

Analysis Date: 12-05-2025

Re-test Date: 12-05-2028

AFATINIB IMPURITY 41

Identification

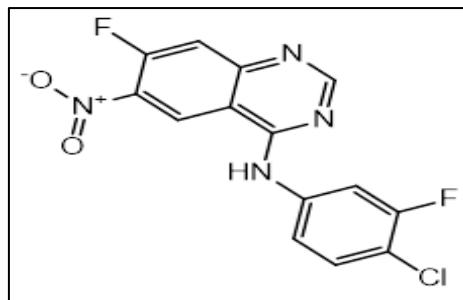
Chemical Name : N-(4-Chloro-3-fluorophenyl)-7-fluoro-6-nitroquinazolin-4-amine

CAT No : ALL-A07963

CAS No : 2475095-50-0

Molecular Formula : C₁₄H₇ClF₂N₄O₂

Molecular Weight : 336.7



Analytical Information

Batch Code : ALL-A07963

HPLC Purity : 98.03%

Solubility : MeOH: ACN

Potency : 97.20%

Appearance of Product : Off White Solid

Mass : Confirm

Long Term Storage : 2-8 °C

IR Analysis : Confirm

Weight Content By TGA : 0.471%

¹H NMR : Confirm

Residue Of Ignition : 0.366%

Additional Information

%Potency = [100 - (Inorganic Impurities % + Water %) × Chromatographic Purity%]/100 =

[100 - (0.471+0.366) × 98.08]/100 = 97.20%

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Vipul Khadse Jr. Executive	
Approved By	QA&QC	Dr. Ashish Keché Director QA&QC	

Attachment : HPLC, Mass, ¹H NMR, IR, TGA

Shipping Condition : All Product are stable to be shipped at room temperature, unless otherwise specified

Corporate Office

Allmpus Laboratories Pvt Ltd 38, Solitaire Industrial Estate, Plot No.TS-1, Near Nandi Palace Hotel, MIDC-Phase 1, Dombivli (E), Mumbai, Maharashtra 421203