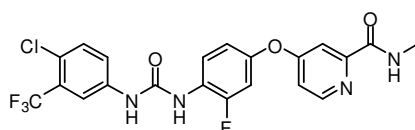




## Certificate of Analysis

**Axon Catalogue ID:** 1678 **Batch Number:** 1  
**Product Name:** Regorafenib  
**Alternative Name(s):** Bay 73-4506; Stivarga  
**IUPAC Name:** 4-(4-(3-(4-Chloro-3-(trifluoromethyl)phenyl)ureido)-3-fluorophenoxy)-N-methylpicolinamide

**Structure:**



**Amount:**

**CAS number(s):** 755037-03-7  
**Molecular Formula:** C<sub>21</sub>H<sub>15</sub>ClF<sub>4</sub>N<sub>4</sub>O<sub>3</sub> **Molecular Weight:** 482.82  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>15</sub>ClF<sub>4</sub>N<sub>4</sub>O<sub>3</sub> **Batch Molecular Weight:** 482.82  
**Appearance:** Pale-pink solid **Observed mp:** 263.5 °C  
**TLC (R<sub>f</sub>):** 0.5 DCM/MeOH (9:1)  
**Chemical Purity:** 98.2%  
**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 52.24, H 3.13, N 11.60; Found: C ND, H ND, N ND  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	48.3	>100 mM	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 05-02-2019

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**