

Certificate of Analysis

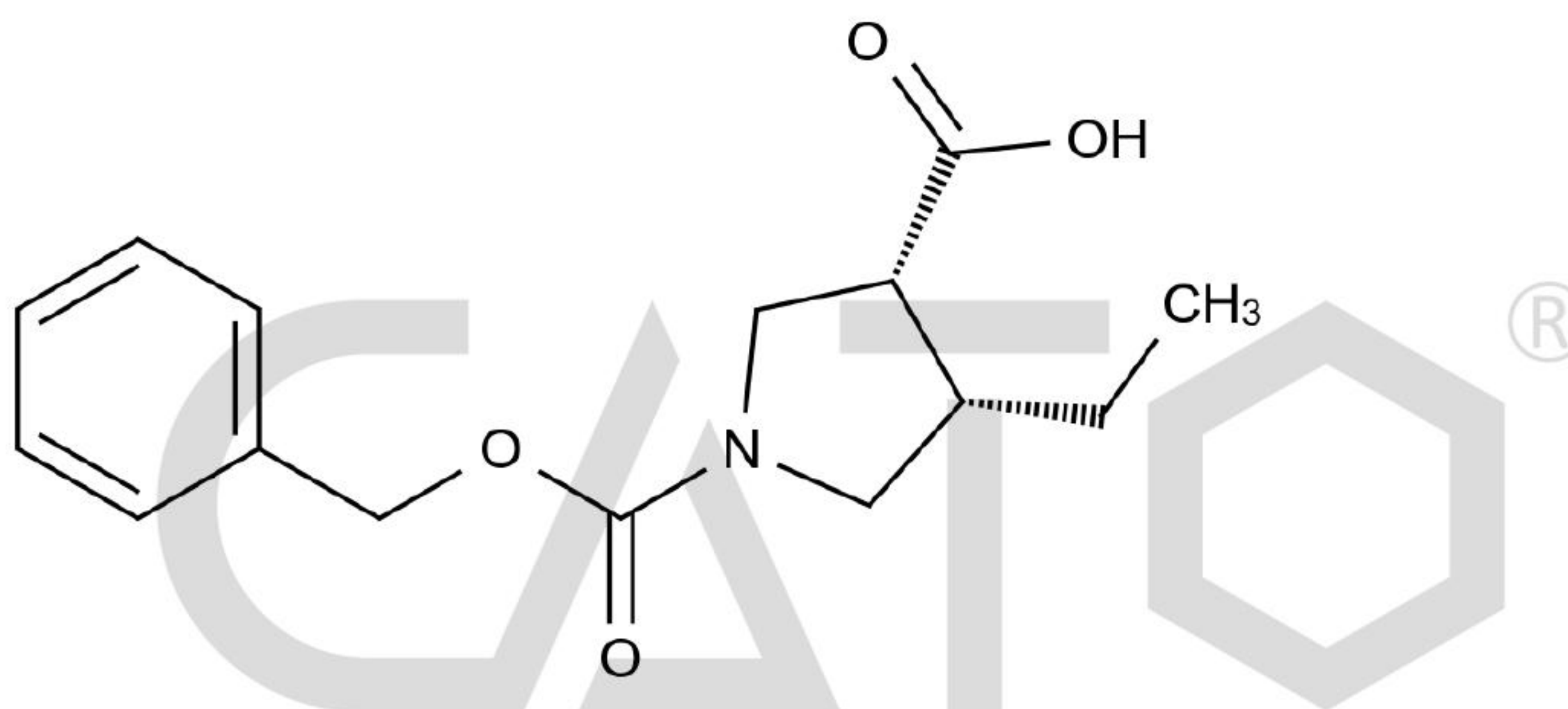
Reference Material & Standard

Product Name:	Upadacitinib Impurity 18	Catalogue Number:	C4X-240518
Synonyms:	N/A	Lot Number:	0313-RH-0005
CAS Number:	1428243-24-6	Expiry Date:	Mar 16, 2030
Molecular Formula:	C ₁₅ H ₁₉ NO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	277.32		
Solubility:	Acetonitrile		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.817%
Loss On Drying	TGA	1.2998%
Assay		98.5%

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:

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Reviewed by:

Koi

Approved by General Manager:

David

Date: Mar 17, 2026

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