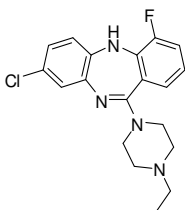




Certificate of Analysis

Axon Catalogue ID: 3281 **Batch Number:** 1
Product Name: JHU37160
Alternative Name(s): N.A.
IUPAC Name: 8-Chloro-11-(4-ethylpiperazin-1-yl)-4-fluoro-5H-dibenzo[b,e][1,4]diazepine

Structure:



Amount:

CAS number(s): 2369979-68-8
Molecular Formula: C₁₉H₂₀ClFN₄ **Molecular Weight:** 358.84
Batch Molecular Formula: C₁₉H₂₀ClFN₄ **Batch Molecular Weight:** 358.84
Appearance: Yellow solid **Observed mp:** 142.5 - 143.5 °C
TLC (R_f): 0.5 DCM/MeOH (9:1)
Chemical Purity: 99.2%
Optical Purity (ee): N.A.
¹H-NMR: Analytical data confirm chemical structure
Mass Spec: Analytical data confirm chemical structure
Microanalysis: Calculated: C 63.59, H 5.62, N 15.61; Found: C 63.58, H 6.65, N 15.70
Storage Conditions: Store at +4 °C

Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	18.0	50.2	
	DMSO	35.9	>100 mM	
	EtOH	29.3	81.7	

Remarks:

QC Date: 13-4-2022

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