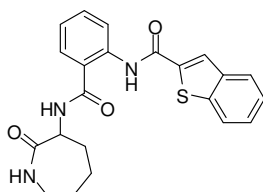




Certificate of Analysis

Axon Catalogue ID: 2468 **Batch Number:** 1
Product Name: ANA 12
Alternative Name(s): N.A.
IUPAC Name: N-(2-(2-Oxoazepan-3-ylcarbamoyl)phenyl)benzo[b]thiophene-2-carboxamide

Structure:



Amount:

CAS number(s): 219766-25-3
Molecular Formula: C₂₂H₂₁N₃O₃S **Molecular Weight:** 407.49
Batch Molecular Formula: C₂₂H₂₁N₃O₃S.0.75H₂O **Batch Molecular Weight:** 421.00
Appearance: White solid **Observed mp:** 259.2 - 261.2 °C
TLC (R_f): 0.63 DCM/MeOH (20:1)
Chemical Purity: 100%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 62.76, H 5.39, N 9.98; Found: C 62.77, H 5.08, N 10.20
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water			Not Tested
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	3.4	8.1	
	EtOH			Not Tested

Remarks:

QC Date: 03-09-2020

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