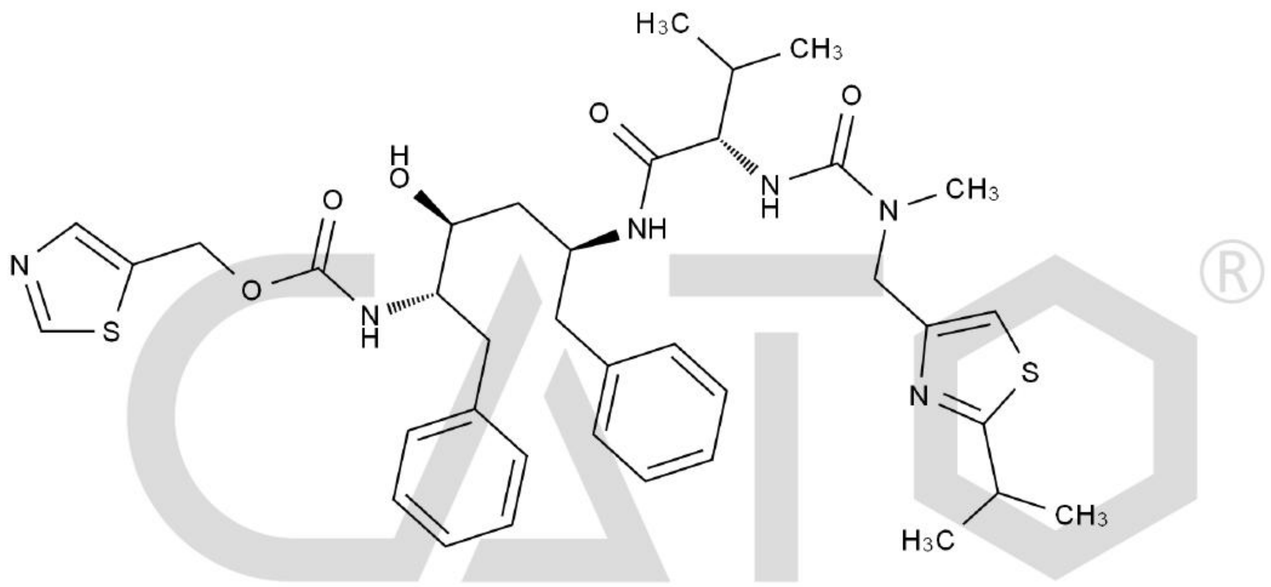
Certificate of Analysis

Reference Material & Standard

Product Name:	Ritonavir	**Catalogue Number:**	C4X-1751
Synonyms:	N/A	**Lot Number:**	1115-RH-0049
CAS Number:	155213-67-5	**Expiry Date:**	Nov 16, 2030
Molecular Formula:	$C_{37}H_{48}N_6O_5S_2$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	720.94	**Shipping Condition:**	Shipping with Ice Packs
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.735%
Residue on Ignition	TGA	0.4403%
Loss on Drying	TGA	0.0742%
Assay	qNMR	98.7%
Assay (Assigned Value)	Mass Balance	99.2%

Comment:

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

Signature:

Prepared by: Alice — Date: Nov 17, 2026

Reviewed by: Koi — Date: Nov 17, 2026

Approved by General Manager: David — Date: Nov 17, 2026

CATO Research Chemicals Inc.