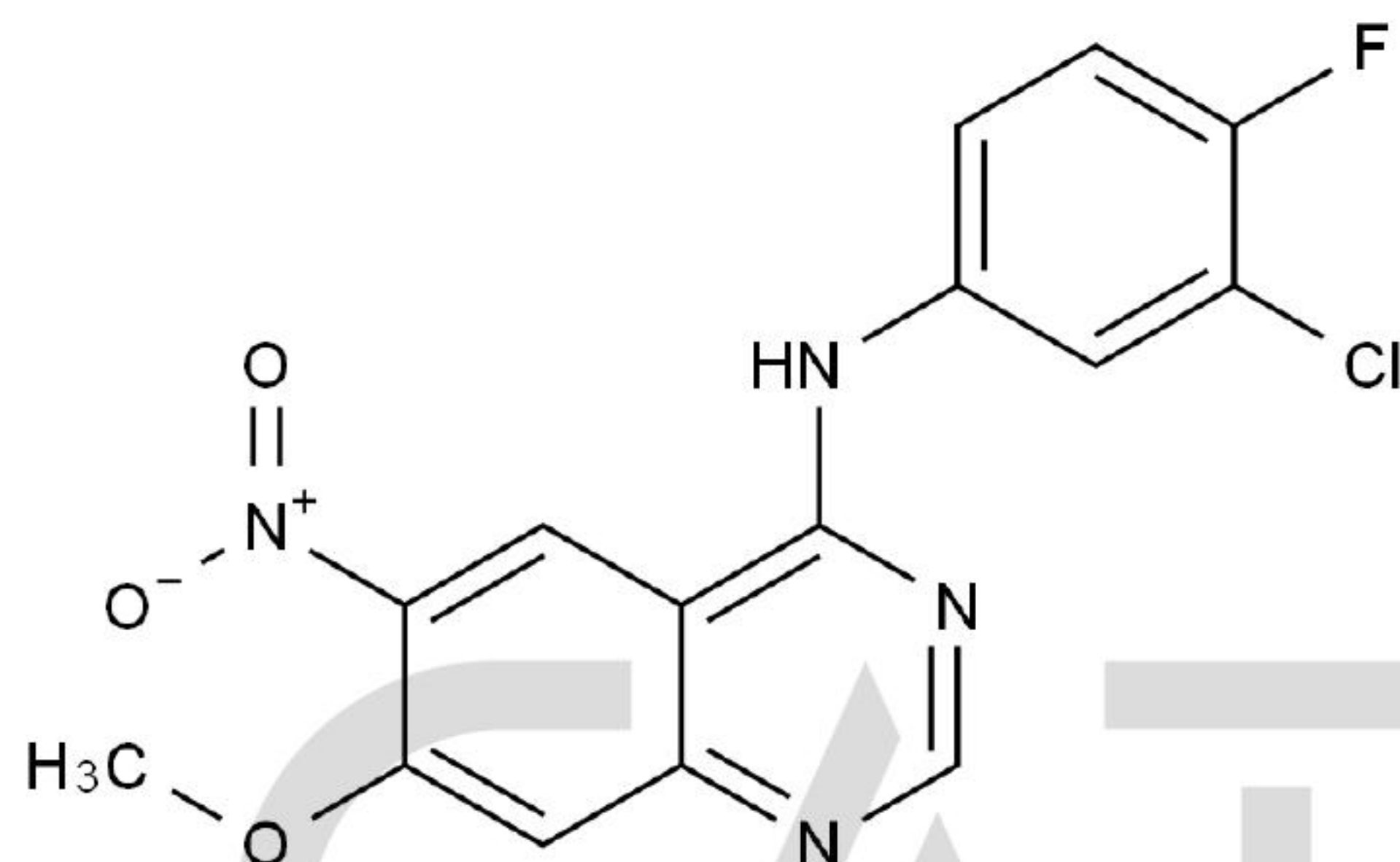


Certificate of Analysis

Reference Material

Product Name:	Afatinib Impurity 41	Catalogue Number:	C4X-100641
Chemical Name:	N/A	Lot Number:	1229-RD-0018
CAS Number:	179552-74-0	Expiry Date:	Jan 05, 2026
Molecular Formula:	C15H10ClFN4O3	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	348.72		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Powder
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.3130%
Assay		99.7%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Delia

Reviewed by:

Nacy

Aporoved by General manager:

David

Date: Jan 06, 2023

Date: Jan 09, 2023

Date: Jan 09, 2023

