

Certificate of Analysis

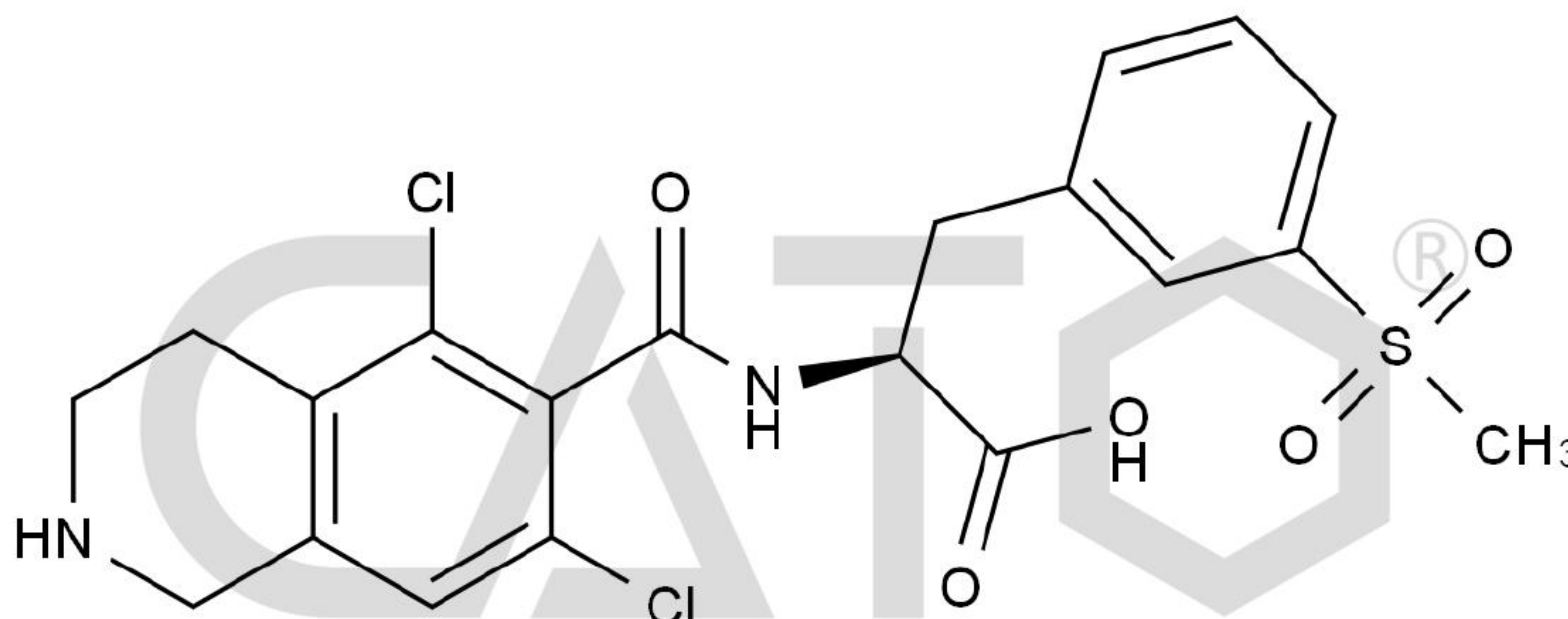
Reference Material & Standard

Product Name:	Lifitegrast Impurity N12	Catalogue Number:	CP149433
Synonyms:	N/A	Lot Number:	1012-RF-0018
CAS Number:	851785-70-1	Expiry Date:	Oct 13, 2027
Molecular Formula:	C ₂₀ H ₂₀ Cl ₂ N ₂ O ₅ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	471.35	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.502%
Loss on Drying	TGA	0.5921%
Assay		98.9%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jun 15, 2026

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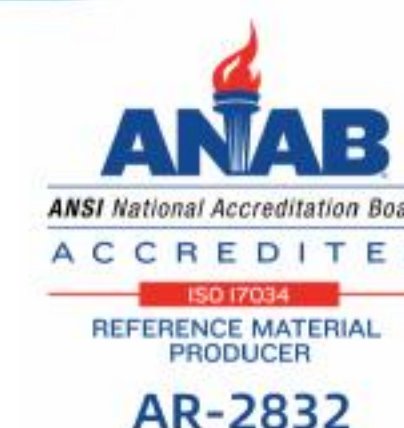
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: https://www.cato-chem.com

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