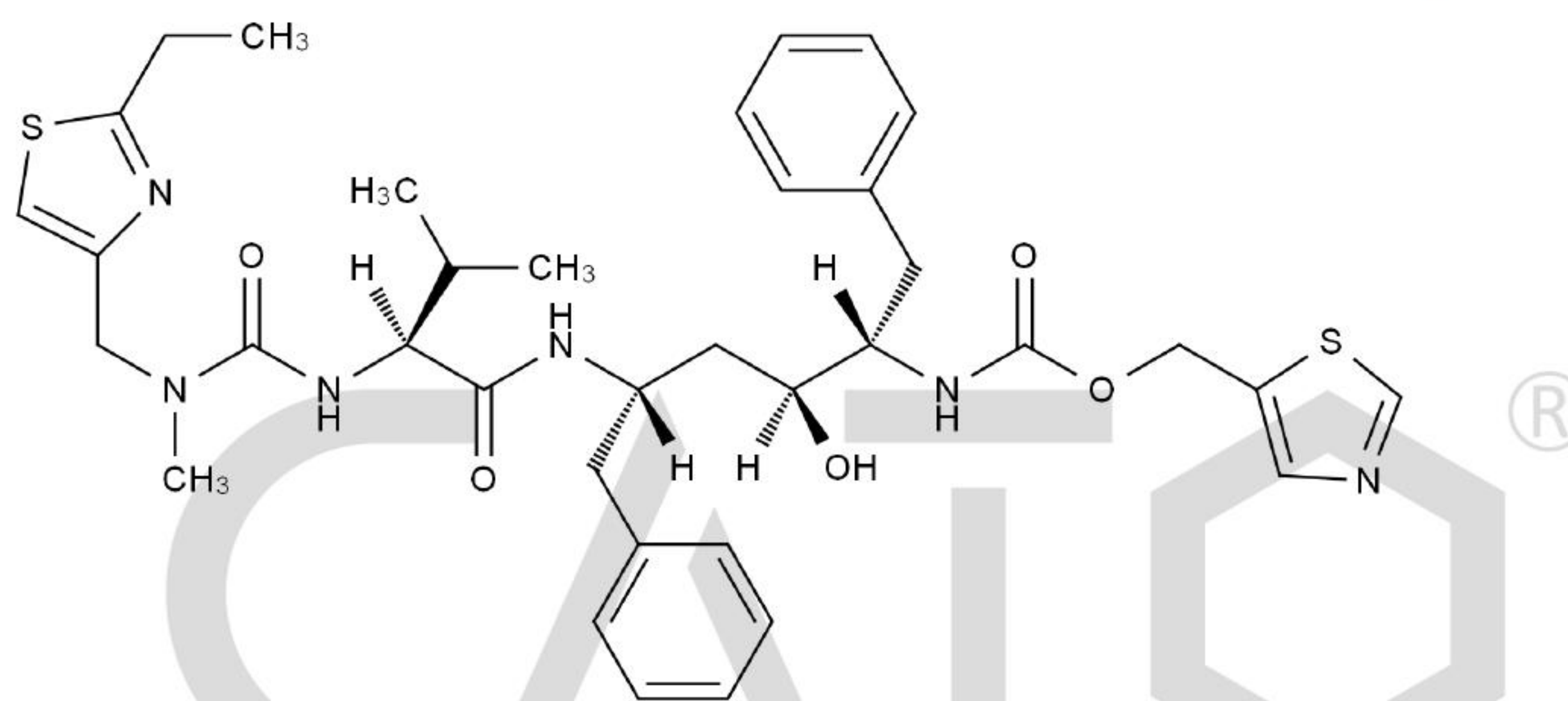


Certificate of Analysis

Reference Material & Standard

Product Name:	Ritonavir EP Impurity I	Catalogue Number:	C4X-17519
Synonyms:	N/A	Lot Number:	0725-RD-0085
CAS Number:	165315-26-4	Expiry Date:	Apr 20, 2028
Molecular Formula:	C ₃₆ H ₄₆ N ₆ O ₅ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	706.92	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	96.454%
Loss On Drying	TGA	0.81%
Assay		95.7%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 21, 2025

Date: Apr 22, 2025

Date: Apr 22, 2025

