

Certificate of Analysis



Product Identification		Chemical Structure
Catalog number	HB4522	
Compound name	Ribavirin	
Chemical name	1-β-D-Ribofuranosyl-1H-1,2,4-triazole-3-carboxamide	
Batch number	E1376-1-1	
Batch molecular formula	C ₈ H ₁₂ N ₄ O ₅	
Batch molecular weight	244.21	
Method	QC requirement	QC Result
HPLC	Reverse Phase HPLC shows >98% purity	Meets specification: 99.9%
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 67% PAW/BuOH shows one spot under ninhydrin	Meets specification: R _f =0.4
Physical appearance	White to off-white solid	Meets specification: White solid
Solubility	Soluble in water (100 mM) and in DMSO (100 mM)	Meets specification

Produced by

Signature

Passed by

Signature

Date

14-10-20

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