

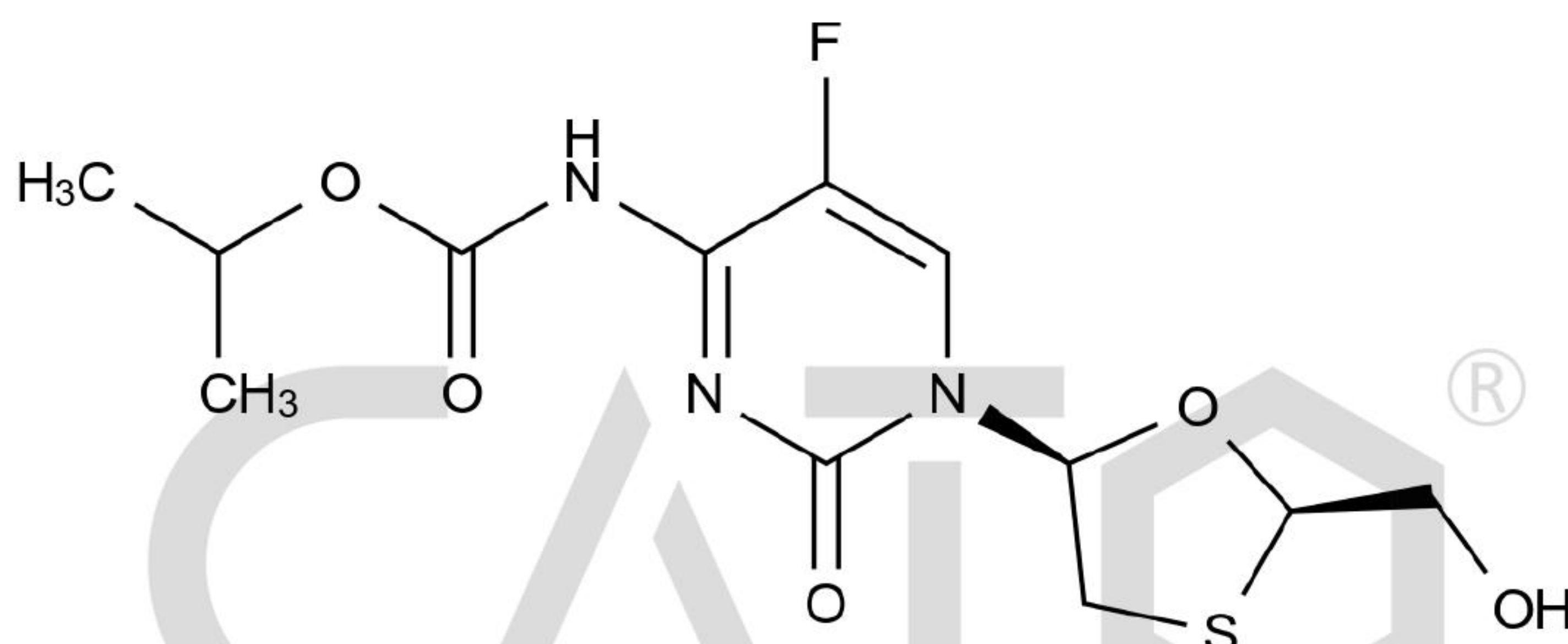
Certificate of Analysis

Reference Material & Standard

Product Name:	Emtricitabine impurity 47	Catalogue Number:	C4X-123247
Synonyms:	N/A	Lot Number:	0627-RG-0076
CAS Number:	N/A	Expiry Date:	Jul 08, 2029
Molecular Formula:	C ₁₂ H ₁₆ FN ₃ O ₅ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	333.34	Warning:	



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.322%
Loss On Drying	TGA	0.3233%
Assay		99.0%

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:

Koi

Approved by General Manager:

David

Date: Jul 14, 2025

Date: Jul 14, 2025

Date: Jul 14, 2025

