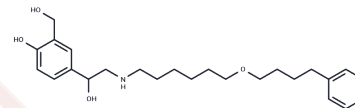


## Salmeterol

## Chemical Properties

CAS No. : 89365-50-4  
 Formula: C<sub>25</sub>H<sub>37</sub>NO<sub>4</sub>  
 Molecular Weight: 415.57  
 Appearance: no data available  
 Storage: keep away from direct sunlight  
 Powder: -20°C for 3 years | In solvent: -80°C for 1 year



## Biological Description

Description	Salmeterol (GR33343X) is a long-acting agonist of beta2-adrenergic receptor (beta 2AR) used for treatment of asthma.
Targets(IC50)	Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 100 mg/mL (240.63 mM), Sonication is recommended. ( $< 1$ mg/mL refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4063 mL	12.0317 mL	24.0633 mL
5 mM	0.4813 mL	2.4063 mL	4.8127 mL
10 mM	0.2406 mL	1.2032 mL	2.4063 mL
50 mM	0.0481 mL	0.2406 mL	0.4813 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

## Reference

Rong, Y., et al., Probing the salmeterol binding site on the beta 2-adrenergic receptor using a novel photoaffinity ligand, [(125)I]iodoazosalmeterol. Biochemistry, 1999. 38(35): p. 11278-86.

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