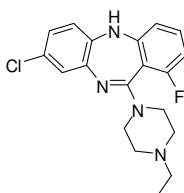




## Certificate of Analysis

**Axon Catalogue ID:** 3280 **Batch Number:** 1  
**Product Name:** JHU37152  
**Alternative Name(s):** N.A.  
**IUPAC Name:** 8-Chloro-11-(4-ethylpiperazin-1-yl)-1-fluoro-5H-dibenzo[b,e][1,4]diazepine

**Structure:**



**Amount:**

**CAS number(s):** 2369979-67-7  
**Molecular Formula:** C<sub>19</sub>H<sub>20</sub>ClFN<sub>4</sub> **Molecular Weight:** 358.84  
**Batch Molecular Formula:** C<sub>19</sub>H<sub>20</sub>ClFN<sub>4</sub>·0.25H<sub>2</sub>O **Batch Molecular Weight:** 363.34  
**Appearance:** Yellow solid **Observed mp:** 79 - 81 °C  
**TLC (R<sub>f</sub>):** 0.25 DCM/MeOH (20:1)  
**Chemical Purity:** 99.8%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 62.81, H 5.69, N 15.42; Found: C 63.07, H 5.61, N 15.54  
**Storage Conditions:** Store at +4 °C

<b>Solubility Data:</b>	<b>Solvent</b>	<b>Solubility (mg/ml)</b>	<b>Solubility (mM)</b>	<b>Remarks</b>
	Water	0.0	0.0	Insoluble
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)	26.7	73.5	
	DMSO	36.3	>100 mM	
	EtOH	36.3	>100 mM	

**Remarks:**

**QC Date:** 1-6-2022

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](mailto:info@axonmedchem.com) indicating Catalogue ID and Batch number.

**Caution: Not fully tested. For research purposes only**