

## Fenoterol-d6 Hydrobromide

## Chemical Properties

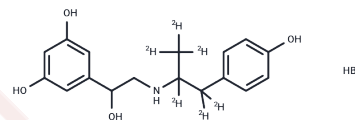
CAS No. : 1286129-04-1

Formula: C<sub>17</sub>H<sub>16</sub>D<sub>6</sub>BrNO<sub>4</sub>

Molecular Weight: 390.30

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-d6 Hydrobromide is a deuterated compound of fenoterol hydrobromide, which can be used for the quantitative analysis of fenoterol in vivo and in vitro, the tracing of metabolic pathways, and the evaluation of bioavailability. Fenoterol hydrobromide is a selective, orally active $\beta$ 2-adrenoceptor agonist. Fenoterol hydrobromide is an effective bronchodilator used to treat bronchospasm associated with asthma, bronchitis, and other obstructive airway diseases.
Targets(IC50)	Adrenergic Receptor

## Solubility Information

Solubility	H <sub>2</sub> O: 20 mg/mL (51.24 mM), Sonication is recommended. DMSO: 80 mg/mL (204.97 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	2.5621 mL	12.8107 mL	25.6213 mL
5 mM	0.5124 mL	2.5621 mL	5.1243 mL
10 mM	0.2562 mL	1.2811 mL	2.5621 mL
50 mM	0.0512 mL	0.2562 mL	0.5124 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.

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