

Fenoterol

Chemical Properties

CAS No. : 13392-18-2

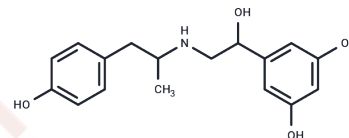
Formula: C₁₇H₂₁NO₄

Molecular Weight: 303.35

Store at low temperature

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



Biological Description

Description	Fenoterol is an agonist of β 2-adrenergic receptor It is classed as sympathomimetic beta agonist and asthma medication.
Targets(IC50)	Adrenergic Receptor

Solubility Information

Solubility	DMSO: 120 mg/mL (395.58 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2 mg/mL (6.59 mM),Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2965 mL	16.4826 mL	32.9652 mL
5 mM	0.6593 mL	3.2965 mL	6.593 mL
10 mM	0.3297 mL	1.6483 mL	3.2965 mL
50 mM	0.0659 mL	0.3297 mL	0.6593 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

R, C, Heel, et al. Fenoterol: A Review of its Pharmacological Properties and Therapeutic Efficacy in Asthma[J]. Drugs, 1978.

Svedmyr N . Fenoterol: A Beta 2 -adrenergic Agonist for Use in Asthma; Pharmacology, Pharmacokinetics, Clinical Efficacy and Adverse Effects[J]. Pharmacotherapy, 1985, 5(3):109-126.

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