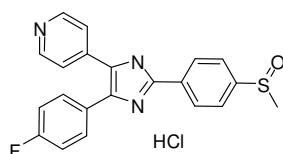


## Certificate of Analysis

**Axon Catalogue ID:** 1465 **Batch Number:** 1  
**Product Name:** SB 203580 hydrochloride  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 4-(4-(4-Fluorophenyl)-2-(4-(methylsulfinyl)phenyl)-1H-imidazol-5-yl)pyridine hydrochloride

**Structure:**



**Amount:**

**CAS number(s):** 152121-47-6 (parent), 869185-85-3 (HCl (1:1))  
**Molecular Formula:** C<sub>21</sub>H<sub>16</sub>FN<sub>3</sub>OS.HCl **Molecular Weight:** 413.90  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>16</sub>FN<sub>3</sub>OS.HCl **Batch Molecular Weight:** 413.90  
**Appearance:** Yellow solid **Observed mp:** >260 °C  
**TLC (R<sub>f</sub>):** 0.2 DCM/MeOH (9:1)  
**Chemical Purity:** 98.5%  
**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 60.94, H 4.14, N 10.15; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	13.3	32.1	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO			Not Tested
	EtOH			Not Tested

**Remarks:**

**QC Date:** 10-02-2020

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**