

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1607	
Compound name	Clozapine	
Chemical name	8-Chloro-11-(4-methyl-1-piperazinyl)-5H-dibenzo[b,e][1,4]diazepine	
Batch number	E1254-1-1	
Batch molecular formula	C ₁₈ H ₁₉ N ₄ Cl·0.1H ₂ O	
Batch molecular weight	326.83	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.4%
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 5% MeOH/DCM + 1% NEt ₃ shows one spot under uv	Meets specification: R _f =0.5
Physical appearance	Yellow to pale yellow solid	Meets specification: Yellow solid
Solubility	Soluble in DMSO (100 mM) and in ethanol (50 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

14-01-20

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