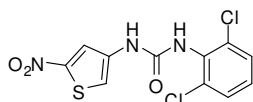




Certificate of Analysis

Axon Catalogue ID: 2987 **Batch Number:** 1
Product Name: DFP00173
Alternative Name(s): N.A.
IUPAC Name: 1-(2,6-Dichlorophenyl)-3-(5-nitrothiophen-3-yl)urea

Structure:



Amount:

CAS number(s): 672286-03-2
Molecular Formula: C₁₁H₇Cl₂N₃O₃S **Molecular Weight:** 332.16
Batch Molecular Formula: C₁₁H₇Cl₂N₃O₃S **Batch Molecular Weight:** 332.16
Appearance: Yellow solid **Observed mp:** 249.3 - 251.1 °C
TLC (R_f): 0.7 DCM/MeOH (20:1)
Chemical Purity: 98.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 39.78, H 2.12, N 12.65; Found: C 40.08, H 2.10, N 12.71
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	33.2	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 24-04-2020

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