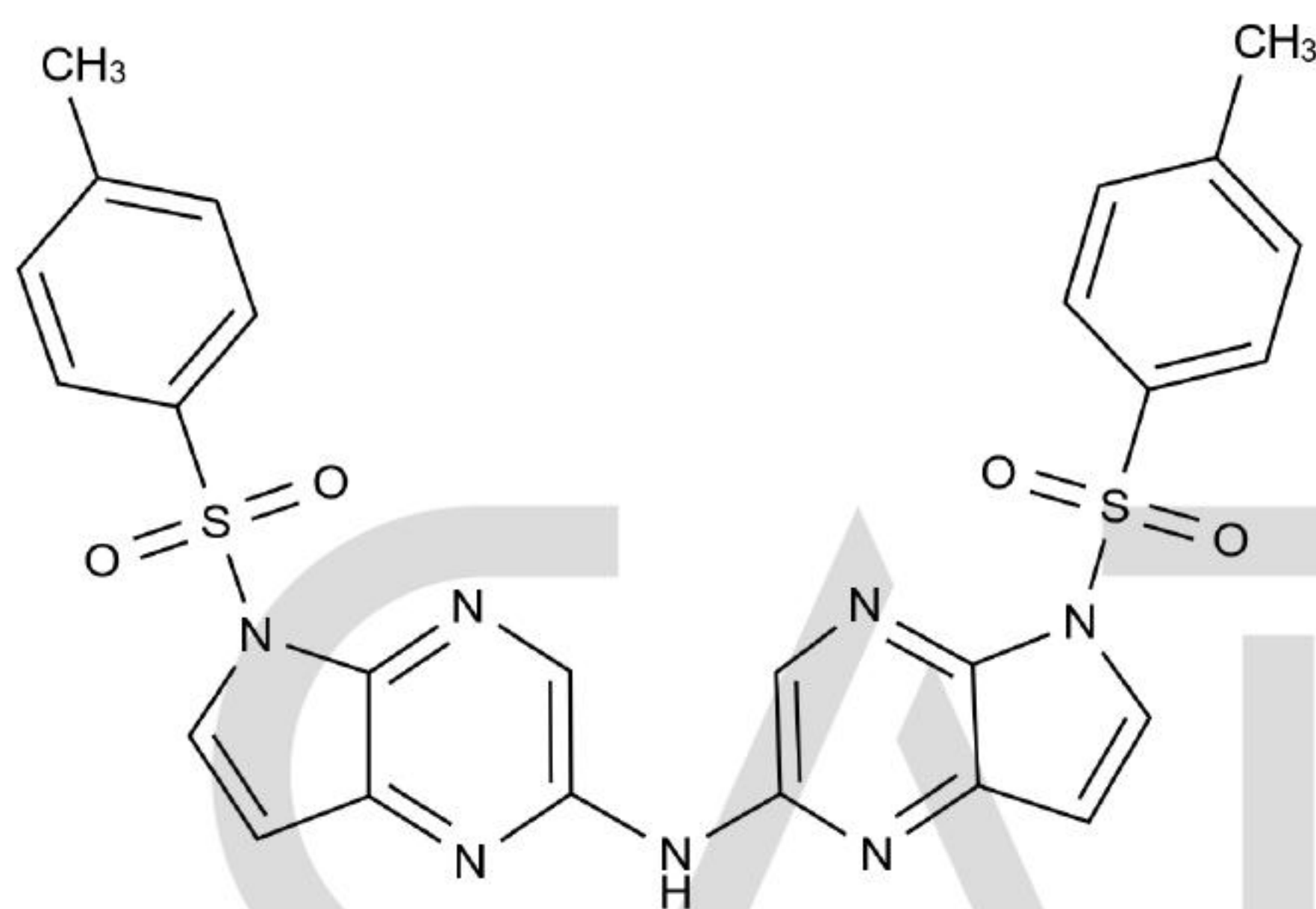


Certificate of Analysis

Reference Material & Standard

Product Name:	Upadacitinib Impurity 69	Catalogue Number:	C4X-240569
Synonyms:	N/A	Lot Number:	1018-RF-0082
CAS Number:	N/A	Expiry Date:	Feb 28, 2027
Molecular Formula:	C ₂₆ H ₂₁ N ₇ O ₄ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	559.62	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.115%
Water Content	Karl Fischer	0.11%
Residual Solvents	NMR	Not detected in NMR
Assay		99.0%

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: Oct 21, 2024

Date: Oct 21, 2024

Date: Oct 21, 2024

