

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1643	
Compound name	SCH 23390 Hydrochloride	
Chemical name	(R)-(+)-7-Chloro-8-hydroxy-3-methyl-1-phenyl-2,3,4,5-tetrahydro-1H-3-benzazepine hydrochloride	
Batch number	E1578-1-1	
Batch molecular formula	C ₁₇ H ₁₈ NOCl.HCl.H ₂ O	
Batch molecular weight	342.26	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.0%
NMR	¹ H NMR in acetone/MeOD at 300 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
TLC	TLC analysis in 10% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.39
Physical appearance	White to off-white solid	Meets specification: Off-white solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

05-05-21

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.