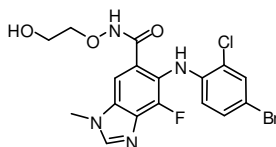




Certificate of Analysis

Axon Catalogue ID: 1516 **Batch Number:** 2
Product Name: AZD6244
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:



Amount:

CAS number(s): 606143-52-6
Molecular Formula: C₁₇H₁₅BrClFN₄O₃ **Molecular Weight:** 457.68
Batch Molecular Formula: C₁₇H₁₅BrClFN₄O₃ **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)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	24.0	52.4	
	EtOH			Not Tested

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