

Certificate of Analysis

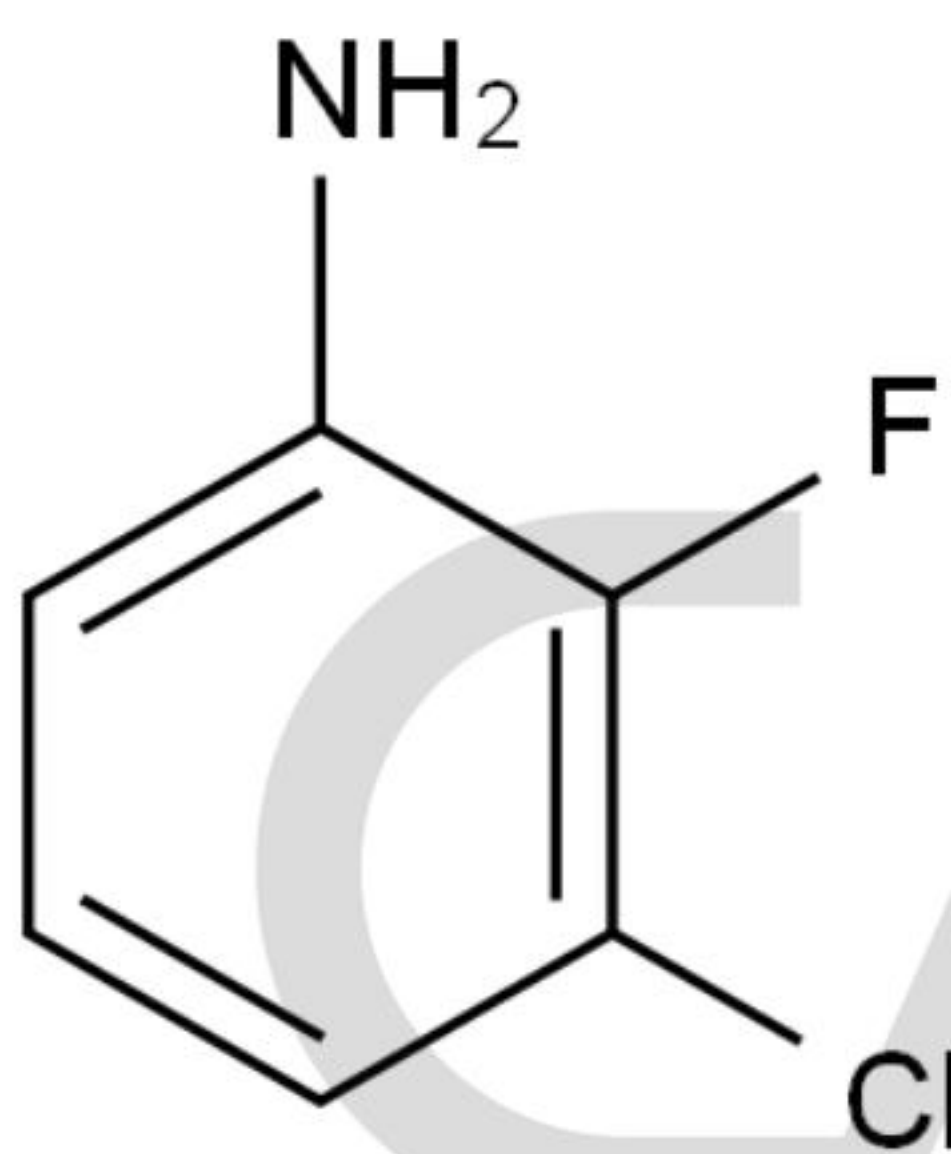
Reference Material & Standard

Product Name:	Afatinib Impurity 38	Catalogue Number:	C4X-100638
Synonyms:	3-Chloro-2-fluoroaniline	Lot Number:	0715-RB-0009
CAS Number:	2106-04-9	Expiry Date:	Sep 21, 2029
Molecular Formula:	C ₆ H ₅ ClFN	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	145.56		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Colourless Liquid
Identification	GCMS&HNMR	Confirmed
Purity	GC	98.558%
Water Content	Karl Fischer	0.5644%
Assay		98.0%

Comment:

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

Assay (%) = (100% - Water Content) * Purity GC (%) / 100%

Water Content is considered as absolute effect, GC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Sep 22, 2025

Date: Sep 22, 2025

Date: Sep 22, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 6



Official WeChat