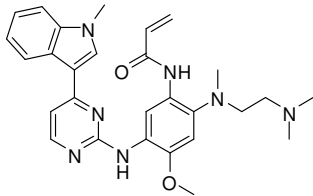




## Certificate of Analysis

<b>Axon Catalogue ID:</b>	2342	<b>Batch Number:</b>	1																								
<b>Product Name:</b>	AZD 9291																										
<b>Alternative Name(s):</b>	N.A.																										
<b>IUPAC Name:</b>	N-(2-((2-(Dimethylamino)ethyl)(methyl)amino)-4-methoxy-5-(4-(1-methyl-1H-indol-3-yl)pyrimidin-2-ylamino)phenyl)acrylamide																										
<b>Structure:</b>		<b>Amount:</b>																									
<b>CAS number(s):</b>	1421373-65-0																										
<b>Molecular Formula:</b>	C <sub>28</sub> H <sub>33</sub> N <sub>7</sub> O <sub>2</sub>	<b>Molecular Weight:</b>	499.61																								
<b>Batch Molecular Formula:</b>	C <sub>28</sub> H <sub>33</sub> N <sub>7</sub> O <sub>2</sub> .1H <sub>2</sub> O	<b>Batch Molecular Weight:</b>	517.62																								
<b>Appearance:</b>	Pale-yellow solid	<b>Observed mp:</b>	109.9 - 111.3 °C																								
<b>TLC (R<sub>f</sub>):</b>	0.43	DCM/MeOH (9:1)																									
<b>Chemical Purity:</b>	99.3%																										
<b>Optical Purity (ee):</b>	N.A.																										
<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>	Calculated: C 64.97, H 6.82, N 18.94; Found: C 65.02, H 6.67, N 19.03																										
<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>16.3</td><td>31.5</td><td></td></tr><tr><td>DMSO</td><td>36.0</td><td>69.5</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)	16.3	31.5		DMSO	36.0	69.5		EtOH			Not Tested		
Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks																								
Water			Not Tested																								
0.1N NaOH (aq)			Not Tested																								
0.1N HCl (aq)	16.3	31.5																									
DMSO	36.0	69.5																									
EtOH			Not Tested																								
<b>Remarks:</b>																											
<b>QC Date:</b>	28-08-2019																										

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

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