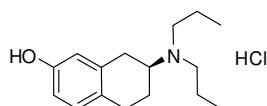




Certificate of Analysis

Axon Catalogue ID: 1014 **Batch Number:** 1
Product Name: (S)-(-)-7-Hydroxy-DPAT hydrochloride
Alternative Name(s): (S)-7-OH-DPAT hydrochloride
IUPAC Name: (S)-7-Dipropylamino-5,6,7,8-tetrahydro-naphthalen-2-ol hydrochloride

Structure:



Amount:

CAS number(s): 82730-73-2 (parent), 93503-07-2 (HCl (1:1))
Molecular Formula: C₁₆H₂₅NO.HCl **Molecular Weight:** 283.84
Batch Molecular Formula: C₁₆H₂₅NO.HCl **Batch Molecular Weight:** 283.84
Appearance: Off-white solid **Observed mp:** NA
TLC (R_f): 0.3 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 98.6%
Optical Purity (ee): o.p.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 67.70, H 9.23, N 4.93; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	4.2	14.8	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	16.1	56.7	
	EtOH			Not Tested

Remarks: Potentially hygroscopic. Contains a 1.4% which was confirmed as (S)-(-)-7-methoxy-DPAT hydrochloride

QC Date: 11-01-2019

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only