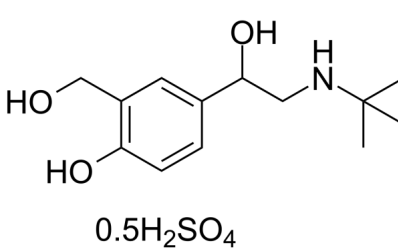


## Certificate of Analysis

Catalog Number	BP12709
Product Name	Salbutamol hemisulfate

## Physical and Chemical Properties

Synonyms	Ventolin Sulfate, Salbutamol Sulfate, Albuterol, Albuterol Sulfate, Bronchospray
CAS No.	51022-70-9
Chemical Formula	C <sub>26</sub> H <sub>44</sub> N <sub>2</sub> O <sub>10</sub> S
Molecular Weight	576.7
Solubility	DMSO: Insoluble H <sub>2</sub> O: 10 mM
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>0.5H<sub>2</sub>SO<sub>4</sub></p>

## Product Information

Description	Salbutamol Sulfate is a short-acting $\beta$ 2-adrenergic receptor agonist with an IC50 of 8.93 $\mu$ M.
Targets&IC50	$\beta$ 2-adrenergic receptor:8.93 $\mu$ M

## Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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