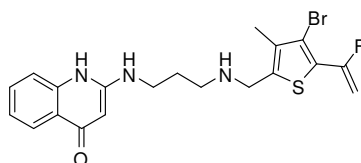




## Certificate of Analysis

**Axon Catalogue ID:** 1704 **Batch Number:** 1  
**Product Name:** REP 8839  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2-(3-((4-Bromo-5-(1-fluorovinyl)-3-methylthiophen-2-yl)methylamino)propylamino)quinolin-4(1H)-one

**Structure:**



**Amount:**

**CAS number(s):** 757942-43-1  
**Molecular Formula:** C<sub>20</sub>H<sub>21</sub>BrFN<sub>3</sub>O<sub>2</sub> **Molecular Weight:** 450.37  
**Batch Molecular Formula:** C<sub>20</sub>H<sub>21</sub>BrFN<sub>3</sub>O<sub>2</sub> **Batch Molecular Weight:** 450.37  
**Appearance:** White solid **Observed mp:** 138.8 - 139.5 °C  
**TLC (R<sub>f</sub>):** 0.4 DCM/MeOH (9:1)  
**Chemical Purity:** 99.6%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 53.34, H 4.70, N 9.33; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	45.0	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 12-01-2018

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**