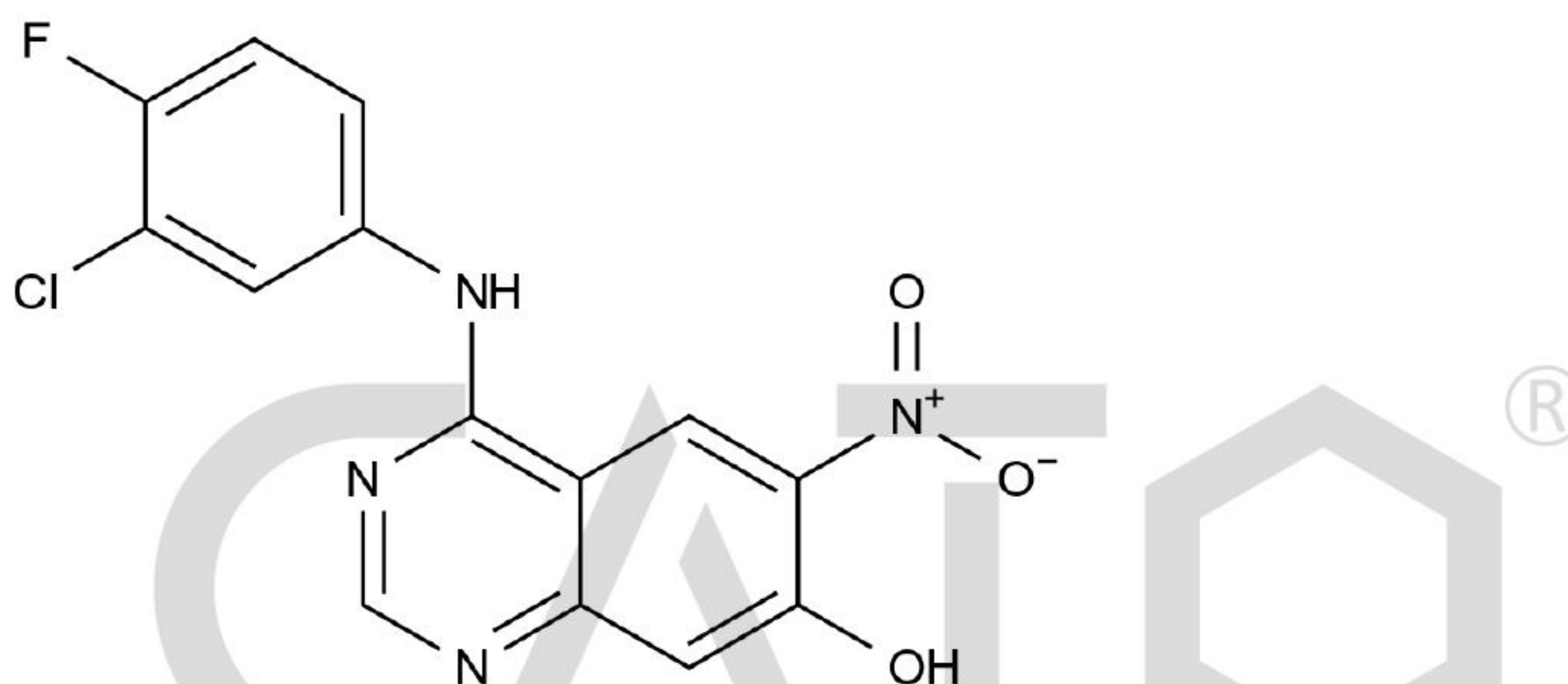


Certificate of Analysis

Reference Material & Standard

Product Name:	Afatinib Impurity 53	Catalogue Number:	C4X-100653
Synonyms:	N/A	Lot Number:	0515-RF-0038
CAS Number:	1449430-45-8	Expiry Date:	May 20, 2027
Molecular Formula:	C ₁₄ H ₈ ClFN ₄ O ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	334.69	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Orange-Red Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.151%
Loss On Drying	TGA	4.9870%
Assay		94.2%

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

