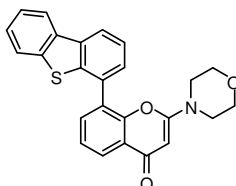




Certificate of Analysis

Axon Catalogue ID: 1463 **Batch Number:** 3
Product Name: NU 7441
Alternative Name(s): KU-47788
IUPAC Name: 8-(Dibenzo[b,d]thiophen-4-yl)-2-morpholino-4H-chromen-4-one

Structure:



Amount:

CAS number(s): 503468-95-9
Molecular Formula: C₂₅H₁₉NO₃S **Molecular Weight:** 413.49
Batch Molecular Formula: C₂₅H₁₉NO₃S **Batch Molecular Weight:** 413.49
Appearance: Off-white solid **Observed mp:** 220.1 - 222.9 °C
TLC (R_f): 0.2 DCM/MeOH (20:1)
Chemical Purity: 99.8%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 72.62, H 4.63, N 3.39; Found: C ND, H ND, N ND
Storage Conditions: Store at +4 °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	6.0	14.5	
	EtOH			Not Tested

Remarks:

QC Date: 12-2-2018

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