



Certificate of Analysis

Axon Catalogue ID:	1090	Batch Number:	4	
Product Name:	p-MPPF dihydrochloride			
Alternative Name(s):	N.A.			
IUPAC Name:	4-Fluoro-N-(2-(4-(2-methoxyphenyl)piperazin-1-yl)ethyl)-N-(pyridin-2-yl)benzamide dihydrochloride			
Structure:			Amount:	
CAS number(s):	155204-26-5 (parent), 223699-41-0 (HCl (1:2))			
Molecular Formula:	C ₂₅ H ₂₇ FN ₄ O ₂ ·2.5HCl	Molecular Weight:	525.66	
Batch Molecular Formula:	C ₂₅ H ₂₇ FN ₄ O ₂ ·2.5HCl·2H ₂ O	Batch Molecular Weight:	561.69	
Appearance:	Beige solid	Observed mp:	ND	
TLC (R_f):	0.2	DCM/MeOH (20:1)		
Chemical Purity:	99.3%			
¹H-NMR:	Analytical data confirm chemical structure			
Mass Spec:	Analytical data confirm chemical structure			
Microanalysis:	Calculated: C 53.46, H 6.01, N 9.97, Cl 15.78; Found: C 53.32, H 5.80, N 10.03, Cl 15.37			
Storage Conditions:	Desiccate at -20 °C			
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	56.2	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	56.2	>100 mM	
	EtOH			Not Tested
Remarks:	Very hygroscopic			
QC Date:	8-3-2022			

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