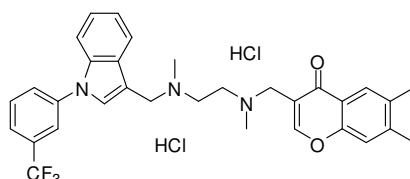


## Certificate of Analysis

**Axon Catalogue ID:** 2143 **Batch Number:** 1  
**Product Name:** SPD 304 dihydrochloride  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 6,7-Dimethyl-3-((methyl(2-(methyl((1-(3-(trifluoromethyl)phenyl)-1H-indol-3-yl)methyl)amino)ethyl)amino)methyl)-4H-chromen-4-one dihydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 869998-49-2 (parent), 1049741-03-8 (HCl (1:2))  
**Molecular Formula:** C<sub>32</sub>H<sub>32</sub>F<sub>3</sub>N<sub>3</sub>O<sub>2</sub>.2HCl **Molecular Weight:** 620.53  
**Batch Molecular Formula:** C<sub>32</sub>H<sub>32</sub>F<sub>3</sub>N<sub>3</sub>O<sub>2</sub>.2HCl.1.75H<sub>2</sub>O **Batch Molecular Weight:** 652.06  
**Appearance:** White solid **Observed mp:** 152 - 153 °C  
**TLC (R<sub>f</sub>):** 0.32 DCM/MeOH/NH<sub>3</sub> (20:1:0.1)  
**Chemical Purity:** 98.4%  
**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 58.94, H 5.80, N 6.44; Found: C 58.61, H 5.73, N 6.59  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	20.0	30.7	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	50.0	76.7	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 29-05-2019

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**