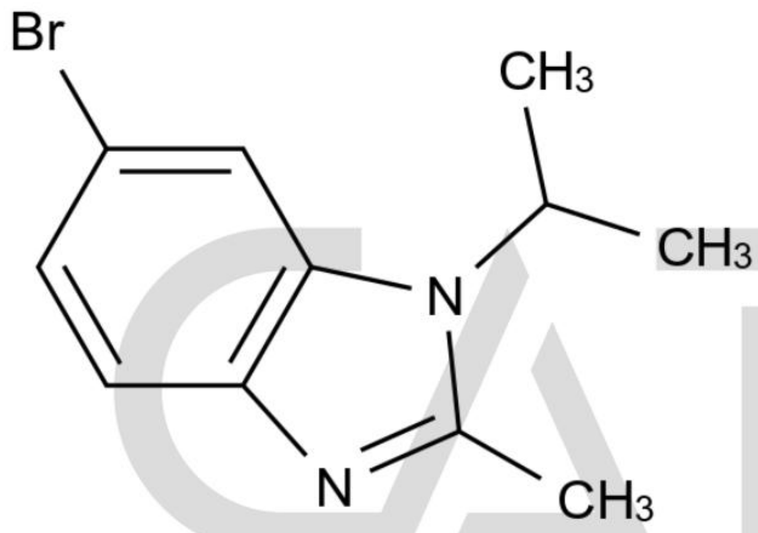
Certificate of Analysis

Reference Material & Standard

Product Name:	Abemaciclib Impurity N5	**Catalogue Number:**	C1030550
Synonyms:	N/A	**Lot Number:**	0716-RF-0047
CAS Number:	1038408-36-4	**Expiry Date:**	Oct 27, 2030
Molecular Formula:	$C_{11}H_{13}BrN_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	253.14	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Purple Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.661%
Loss on Drying	TGA	1.0423%
Assay	Mass Balance	98.6%

CATO Research Chemicals Inc.

Comment:

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

Signature:

Prepared by: Koi Date: Nov 02, 2026

Reviewed by: Hinlam Date: Nov 02, 2026

Approved by General Manager: David Date: Nov 02, 2026

CATO Research Chemicals Inc.