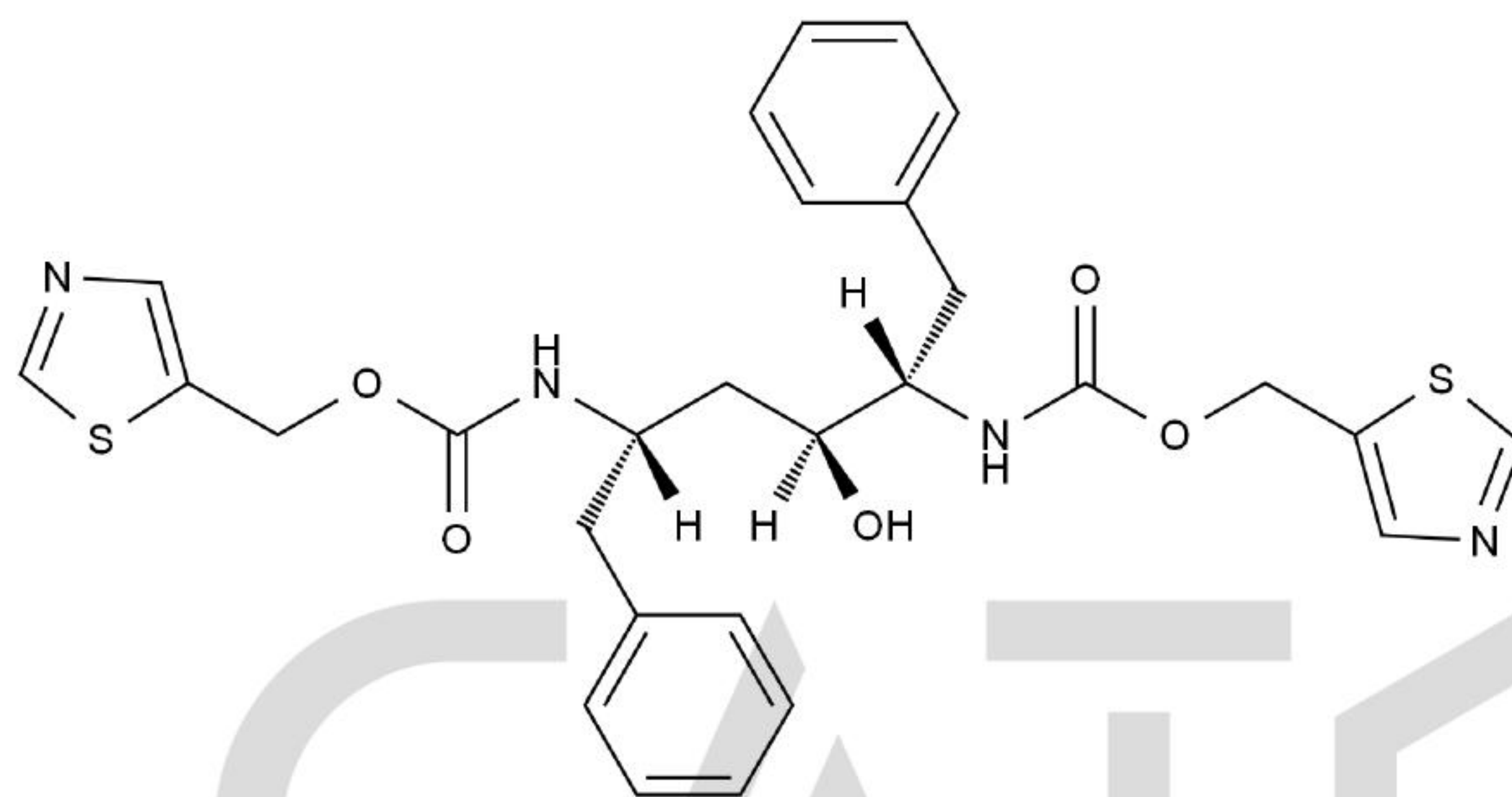


Certificate of Analysis

Reference Material

Product Name:	Ritonavir EP Impurity D	Catalogue Number:	C4X-17514
Chemical Name:	N/A	Lot Number:	0628-RD-0013
CAS Number:	144142-33-6	Expiry Date:	Mar 13, 2026
Molecular Formula:	C ₂₈ H ₃₀ N ₄ O ₅ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	566.69		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.41%
Loss On Drying	TGA	0.0982%
Assay		99.3%

Comment:

The calculation of the 100% 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:

Nice

Reviewed by:

Lisa

Aproved by General manager:

David

Date: Jul 21, 2023

Date: Jul 24, 2023

Date: Jul 24, 2023

