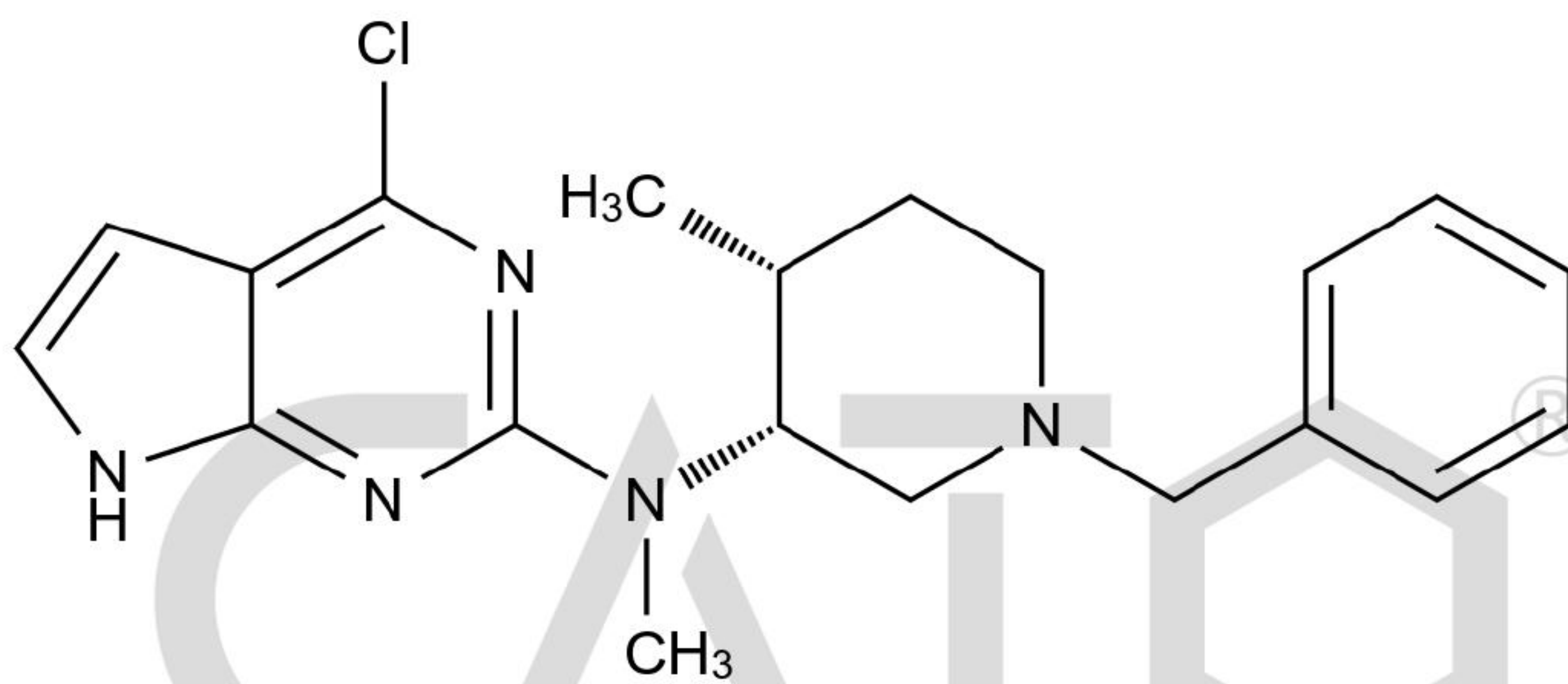


Certificate of Analysis

Reference Material & Standard

Product Name:	Tofacitinib Impurity 223	Catalogue Number:	C4X-1079223
Synonyms:	N/A	Lot Number:	0808-RG-0064
CAS Number:	N/A	Expiry Date:	Aug 09, 2029
Molecular Formula:	C ₂₀ H ₂₄ ClN ₅	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	369.89		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Grey Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	95.0019%
Loss On Drying	TGA	3.431%
Assay		91.7%

Comment:

The calculation of the 100% 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: Aug 11, 2025

Date: Aug 11, 2025

Date: Aug 11, 2025

