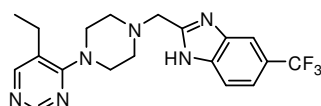




Certificate of Analysis

Axon Catalogue ID: 1602 **Batch Number:** 2
Product Name: PF 4708671
Alternative Name(s): PF 04708671
IUPAC Name: 2-((4-(5-Ethylpyrimidin-4-yl)piperazin-1-yl)methyl)-5-(trifluoromethyl)-1H-benzo[d]imidazole

Structure:



Amount:

CAS number(s): 1255517-76-0
Molecular Formula: C₁₉H₂₁F₃N₆ **Molecular Weight:** 390.41
Batch Molecular Formula: C₁₉H₂₁F₃N₆·0.25H₂O **Batch Molecular Weight:** 394.91
Appearance: Pink solid **Observed mp:** 192 - 193 °C
TLC (R_f): 0.4 DCM/MeOH (9:1)
Chemical Purity: 98.6%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 57.79, H 5.49, N 21.28; Found: C 57.88, H 5.22, N 21.24
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)	19.0	48.1	
	DMSO	39.5	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 29-08-2019

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