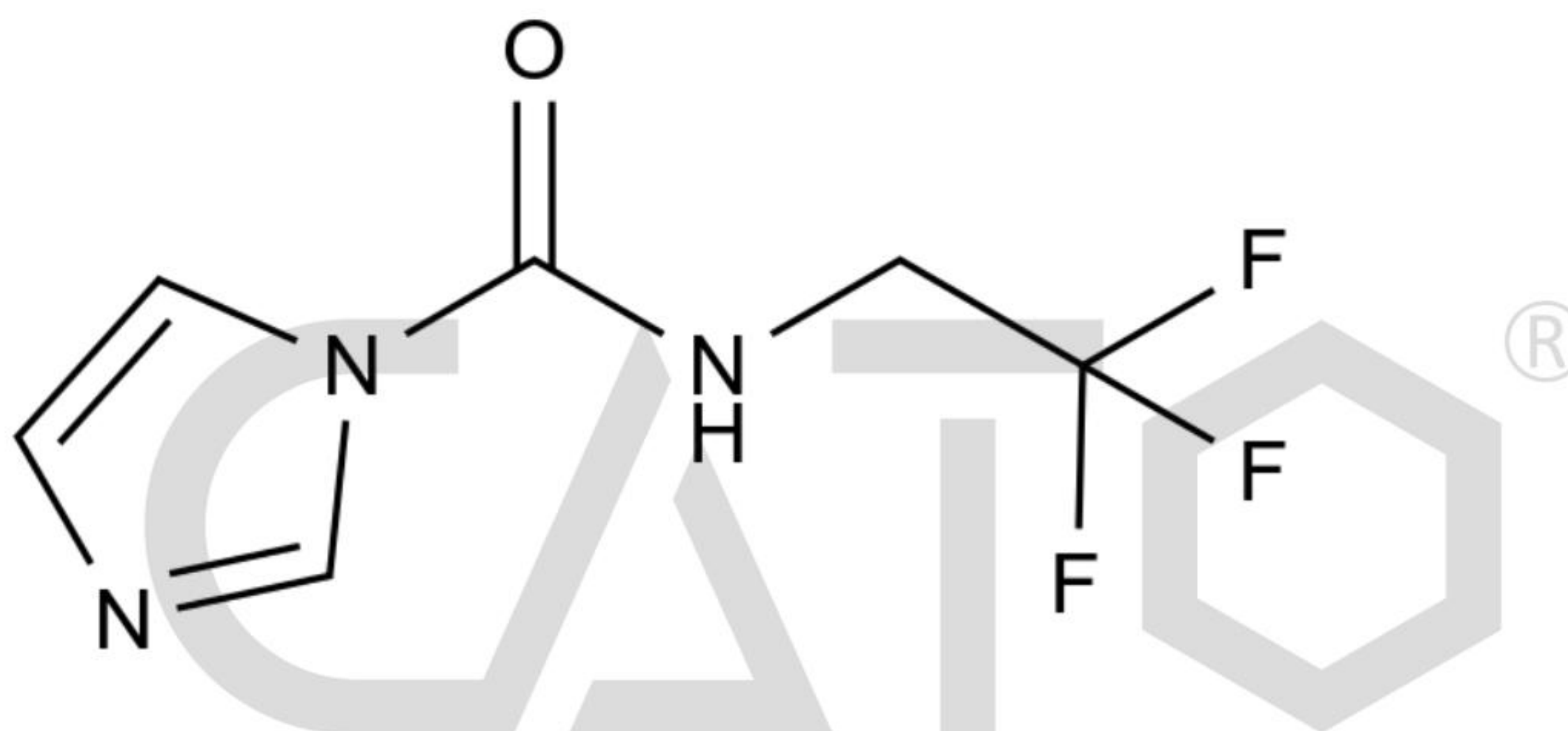


Certificate of Analysis

Reference Material & Standard

Product Name:	Upadacitinib Impurity 53	Catalogue Number:	C4X-240553
Synonyms:	N/A	Lot Number:	0812-RG-0078
CAS Number:	1046861-47-5	Expiry Date:	Nov 21, 2027
Molecular Formula:	C ₆ H ₆ F ₃ N ₃ O	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	193.13	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	97.94%
Loss On Drying	TGA	5.4649%
Assay		92.6%

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:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Aug 25, 2025

Date: Aug 25, 2025

Date: Aug 25, 2025

