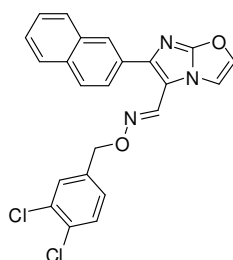


Certificate of Analysis

Axon Catalogue ID: 3021 **Batch Number:** 1
Product Name: DL5050
Alternative Name(s): N.A.
IUPAC Name: (E)-6-(Naphthalen-2-yl)imidazo[2,1-b]oxazole-5-carbaldehyde O-3,4-dichlorobenzyl oxime

Structure:



Amount:

CAS number(s): 2259710-64-8
Molecular Formula: C₂₃H₁₅Cl₂N₃O₂ **Molecular Weight:** 436.29
Batch Molecular Formula: C₂₃H₁₅Cl₂N₃O₂·0.25H₂O **Batch Molecular Weight:** 440.79
Appearance: Off-white solid **Observed mp:** 162.8 - 164.3 °C
TLC (R_f): 0.23 Hex/EtOAc (4:1)
Chemical Purity: 99.0%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 62.67, H 3.54, N 9.53; Found: C 62.70, H 3.37, N 9.60
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)			Not Tested
	DMSO	8.7	19.7	* Warming (60°C) and sonication
	EtOH			Not Tested

Remarks: * Warming (60°C) and sonication enhanced solubility.

QC Date: 28-05-2020

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