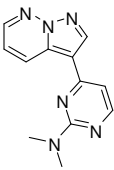




Certificate of Analysis

Axon Catalogue ID:	4056	Batch Number:	1																								
Product Name:	DYRK1A inhibitor compound 11																										
Alternative Name(s):	N.A.																										
IUPAC Name:	N,N-Dimethyl-4-(pyrazolo[1,5-b]pyridazin-3-yl)pyrimidin-2-amine																										
Structure:		Amount:																									
CAS number(s):	2814486-79-6																										
Molecular Formula:	C12H12N6	Molecular Weight:	240.26																								
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Appearance:	Light-brown solid	Observed mp:	>213 °C (decomp)																								
TLC (R_f):	0.8	DCM/MeOH (9:1)																									
Chemical Purity:	98.3%																										
¹H-NMR:	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 59.99, H 5.03, N 34.98; Found: C 60.10, H 4.86, N 35.11																										
Storage Conditions:	Store at -20 °C																										
Solubility Data:	<table><thead><tr><th>Solvent</th><th>Solubility (mg/ml)</th><th>Solubility (mM)</th><th>Remarks</th></tr></thead><tbody><tr><td>Water</td><td>0.0</td><td>0.0</td><td>Insoluble</td></tr><tr><td>0.1N NaOH (aq)</td><td></td><td></td><td>Not Tested</td></tr><tr><td>0.1N HCl (aq)</td><td>8.0</td><td>33.3</td><td></td></tr><tr><td>DMSO</td><td>24.0</td><td>>100 mM</td><td>* Warming (40°C)</td></tr><tr><td>EtOH</td><td>9.2</td><td>38.3</td><td>* Warming (40°C)</td></tr></tbody></table>	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks	Water	0.0	0.0	Insoluble	0.1N NaOH (aq)			Not Tested	0.1N HCl (aq)	8.0	33.3		DMSO	24.0	>100 mM	* Warming (40°C)	EtOH	9.2	38.3	* Warming (40°C)		
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Remarks:	* Warming (40°C) enhanced solubility.																										
QC Date:	13-12-2023																										

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