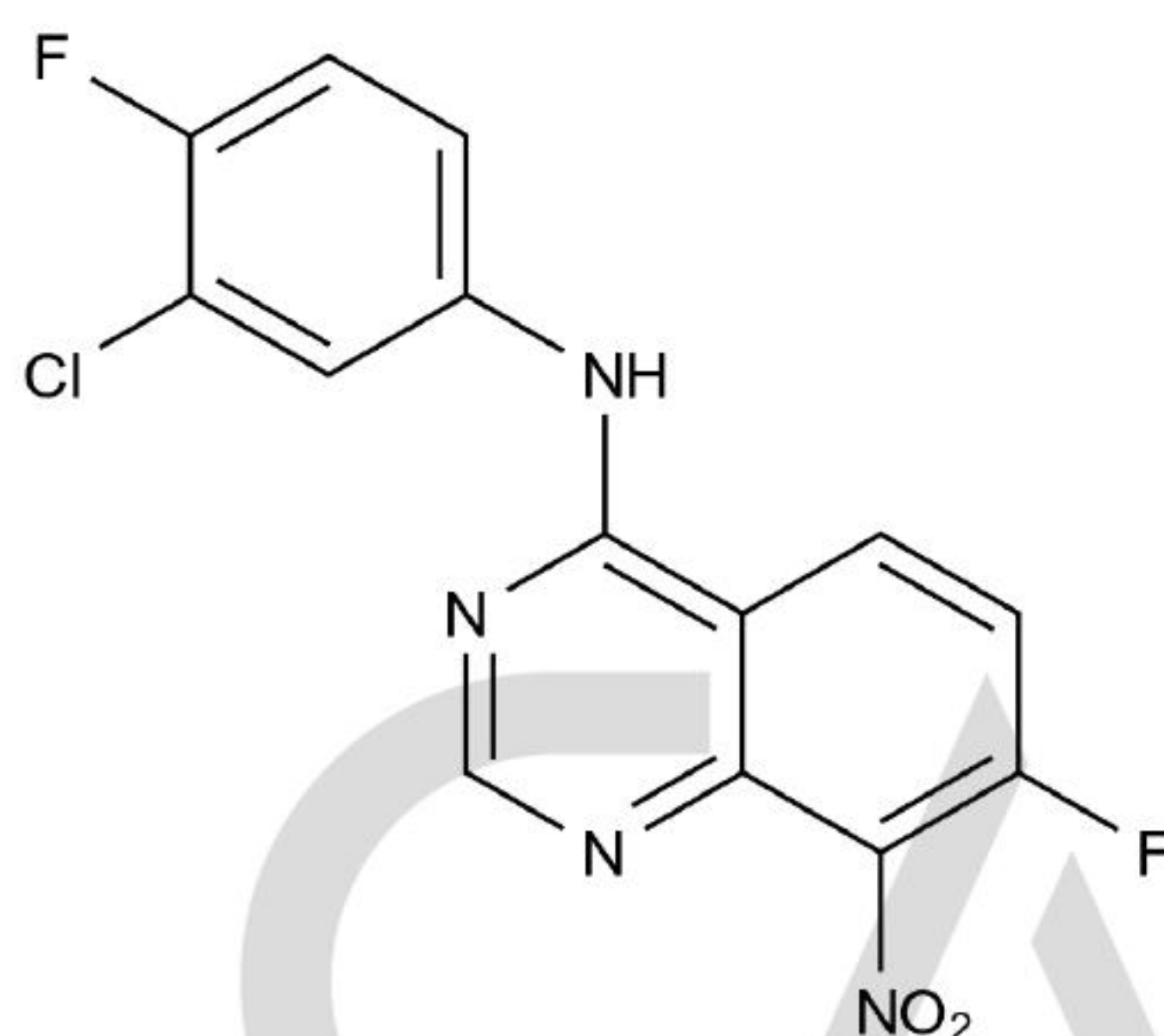


Certificate of Analysis

Reference Material & Standard

Product Name:	Afatinib Impurity 54	Catalogue Number:	C4X-100654
Synonyms:	N/A	Lot Number:	0704-RF-0022
CAS Number:	2831861-00-6	Expiry Date:	Jul 04, 2027
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		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.146%
Loss On Drying	TGA	0.2092%
Assay		97.9%

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: Jul 05, 2024

Date: Jul 05, 2024

Date: Jul 05, 2024

