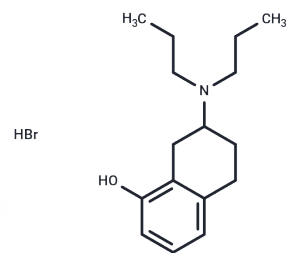


## 8-Hydroxy-DPAT hydrobromide

## Chemical Properties

CAS No. :	76135-31-4
Formula:	C <sub>16</sub> H <sub>26</sub> BrNO
Molecular Weight:	328.29
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	8-Hydroxy-DPAT hydrobromide (8-OH-DPAT hydrobromide) (8-OH-DPAT hydrobromide) is a potent and selective 5-HT <sub>1A</sub> agonist with a pIC <sub>50</sub> of 8.19. 8-Hydroxy-DPAT hydrobromide has a selectivity of almost 1000 fold for a subtype of the 5-HT <sub>1</sub> binding site.
Targets(IC <sub>50</sub> )	5-HT Receptor

## Solubility Information

Solubility	H <sub>2</sub> O: Soluble, DMSO: 50 mg/mL (152.3 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	3.0461 mL	15.2304 mL	30.4609 mL
5 mM	0.6092 mL	3.0461 mL	6.0922 mL
10 mM	0.3046 mL	1.523 mL	3.0461 mL
50 mM	0.0609 mL	0.3046 mL	0.6092 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

D N Middlemiss, et al. 8-Hydroxy-2-(di-n-propylamino)-tetralin discriminates between subtypes of the 5-HT<sub>1</sub> recognition site. Eur J Pharmacol. 1983 May 20;90(1):151-3.

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