

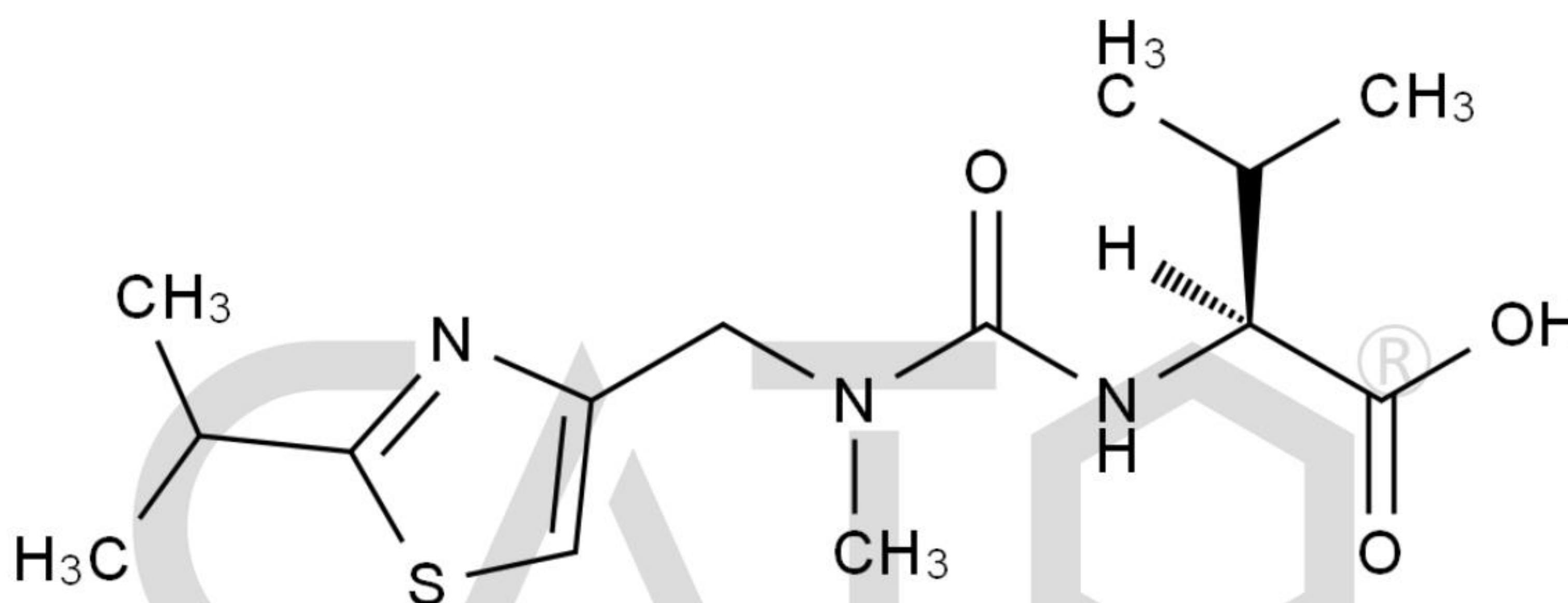
Certificate of Analysis

Reference Material & Standard

Product Name:	Ritonavir EP Impurity A	Catalogue Number:	C4X-17512
Synonyms:	N/A	Lot Number:	0309-RD-0059
CAS Number:	154212-61-0	Expiry Date:	Jul 13, 2029
Molecular Formula:	C ₁₄ H ₂₃ N ₃ O ₃ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	313.42	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.314%
Loss On Drying	TGA	0.0564%
Assay		99.3%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

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Reviewed by:

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Approved by General Manager:

David

Date: Jul 14, 2025

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