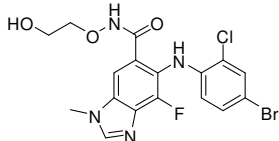




Certificate of Analysis

Axon Catalogue ID:	1516	Batch Number:	3																								
Product Name:	AZD6244																										
Alternative Name(s):	Selumetinib; ARRY 142886																										
IUPAC Name:	5-(4-Bromo-2-chlorophenylamino)-4-fluoro-N-(2-hydroxyethoxy)-1-methyl-1H-benzod[<i>j</i>]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:	220.3 - 222.0 °C (decomp)																								
TLC (R_f):	0.5	DCM/MeOH (9:1)																									
Chemical Purity:	98.7%																										
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 ND, H ND, N ND																										
Storage Conditions:	Desiccate at -20 °C																										
Solubility Data:	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N NaOH (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N HCl (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>DMSO</td><td>24.0</td><td>52.4</td><td></td></tr><tr><td>EtOH</td><td></td><td></td><td>Not Tested</td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water			Not Tested	0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)			Not Tested	DMSO	24.0	52.4		EtOH			Not Tested		
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DMSO	24.0	52.4																									
EtOH			Not Tested																								
Remarks:	Solubility in DMSO can reach 40 mg/mL by slightly warming the solution.																										
QC Date:	31-3-2019																										

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