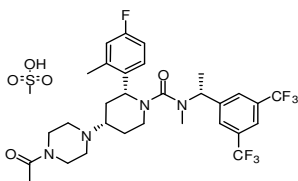




Certificate of Analysis

Axon Catalogue ID: 1901 **Batch Number:** 2
Product Name: Casopitant mesylate
Alternative Name(s): GW 679769B
IUPAC Name: (2R,4S)-4-(4-Acetylpiperazin-1-yl)-N-((R)-1-(3,5-bis(trifluoromethyl)phenyl)ethyl)-2-(4-fluoro-2-methylphenyl)-N-methylpiperidine-1-carboxamide methanesulfonate

Structure:



Amount:

CAS number(s): 414910-27-3 (parent), 414910-30-8 (mesylate (1:1))
Molecular Formula: C30H35F7N4O2.CH4O3S **Molecular Weight:** 712.72
Batch Molecular Formula: C30H35F7N4O2.CH4O3S.0.5H2O **Batch Molecular Weight:** 721.73
Appearance: White solid **Observed mp:** 247.0 - 248.0 °C
TLC (R_f): 0.68 DCM/MeOH (9:1)
Chemical Purity: 99.2%
Optical Purity (ee): 100%
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 51.59, H 5.59, N 7.76; Found: C 51.39, H 5.54, N 7.72
Storage Conditions: Desiccate at -20 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	64.0	88.7	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	72.2	>100 mM	
	EtOH	15.0	20.8	

Remarks: The compound is hygroscopic. Keep dry and avoid light.
QC Date: 16-9-2021

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