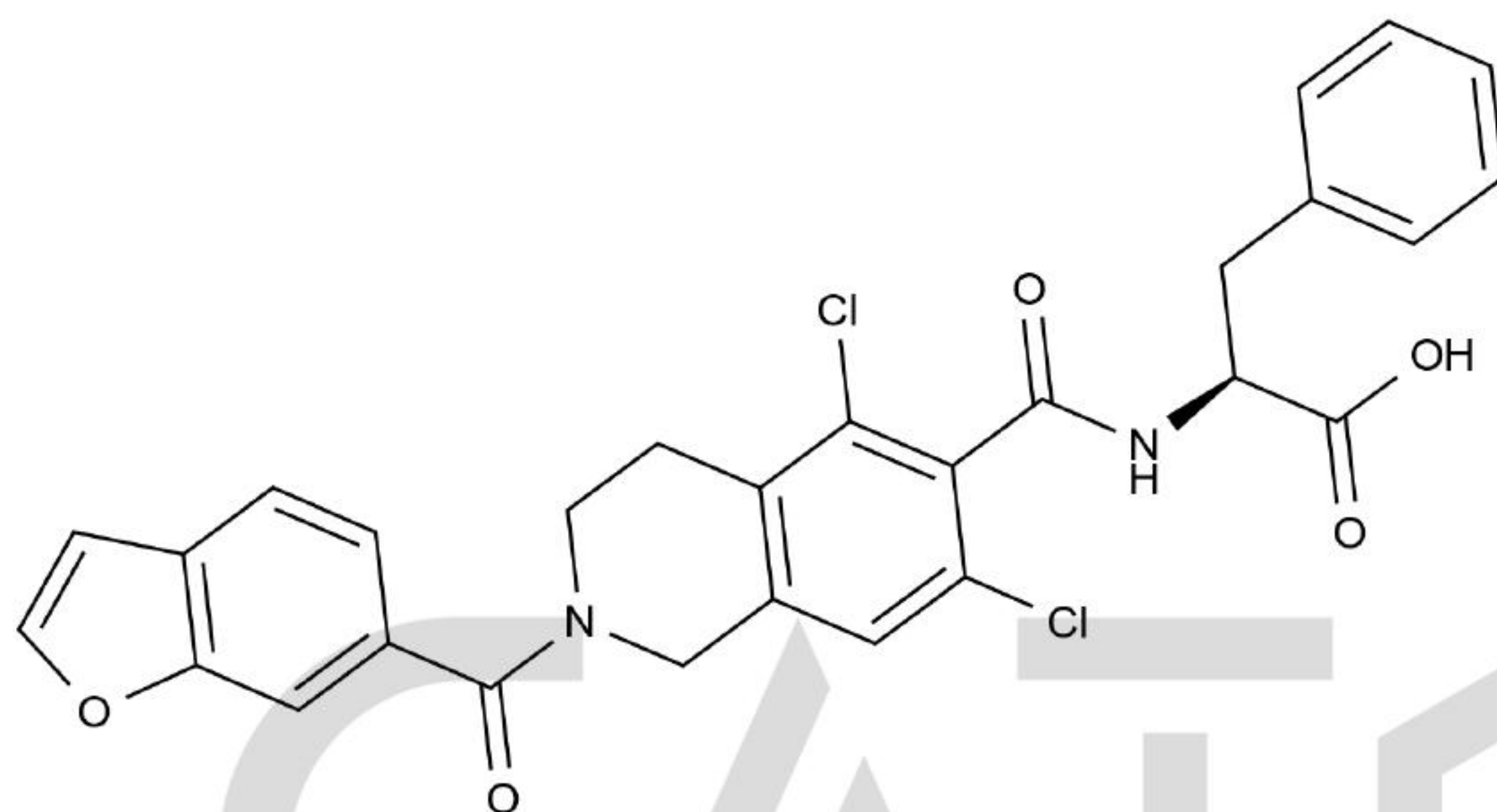


Certificate of Analysis

Reference Material

Product Name:	Lifitegrast Impurity 48	Catalogue Number:	C4X-240948
Chemical Name:	N/A	Lot Number:	0921-RD-0034
CAS Number:	N/A	Expiry Date:	Sep 22, 2025
Molecular Formula:	C ₂₈ H ₂₂ Cl ₂ N ₂ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	537.39		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Residual Solvents	NMR	0.73% acetonitrile
Loss On Drying	TGA	0.9213%
Assay		99.1%

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:

Debia

Reviewed by:

Hinlam

Aporoved by General manager

David

Date: Sep 23, 2022

Date: Sep 27, 2022

Date: Sep 27, 2022

