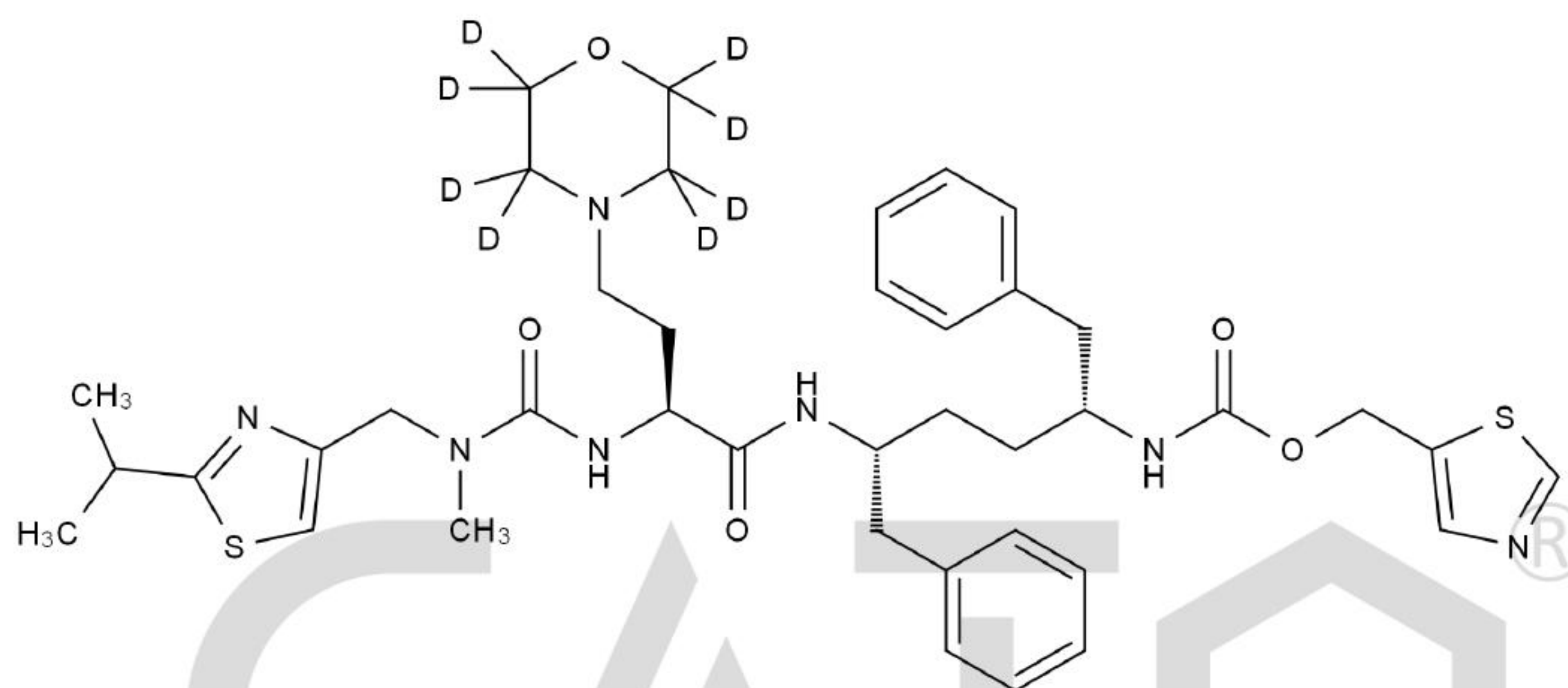


Certificate of Analysis

Reference Material

Product Name:	Cobicistat-d8	Catalogue Number:	C4X-18162
Chemical Name:	N/A	Lot Number:	0109-RE-0033
CAS Number:	N/A	Expiry Date:	Mar 06, 2025
Molecular Formula:	C ₄₀ H ₄₅ D ₈ N ₇ O ₅ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	784.07		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	98.4595%
Isotopic Purity		98.9%
Water Content	Karl Fischer	3.5%
Residual Solvents	NMR	0.1% acetic acid
Optical Rotation		[α] _D 25.0(c=0.26,CH ₃ OH): -7.2°
Assay		94.9%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nacy

Reviewed by:

Debia

Aporoved by General manager:

David

Date: Mar 07, 2022

Date: Jan 12, 2023

Date: Jan 12, 2023

