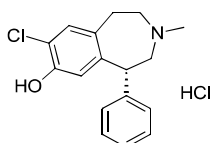




Certificate of Analysis

Axon Catalogue ID: 4341 **Batch Number:** 1
Product Name: SCH23390 hydrochloride
Alternative Name(s): N.A.
IUPAC Name: (R)-8-Chloro-3-methyl-5-phenyl-2,3,4,5-tetrahydro-1H-3-benzazepin-7-ol hydrochloride

Structure:



Amount:

CAS number(s): 87075-17-0 (parent), 125941-87-9 (HCl (1:1))
Molecular Formula: C₁₇H₁₈ClNO.HCl **Molecular Weight:** 324.24
Batch Molecular Formula: C₁₇H₁₈ClNO.HCl.H₂O **Batch Molecular Weight:** 342.26
Appearance: Off-white solid **Observed mp:** 220 °C (decomp)
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.6%
Optical Purity (ee): 99.3%
Optical Rotation (Det.): [α]_D = +47.6° with c = 0.25 in DMF
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 59.66, H 6.18, N 4.09; Found: C 59.29, H 6.20, N 4.03
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	34.2	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	34.2	>100 mM	
	EtOH	34.2	>100 mM	

Remarks:

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