

Analysis Date: 12-05-2025

Re-test Date: 12-05-2028

AFATINIB IMPURITY 9

Identification

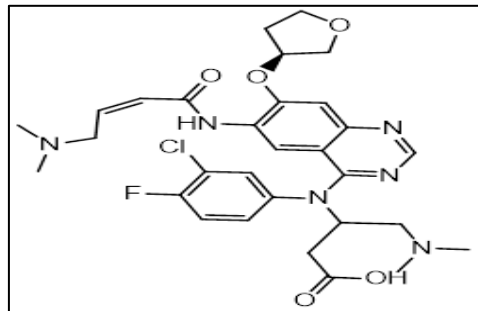
Chemical Name : 3-((3-Chloro-4-fluorophenyl)(6-((E)-4-(dimethylamino)but-2-enamido)-7-(((S)-tetrahydrofuran-3-yl)oxy)quinazolin-4-yl)amino)-4-(dimethylamino)butanoic acid

CAT No : ALL-A07993

CAS No : 2413212-10-7

Molecular Formula : C₃₀H₃₆ClFN₆O₅

Molecular Weight : 615.1



Analytical Information

Batch Code	: ALL-A07993	HPLC Purity	: 98.01%
Solubility	: MeOH: ACN	Potency	: 95.77%
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 °C	IR Analysis	: Confirm
Weight Content By TGA	: 1.348%	¹H NMR	: Confirm
Residue Of Ignition	: 0.941%		

Additional Information

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

[100 - (1.348+0.941× 98.02)]/100 = 95.77%

Recommendation : Released

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