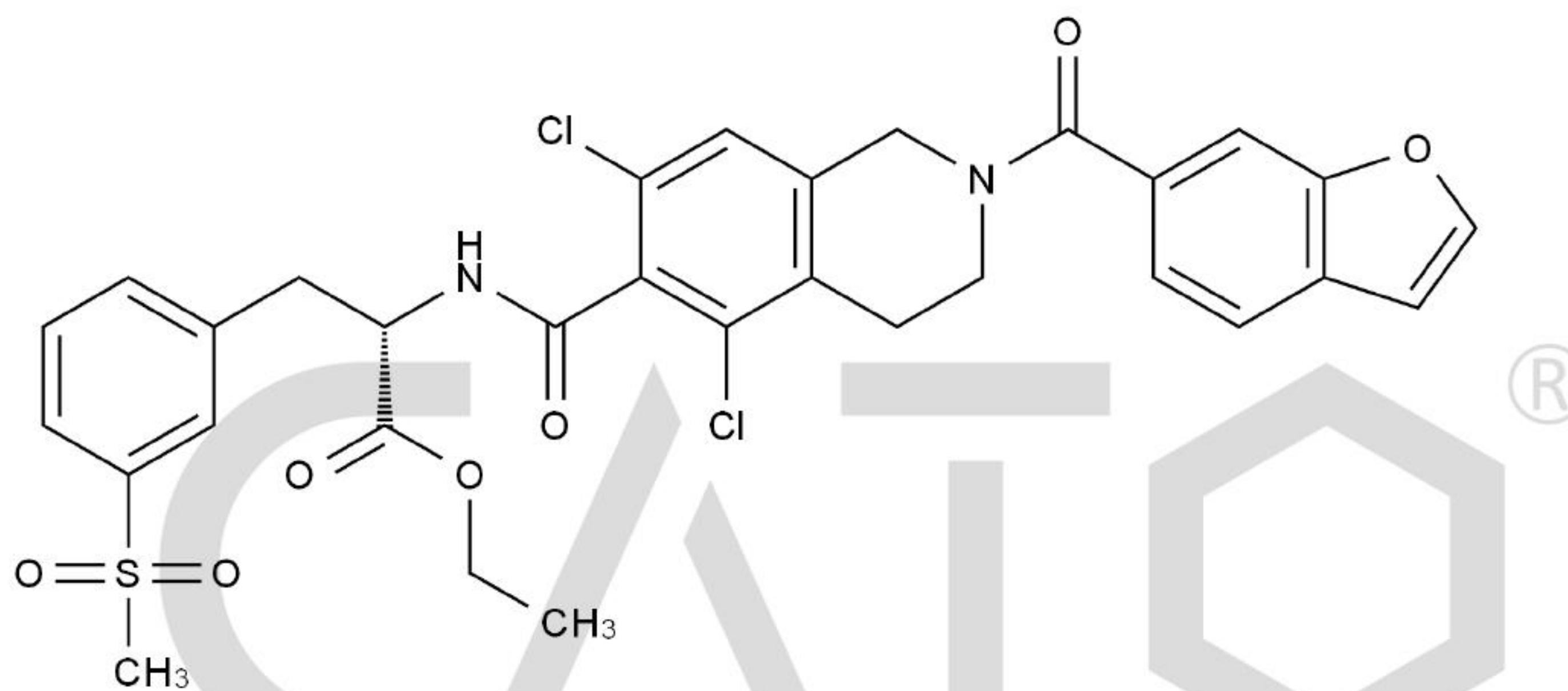


Certificate of Analysis

Reference Material & Standard

Product Name:	lifitegrast Impurity 20	Catalogue Number:	C4X-240920
Synonyms:	N/A	Lot Number:	1119-RG-0008
CAS Number:	2295862-24-5	Expiry Date:	Nov 18, 2029
Molecular Formula:	C ₃₁ H ₂₈ Cl ₂ N ₂ O ₇ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	643.53	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.826%
Loss On Drying	TGA	2.5625%
Assay		96.3%

Comment:

The calculation of the mass balance 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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Nov 19, 2025

Date: Nov 19, 2025

Date: Nov 19, 2025



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