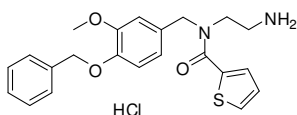




Certificate of Analysis

Axon Catalogue ID: 2423 **Batch Number:** 1
Product Name: M8-B hydrochloride
Alternative Name(s): N.A.
IUPAC Name: N-(2-Aminoethyl)-N-(4-(benzyloxy)-3-methoxybenzyl)thiophene-2-carboxamide hydrochloride

Structure:



Amount:

CAS number(s): 884049-35-8 (parent), 883976-12-3 (HCl (1:1))
Molecular Formula: C₂₂H₂₄N₂O₃S.HCl **Molecular Weight:** 432.96
Batch Molecular Formula: C₂₂H₂₄N₂O₃S.HCl.0.25H₂O **Batch Molecular Weight:** 437.47
Appearance: White solid **Observed mp:** 135 - 136 °C
TLC (R_f): 0.55 DCM/MeOH/NH₃ (9:1:0.1)
Chemical Purity: 99.3%
Optical Purity (ee): N.A.
¹H-NMR (300 MHz): Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 60.40, H 5.88, N 6.40; Found: C 60.12, H 5.95, N 6.39
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	4.8	11.0	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	43.7	>100 mM	
	EtOH			Not Tested

Remarks:

QC Date: 22-9-2020

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