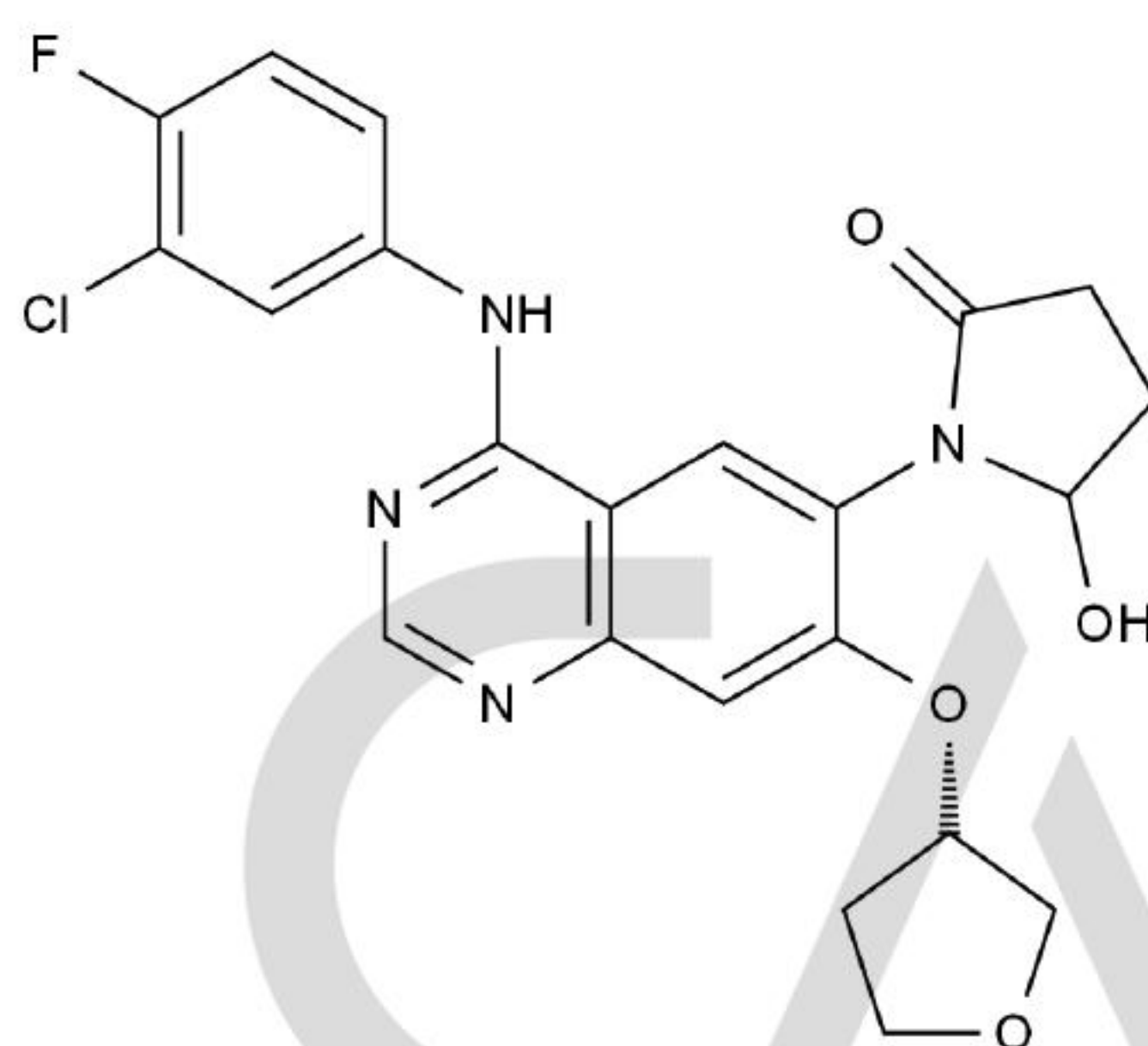


Certificate of Analysis

Reference Material & Standard

Product Name:	Afatinib Impurity 19	Catalogue Number:	C4X-100619
Synonyms:	N/A	Lot Number:	0602-RH-0126
CAS Number:	2223677-58-3	Expiry Date:	Jun 07, 2030
Molecular Formula:	C ₂₂ H ₂₀ ClFN ₄ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	458.87	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.226%
Loss on Drying	TGA	0.1449%
Assay		99.1%

Comment:

The calculation of the mass balance 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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jun 08, 2026

Date: Jun 08, 2026

Date: Jun 08, 2026



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