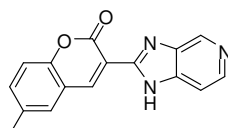




Certificate of Analysis

Axon Catalogue ID: 3180 **Batch Number:** 1
Product Name: JMJD6 inhibitor WL12
Alternative Name(s): N.A.
IUPAC Name: 3-(1H-Imidazo[4,5-c]pyridin-2-yl)-6-methyl-2H-chromen-2-one

Structure:



Amount:

CAS number(s): 899548-78-8
Molecular Formula: C₁₆H₁₁N₃O₂ **Molecular Weight:** 277.28
Batch Molecular Formula: C₁₆H₁₁N₃O₂·0.1H₂O **Batch Molecular Weight:** 279.08
Appearance: Yellow solid **Observed mp:** >272 °C (decomp)
TLC (R_f): 0.6 DCM/MeOH (9:1)
Chemical Purity: 99.6%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 68.86, H 4.05, N 15.06; Found: C 68.65, H 3.87, N 15.02
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility		Remarks
		(mg/ml)	(mM)	
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	0.0	0.0	Insoluble
	DMSO	15.3	54.9	*Warming (40°C)
	EtOH			Not Tested

Remarks: *Warming (40°C) enhances solubility.

QC Date: 18-01-2021

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