



Certificate of Analysis

Axon Catalogue ID:	1516	Batch Number:	5
Product Name:	AZD6244		
Alternative Name(s):	ARRY 142886; Selumetinib		
IUPAC Name:	5-(4-Bromo-2-chlorophenylamino)-4-fluoro-N-(2-hydroxyethoxy)-1-methyl-1H-benzod[j]imidazole-6-carboxamide		
Structure:			Amount:
CAS number(s):	606143-52-6		
Molecular Formula:	C17H15BrClFN4O3	Molecular Weight:	457.68
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Appearance:	Off-white solid	Observed mp:	223.9 - 224.2 °C
TLC (R_f):	0.32	DCM/MeOH (9:1)	
Chemical Purity:	98.1%		
Optical Purity (ee):	N.A.		
¹H-NMR:	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 44.67, H 3.69, N 12.00		
Storage Conditions:	Store at +4 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water		Not Tested
	0.1N NaOH (aq)		Not Tested
	0.1N HCl (aq)		Not Tested
	DMSO	37.8	82.6
	EtOH		Not Tested
Remarks:			
QC Date:	22-6-2016		

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