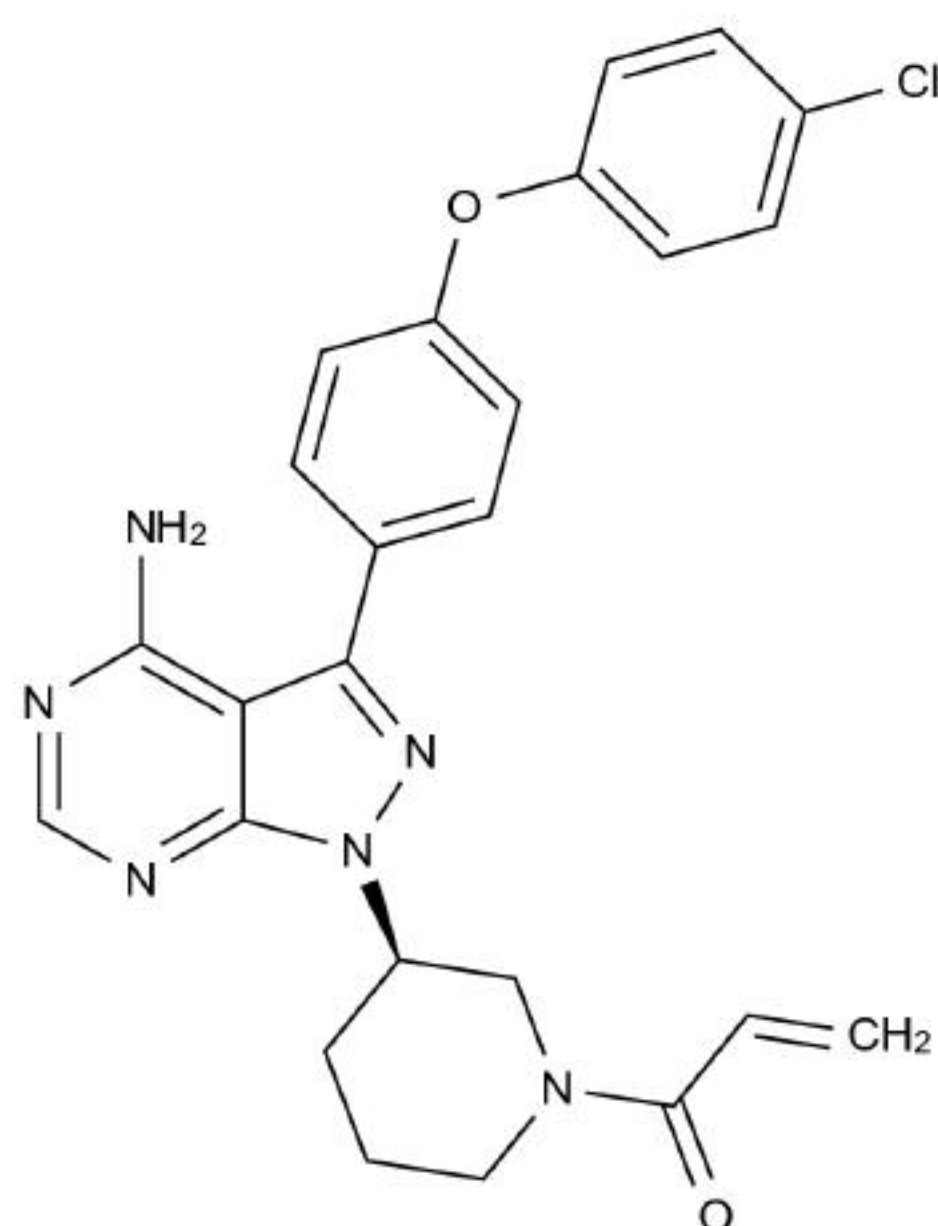


Certificate of Analysis

Reference Material & Standard

Product Name:	Ibrutinib Impurity 92	Catalogue Number:	C4X-106492
Synonyms:	N/A	Lot Number:	1010-RE-0071
CAS Number:	N/A	Expiry Date:	Oct 15, 2026
Molecular Formula:	C ₂₅ H ₂₃ ClN ₆ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	474.94		
Chemical Structure:			



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.8%
Assay	qNMR	96.8%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Aproved by General Manager:

David

Date: Oct 16, 2023

Date: Oct 16, 2023

Date: Oct 16, 2023

