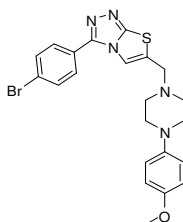




Certificate of Analysis

Axon Catalogue ID: 4018 **Batch Number:** 1
Product Name: FSEN1
Alternative Name(s): N.A.
IUPAC Name: 3-(4-Bromophenyl)-6-((4-(4-methoxyphenyl)piperazin-1-yl)methyl)thiazolo[2,3-c][1,2,4]triazole

Structure:



Amount:

CAS number(s): 862808-01-3
Molecular Formula: C₂₂H₂₂BrN₅O₅ **Molecular Weight:** 484.41
Batch Molecular Formula: C₂₂H₂₂BrN₅O₅.0.25H₂O **Batch Molecular Weight:** 488.92
Appearance: Beige solid **Observed mp:** 213 °C
TLC (R_f): 0.33 DCM/MeOH (20:1)
Chemical Purity: 98.7%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 54.05, H 4.64, N 14.32; Found: C 53.91, H 4.55, N 14.17
Storage Conditions: Store at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	0.0	0.0	Insoluble
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)	3.9	8.0	* Warming (40°C)
DMSO	6.8	13.9	
EtOH	3.5	7.2	* Warming (40°C)

Remarks: * Warming (40°C) enhanced solubility.

QC Date: 18-3-2024

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