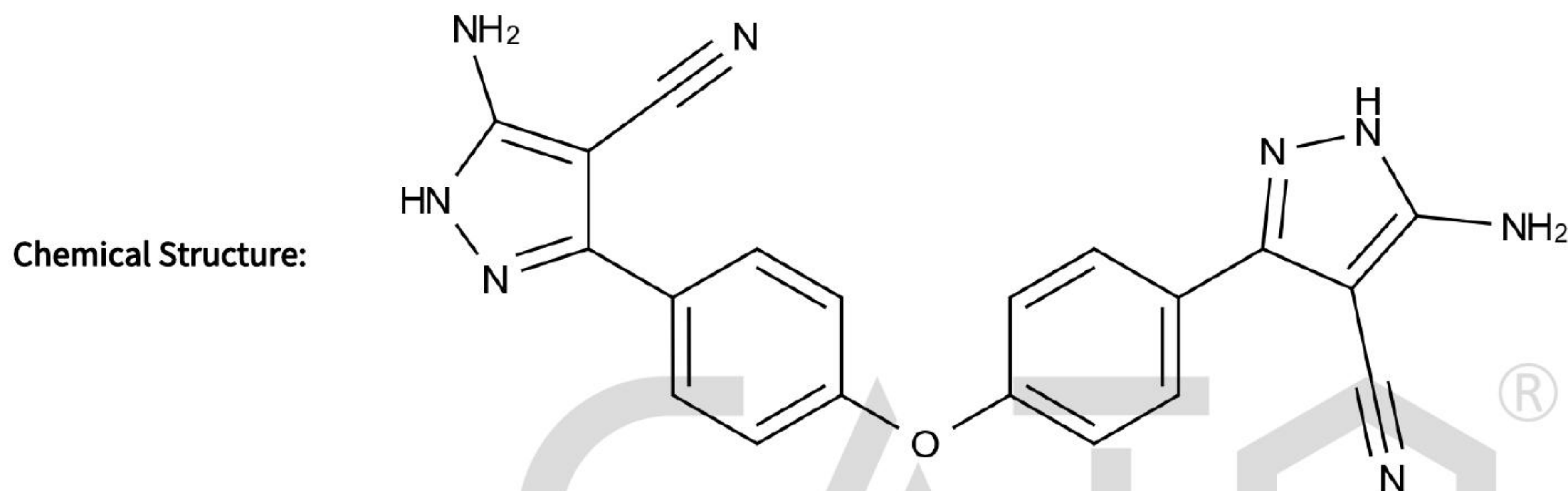


Certificate of Analysis

Reference Material

Product Name:	Ibrutinib Impurity 83	Catalogue Number:	C4X-106483
Chemical Name:	N/A	Lot Number:	0920-RE-0053
CAS Number:	N/A	Expiry Date:	Sep 26, 2026
Molecular Formula:	C ₂₀ H ₁₄ N ₈ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	382.38		



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.1%
Assay	qNMR	71.1%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Aporoved by General manager:

David

Date: Sep 27, 2023

Date: Sep 27, 2023

Date: Sep 27, 2023

