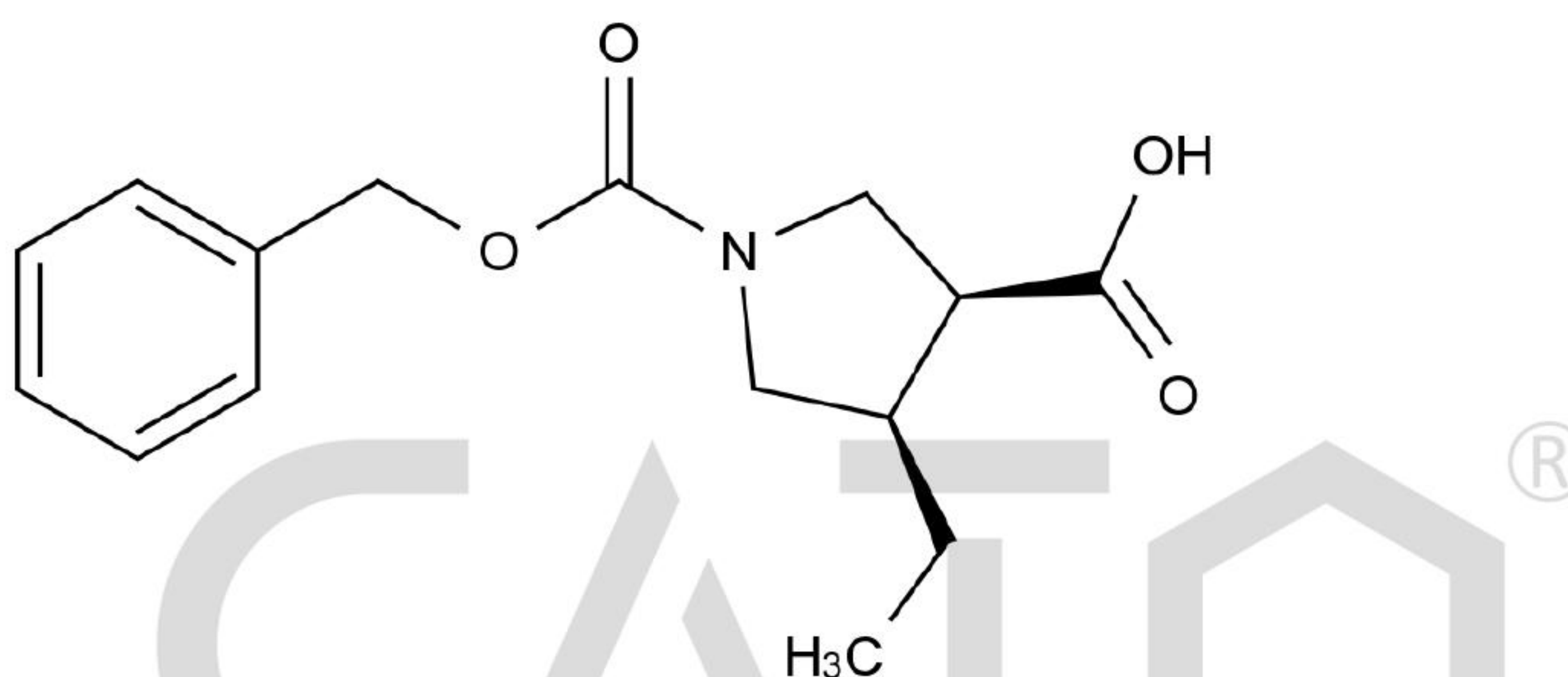


Certificate of Analysis

Reference Material & Standard

Product Name:	Upadacitinib Impurity 43	Catalogue Number:	C4X-240543
Synonyms:	N/A	Lot Number:	1208-RE-0021
CAS Number:	1428243-69-9	Expiry Date:	Feb 20, 2026
Molecular Formula:	C ₁₅ H ₁₉ NO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	277.32		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Gel
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.134%
Water Content	Karl Fischer	0.21%
Assay		98.9%

Comment:

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

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

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hin Lam

Aproved by General Manager:

David

Date: Dec 12, 2023

Date: Dec 12, 2023

Date: Dec 12, 2023

