



## Certificate of Analysis

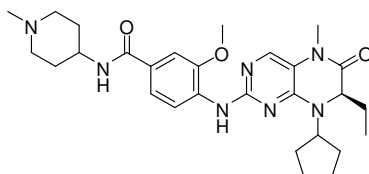
**Axon Catalogue ID:** 1129 **Batch Number:** 4

**Product Name:** BI 2536

**Alternative Name(s):** N.A.

**IUPAC Name:** (R)-4-(8-cyclopentyl-7-ethyl-5-methyl-6-oxo-5,6,7,8-tetrahydropteridin-2-ylamino)-3-methoxy-N-(1-methylpiperidin-4-yl)benzamide

**Structure:**



**Amount:**

**CAS number(s):** 755038-02-9

**Molecular Formula:** C<sub>28</sub>H<sub>39</sub>N<sub>7</sub>O<sub>3</sub>

**Molecular Weight:** 521.65

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**Batch Molecular Weight:** 521.65

**Appearance:** White solid

**Observed mp:** 195.3 - 198.0 °C

**TLC (R<sub>f</sub>):** 0.3 DCM/MeOH (4:1)

**Chemical Purity:** 99.6%

**Optical Purity (ee):** 100%

**<sup>1</sup>H-NMR (300 MHz):** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Calculated: C 64.47, H 7.54, N 18.79; Found: C 64.37, H 7.64, N 18.61

**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	48.0	92.0	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 28-05-2018

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**