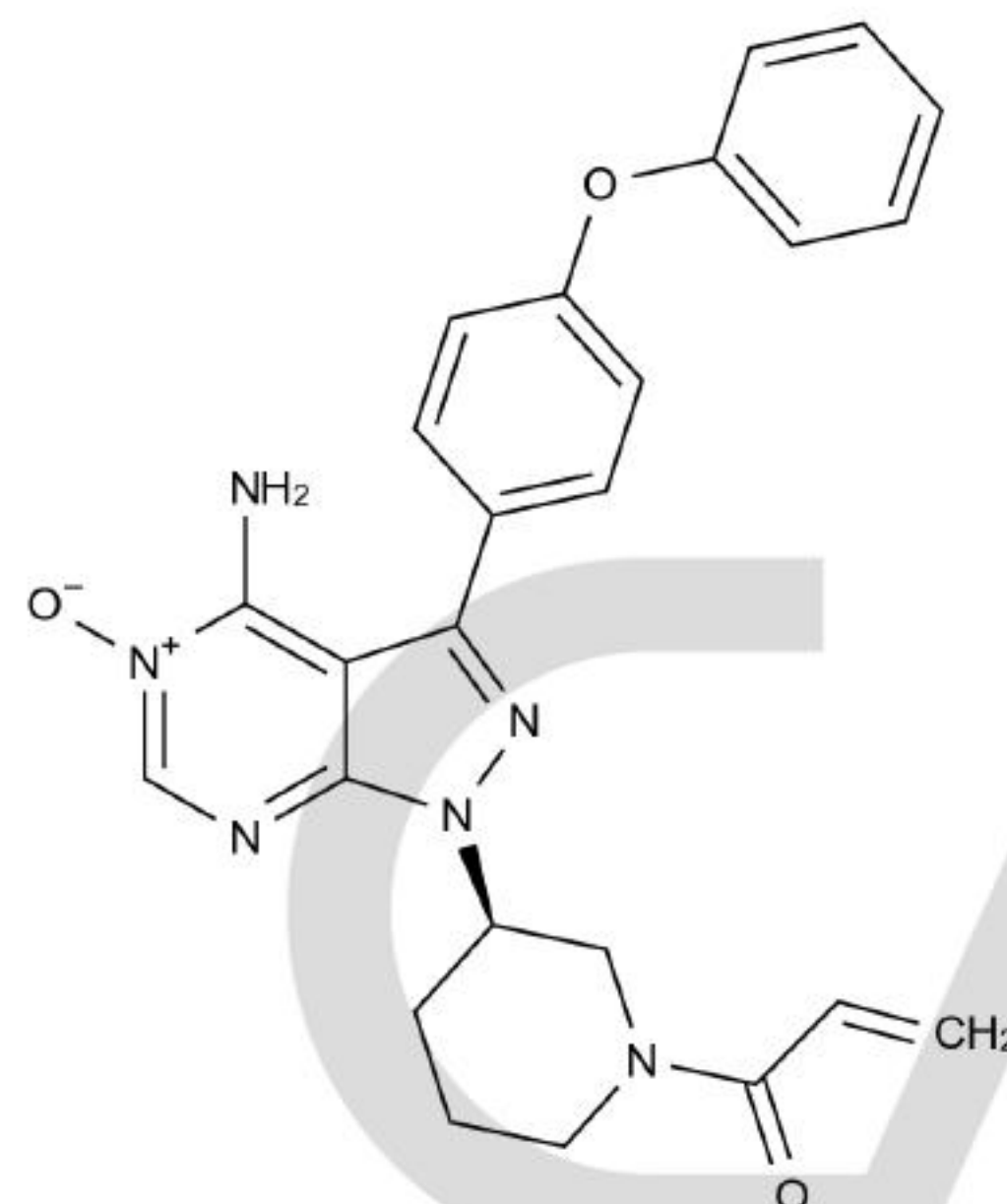


Certificate of Analysis

Reference Material & Standard

Product Name:	Ibrutinib Impurity 75	Catalogue Number:	C4X-106475
Synonyms:	N/A	Lot Number:	0925-RG-0079
CAS Number:	2437254-47-0	Expiry Date:	Sep 25, 2029
Molecular Formula:	C ₂₅ H ₂₄ N ₆ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	456.50		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Red Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.693%
Loss On Drying	TGA	1.6586%
Assay		96.1%

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: Sep 26, 2025

Date: Sep 26, 2025

Date: Sep 26, 2025



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