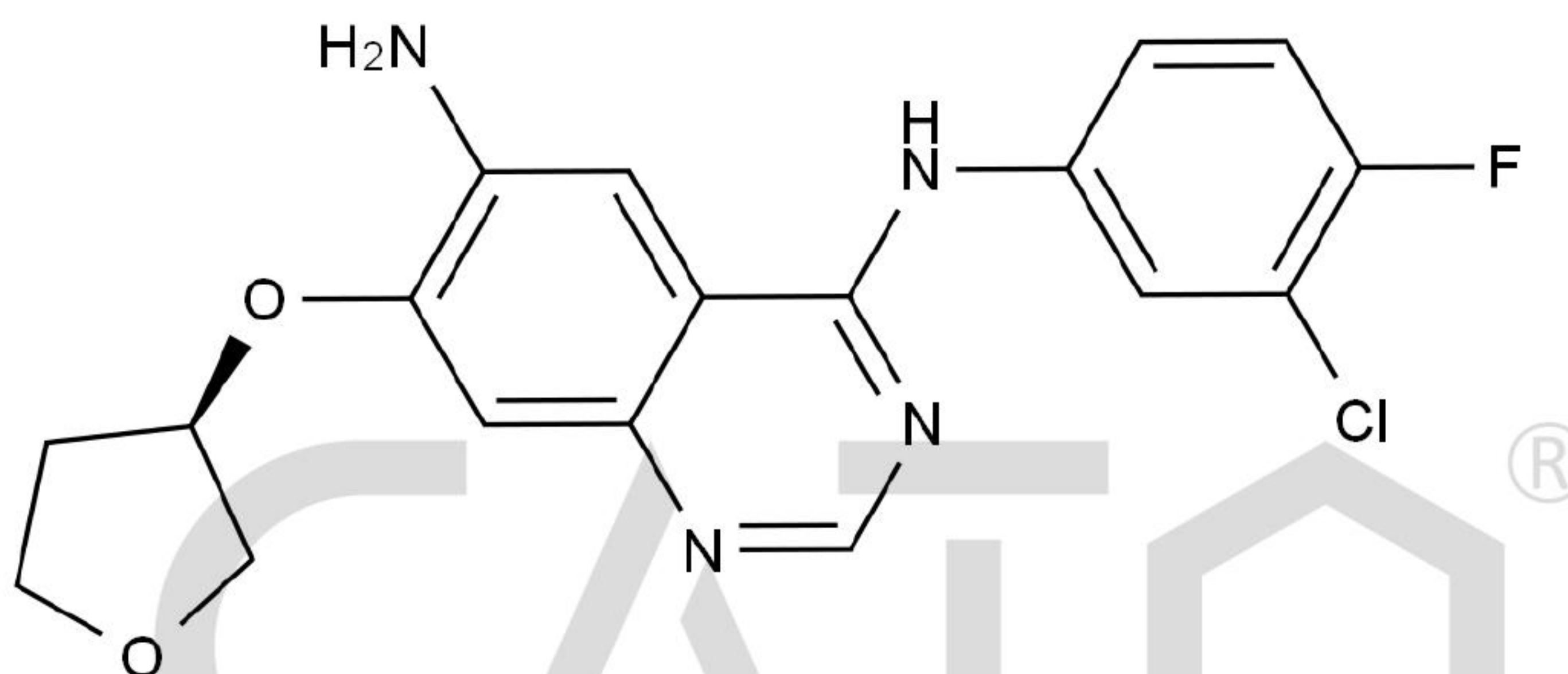


Certificate of Analysis

Reference Material & Standard

Product Name:	Afatinib Impurity 21	Catalogue Number:	C4X-100621
Synonyms:	N/A	Lot Number:	0510-RF-0030
CAS Number:	402855-03-2	Expiry Date:	May 12, 2027
Molecular Formula:	C ₁₈ H ₁₆ ClFN ₄ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	374.80		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.626%
Loss On Drying	TGA	1.1965%
Assay		98.4%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jun 24, 2024

Date: Jun 25, 2024

Date: Jun 25, 2024

