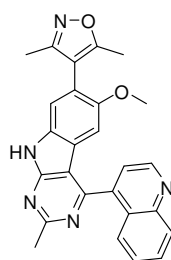




## Certificate of Analysis

**Axon Catalogue ID:** 2776 **Batch Number:** 1  
**Product Name:** CD161  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 4-(6-Methoxy-2-methyl-4-(quinolin-4-yl)-9H-pyrimido[4,5-b]indol-7-yl)-3,5-dimethylisoxazole

**Structure:**



**Amount:**

**CAS number(s):** 1627716-22-6  
**Molecular Formula:** C<sub>26</sub>H<sub>21</sub>N<sub>5</sub>O<sub>2</sub> **Molecular Weight:** 435.48  
**Batch Molecular Formula:** C<sub>26</sub>H<sub>21</sub>N<sub>5</sub>O<sub>2</sub>·0.1H<sub>2</sub>O **Batch Molecular Weight:** 437.28  
**Appearance:** Light-yellow solid **Observed mp:** 287 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.54 DCM/MeOH (9:1)  
**Chemical Purity:** 98.5%  
**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 71.41, H 4.89, N 16.02; Found: C 71.19, H 4.81, N 15.90  
**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	8.3	19.0	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 03-09-2018

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**