

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB1958	
Compound name	Ivermectin	
Chemical name	22,23-Dihydroavermectin B1	
Batch number	E0715-1-1	
Batch molecular formula	C ₄₈ H ₇₄ O ₁₄	
Batch molecular weight	875.10	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >95% purity	Meets specification: 95.2%
NMR	¹ H NMR in DMSO at 400 MHz consistent with structure	Meets specification
Mass spectrum	Electrospray positive analysis consistent with structure	Meets specification
TLC	TLC analysis in 50% PAW/BuOH shows one spot under KMnO ₄	Meets specification: R _f =0.7
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in DMSO (50 mM)	Meets specification
Biological validation		

Produced by

Signature

Passed by

Signature

Date

08-12-17

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