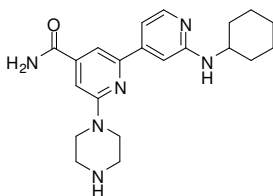




Certificate of Analysis

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: C₂₁H₂₈N₆O **Molecular Weight:** 380.49
Batch Molecular Formula: C₂₁H₂₈N₆O **Batch Molecular Weight:** 380.49
Appearance: Off-white solid **Observed mp:** >260 °C (decomp)
TLC (R_f): 0.45 DCM/MeOH/NH₃ (4:1:0.05)
Chemical Purity: 99.6%
¹H-NMR: 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 (mg/ml)	Solubility (mM)	Remarks
	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: 8-8-2023

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only