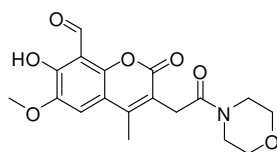




Certificate of Analysis

Axon Catalogue ID: 3223 **Batch Number:** 1
Product Name: MKC8866
Alternative Name(s): N.A.
IUPAC Name: 7-Hydroxy-6-methoxy-4-methyl-3-(2-morpholino-2-oxoethyl)-2-oxo-2H-chromene-8-carbaldehyde

Structure:



Amount:

CAS number(s): 1338934-59-0
Molecular Formula: C₁₈H₁₉NO₇ **Molecular Weight:** 361.35
Batch Molecular Formula: C₁₈H₁₉NO₇ **Batch Molecular Weight:** 361.35
Appearance: Yellow solid **Observed mp:** 242.0 - 244.0 °C
TLC (R_f): 0.63 DCM/MeOH (9:1)
Chemical Purity: 99.7%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 59.83, H 5.30, N 3.88; Found: C 59.68, H 5.29, N 4.00
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	11.0	30.4	* Warming (40°C) and sonication
	EtOH			Not Tested

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

QC Date: 22-10-2020

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