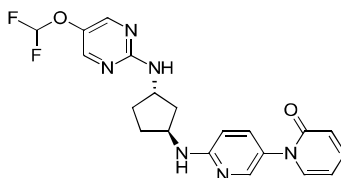




## Certificate of Analysis

**Axon Catalogue ID:** 4259 **Batch Number:** 1  
**Product Name:** AZD0780  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 1-(6-((1S,3S)-3-(5-(Difluoromethoxy)pyrimidin-2-ylamino)cyclopentylamino)pyridin-3-yl)pyridin-2(1H)-one

**Structure:**



**Amount:**

**CAS number(s):** 2455427-91-3  
**Molecular Formula:** C<sub>20</sub>H<sub>20</sub>F<sub>2</sub>N<sub>6</sub>O<sub>2</sub> **Molecular Weight:** 414.41  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>20</sub>F<sub>2</sub>N<sub>6</sub>O<sub>2</sub>·0.5H<sub>2</sub>O **Batch Molecular Weight:** 423.42  
**Appearance:** Light-brown solid **Observed mp:** 110 - 112 °C  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (20:1)  
**Chemical Purity:** 98.6%  
**Optical Purity (ee):** 100%  
**Optical Rotation (Det.):** [α]<sub>D</sub> = -59.0° with c = 1 in MeOH  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 56.73, H 5.00, N 19.85; Found: C 56.91, H 4.93, N 19.79  
**Storage Conditions:** Store at -20 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	42.3	>100 mM	
	EtOH	42.3	>100 mM	

**Remarks:**

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**