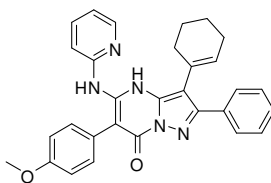




## Certificate of Analysis

**Axon Catalogue ID:** 3515 **Batch Number:** 1  
**Product Name:** AG-270  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 3-Cyclohexenyl-6-(4-methoxyphenyl)-2-phenyl-5-(pyridin-2-ylamino)pyrazolo[1,5-a]pyrimidin-7(4H)-one

**Structure:**



**Amount:**

**CAS number(s):** 2201056-66-6  
**Molecular Formula:** C30H27N5O2 **Molecular Weight:** 489.57  
**Batch Molecular Formula:** C30H27N5O2.H2O **Batch Molecular Weight:** 507.58  
**Appearance:** Pale-orange solid **Observed mp:** >280 °C  
**TLC (R<sub>f</sub>):** 0.7 DCM/MeOH (9:1)  
**Chemical Purity:** 98.9%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 70.99, H 5.76, N 13.80; Found: C 71.34, H 5.50, N 13.76  
**Storage Conditions:** Store at +4 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)	0.0	0.0	Insoluble
0.1N HCl (aq)	0.0	0.0	Insoluble
DMSO	3.5	6.9	* Warming (40°C)
EtOH	0.0	0.0	Insoluble

**Remarks:** \* Warming (40°C) enhanced solubility.

**QC Date:** 4-7-2022

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**