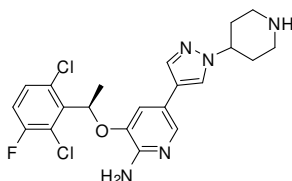




## Certificate of Analysis

**Axon Catalogue ID:** 1660 **Batch Number:** 2  
**Product Name:** Crizotinib  
**Alternative Name(s):** PF-02341066; PF-2341066  
**IUPAC Name:** (R)-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):** 877399-52-5  
**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:** Off-white solid **Observed mp:** 202.6 - 205.0 °C  
**TLC (R<sub>f</sub>):** 0.15 (t) DCM/MeOH/NH<sub>3</sub> (9:1:0.01)  
**Chemical Purity:** 1.0%  
**Optical Purity (ee):** Optically pure  
**<sup>1</sup>H-NMR:** 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 56.26, H 4.73, N 15.73  
**Storage Conditions:** Desiccate at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	21.1	46.7	
	DMSO	18.9	41.9	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 17-4-2013

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**