



## Certificate of Analysis

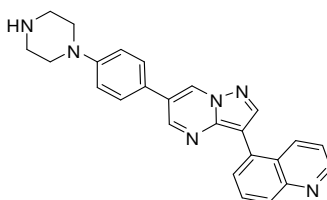
**Axon Catalogue ID:** 3552 **Batch Number:** 1

**Product Name:** LDN 212854

**Alternative Name(s):** N.A.

**IUPAC Name:** 5-(6-(4-(Piperazin-1-yl)phenyl)pyrazolo[1,5-a]pyrimidin-3-yl)quinoline

**Structure:**



**Amount:**

**CAS number(s):** 1432597-26-6

**Molecular Formula:** C<sub>25</sub>H<sub>22</sub>N<sub>6</sub>

**Molecular Weight:** 406.48

**Batch Molecular Formula:** C<sub>25</sub>H<sub>22</sub>N<sub>6</sub>·1.25H<sub>2</sub>O

**Batch Molecular Weight:** 429.00

**Appearance:** Yellow solid

**Observed mp:** >200 °C (decomp)

**TLC (R<sub>f</sub>):** 0.56 DCM/MeOH/NH<sub>3</sub> (10:1:0.1)

**Chemical Purity:** 99.1%

**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure

**Mass Spec:** Analytical data confirm chemical structure

**Microanalysis:** Calculated: C 69.99, H 5.76, N 19.59; Found: C 70.21, H 5.84, N 19.50

**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	11.3	26.3	
	DMSO	7.3	17.0	
	EtOH			Not Tested

**Remarks:**

**QC Date:** 20-12-2021

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**