



Certificate of Analysis

Axon Catalogue ID:	3232	Batch Number:	1
Product Name:	TAK-788		
Alternative Name(s):	Mobocertinib; AP32788		
IUPAC Name:	Isopropyl 2-(5-acrylamido-4-((2-(dimethylamino)ethyl)(methyl)amino)-2-methoxyphenylamino)-4-(1-methyl-1H-indol-3-yl)pyrimidine-5-carboxylate		
Structure:	 <chem>CC(C)OC(=O)c1nc2c(ncn2C3=CC=CC=C3C4=CC=CC=C4N(C)C)nc5cc(OC)c(NC(=O)C=C)c(CN(C)CCN(C)C)c5</chem>		
	Amount:		
CAS number(s):	1847461-43-1		
Molecular Formula:	C32H39N7O4	Molecular Weight:	585.70
Batch Molecular Formula:	C32H39N7O4.0.25H2O	Batch Molecular Weight:	590.20
Appearance:	Off-white solid	Observed mp:	182.2 - 183.8 °C
TLC (R_f):	0.3	DCM/MeOH (20:1)	
Chemical Purity:	99.2%		
Optical Purity (ee):	N.A.		
¹H-NMR (300 MHz):	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 65.12, H 6.75, N 16.61; Found: C 65.12, H 6.81, N 16.87		
Storage Conditions:	Store at	+4 °C	
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water	0.0	0.0
	0.1N NaOH (aq)		
	0.1N HCl (aq)	34.0	57.6
	DMSO	11.5	19.5
	EtOH		
			Insoluble
			Not Tested
			Sonication enhances solubility
			Not Tested
Remarks:			
QC Date:	22-09-2020		

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