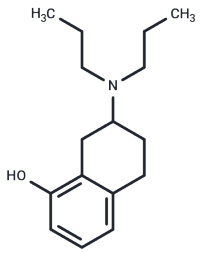
Data Sheet (Cat.No.T4305)

TargetMol

8-OH-Dpat

Chemical Properties



CAS No. : 78950-78-4

Formula: C16H25NO

Molecular Weight: 247.38

Appearance: no data available

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

Biological Description

Description	8-OH-Dpat (8-Hydroxy-DPAT) is a serotonin 1A-receptor agonist that is used experimentally to test the effects of serotonin.
Targets(IC50)	5-HT Receptor

Solubility Information

Solubility	DMSO: 49 mg/mL (198.08 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0424 mL	20.2118 mL	40.4236 mL
5 mM	0.8085 mL	4.0424 mL	8.0847 mL
10 mM	0.4042 mL	2.0212 mL	4.0424 mL
50 mM	0.0808 mL	0.4042 mL	0.8085 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

Bard JA, et al. Cloning of a novel human serotonin receptor (5-HT7) positively linked to adenylate cyclase. J Biol Chem. 1993 Nov 5;268(31):23422-6.

DEREK N. MIDDLEMISS, et al. 8-HYDROXY-2-(DI-n-PROPYLAMINO)-TETRALIN DISCRIMINATES BETWEEN SUBTYPES OF

Mori T, et al. Narcolepsy-like sleep disturbance in orexin knockout mice are normalized by the 5-HT1A receptor agonist 8-OH-DPAT. Psychopharmacology (Berl). 2016 Jun;233(12):2343-53.

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481