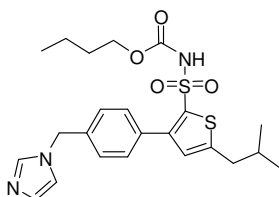




Certificate of Analysis

Axon Catalogue ID: 1969 **Batch Number:** 4
Product Name: M 24
Alternative Name(s): N.A.
IUPAC Name: Butyl 3-(4-((1H-imidazol-1-yl)methyl)phenyl)-5-isobutylthiophen-2-ylsulfonylcarbamate

Structure:



Amount:

CAS number(s): 477775-14-7
Molecular Formula: C₂₃H₂₉N₃O₄S₂ **Molecular Weight:** 475.62
Batch Molecular Formula: C₂₃H₂₉N₃O₄S₂·0.75H₂O **Batch Molecular Weight:** 489.14
Appearance: White solid **Observed mp:** 135.7 - 136.4 °C
TLC (R_f): 0.6 DCM/MeOH (9:1)
Chemical Purity: 97.5%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 56.48, H 6.29, N 8.59; Found: C 56.48, H 5.91, N 8.47
Storage Conditions: Store 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)	23.0	47.0	
	DMSO	48.9	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 28-01-2020

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