

# Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB9126	
Compound name	Deschloroclozapine dihydrochloride	
Chemical name	6-(4-methylpiperazin-1-yl)-11H-benzo[b][1,4]benzodiazepine dihydrochloride	
Batch number	E1483-2-2	
Batch molecular formula	$C_{18}H_{20}N_4 \cdot 2HCl \cdot 1.5H_2O$	
Batch molecular weight	392.33	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.2%
NMR	$^1H$ NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
Microanalysis	Elemental analysis is within 0.4% for the batch molecular formula	Meets specification
Physical appearance	Yellow to green solid	Meets specification: Yellow solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

05-05-21

This product is for RESEARCH USE ONLY and is not intended for therapeutic or diagnostic use. Not for human or veterinary use.