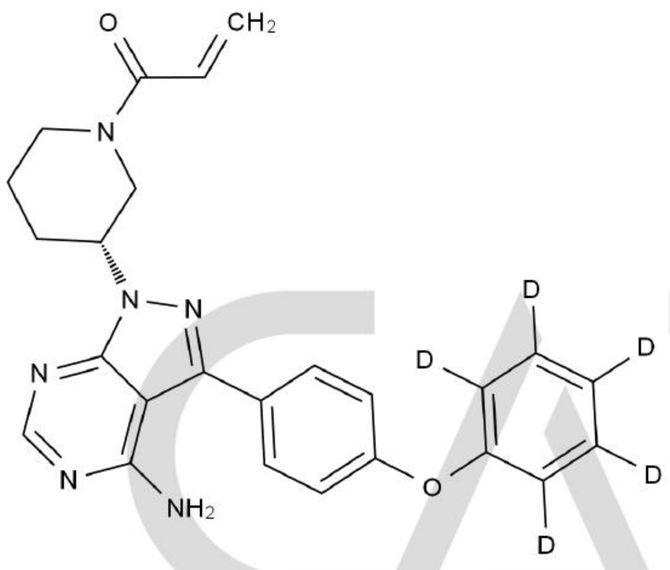
Certificate of Analysis

Reference Material & Standard

Product Name:	Ibrutinib-d5	**Catalogue Number:**	C4X-106445
Synonyms:	N/A	**Lot Number:**	0923-RH-0007
CAS Number:	1553977-17-5	**Expiry Date:**	Oct 19, 2029
Molecular Formula:	$C_{25}H_{19}D_5N_6O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	445.53	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	98.0%
Isotopic Purity		99.00% (D5: 95.01%, D4: 4.99%)

CATO Research Chemicals Inc.

Signature:

Prepared by: Reviewed by: Approved by General Manager:

Date: Sep 23, 2026 Date: Sep 23, 2026 Date: Sep 23, 2026

CATO Research Chemicals Inc.