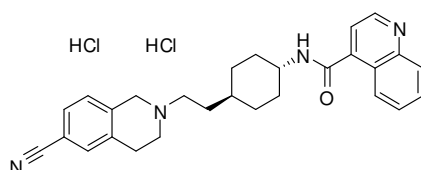


## Certificate of Analysis

**Axon Catalogue ID:** 1920 **Batch Number:** 1  
**Product Name:** SB 277011A  
**Alternative Name(s):** SB 277011 dihydrochloride  
**IUPAC Name:** N-((trans)-4-(2-(6-Cyano-3,4-dihydroisoquinolin-2(1H)-yl)ethyl)cyclohexyl)quinoline-4-carboxamide dihydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 215803-78-4 (parent), 1226917-67-4 (HCl (1:1))  
**Molecular Formula:** C<sub>28</sub>H<sub>30</sub>N<sub>4</sub>O.2HCl **Molecular Weight:** 511.49  
**Batch Molecular Formula:** C<sub>28</sub>H<sub>30</sub>N<sub>4</sub>O.2HCl.2H<sub>2</sub>O **Batch Molecular Weight:** 547.52  
**Appearance:** Off-white solid **Observed mp:** 278 - 280 °C  
**TLC (R<sub>f</sub>):** 0.54 DCM/MeOH (9:1)  
**Chemical Purity:** 99.2%  
**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 61.42, H 6.63, N 10.23; Found: C 61.20, H 6.35, N 10.20  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	11.5	21.0	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	40.0	73.1	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 23-05-2019

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**