

Certificate of Analysis

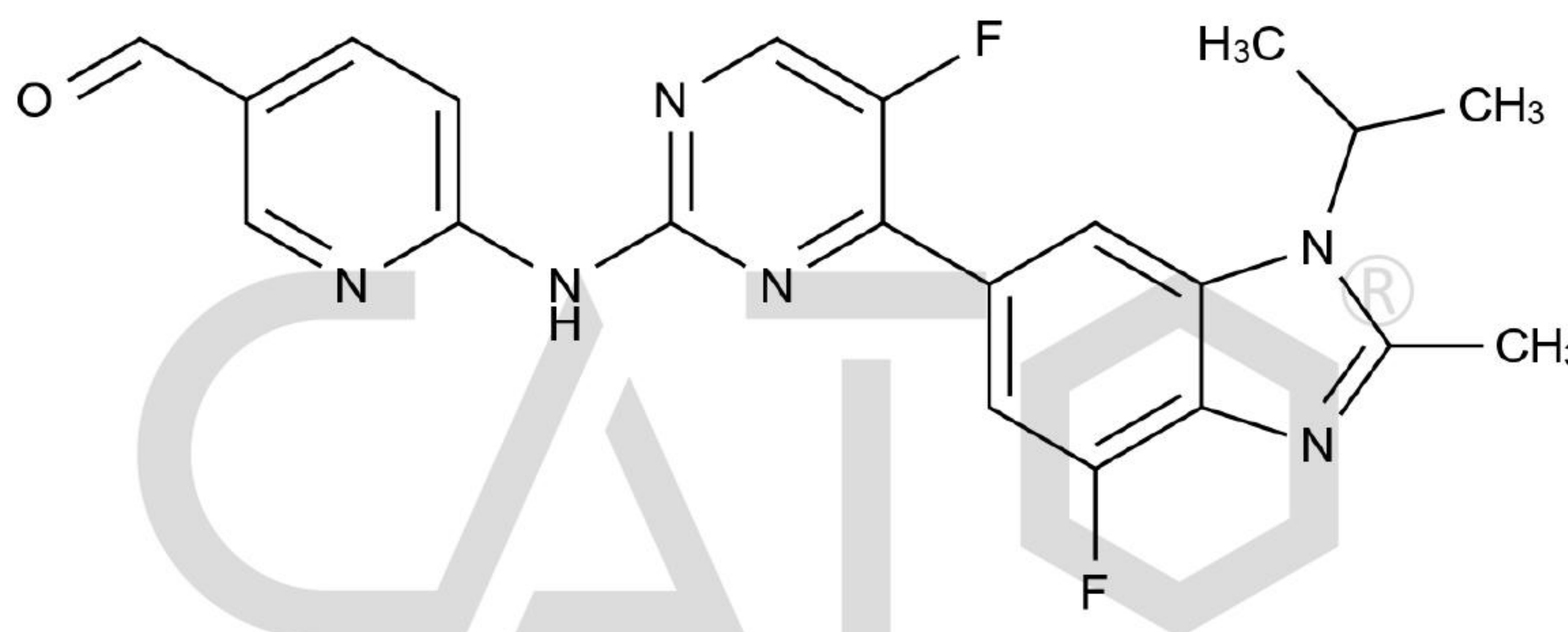
Reference Material & Standard

Product Name:	Abemaciclib Impurity 12	Catalogue Number:	C4X-293712
Synonyms:	N/A	Lot Number:	0714-RH-0081
CAS Number:	1627082-92-1	Expiry Date:	Jul 13, 2030
Molecular Formula:	C ₂₁ H ₁₈ F ₂ N ₆ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	408.40	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.283%
Residue on Ignition	TGA	1.1923%
Loss on Drying	TGA	0.1433%
Assay		98.0%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 17, 2026

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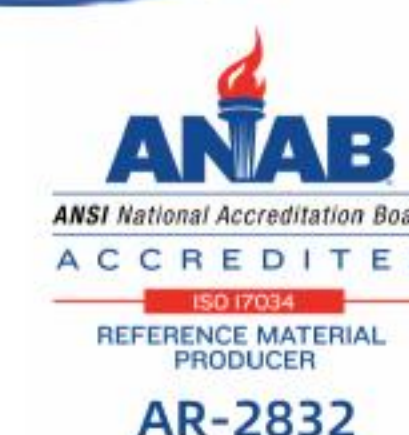
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