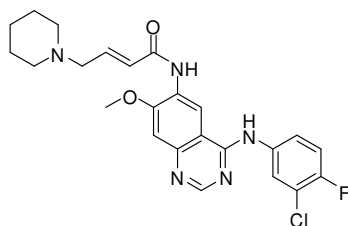




Certificate of Analysis

Axon Catalogue ID: 3235 **Batch Number:** 1
Product Name: Dacomitinib
Alternative Name(s): PF-00299804
IUPAC Name: (E)-N-(4-(3-Chloro-4-fluorophenylamino)-7-methoxyquinazolin-6-yl)-4-(piperidin-1-yl)but-2-enamide

Structure:



Amount:

CAS number(s): 1110813-31-4
Molecular Formula: C₂₄H₂₅ClFN₅O₂ **Molecular Weight:** 469.94
Batch Molecular Formula: C₂₄H₂₅ClFN₅O₂·0.75H₂O **Batch Molecular Weight:** 483.45
Appearance: White solid **Observed mp:** 157.8 - 159 °C
TLC (R_f): 0.46 DCM/MeOH (1:1)
Chemical Purity: 100%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 59.62, H 5.52, N 14.49; Found: C 59.38, H 5.68, N 14.35
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)	13.3	27.5	
	DMSO	48.3	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 15-10-2020

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