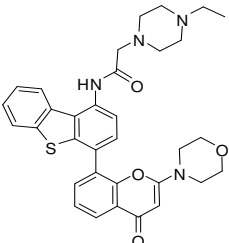




Certificate of Analysis

Axon Catalogue ID:	2604	Batch Number:	2																								
Product Name:	KU-0060648																										
Alternative Name(s):	N.A.																										
IUPAC Name:	2-(4-Ethylpiperazin-1-yl)-N-(4-(2-morpholino-4-oxo-4H-chromen-8-yl)dibenzo[b,d]thiophen-1-yl)acetamide																										
Structure:		Amount:																									
CAS number(s):	881375-00-4																										
Molecular Formula:	C33H34N4O4S	Molecular Weight:	582.71																								
Batch Molecular Formula:	C33H34N4O4S.0.25H2O	Batch Molecular Weight:	587.22																								
Appearance:	Beige solid	Observed mp:	> 250 °C (decomp)																								
TLC (R_f):	0.3	DCM/MeOH (9:1)																									
Chemical Purity:	98.6%																										
¹H-NMR:	Analytical data confirm chemical structure																										
Mass Spec:	Analytical data confirm chemical structure																										
Microanalysis:	Calculated: C 67.50, H 5.92, N 9.54; Found: C 67.45, H 5.89, N 9.52																										
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>29.0</td><td>49.4</td><td></td></tr><tr><td>DMSO</td><td>10.0</td><td>17.0</td><td></td></tr><tr><td>EtOH</td><td></td><td></td><td>Not Tested</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)	29.0	49.4		DMSO	10.0	17.0		EtOH			Not Tested		
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Remarks:																											
QC Date:	22-11-2021																										

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 indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only