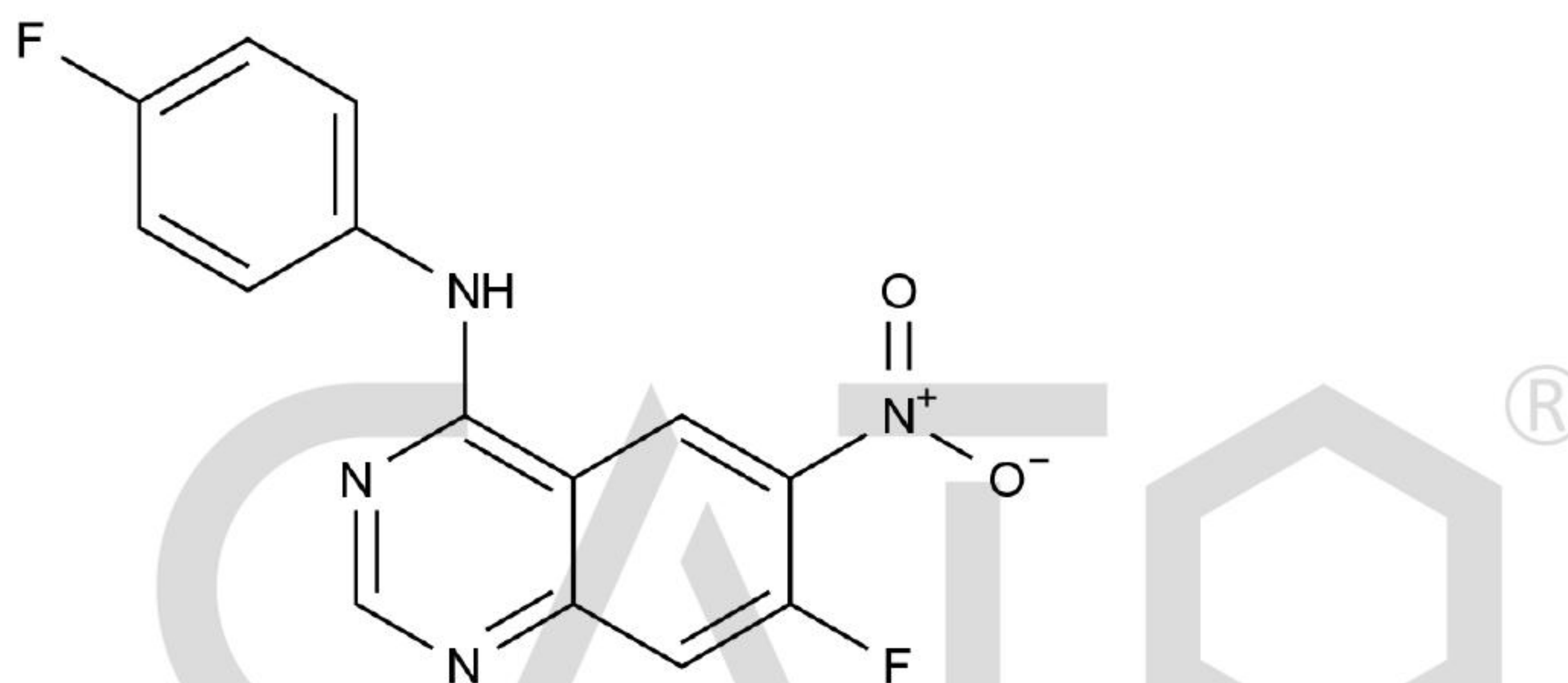


Certificate of Analysis

Reference Material & Standard

Product Name:	Afatinib Impurity 52	Catalogue Number:	C4X-100652
Synonyms:	N/A	Lot Number:	0510-RF-0031
CAS Number:	N/A	Expiry Date:	May 12, 2027
Molecular Formula:	C ₁₄ H ₈ F ₂ N ₄ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	302.24	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.192%
Loss On Drying	TGA	0.1883%
Assay		99.0%

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 25, 2024

Date: Jun 25, 2024

Date: Jun 25, 2024

