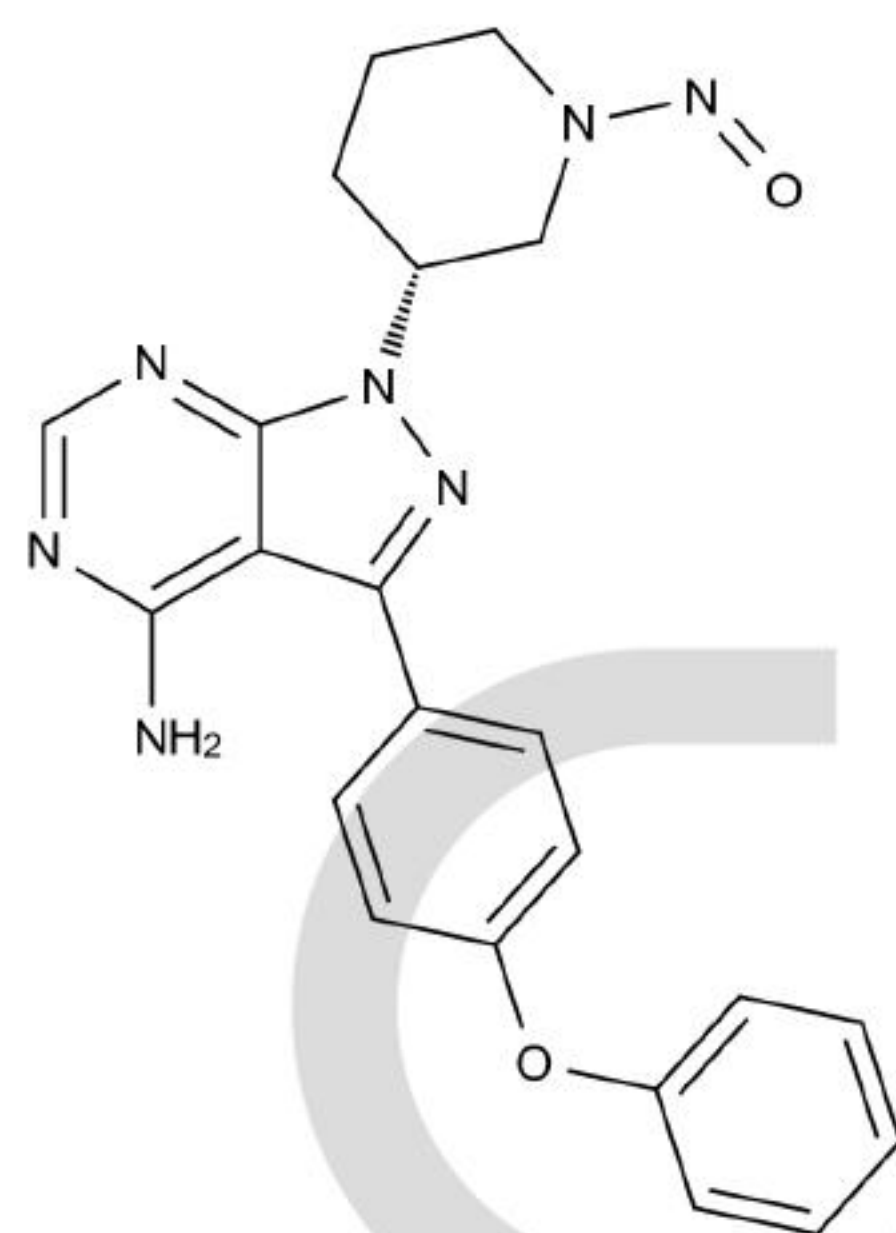


Certificate of Analysis

Reference Material & Standard

Product Name:	Ibrutinib Impurity 114	Catalogue Number:	C4X-1064114
Synonyms:	N/A	Lot Number:	0706-RH-0012
CAS Number:	N/A	Expiry Date:	Jul 08, 2030
Molecular Formula:	C ₂₂ H ₂₁ N ₇ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	415.45	Shipping Condition:	Shipping at Room Temperature
Solubility:	Acetonitrile		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.3%
Assay	qNMR	99.2%

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 09, 2026

Date: Jul 09, 2026

Date: Jul 09, 2026



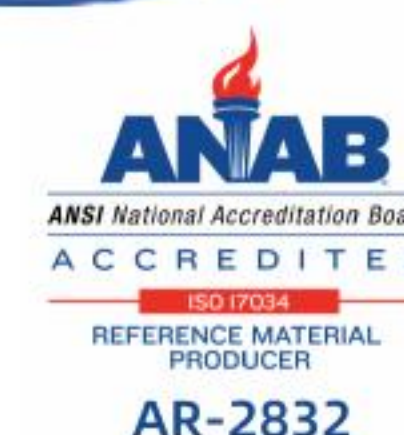
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 8



Official
WeChat