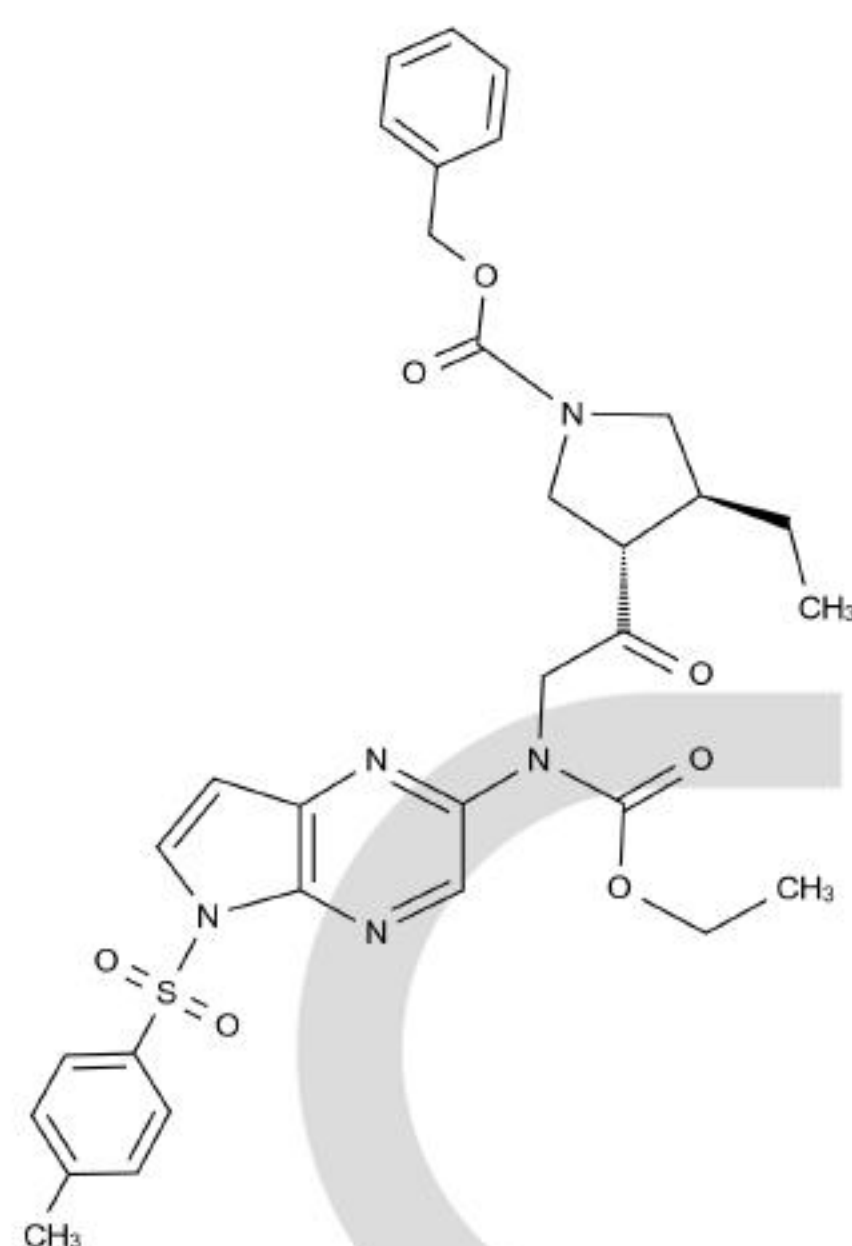


Certificate of Analysis

Reference Material & Standard

Product Name:	Upadacitinib Impurity 39	Catalogue Number:	C4X-240539
Synonyms:	N/A	Lot Number:	1212-RE-0011
CAS Number:	2715120-95-7	Expiry Date:	Dec 06, 2026
Molecular Formula:	C32H35N5O7S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	633.71	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.56%
Loss On Drying	TGA	0.8197%
Assay		98.7%

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:

Lisa

Approved by General Manager:

David

Date: Sep 24, 2024

Date: Sep 25, 2024

Date: Sep 25, 2024

