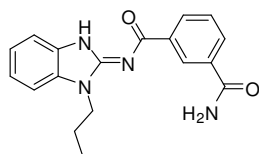




## Certificate of Analysis

**Axon Catalogue ID:** 3282 **Batch Number:** 1  
**Product Name:** Takinib  
**Alternative Name(s):** EDHS-206  
**IUPAC Name:** (E)-N1-(1-Propyl-1H-benzo[d]imidazol-2(3H)-ylidene)isophthalamide

**Structure:**



**Amount:**

**CAS number(s):** 1111556-37-6  
**Molecular Formula:** C<sub>18</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub> **Molecular Weight:** 322.36  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub>·0.5H<sub>2</sub>O **Batch Molecular Weight:** 331.37  
**Appearance:** White solid **Observed mp:** >260 °C  
**TLC (R<sub>f</sub>):** 0.66 DCM/MeOH (9:1)  
**Chemical Purity:** 99.5%  
**Optical Purity (ee):** N.A.  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 65.24, H 5.78, N 16.91; Found: C 64.86, H 5.64, N 17.00  
**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	7.6	22.9	* Warming (50°C) and sonication
	EtOH			Not Tested

**Remarks:** \* Warming (50°C) and sonication enhanced solubility.

**QC Date:** 07-12-2020

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**