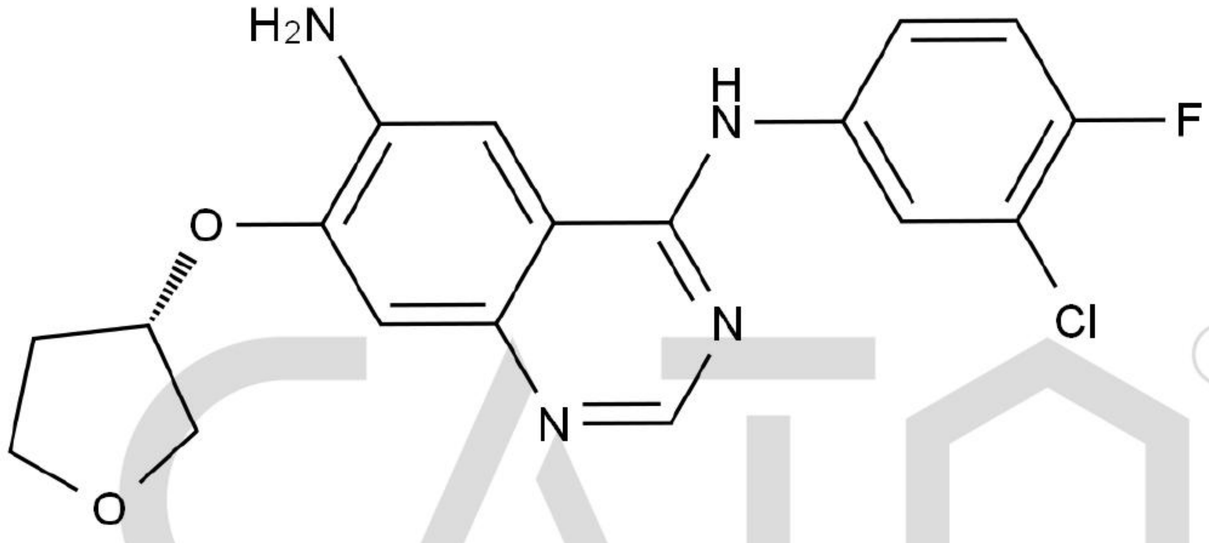
Certificate of Analysis

Reference Material & Standard

Product Name:	Afatinib Impurity 2	**Catalogue Number:**	C4X-10062
Synonyms:	N/A	**Lot Number:**	0409-RG-0051
CAS Number:	314771-76-1	**Expiry Date:**	Apr 08, 2028
Molecular Formula:	C18H16ClFN4O2	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	374.80		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Light Brown Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	HPLC	100.000%
Loss On Drying	TGA	0.1907%
Assay		99.8%

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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: Koji Date: Apr 09, 2025

Reviewed by: Lisa Date: Apr 09, 2025

Approved by General Manager: David Date: Apr 09, 2025

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