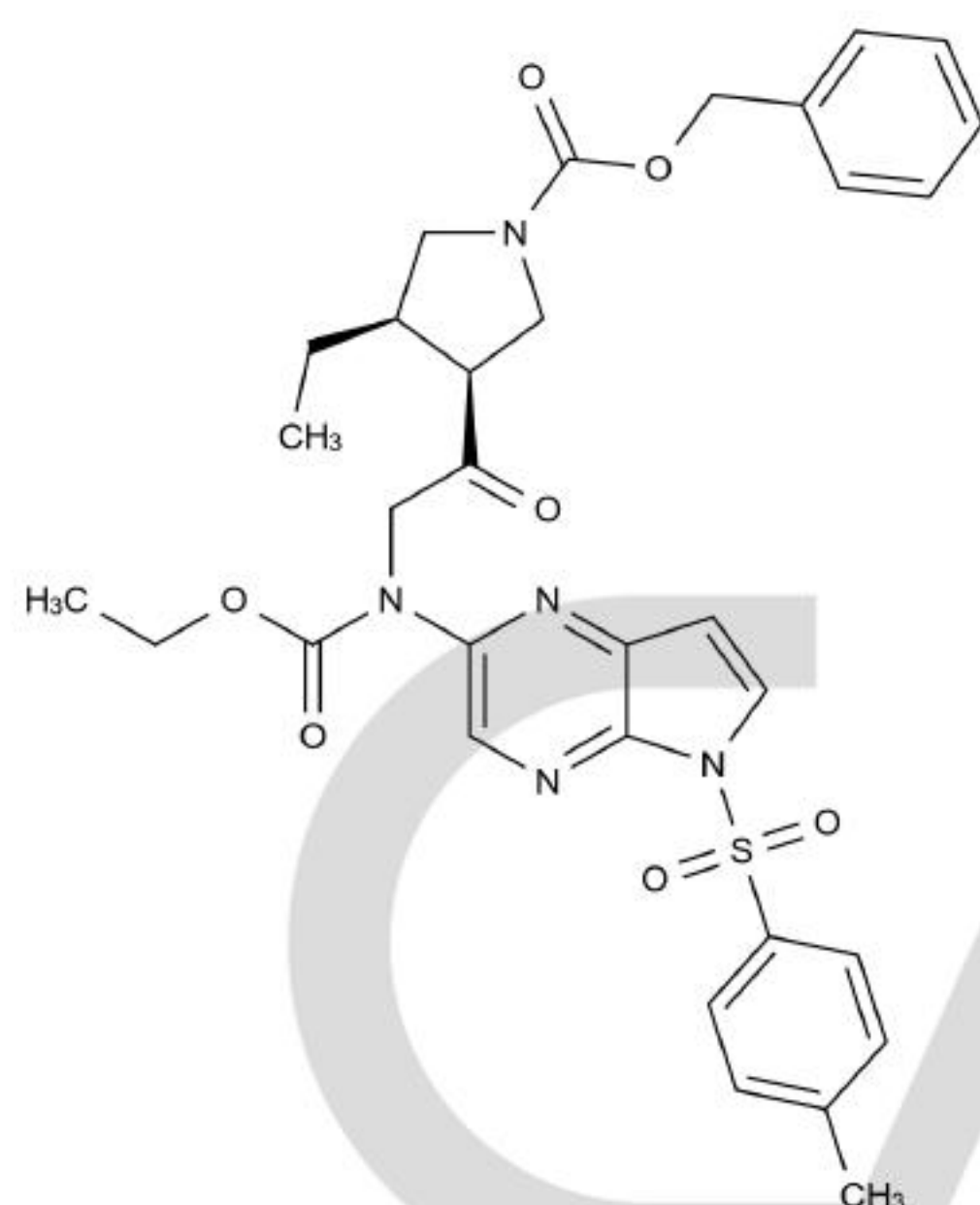


Certificate of Analysis

Reference Material & Standard

Product Name:	Upadacitinib Impurity 82	Catalogue Number:	C4X-240582
Synonyms:	N/A	Lot Number:	0920-RF-0067
CAS Number:	N/A	Expiry Date:	Sep 13, 2027
Molecular Formula:	C32H35N5O7S	Storage:	-20°C±5°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	99.80%
Loss On Drying	TGA	0.4611%
Assay		99.3%

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

