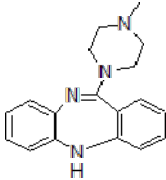


Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB8555	
Compound name	Deschloroclozapine	
Chemical name	6-(4-methylpiperazin-1-yl)-11H-benzo[b][1,4]benzodiazepine	
Batch number	E2074-1-4	
Batch molecular formula	C ₁₈ H ₂₀ N ₄ ·0.1H ₂ O	
Batch molecular weight	294.18	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.1%
NMR	¹ H NMR in CDCl ₃ 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 25% MeOH/DCM + NH ₃ shows one spot under uv	Meets specification: R _f =0.1
Physical appearance	Yellow to brown solid solid	Meets specification: Yellow solid
Solubility	Soluble in DMSO (100 mM) and in ethanol (50 mM with warming)	Meets specification

Produced by

Signature

Passed by

Signature

Date

04/11/2022

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