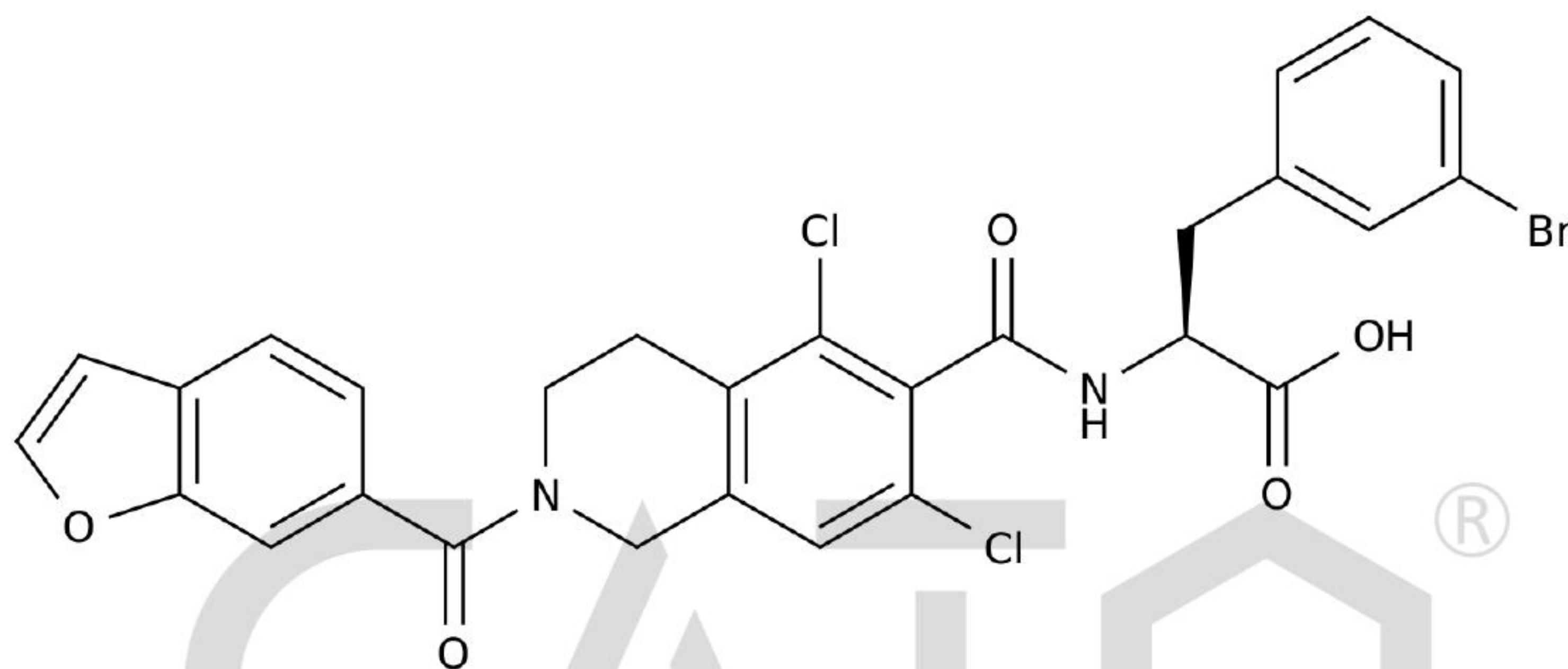


Certificate of Analysis

Reference Material

Product Name:	Lifitegrast Impurity 33	Catalogue Number:	C4X-240933
Chemical Name:	N/A	Lot Number:	0524-RD-0034
CAS Number:	N/A	Expiry Date:	May 24, 2025
Molecular Formula:	C ₂₈ H ₂₁ BrCl ₂ N ₂ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	616.29		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.736%
Loss On Drying	TGA	2.9214%
Assay		96.8%

Comment:

The calculation of the 100% method follows the formula:

$Assay (\%) = (100\% - Loss\ On\ Drying) * Purity\ HPLC (\%) / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hinlam

Reviewed by:

Cady

Aporoved by General manager:

David

Date: May 25, 2022

Date: May 25, 2022

Date: May 25, 2022

