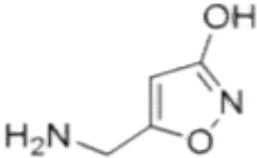


Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB0887	
Compound name	Muscimol	
Chemical name	5-Aminomethyl-3-hydroxyisoxazole	
Batch number	E0789-2-1	
Batch molecular formula	C ₄ H ₈ N ₂ O ₂ ·0.3H ₂ O	
Batch molecular weight	119.51	
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 50% PAW/BuOH shows one spot under ninhydrin	Meets specification: R _f =0.5
Physical appearance	White to off-white solid	Meets specification: Off-white solid
Solubility	Soluble in water (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

31-05-18

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