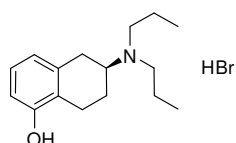


## Certificate of Analysis

**Axon Catalogue ID:** 1008 **Batch Number:** 2  
**Product Name:** (S)-5-Hydroxy-DPAT hydrobromide  
**Alternative Name(s):** (S)-5-OH-DPAT  
**IUPAC Name:** (S)-6-Dipropylamino-5,6,7,8-tetrahydro-naphthalen-1-ol hydrobromide

**Structure:**



**Amount:**

**CAS number(s):** 68643-08-3 (parent), 182210-74-8 (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:** Off-white solid **Observed mp:** 224.0 - 225.5 °C  
**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH/NH<sub>3</sub> (9:1:0.01)  
**Chemical Purity:** 99.8%  
**Optical Purity (ee):** 99.9%  
**<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 4.26; Found: C 58.55, H 7.94, N 4.17  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	12.0	36.6	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	32.8	>100 mM	
	EtOH	12.9	39.3	

**Remarks:**

**QC Date:** 05-03-2019

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**