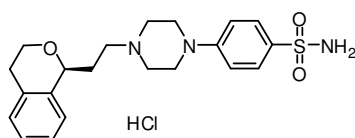


Certificate of Analysis

Axon Catalogue ID: 2115 **Batch Number:** 1
Product Name: Sonepiprazole hydrochloride
Alternative Name(s): PNU 101387
IUPAC Name: (S)-4-(4-(2-(Isochroman-1-yl)ethyl)piperazin-1-yl)benzenesulfonamide hydrochloride

Structure:



Amount:

CAS number(s): 170858-33-0 (parent), 170857-36-0 (HCl (1:1))
Molecular Formula: C₂₁H₂₇N₃O₃S.HCl **Molecular Weight:** 437.98
Batch Molecular Formula: C₂₁H₂₇N₃O₃S.HCl.0.25H₂O **Batch Molecular Weight:** 442.49
Appearance: Off-white solid **Observed mp:** >235 °C
TLC (R_f): 0.46 DCM/MeOH (9:1)
Chemical Purity: 98.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.59, H 6.44, N 9.59; Found: C 57.09, H 6.42, N 9.70
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	31.0	70.1	
	EtOH			Not Tested

Remarks:

QC Date: 25-07-2019

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