

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1807	
Compound name	CNO freebase	
Chemical name	8-Chloro-11-(4-methyl-4-oxido-1-piperazinyl)-5H-dibenzo[b,e][1,4]diazepine	
Batch number	E1458-3-1	
Batch molecular formula	C ₁₈ H ₁₉ ClN ₄ O.1.6H ₂ O	
Batch molecular weight	371.65	
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 =0.2
Physical appearance	Yellow to pale yellow solid	Meets specification: Yellow solid
Solubility	Soluble in DMSO (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

02/08/2022

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