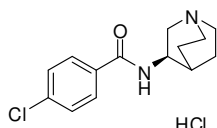




Certificate of Analysis

Axon Catalogue ID: 2908 **Batch Number:** 1
Product Name: PNU 282987 hydrochloride
Alternative Name(s): N.A.
IUPAC Name: (R)-4-Chloro-N-(quinuclidin-3-yl)benzamide hydrochloride

Structure:



Amount:

CAS number(s): 711085-63-1 (parent), 123464-89-1 (HCl (1:1))
Molecular Formula: C₁₄H₁₇ClN₂O.HCl **Molecular Weight:** 301.21
Batch Molecular Formula: C₁₄H₁₇ClN₂O.HCl.1.25H₂O **Batch Molecular Weight:** 323.73
Appearance: White solid **Observed mp:** >275 °C
TLC (R_f): 0.3 DCM/MeOH/NH₃ (9:1:0.2)
Chemical Purity: 99.7%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 51.94, H 6.38, N 8.65; Found: C 51.84, H 5.94, N 8.59
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	32.4	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	32.4	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 28-11-2018

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