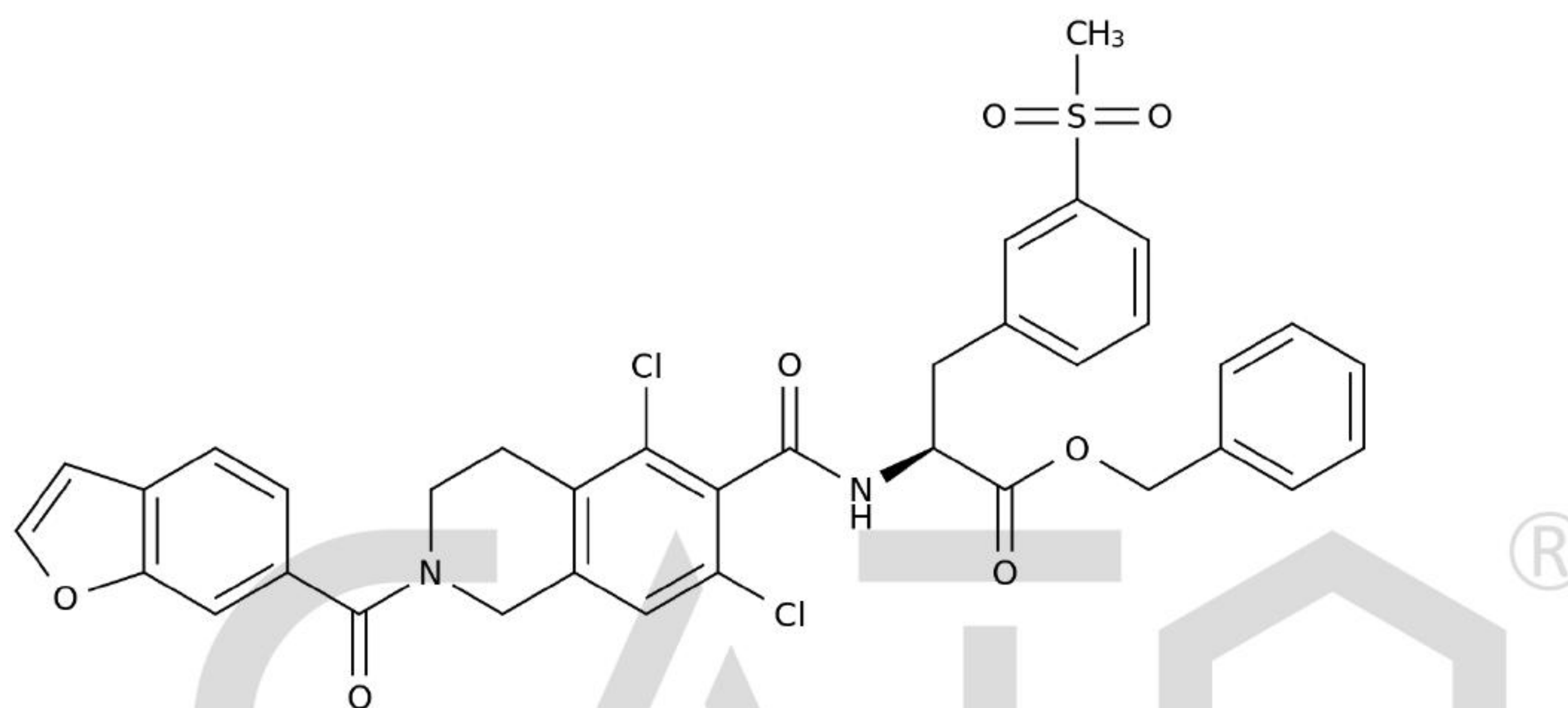


Certificate of Analysis

Reference Material

Product Name:	Lifitegrast Impurity 11	Catalogue Number:	C4X-240911
Chemical Name:	N/A	Lot Number:	0530-RD-0043
CAS Number:	1194550-67-8	Expiry Date:	May 31, 2025
Molecular Formula:	C36H30Cl2N2O7S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	705.60		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.348%
Loss On Drying	TGA	2.2502%
Assay		94.2%

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: Jun 01, 2022

Date: Jun 02, 2022

Date: Jun 02, 2022

Tel: +86-20-81960175

Fax: +86-20-81717260

Email: supports@cato-chem.com

Web: www.cato-chem.com

Add: Room 101, Building B, No.179, Guangpu East Road, Huangpu District, Guangzhou(Location: Room 301, Room 401, Room 501)

