and research use only. It is not for human or drug use.