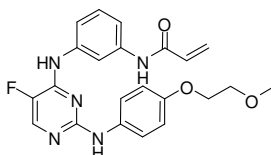




Certificate of Analysis

Axon Catalogue ID: 2226 **Batch Number:** 1
Product Name: AVL 292
Alternative Name(s): CC 292; Spebrutinib
IUPAC Name: N-(3-(5-Fluoro-2-(4-(2-methoxyethoxy)phenylamino)pyrimidin-4-ylamino)phenyl)acrylamide

Structure:



Amount:

CAS number(s): 1202757-89-8
Molecular Formula: C₂₂H₂₂FN₅O₃ **Molecular Weight:** 423.44
Batch Molecular Formula: C₂₂H₂₂FN₅O₃ **Batch Molecular Weight:** 423.44
Appearance: Off-white solid **Observed mp:** 173.6 - 174.5 °C
TLC (R_f): 0.53 DCM/MeOH (9:1)
Chemical Purity: 98.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 62.40, H 5.24, N 16.53; Found: C 62.19, H 4.96, N 16.53
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	1.9	4.5	Insoluble
	DMSO	42.3	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 17-1-2019

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