



Certificate of Analysis

Axon Catalogue ID:	3573	Batch Number:	1	
Product Name:	Ribavirin			
Alternative Name(s):	1-β-D-Ribofuranosyl-1,2,4-triazole-3-carboxamide			
IUPAC Name:	1-((2R,3R,4S,5R)-3,4-Dihydroxy-5-(hydroxymethyl)tetrahydrofuran-2-yl)-1H-1,2,4-triazole-3-carboxamide			
Structure:			Amount:	
CAS number(s):	36791-04-5			
Molecular Formula:	C8H12N4O5	Molecular Weight:	244.20	
Batch Molecular Formula:	C8H12N4O5	Batch Molecular Weight:	244.20	
Appearance:	White solid	Observed mp:	168.5 - 170.0 °C	
TLC (R_f):	0.35	n-BuOH/H ₂ O/AcOH (7:2:1)		
Chemical Purity:	100%			
Optical Purity (ee):	Optically pure			
¹H-NMR:	Analytical data confirm chemical structure			
Mass Spec:	Analytical data confirm chemical structure			
Microanalysis:	Calculated: C 39.35, H 4.95, N 22.94; Found: C 39.35, H 4.88, N 23.12			
Storage Conditions:	Store at +4 °C			
Solubility Data:	Solvent	Solubility (mg/ml)	Solubility (mM)	Remarks
	Water	24.4	>100 mM	
	0.1N NaOH (aq)			Not Tested
	0.1N HCl (aq)			Not Tested
	DMSO	24.4	>100 mM	
	EtOH	0.0	0.0	Insoluble
Remarks:				
QC Date:	5-4-2022			

The purity of Axon Ligands is confirmed by HPLC, MS, NMR and/or microanalysis. Analytical data are available upon request. Request can be submitted by e-mail to info@axonmedchem.com indicating Catalogue ID and Batch number.

Caution: Not fully tested. For research purposes only