

Certificate of Analysis

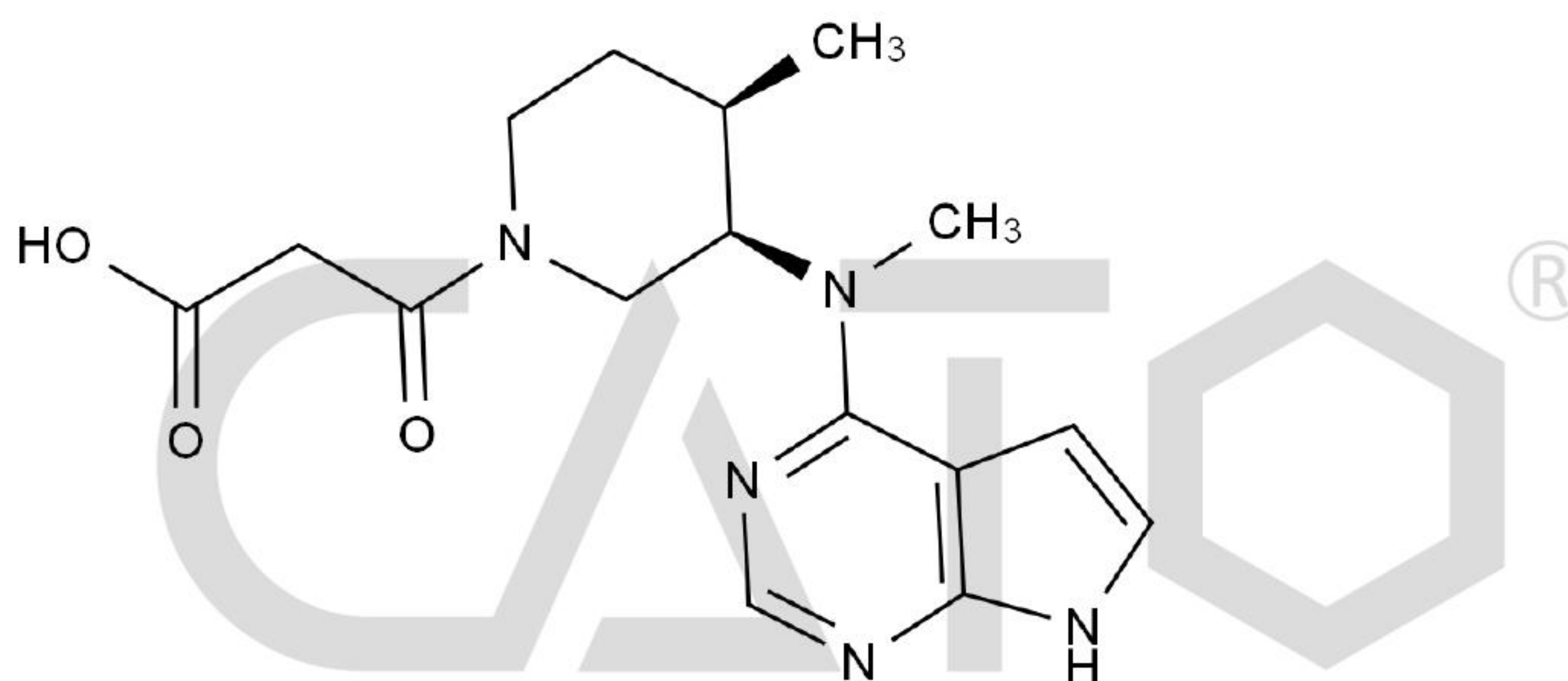
Reference Material & Standard

Product Name:	Tofacitinib Impurity 16	Catalogue Number:	C4X-107916
Synonyms:	N/A	Lot Number:	1222-RG-0065
CAS Number:	2328165-36-0	Expiry Date:	Jan 10, 2029
Molecular Formula:	C ₁₆ H ₂₁ N ₅ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	331.37	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	98.154%
Water Content	Karl Fischer	2.04%
Residual Solvents	NMR	2.68% formic acid
Assay		93.5%

Comment:

The calculation of the mass balance 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:

Reviewed by:

Approved by General Manager:

Date: Dec 23, 2025

Date: Dec 24, 2025

Date: Dec 24, 2025



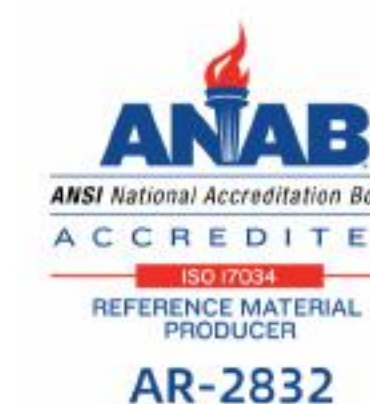
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