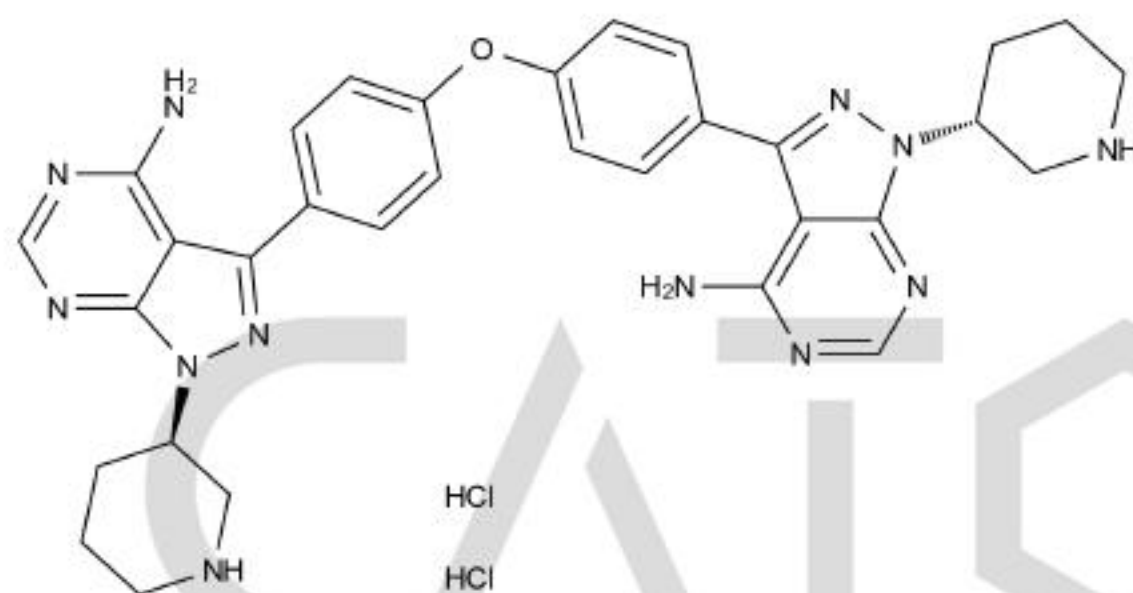


Certificate of Analysis

Reference Material & Standard

Product Name:	Ibrutinib Impurity 179	Catalogue Number:	C4X-1064179
Synonyms:	N/A	Lot Number:	1027-SA-7418
CAS Number:	N/A	Expiry Date:	Oct 26, 27
Molecular Formula:	$C_{32}H_{34}N_{12}O \cdot 2HCl$	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	602.69 $\cdot 2 \cdot 36.46$		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	98.530%

Signature:

Prepared by:

Lisa

Reviewed by:

Yuki

Approved by General Manager:

David

Date: Oct 27, 23

Date: Oct 27, 23

Date: Oct 27, 23



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Official WeChat

Directions:

- 1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
- 2. Minimum sample size: 1mg is recommended as the minimum sample size.*
- 3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
- 4. Instructions for handling and correct use: Handling in a well-ventilated place.*

Document Version:

Revision No.	Date	Reason for Revision
01	Oct 27, 23	First release.

