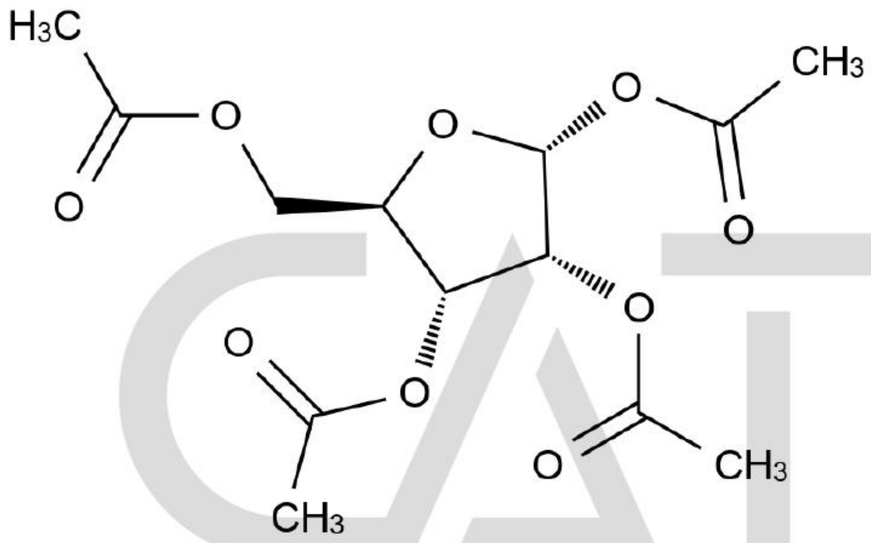
Certificate of Analysis

Reference Material & Standard

Product Name:	Ribavirin Impurity N5	**Catalogue Number:**	CP138613
Synonyms:	N/A	**Lot Number:**	0813-RH-0073
CAS Number:	50730-26-2	**Expiry Date:**	Aug 18, 2030
Molecular Formula:	$C_{13}H_{18}O_9$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	318.28	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	ELSD	99.661%
Loss on Drying	TGA	0.1562%
Assay		99.5%

CATO Research Chemicals Inc.

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Loss on Drying) * Purity ELSD (%) /100%*
Loss on Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by: Alice Date: Aug 19, 2026

Reviewed by: Koi Date: Aug 19, 2026

Approved by General Manager: David Date: Aug 19, 2026

CATO Research Chemicals Inc.