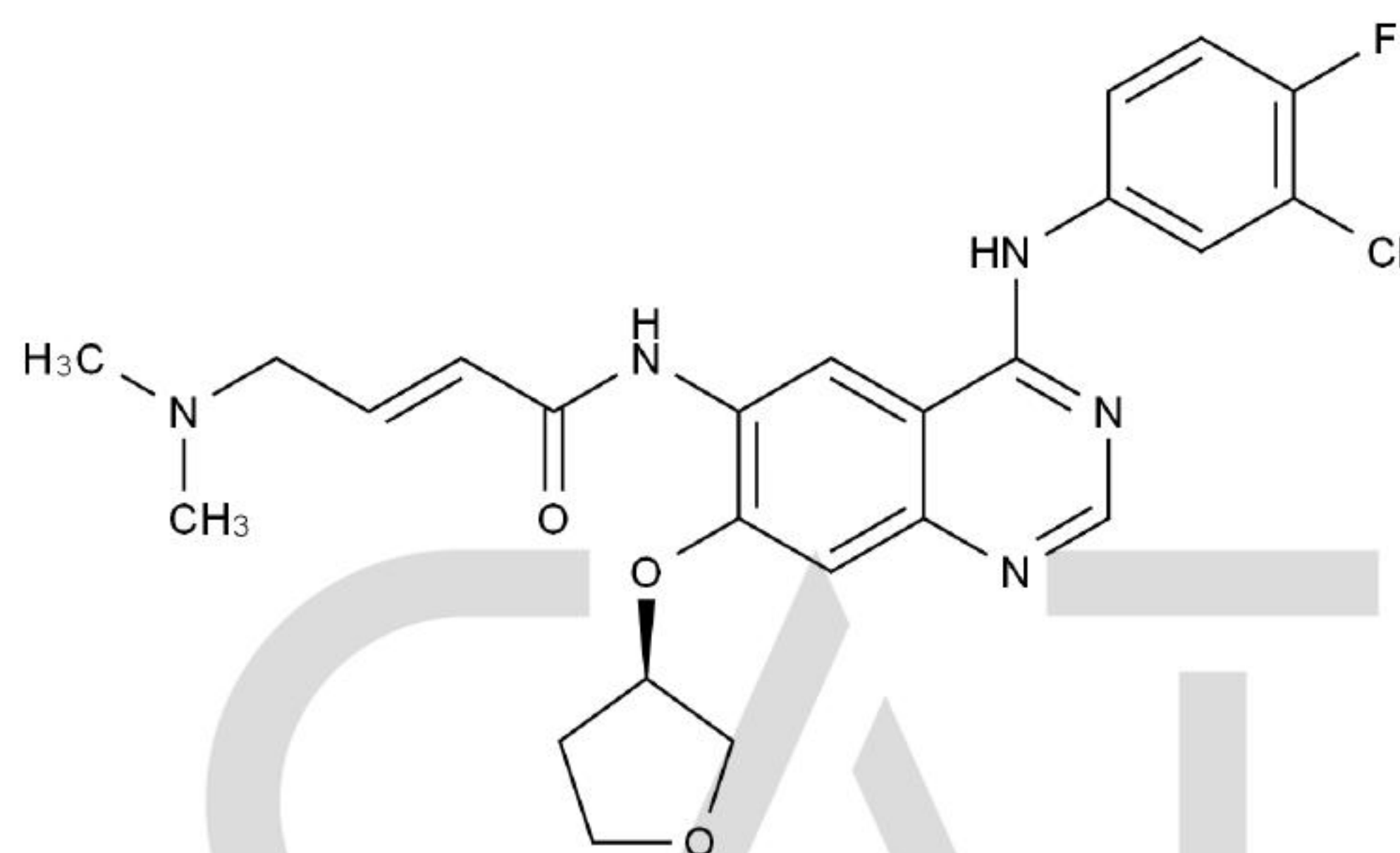


Certificate of Analysis

Reference Material & Standard

Product Name:	Afatinib Impurity 3	Catalogue Number:	C4X-10063
Synonyms:	N/A	Lot Number:	0929-RF-0108
CAS Number:	945553-91-3	Expiry Date:	Feb 11, 2028
Molecular Formula:	C ₂₄ H ₂₅ ClFN ₅ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	485.94		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	99.789%
Loss On Drying	TGA	1.6670%
Assay		98.1%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 07, 2025

Date: Apr 07, 2025

Date: Apr 07, 2025

