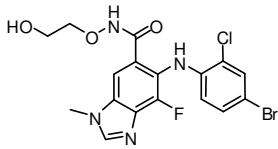




Certificate of Analysis

Axon Catalogue ID:	1516	Batch Number:	2
Product Name:	AZD 6244		
Alternative Name(s):	ARRY 142886; Selumetinib		
IUPAC Name:	5-(4-Bromo-2-chlorophenylamino)-4-fluoro-N-(2-hydroxyethoxy)-1-methyl-1H-benzo[d]imidazole-6-carboxamide		
Structure:			
CAS number(s):	606143-52-6	Amount:	
Molecular Formula:	C ₁₇ H ₁₅ BrClFN ₄ O ₃	Molecular Weight:	457.68
Batch Molecular Formula:	C ₁₇ H ₁₅ BrClFN ₄ O ₃	Batch Molecular Weight:	457.68
Appearance:	White solid	Observed mp:	221 - 224 °C
TLC (R_f):	0.5	DCM/MeOH (9:1)	
Chemical Purity:	98.7%		
Optical Purity (ee):	N.A.		
¹H-NMR (300 MHz):	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 44.61, H 3.30, N 12.24; Found: C ND, H ND, N ND		
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)		
	DMSO	24.0	52.4
	EtOH		
Remarks:	Suspected to be thermally unstable; Store the solid material and/or prepared stock solution(s) at -20 °C or below.		
QC Date:	30-3-2019		

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