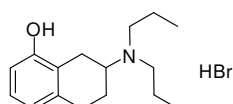




## Certificate of Analysis

**Axon Catalogue ID:** 1015 **Batch Number:** 2  
**Product Name:** 8-Hydroxy-DPAT hydrobromide  
**Alternative Name(s):** 8-OH-DPAT  
**IUPAC Name:** 7-(Dipropylamino)-5,6,7,8-tetrahydronaphthalen-1-ol

**Structure:**



**Amount:**

**CAS number(s):** 78950-78-4 (parent), 76135-31-4 (HBr (1:1))  
**Molecular Formula:** C<sub>16</sub>H<sub>25</sub>NO.HBr **Molecular Weight:** 328.29  
**Batch Molecular Formula:** C<sub>16</sub>H<sub>25</sub>NO.HBr **Batch Molecular Weight:** 328.29  
**Appearance:** White solid **Observed mp:** 226.5 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH/NH<sub>3</sub> (9:1:0.1)  
**Chemical Purity:** 99.2%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 58.54, H 7.98, N 4.27; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at -20 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	5.0	15.2	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	20.0	60.9	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 04-12-2018

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to [info@axonmedchem.com](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**