

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB6149	
Compound name	Clozapine N-oxide dihydrochloride	
Chemical name	8-Chloro-11-(4-methyl-4-oxido-1-piperazinylium)-5H-dibenzo[b,e][1,4]diazepine dihydrochloride	
Batch number	E1895-1-1	
Batch molecular formula	C ₁₈ H ₁₉ ClN ₄ O.2HCl.1.3H ₂ O	
Batch molecular weight	439.17	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.6%
NMR	¹ H 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
TLC	TLC analysis in 10% MeOH/DCM shows one spot under uv	Meets specification: R _f =0.25
Physical appearance	Yellow to brown solid	Meets specification: Orange solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

28/03/2022

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