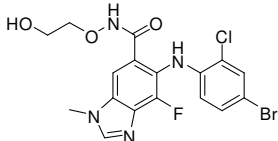




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	1516	<b>Batch Number:</b>	4																								
<b>Product Name:</b>	AZD6244																										
<b>Alternative Name(s):</b>	ARRY 142886; Selumetinib																										
<b>IUPAC Name:</b>	5-(4-Bromo-2-chlorophenylamino)-4-fluoro-N-(2-hydroxyethoxy)-1-methyl-1H-benzod[ <i>j</i> ]imidazole-6-carboxamide																										
<b>Structure:</b>		<b>Amount:</b>																									
<b>CAS number(s):</b>	606143-52-6																										
<b>Molecular Formula:</b>	C17H15BrClFN4O3	<b>Molecular Weight:</b>	457.68																								
<b>Batch Molecular Formula:</b>	C17H15BrClFN4O3.0.5H2O	<b>Batch Molecular Weight:</b>	466.69																								
<b>Appearance:</b>	Off-white solid	<b>Observed mp:</b>	218.5 - 220.4 °C																								
<b>TLC (R<sub>f</sub>):</b>	0.5	DCM/MeOH (9:1)																									
<b>Chemical Purity:</b>	99.7%																										
<b>Optical Purity (ee):</b>	N.A.																										
<b>1H-NMR:</b>	Analytical data confirm chemical structure																										
<b>Mass Spec:</b>	Analytical data confirm chemical structure																										
<b>Microanalysis:</b>	Calculated: C 43.75, H 3.46, N 12.01; Found: C 43.86, H 3.17, N 11.68																										
<b>Storage Conditions:</b>	Store at -20 °C																										
<b>Solubility Data:</b>	<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>18.0</td><td>38.6</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	18.0	38.6		EtOH			Not Tested		
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<b>QC Date:</b>	6-8-2013																										

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only