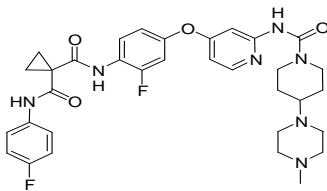




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	1959	<b>Batch Number:</b>	1																								
<b>Product Name:</b>	Golvatinib																										
<b>Alternative Name(s):</b>	E7050																										
<b>IUPAC Name:</b>	N-(2-fluoro-4-(2-(4-(4-methylpiperazin-1-yl)piperidine-1-carboxamido)pyridin-4-yloxy)phenyl)-N-(4-fluorophenyl)cyclopropane-1,1-dicarboxamide																										
<b>Structure:</b>		<b>Amount:</b>																									
<b>CAS number:</b>	928037-13-2	<b>MW:</b>	633.69																								
<b>Batch Molecular Formula:</b>	C33H37F2N7O4.0.25H2O	<b>Batch MW:</b>	638.19																								
<b>Appearance:</b>	White solid	<b>Observed mp:</b>	198.5 - 200.0 °C																								
<b>TLC (R<sub>f</sub>):</b>	0.3 DCM/MeOH (4:1)																										
<b>Chemical Purity:</b>	99.1%																										
<b>Optical Purity (ee):</b>																											
<b><sup>1</sup>H-NMR (300 MHz):</b>	Analytical data confirm chemical structure																										
<b>Mass Spec:</b>	Analytical data confirm chemical structure																										
<b>Microanalysis:</b>	C, H, and N fit within 0,4% of theoretical calculation																										
<b>Storage Conditions:</b>	Store at	+4°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>18</td><td>28</td><td></td></tr><tr><td>DMSO</td><td>44</td><td>69</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)	18	28		DMSO	44	69		EtOH			Not Tested		
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<b>QC Date:</b>	11/29/2012																										

The purity of Axon products 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 Axon Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**