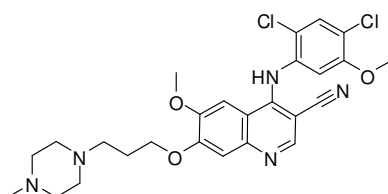




## Certificate of Analysis

**Axon Catalogue ID:** 1407 **Batch Number:** 2  
**Product Name:** SKI 606  
**Alternative Name(s):** Bosutinib  
**IUPAC Name:** 4-(2,4-Dichloro-5-methoxyphenylamino)-6-methoxy-7-(3-(4-methylpiperazin-1-yl)propoxy)quinoline-3-carbonitrile

**Structure:**



**Amount:**

**CAS number(s):** 380843-75-4  
**Molecular Formula:** C<sub>26</sub>H<sub>29</sub>Cl<sub>2</sub>N<sub>5</sub>O<sub>3</sub> **Molecular Weight:** 530.45  
**Batch Molecular Formula:** C<sub>26</sub>H<sub>29</sub>Cl<sub>2</sub>N<sub>5</sub>O<sub>3</sub>.1H<sub>2</sub>O **Batch Molecular Weight:** 548.46  
**Appearance:** White solid **Observed mp:** 112.5 - 116.2 °C  
**TLC (R<sub>f</sub>):** 0.45 DCM/MeOH (9:1)  
**Chemical Purity:** 99.5%  
**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 56.94, H 5.70, N 12.77; Found: C 56.63, H 5.85, N 12.81  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	45.0	82.0	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 29-04-2019

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**