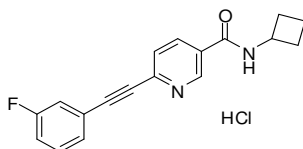




Certificate of Analysis

Axon Catalogue ID: 3421 **Batch Number:** 1
Product Name: VU0360172 hydrochloride
Alternative Name(s): N.A.
IUPAC Name: N-Cyclobutyl-6-((3-fluorophenyl)ethynyl)nicotinamide hydrochloride

Structure:



Amount:

CAS number(s): 1310012-12-4 (parent), 1309976-62-2 (HCl (1:1))
Molecular Formula: C₁₈H₁₅FN₂O.HCl **Molecular Weight:** 330.78
Batch Molecular Formula: C₁₈H₁₅FN₂O.HCl **Batch Molecular Weight:** 330.78
Appearance: Pale-yellow solid **Observed mp:** >197 °C (decomp)
TLC (R_f): 0.7 DCM/MeOH (20:1)
Chemical Purity: 98.5%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 65.36, H 4.88, N 8.47; Found: C 65.30, H 4.61, N 8.43
Storage Conditions: Desiccate at -20 °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	11.0	33.3	
	EtOH	22.7	68.6	

Remarks:

QC Date: 20-8-2021

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