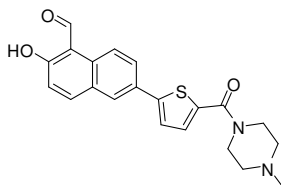




Certificate of Analysis

Axon Catalogue ID: 3670 **Batch Number:** 1
Product Name: MKC-3946
Alternative Name(s): N.A.
IUPAC Name: 2-Hydroxy-6-(5-(4-methylpiperazine-1-carbonyl)thiophen-2-yl)-1-naphthaldehyde

Structure:



Amount:

CAS number(s): 1093119-54-0
Molecular Formula: C₂₁H₂₀N₂O₃S **Molecular Weight:** 380.46
Batch Molecular Formula: C₂₁H₂₀N₂O₃S **Batch Molecular Weight:** 380.46
Appearance: Yellow solid **Observed mp:** 191 °C
TLC (R_f): 0.44 DCM/MeOH (9:1)
Chemical Purity: 99.6%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 66.29, H 5.30, N 7.36; Found: C 65.95, H 5.14, N 7.23
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)	38.0	>100 mM	
	DMSO	35.0	92.0	
	EtOH	3.0	7.9	

Remarks:

QC Date: 14-7-2022

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