

Certificate of Analysis

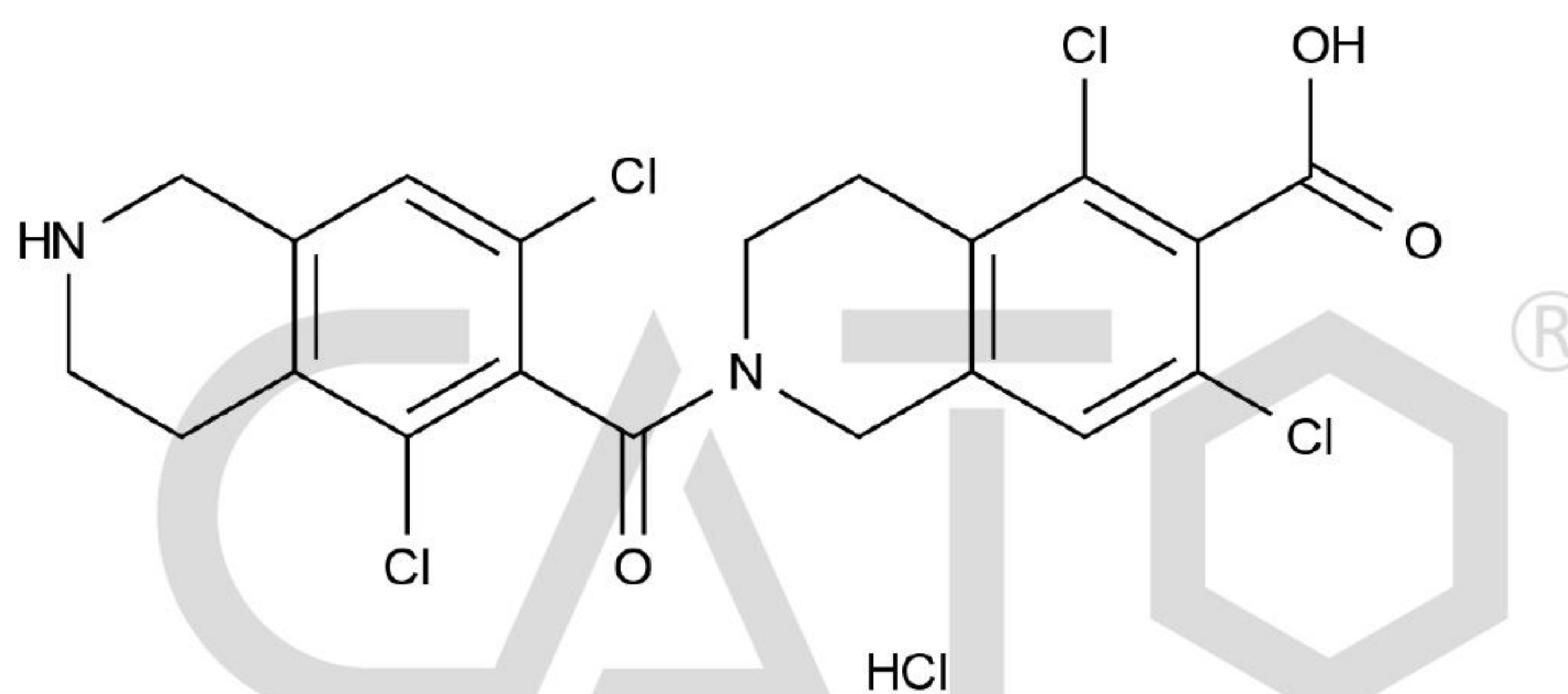
Reference Material & Standard

Product Name:	Lifitegrast impurity 91	Catalogue Number:	C4X-240991
Synonyms:	N/A	Lot Number:	0604-RH-0053
CAS Number:	N/A	Expiry Date:	Jun 03, 2030
Molecular Formula:	C ₂₀ H ₁₆ Cl ₄ N ₂ O ₃ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	474.16 36.46	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.29%
Loss on Drying	TGA	2.301%
Assay		97.0%

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:

Reviewed by:

Approved by General Manager:

Date: Jun 24, 2026

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