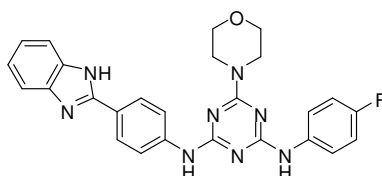




## Certificate of Analysis

**Axon Catalogue ID:** 2933 **Batch Number:** 1  
**Product Name:** IITZ-01  
**Alternative Name(s):** N.A.  
**IUPAC Name:** N2-(4-(1H-Benzo[d]imidazol-2-yl)phenyl)-N4-(4-fluorophenyl)-6-morpholino-1,3,5-triazine-2,4-diamine

**Structure:**



**Amount:**

**CAS number(s):** 1807988-47-1  
**Molecular Formula:** C<sub>26</sub>H<sub>23</sub>FN<sub>8</sub>O **Molecular Weight:** 482.51  
**Batch Molecular Formula:** C<sub>26</sub>H<sub>23</sub>FN<sub>8</sub>O.1.25H<sub>2</sub>O **Batch Molecular Weight:** 505.03  
**Appearance:** White solid **Observed mp:** 191.4 - 194.8 °C  
**TLC (R<sub>f</sub>):** 0.2 Hexane/EtOAc (1:1)  
**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 61.83, H 5.09, N 22.19; Found: C 61.50, H 4.95, N 21.90  
**Storage Conditions:** Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	36.0	71.3	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 11-04-2019

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**