

Certificate of Analysis

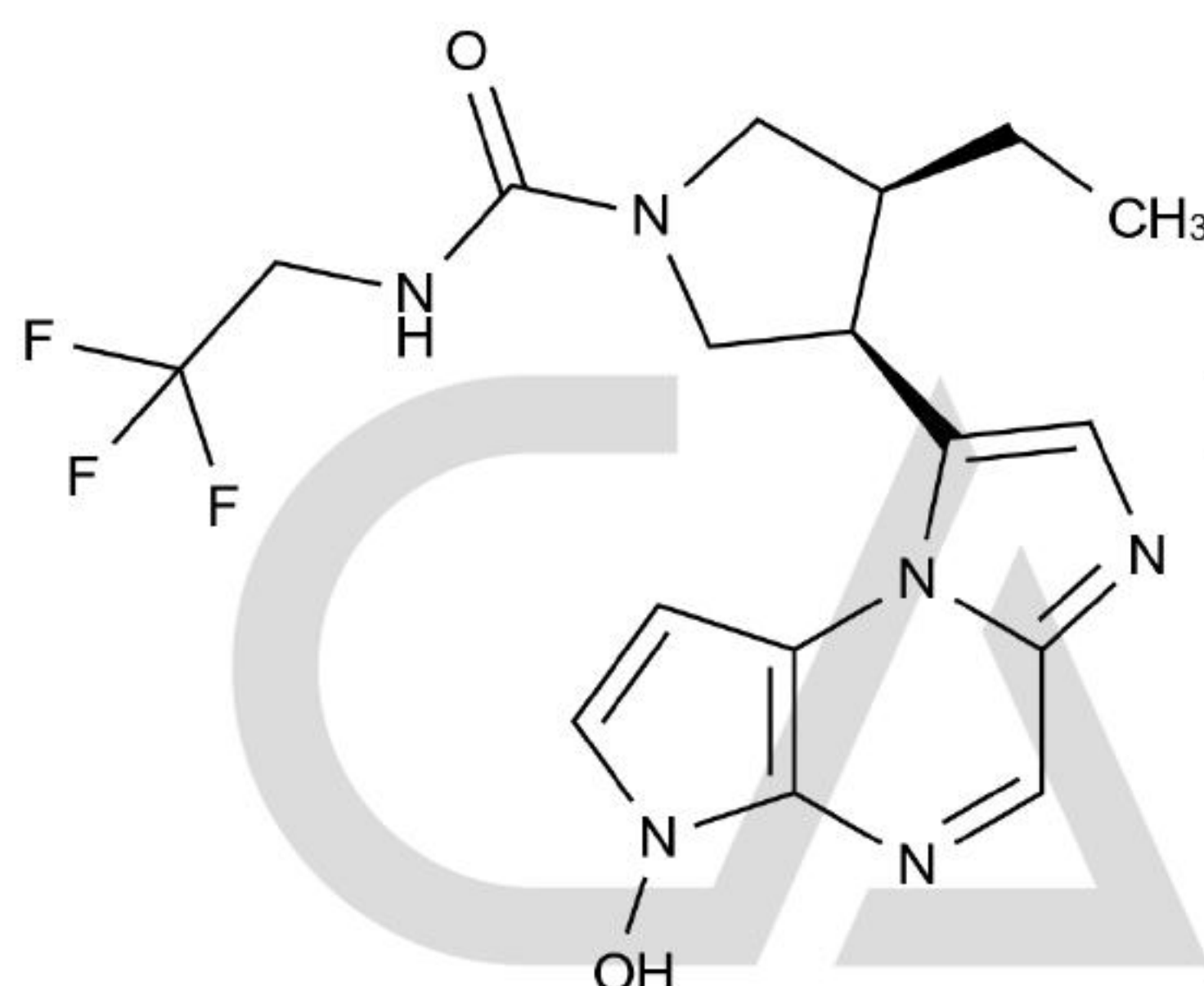
Reference Material & Standard

Product Name:	Upadacitinib Impurity 112	Catalogue Number:	C4X-2405112
Synonyms:	N/A	Lot Number:	0712-RH-0091
CAS Number:	N/A	Expiry Date:	Jul 09, 2030
Molecular Formula:	C ₁₇ H ₁₉ F ₃ N ₆ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	396.37	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Green Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	98.88%
Loss on Drying	TGA	3.0398%
Assay		95.9%

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:

Reviewed by:

Approved by General Manager:

Date: Jul 15, 2026

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