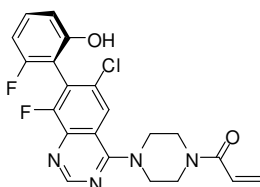




## Certificate of Analysis

**Axon Catalogue ID:** 3084 **Batch Number:** 1  
**Product Name:** ARS-1620  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (S)-1-(4-(6-Chloro-8-fluoro-7-(2-fluoro-6-hydroxyphenyl)quinazolin-4-yl)piperazin-1-yl)prop-2-en-1-one

**Structure:**



**Amount:**

**CAS number(s):** 1698055-85-4  
**Molecular Formula:** C<sub>21</sub>H<sub>17</sub>ClF<sub>2</sub>N<sub>4</sub>O<sub>2</sub> **Molecular Weight:** 430.84  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>17</sub>ClF<sub>2</sub>N<sub>4</sub>O<sub>2</sub>·0.5H<sub>2</sub>O **Batch Molecular Weight:** 439.84  
**Appearance:** White solid **Observed mp:** 148 - 149 °C  
**TLC (R<sub>f</sub>):** 0.46 DCM/MeOH (9:1)  
**Chemical Purity:** 99.2%  
**Optical Purity (ee):** 99.2%  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 57.34, H 4.12, N 12.74; Found: C 57.30, H 3.96, N 12.98  
**Storage Conditions:** Desiccate 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)	7.3	16.7	
	DMSO	44.0	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 26-03-2020

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**