Certificate of Analysis

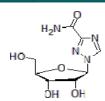


Product Identification Chemical Structure

Catalog numberHB4522Compound nameRibavirin

 Chemical name
 1-β-D-Ribofuranosyl-1H-1,2,4-triazole-3-carboxamide

 $\begin{array}{lll} \textbf{Batch number} & & \text{E1376-1-1} \\ \textbf{Batch molecular formula} & & \text{C}_8\text{H}_{12}\text{N}_4\text{O}_5 \\ \textbf{Batch molecular weight} & & 244.21 \\ \end{array}$



Method	QC requirement	QC Result
HPLC NMR	Reverse Phase HPLC shows >98% purity 1H NMR in DMSO at 400 MHz consistent with structure	Meets specification: 99.9% 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 14-10-2

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