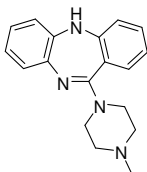




## Certificate of Analysis

**Axon Catalogue ID:** 3965 **Batch Number:** 1  
**Product Name:** Deschloroclozapine  
**Alternative Name(s):** DCZ  
**IUPAC Name:** (E)-11-(4-Methylpiperazin-1-yl)-5H-dibenzo[b,e][1,4]diazepine

**Structure:**



**Amount:**

**CAS number(s):** 1977-07-7  
**Molecular Formula:** C<sub>18</sub>H<sub>20</sub>N<sub>4</sub> **Molecular Weight:** 292.38  
**Batch Molecular Formula:** C<sub>18</sub>H<sub>20</sub>N<sub>4</sub> **Batch Molecular Weight:** 292.38  
**Appearance:** Yellow solid **Observed mp:** 182 - 183 °C  
**TLC (R<sub>f</sub>):** 0.25 DCM/MeOH (20:1)  
**Chemical Purity:** 99.1%  
**<sup>1</sup>H-NMR:** Analytical data confirm chemical structure  
**Mass Spec:** Analytical data confirm chemical structure  
**Microanalysis:** Calculated: C 73.94, H 6.89, N 19.16; Found: C 73.89, H 6.90, N 19.22  
**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)	15.3	52.4	
	DMSO	29.2	>100 mM	
	EtOH	23.0	78.7	

**Remarks:**

**QC Date:** 18-8-2023

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

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