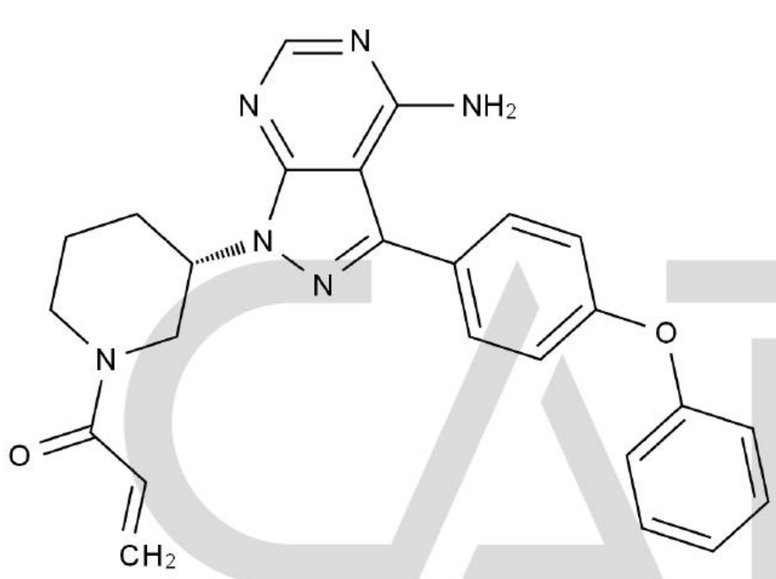
Certificate of Analysis

Reference Material & Standard

Product Name:	Ibrutinib Impurity 1	**Catalogue Number:**	C4X-10641
Synonyms:	N/A	**Lot Number:**	0915-RH-0016
CAS Number:	936563-97-2	**Expiry Date:**	Sep 13, 2030
Molecular Formula:	$C_{25}H_{24}N_6O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	440.50	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.3%
Assay	qNMR	95.1%

CATO Research Chemicals Inc.

Signature:

Prepared by: Date: Sep 16, 2026

Reviewed by: Date: Sep 16, 2026

Approved by General Manager: Date: Sep 16, 2026

CATO Research Chemicals Inc.