

Certificate of Analysis

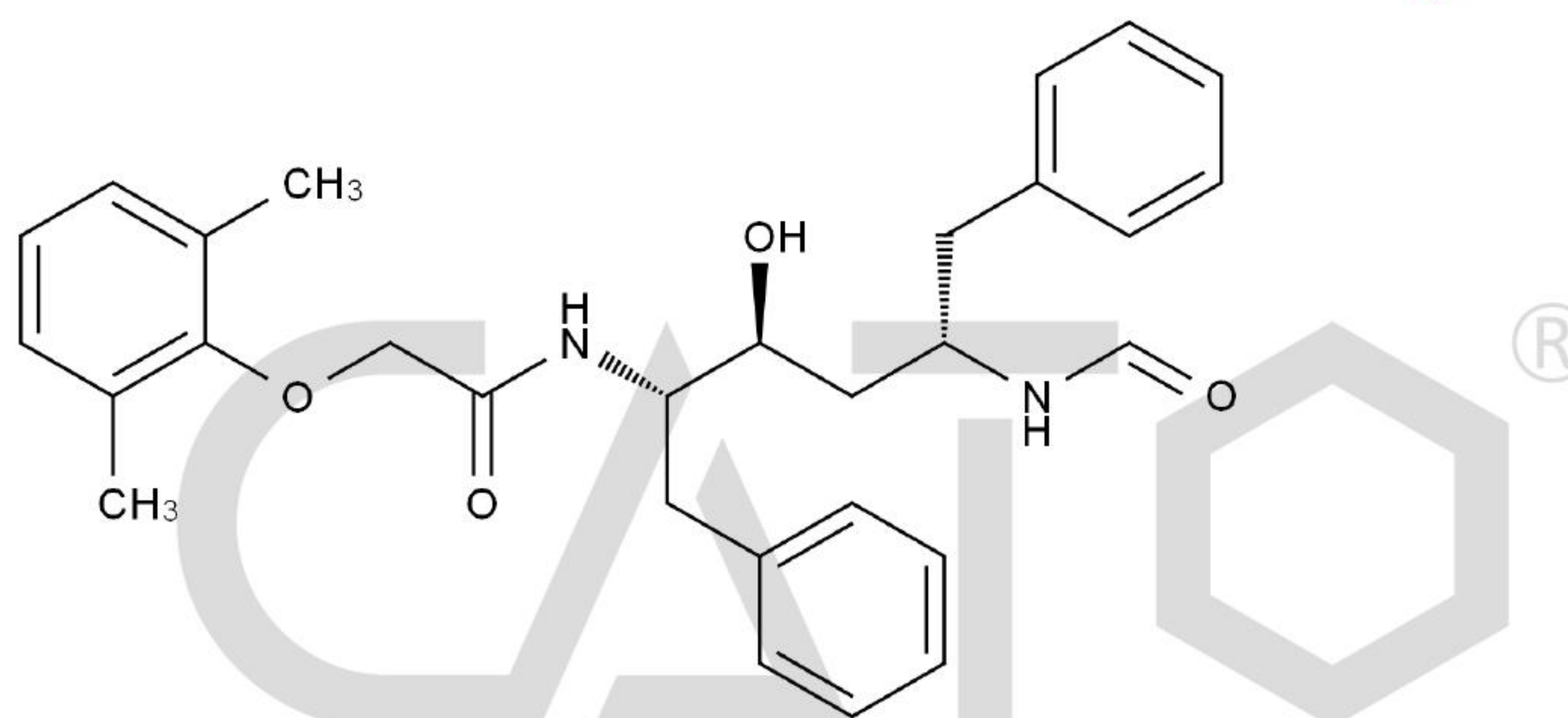
Reference Material & Standard

Product Name:	Lopinavir EP Impurity F	Catalogue Number:	C4X-16826
Synonyms:	N/A	Lot Number:	0821-RH-0008
CAS Number:	N/A	Expiry Date:	Aug 12, 2030
Molecular Formula:	C ₂₉ H ₃₄ N ₂ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	474.59	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	100.0000%
Water Content	Karl Fischer	0.20%
Residual Solvents	NMR	Not detected in NMR
Specific Rotation		[α] _D 25.0(C=0.67, DMSO): -17.0°
Assay		99.8%

Comment:

The calculation of the mass balance 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:

Reviewed by:

Approved by General Manager:

Date: Aug 25, 2026

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