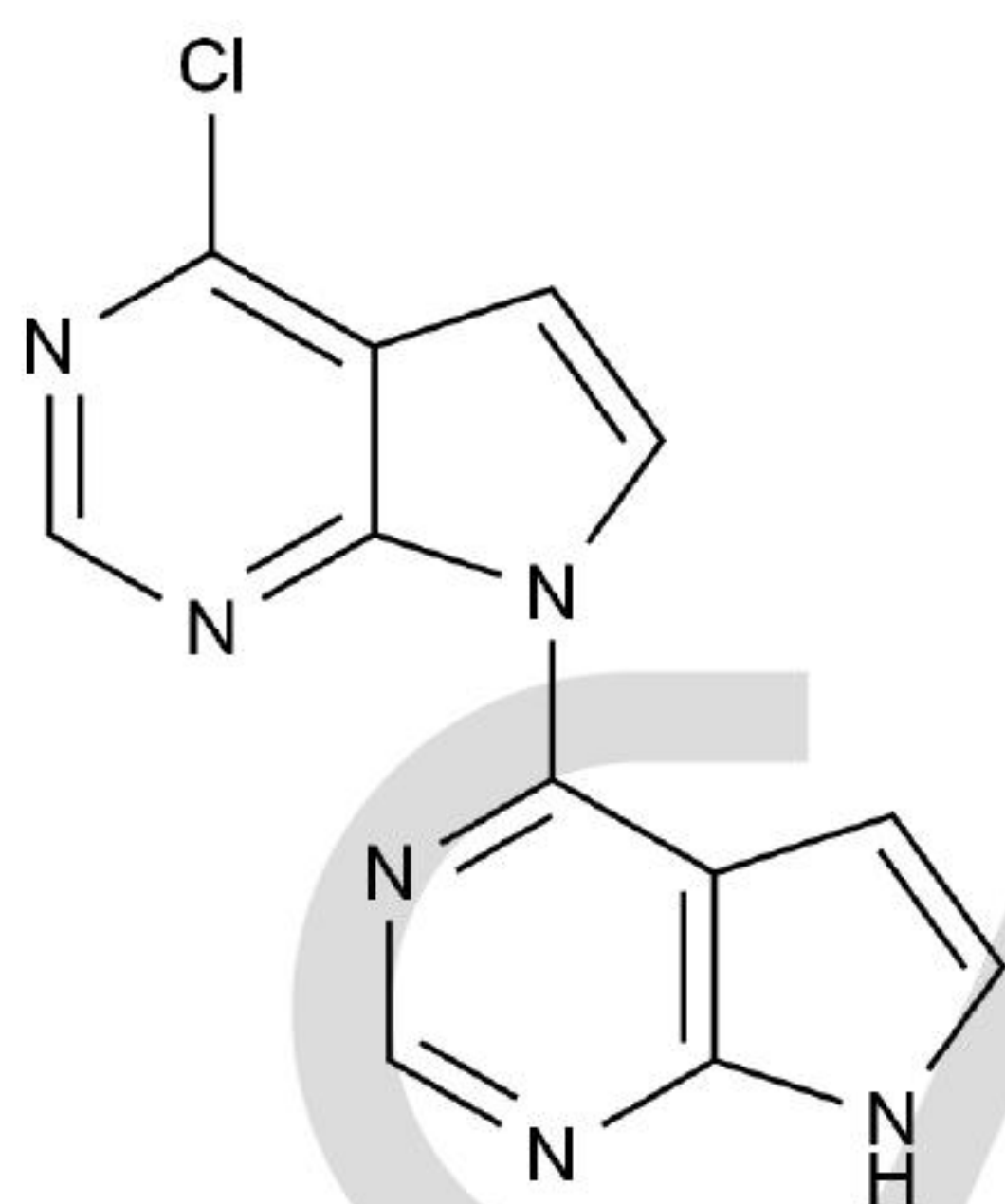


Certificate of Analysis

Reference Material & Standard

Product Name:	Tofacitinib Impurity 71	Catalogue Number:	C4X-107971
Synonyms:	N/A	Lot Number:	0331-RG-0049
CAS Number:	134965-85-8	Expiry Date:	Mar 25, 2028
Molecular Formula:	C ₁₂ H ₇ ClN ₆	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	270.68	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	99.118%
Water Content	Karl Fischer	0.14%
Residual Solvents	NMR	0.48% methanol
Assay		98.5%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are 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

