



## Certificate of Analysis

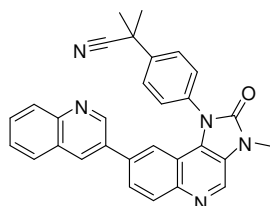
**Axon Catalogue ID:** 1281 **Batch Number:** 3

**Product Name:** BEZ 235

**Alternative Name(s):** NVP-BEZ235; Dactolisib

**IUPAC Name:** 2-Methyl-2-[4-(3-methyl-2-oxo-8-quinolin-3-yl-2,3-dihydro-imidazo[4,5-c]quinolin-1-yl)-phenyl]-propionitrile

**Structure:**



**Amount:**

**CAS number(s):** 915019-65-7

**Molecular Formula:** C<sub>30</sub>H<sub>23</sub>N<sub>5</sub>O **Molecular Weight:** 469.54

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**Appearance:** Off-white solid **Observed mp:** 290 - 292 °C

**TLC (R<sub>f</sub>):** 0.7 DCM/MeOH (9:1)

**Chemical Purity:** 99.2%

**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 76.74, H 4.94, N 14.92; Found: C ND, H ND, N ND

**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	8.6	18.3	Ultrasonication, warming up to 60°C.
	EtOH			Not Tested

**Remarks:**

**QC Date:** 16-04-2018

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**