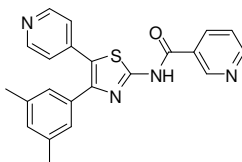




Certificate of Analysis

Axon Catalogue ID: 3847 **Batch Number:** 1
Product Name: DPTN
Alternative Name(s): N.A.
IUPAC Name: N-(4-(3,5-Dimethylphenyl)-5-(pyridin-4-yl)thiazol-2-yl)nicotinamide

Structure:



Amount:

CAS number(s): 224040-19-1
Molecular Formula: C₂₂H₁₈N₄O_S **Molecular Weight:** 386.47
Batch Molecular Formula: C₂₂H₁₈N₄O_S **Batch Molecular Weight:** 386.47
Appearance: Beige solid **Observed mp:** 268.0 - 270.4 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.5%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 68.37, H 4.69, N 14.50; Found: C 68.11, H 4.64, N 14.32
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)	0.0	0.0	Insoluble
	DMSO	7.6	19.7	
	EtOH	0.0	0.0	Insoluble

Remarks:

QC Date: 25-4-2023

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