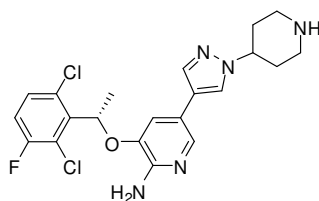




## Certificate of Analysis

**Axon Catalogue ID:** 2296 **Batch Number:** 1  
**Product Name:** (S)-Crizotinib  
**Alternative Name(s):** N.A.  
**IUPAC Name:** (S)-3-(1-(2,6-Dichloro-3-fluorophenyl)ethoxy)-5-(1-(piperidin-4-yl)-1H-pyrazol-4-yl)pyridin-2-amine

**Structure:**



**Amount:**

**CAS number(s):** 1374356-45-2  
**Molecular Formula:** C<sub>21</sub>H<sub>22</sub>Cl<sub>2</sub>FN<sub>5</sub>O **Molecular Weight:** 450.34  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>22</sub>Cl<sub>2</sub>FN<sub>5</sub>O **Batch Molecular Weight:** 450.34  
**Appearance:** White solid **Observed mp:** 200.9 - 201.8 °C  
**TLC (R<sub>f</sub>):** 0.45 DCM/MeOH/NH<sub>3</sub> (9:1:0.01)  
**Chemical Purity:** 99.3%  
**Optical Purity (ee):** 98.5%  
**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 56.01, H 4.92, N 15.55; Found: C 55.73, H 4.86, N 15.44  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	21.2	47.1	
	DMSO	13.2	29.3	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 29-03-2019

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**