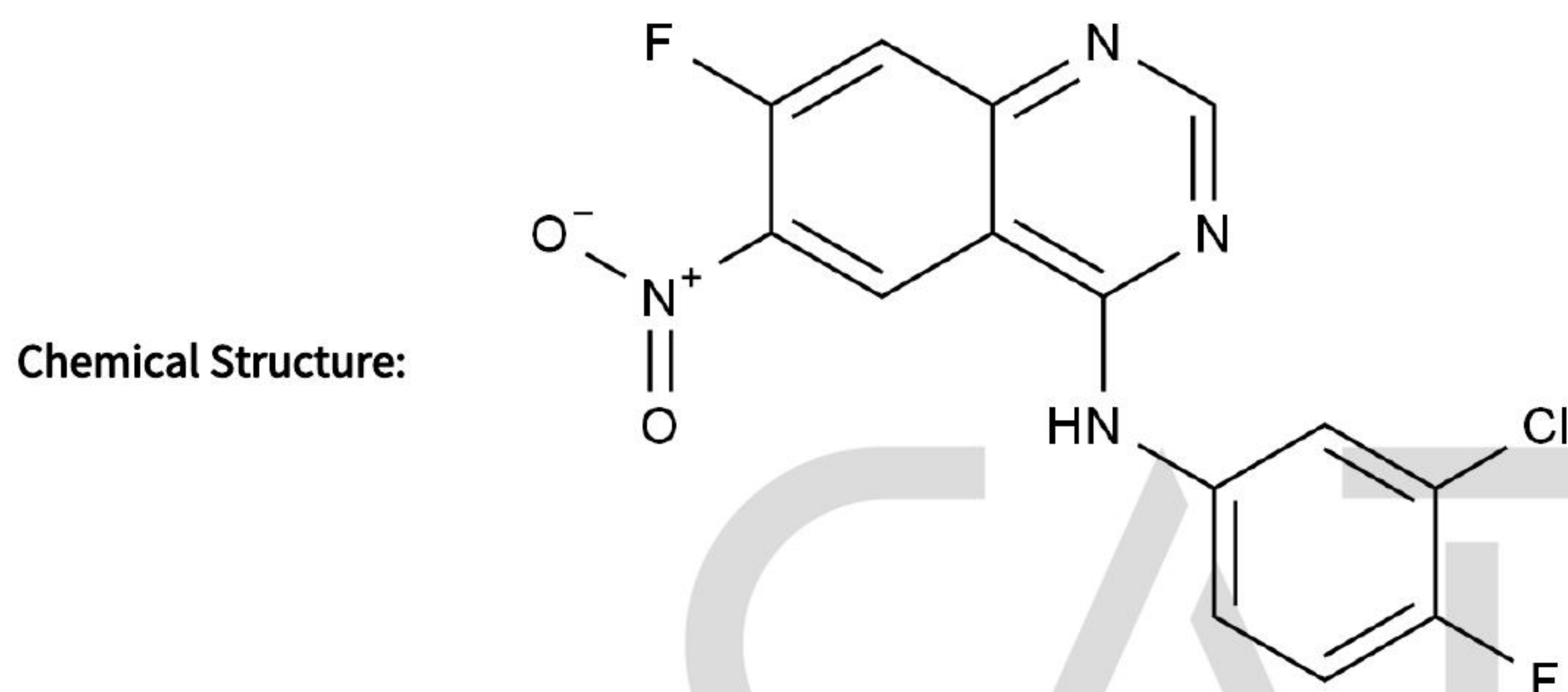


Certificate of Analysis

Reference Material & Standard

Product Name:	Afatinib Impurity 22	Catalogue Number:	C4X-100622
Synonyms:	N/A	Lot Number:	0106-RE-0006
CAS Number:	162012-67-1	Expiry Date:	Feb 07, 2028
Molecular Formula:	C ₁₄ H ₇ ClF ₂ N ₄ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	336.68		



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.714%
Loss On Drying	TGA	0.1417%
Assay		99.6%

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: Feb 08, 2025

Date: Feb 10, 2025

Date: Feb 10, 2025

