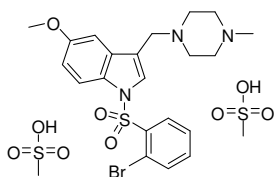




Certificate of Analysis

Axon Catalogue ID: 2715 **Batch Number:** 2
Product Name: SUVN-502
Alternative Name(s): Masupirdine
IUPAC Name: 1-(2-Bromophenylsulfonyl)-5-methoxy-3-((4-methylpiperazin-1-yl)methyl)-1H-indole bismesylate

Structure:



Amount:

CAS number(s): 701205-60-9 (parent), 1791396-46-7 (mesylate (1:2))
Molecular Formula: C₂₁H₂₄BrN₃O₃S₂CH₄O₃S **Molecular Weight:** 670.61
Batch Molecular Formula: C₂₁H₂₄BrN₃O₃S₂CH₄O₃S_{0.5}H₂O **Batch Molecular Weight:** 679.62
Appearance: Light-purple solid **Observed mp:** 224 - 225 °C
TLC (R_f): 0.63 DCM/MeOH (9:1)
Chemical Purity: 100%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 40.65, H 4.89, N 6.18; Found: C 40.28, H 4.86, N 5.92
Storage Conditions: Desiccate at -20 °C

Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
Water	68.0	>100 mM	
0.1N NaOH (aq)			Not Tested
0.1N HCl (aq)			Not Tested
DMSO	68.0	>100 mM	
EtOH	2.1	3.1	Insoluble

Remarks:

QC Date: 23-8-2023

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