Certificate Of Analysis

Analysis Date: 13-05-2025 **Re-test Date:** 13-05-2028

AFATINIB NITROSO IMPURITY 2

Identification

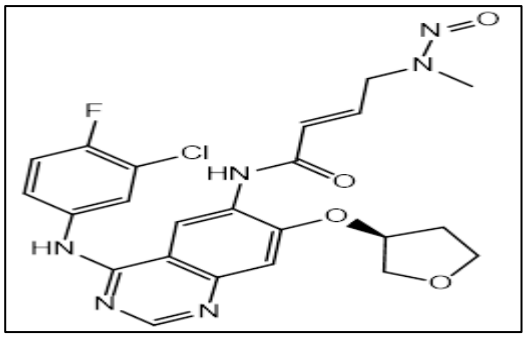
Chemical Name : (S,E)-N-(4-((3-chloro-4-fluorophenyl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(methyl(nitroso)amino)but-2-enamide

CAT No : ALL-A08010

CAS No : N.A.

Molecular Formula : C23H22ClFN6O4

Molecular Weight : 500.9



Analytical Information

Batch Code	: ALL-A08010	**HPLC Purity**	: 98.03%
Solubility	: MeOH: ACN	**Potency**	: 95.77%
Appearance of Product	: Off White Solid	**Mass**	: Confirm
Long Term Storage	: 2-8 ^{0}C	**IR Analysis**	: Confirm
Weight Content By TGA	: 1.481%	**1HNMR**	: Confirm
Residue Of Ignition	: 0.821%		

Additional Information

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

[100 – (1.481+0.821× 98.03]/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