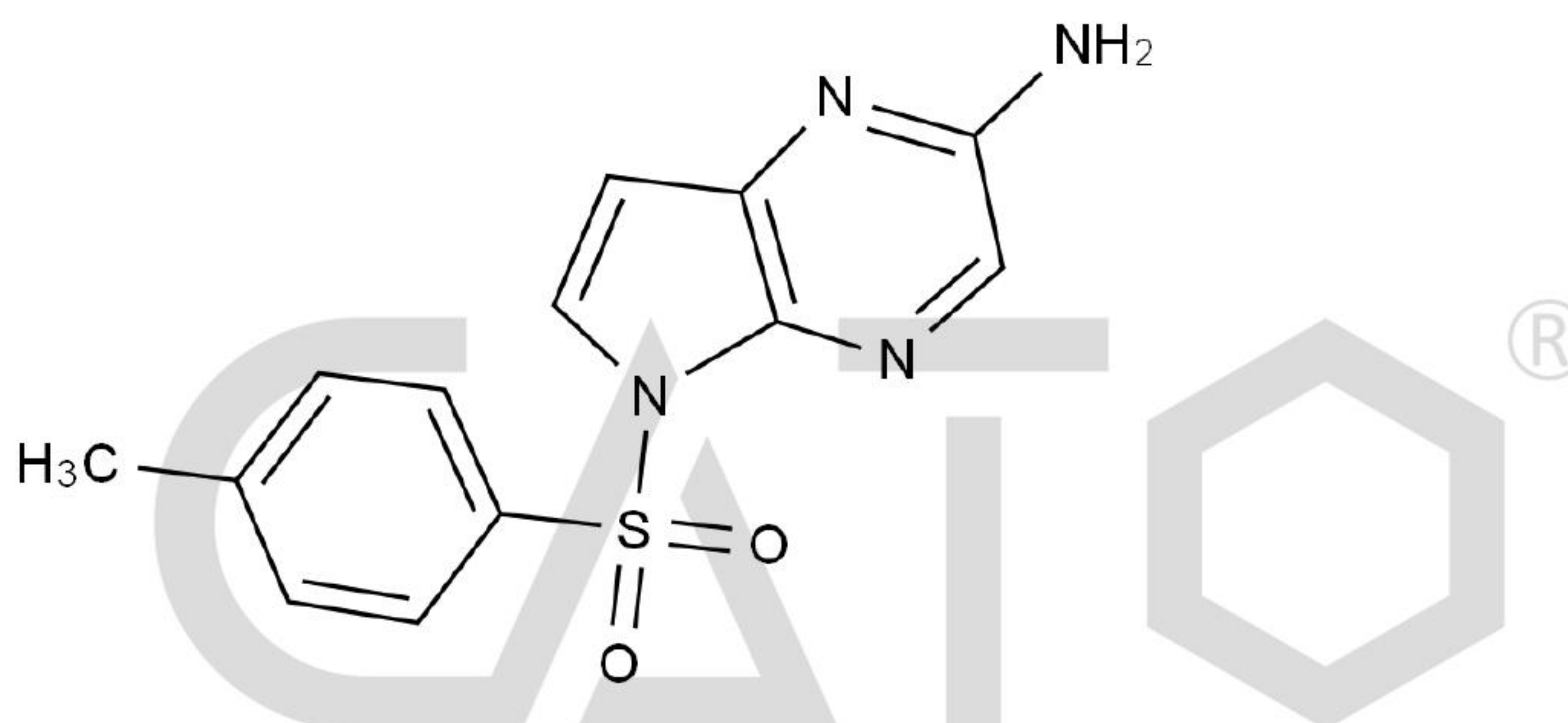


Certificate of Analysis

Reference Material & Standard

Product Name:	Upadacitinib Impurity 2	Catalogue Number:	C4X-24052
Synonyms:	N/A	Lot Number:	0721-RG-0111
CAS Number:	1201187-46-3	Expiry Date:	Jul 23, 2029
Molecular Formula:	C ₁₃ H ₁₂ N ₄ O ₂ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	288.32	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	98.489%
Loss on Drying	TGA	0.0438%
Assay		98.4%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Aug 05, 2026

Date: Aug 05, 2026

Date: Aug 05, 2026



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