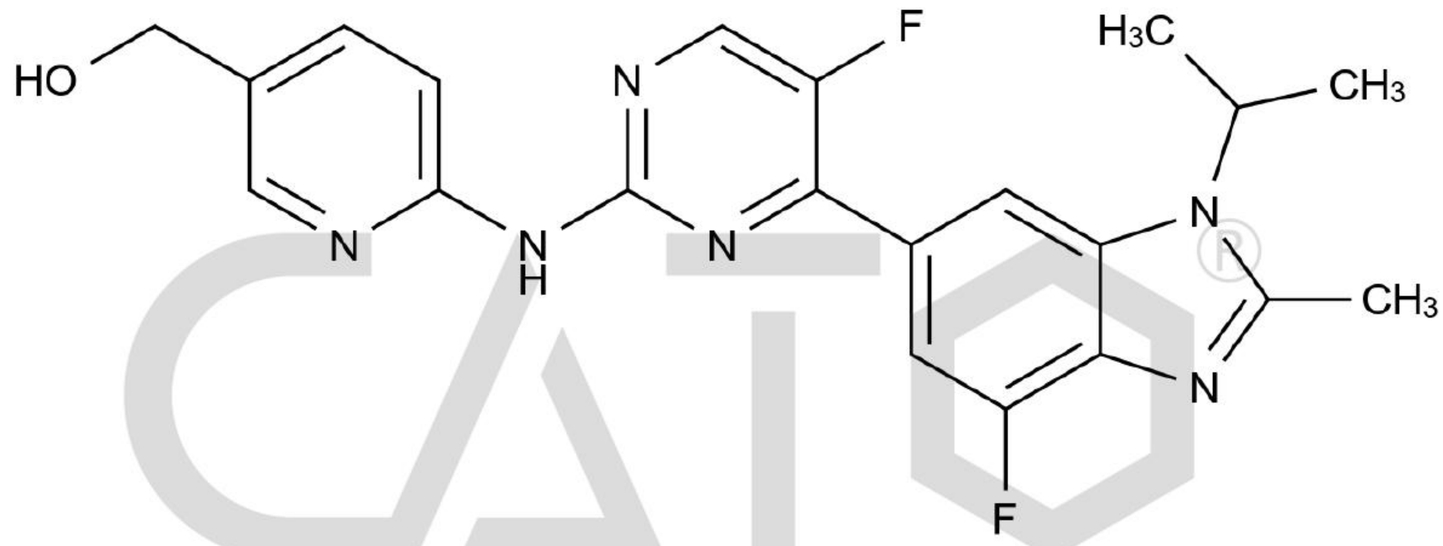
Certificate of Analysis

Reference Material & Standard

Product Name:	Abemaciclib Impurity 13	**Catalogue Number:**	C4X-293713
Synonyms:	N/A	**Lot Number:**	0116-RG-0051
CAS Number:	1648707-16-7	**Expiry Date:**	Jan 15, 2028
Molecular Formula:	$C_{21}H_{20}F_2N_6O$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	410.42	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	96.970%
Residue on Ignition	TGA	0.4146%
Loss on Drying	TGA	0.2398%
Assay		96.3%

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: Alice — Date: Sep 10, 2026

Reviewed by: Koi — Date: Sep 10, 2026

Approved by General Manager: David — Date: Sep 10, 2026

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ANAB ANSI National Accreditation Board ACCREDITED ISO 17034 REFERENCE MATERIAL PRODUCER AR-2832

SYSTEM CERTIFICATION ISO 9001:2000 SGS

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