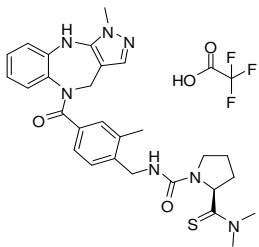


Certificate of Analysis

Axon Catalogue ID:	3071	Batch Number:	1
Product Name:	LIT-001		
Alternative Name(s):	LIT-001 trifluoroacetate		
IUPAC Name:	(S)-2-(Dimethylcarbamothioyl)-N-(2-methyl-4-(1-methyl-1,4,5,10-tetrahydrobenzo[b]pyrazolo[3,4-e][1,4]diazepine-5-carbonyl)benzyl)pyrrolidine-1-		
Structure:			Amount:
CAS number(s):	2245072-20-0 (parent), 2245072-21-1 (TFA (1:1))		
Molecular Formula:	C ₂₈ H ₃₃ N ₇ O ₂ S.1.5C ₂ HF ₃ O ₂	Molecular Weight:	702.71
Batch Molecular Formula:	C ₂₈ H ₃₃ N ₇ O ₂ S.1.5C ₂ HF ₃ O ₂ .1H ₂ O	Batch Molecular Weight:	720.72
Appearance:	Off-white solid	Observed mp:	145 °C
TLC (R_f):	0.47	DCM/MeOH (9:1)	
Chemical Purity:	98.1%		
Optical Purity (ee):	Optically pure		
¹H-NMR (300 MHz):	Analytical data confirm chemical structure		
Mass Spec:	Analytical data confirm chemical structure		
Microanalysis:	Calculated: C 51.66, H 5.10, N 13.60; Found: C 51.81, H 5.29, N 13.47		
Storage Conditions:	Desiccate at -20 °C		
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)
	Water	0.0	0.0
	0.1N NaOH (aq)		Insoluble
	0.1N HCl (aq)		Not Tested
	DMSO	72.1	>100 mM
	EtOH		Not Tested
Remarks:			
QC Date:	06-02-2020		

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