

Certificate of Analysis

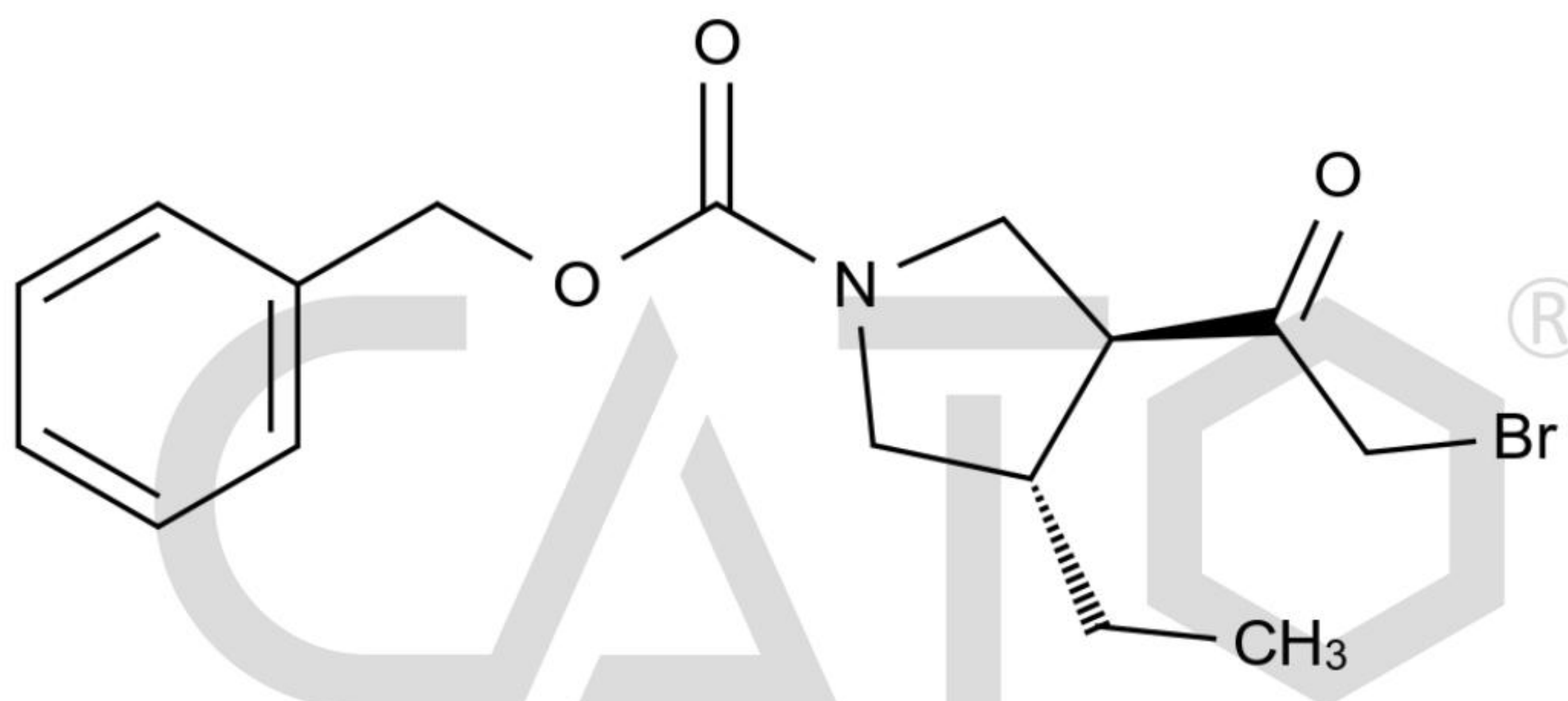
Reference Material & Standard

Product Name:	Upadacitinib Impurity 29	Catalogue Number:	C4X-240529
Synonyms:	N/A	Lot Number:	0906-RH-0065
CAS Number:	2868258-96-0	Expiry Date:	Aug 30, 2030
Molecular Formula:	C ₁₆ H ₂₀ BrNO ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	354.24	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	98.674%
Water Content	Karl Fischer	0.01%
Residual Solvents	NMR	Not detected in NMR
Assay		98.7%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Sep 08, 2026

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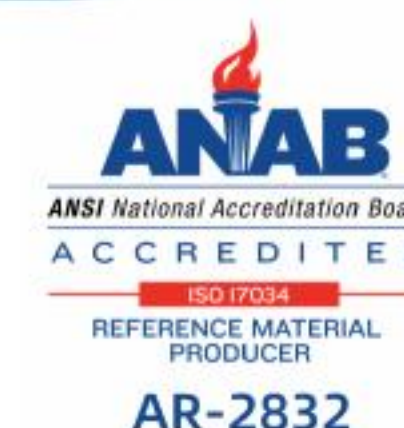
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Page 1 of 6



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