

Certificate of Analysis

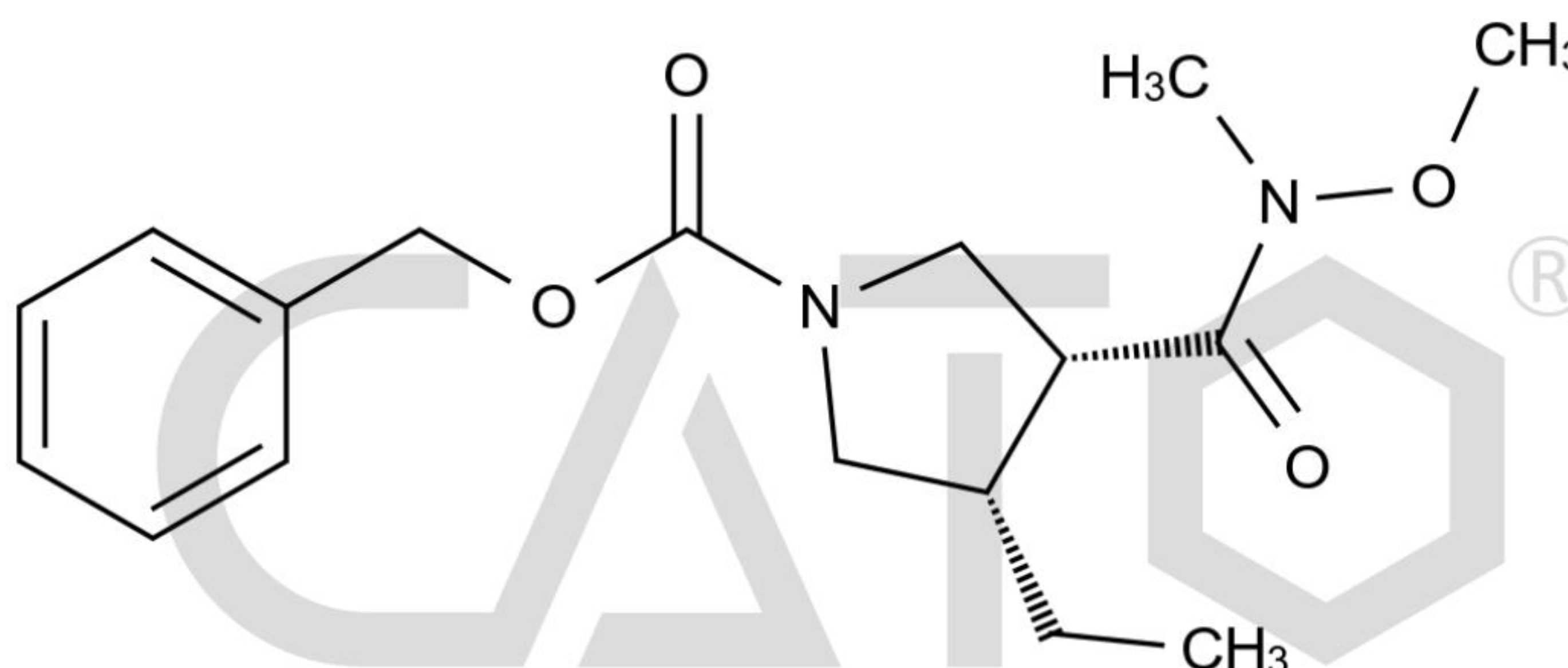
Reference Material & Standard

Product Name:	Upadacitinib Impurity 59	Catalogue Number:	C4X-240559
Synonyms:	N/A	Lot Number:	0915-RG-0052
CAS Number:	2411540-28-6	Expiry Date:	Sep 15, 2029
Molecular Formula:	C ₁₇ H ₂₄ N ₂ O ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	320.38		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Oil
Identification	HRMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.6743%
Loss On Drying	TGA	1.575%
Assay		98.1%

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:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Sep 18, 2025

Date: Sep 18, 2025

Date: Sep 18, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

