

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB6129	
Compound name	Clozapine dihydrochloride	
Chemical name	8-Chloro-11-(4-methyl-1-piperazinyl)-5H-dibenzo[b,e][1,4]diazepine dihydrochloride	
Batch number	E1283-1-1	
Batch molecular formula	C ₁₈ H ₁₉ ClN ₄ ·2HCl·2H ₂ O	
Batch molecular weight	435.78	

Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 100%
NMR	¹ H NMR in D ₂ O 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 + 1% NEt ₃ shows one spot under uv	Meets specification: R _f =0.3
Physical appearance	Orange to yellow solid	Meets specification: Orange solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

13/02/2020

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