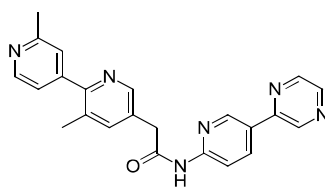




## Certificate of Analysis

**Axon Catalogue ID:** 4390 **Batch Number:** 1  
**Product Name:** LGK974  
**Alternative Name(s):** WNT974  
**IUPAC Name:** N-(5-(2-Pyrazinyl)-2-pyridyl)-(2',3-dimethyl-2,4'-bipyridyl-5-yl)acetamide

**Structure:**



**Amount:**

**CAS number(s):** 1243244-14-5  
**Molecular Formula:** C<sub>23</sub>H<sub>20</sub>N<sub>6</sub>O **Molecular Weight:** 396.45  
**Batch Molecular Formula:** C<sub>23</sub>H<sub>20</sub>N<sub>6</sub>O.0.25H<sub>2</sub>O **Batch Molecular Weight:** 400.95  
**Appearance:** Off-white solid **Observed mp:** 180 - 183 °C  
**TLC (R<sub>f</sub>):** 0.7 DCM/MeOH (9:1)  
**Chemical Purity:** 99.1%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 68.90, H 5.15, N 20.96; Found: C 69.04, H 5.07, N 21.19  
**Storage Conditions:** Store at -20 °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)	9.6	23.9	
	DMSO	40.0	99.8	
	EtOH	0.0	0.0	Insoluble

**Remarks:**

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**