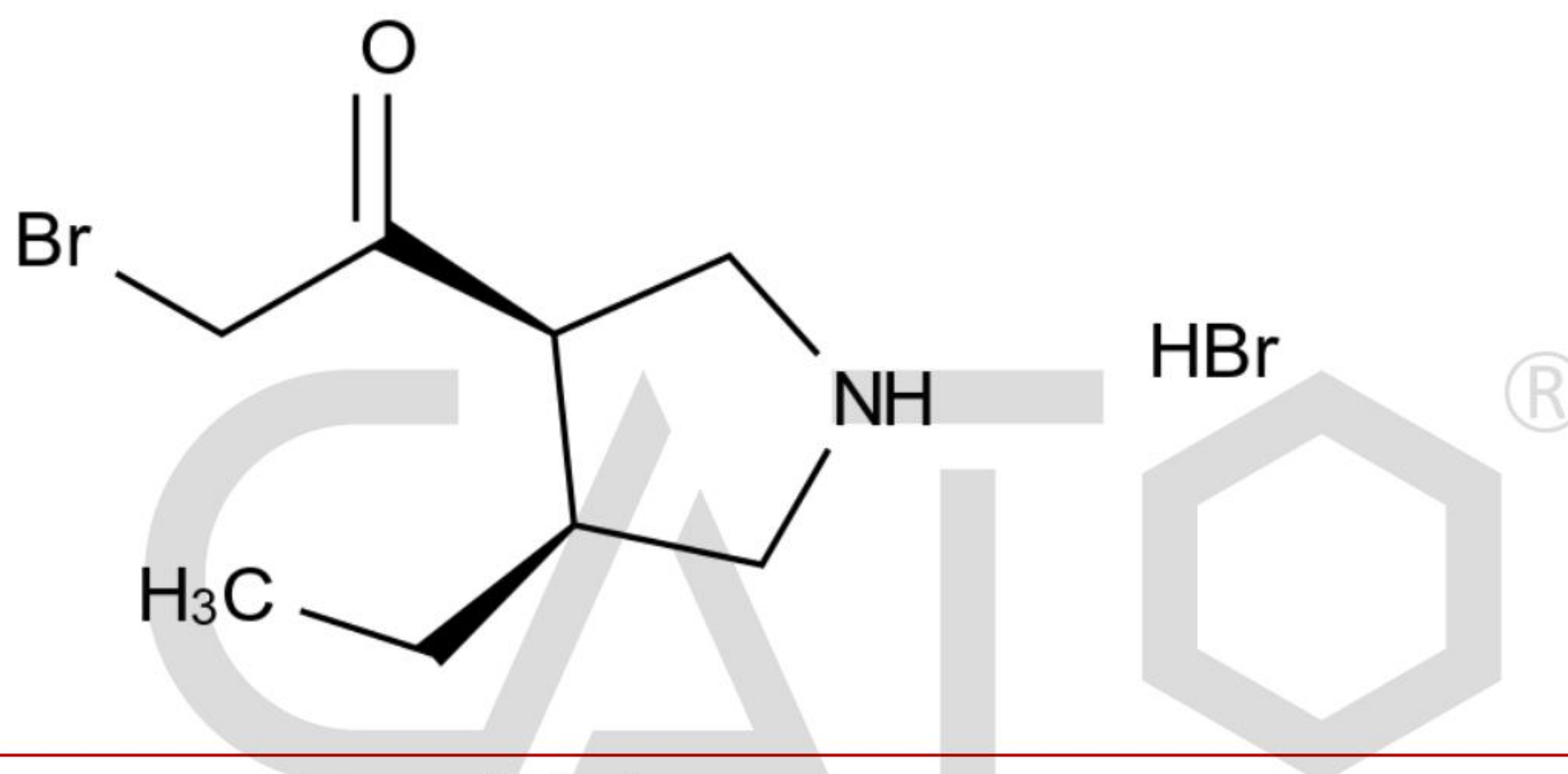


Certificate of Analysis

Reference Material & Standard

Product Name:	Upadacitinib Impurity 61 HBr	Catalogue Number:	C4X-240561
Synonyms:	N/A	Lot Number:	0724-RG-0026
CAS Number:	N/A	Expiry Date:	Oct 22, 2028
Molecular Formula:	C ₈ H ₁₄ BrNO HBr	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	220.11 80.91	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	0.14%
Residual Solvents	NMR	Not detected in NMR
Assay		99.9%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

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

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jul 24, 2025

Date: Jul 24, 2025

Date: Jul 24, 2025

