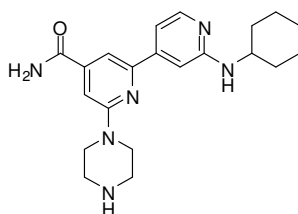




## Certificate of Analysis

**Axon Catalogue ID:** 2798 **Batch Number:** 1  
**Product Name:** BPKDi  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 2'-(Cyclohexylamino)-6-(piperazin-1-yl)-2,4'-bipyridine-4-carboxamide

**Structure:**



**Amount:**

**CAS number(s):** 1201673-28-0  
**Molecular Formula:** C<sub>21</sub>H<sub>28</sub>N<sub>6</sub>O **Molecular Weight:** 380.49  
**Batch Molecular Formula:** C<sub>21</sub>H<sub>28</sub>N<sub>6</sub>O **Batch Molecular Weight:** 380.49  
**Appearance:** Off-white solid **Observed mp:** >260 °C (decomp)  
**TLC (R<sub>f</sub>):** 0.45 DCM/MeOH/NH<sub>3</sub> (4:1:0.05)  
**Chemical Purity:** 99.6%  
**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 66.29, H 7.42, N 22.09; Found: C 65.91, H 7.60, N 21.95  
**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)	16.9	44.4	
	DMSO	12.2	32.1	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 12-04-2018

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**