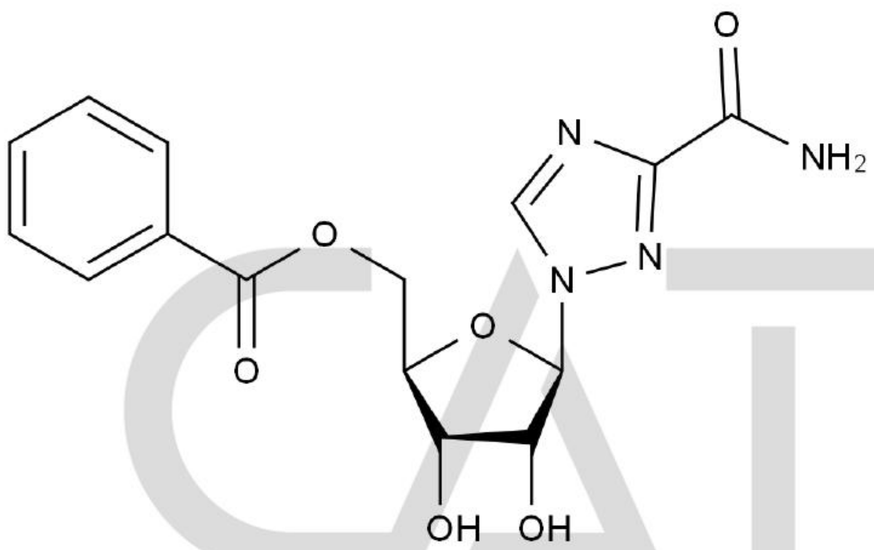
Certificate of Analysis

Reference Material & Standard

Product Name:	Ribavirin Impurity E	**Catalogue Number:**	C4X-14135
Synonyms:	N/A	**Lot Number:**	1030-RH-0065
CAS Number:	58151-90-9	**Expiry Date:**	Oct 28, 2030
Molecular Formula:	$C_{15}H_{16}N_4O_6$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	348.31	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.9298%
Loss on Drying	TGA	0.000%
Assay	Mass Balance	99.9%

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Comment:

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

Signature:

Prepared by: Date: Nov 03, 2026

Reviewed by: Date: Nov 04, 2026

Approved by General Manager: Date: Nov 04, 2026

CATO Research Chemicals Inc.