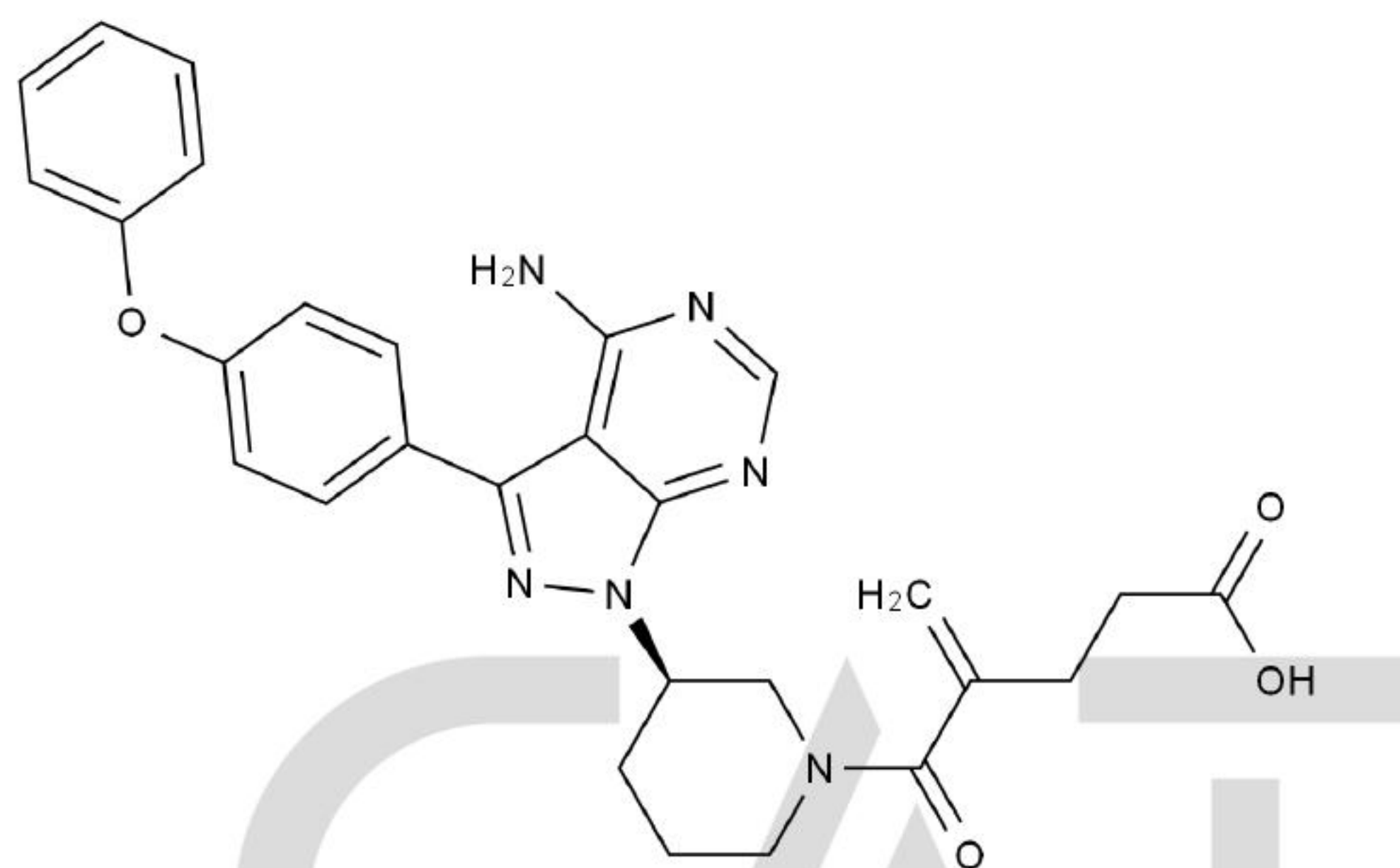


Certificate of Analysis

Reference Material

Product Name:	Ibrutinib Impurity 9	Catalogue Number:	C4X-10649
Chemical Name:	N/A	Lot Number:	0109-RE-0001
CAS Number:	N/A	Expiry Date:	Jan 29, 2026
Molecular Formula:	C ₂₈ H ₂₈ N ₆ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	512.56		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	98.0%
Residual Solvents	NMR	5.26% ethyl acetate

Signature:

Prepared by:

Nacy

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Jan 30, 2023

Date: Jan 30, 2023

Date: Jan 30, 2023

