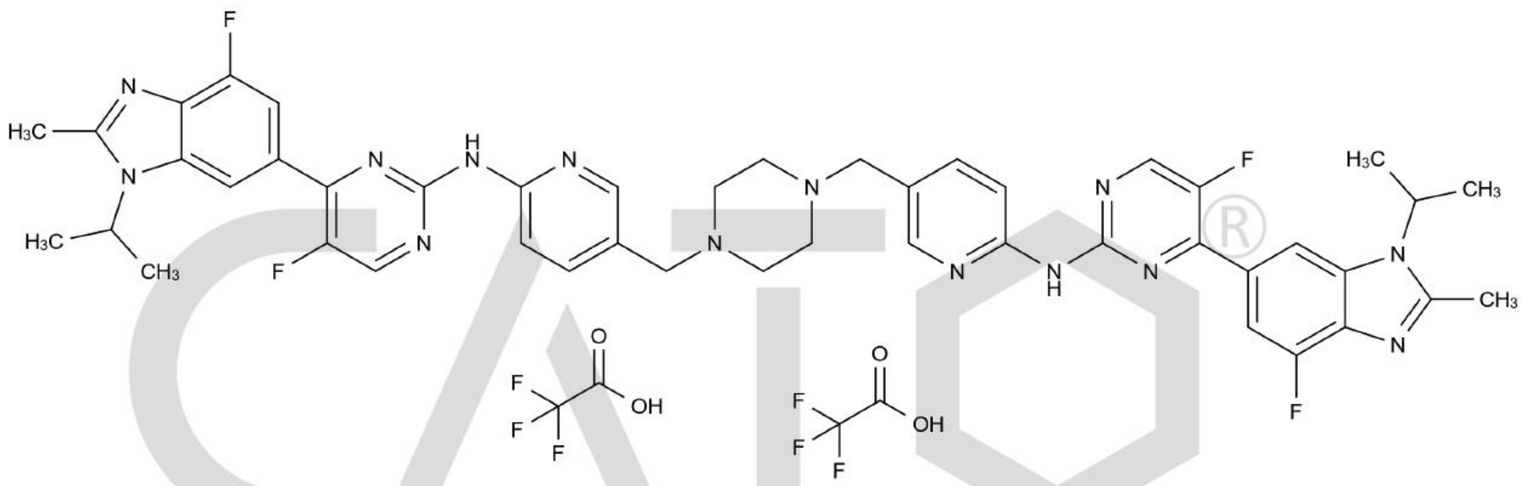
Certificate of Analysis

Reference Material & Standard

Product Name:	Abemaciclib Impurity 16 DiTrifluoroacetate	**Catalogue Number:**	C4X-293716
Synonyms:	N/A	**Lot Number:**	0810-RH-0110
CAS Number:	N/A	**Expiry Date:**	Apr 13, 2030
Molecular Formula:	$C_{46}H_{46}F_4N_{14}$ 2*$C_2HF_3O_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	870.94 2*114.02	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.246%
Residue on Ignition	TGA	1.1400%
Loss on Drying	TGA	1.7637%
Assay		96.4%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koji — Date: Sep 18, 2026

Reviewed by: Lisa — Date: Sep 20, 2026

Approved by General Manager: David — Date: Sep 20, 2026

CATO Research Chemicals Inc.