











CERTIFICATE OF ANALYSIS

Date: 17-12-2025

Product Name N-Nitroso Afatinib Impurity 2 Chemical Name (E)N-4(-(1)-3-chior-4-fluorophenyi)+4(-(4-(3-chior-0-4-fluorophenyi)amino)-7-(((S)-tetrahydrofuran-3-yi)oxy)quinazolin-6-yl)amino)-1-(dimethylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yi)oxy)quinazolin-6-yl)amino)-1-(dimethylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yi)oxy)quinazolin-6-yl)amino)-1-(dimethylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yi)oxy)quinazolin-6-yl)amino)-1-(dimethylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yi)oxy)quinazolin-6-yl)amino)-1-(dimethylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yi)oxy)quinazolin-6-yl)amino)-1-(dimethylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yi)oxy)quinazolin-6-yl)amino)-1-(dimethylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yi)oxy)quinazolin-6-yl)amino)-1-(dimethylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yi)oxy)quinazolin-6-yl)amino)-1-(dimethylamino)-7-((tetrahydrofuran-3-yi)oxy)quinazolin-6-yl)ami				
Structure				
Batch No. CAS No. NA Analysis Date 14 Retest Date 5	Chemical Name	(E)-N-(4-((1-(3-chloro-4-fluorophenyl)-4-((4-((3-chloro-4-fluorophenyl)amino)-7-(((S)-tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)amino)-1-(dimethylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(methylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(methylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(methylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(methylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(methylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(methylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(methylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(methylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(methylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(methylamino)-4-oxobutan-2-yl)amino)-7-((tetrahydrofuran-3-yl)oxy)quinazolin-6-yl)-4-(methylamino)-4-oxobutan-2-yl)-4-(methylamino)-4-(methylamino)-4-(methylamino)-4-(methylamino)-4-(methylamino)-4-(methylamino)-4-(methylamino)-4-(methylamino)-4-(methylamino)-4-(met		
Analysis Date 14 Retest Date 5 Mol. Formula $C_C H_C C I_F N_D O_T$ Molecular Wt. 986.86	Structure			
Mol. Formula $C_cH_cCl_sF_N_{10}O_r$ Molecular Wt. 986.86	Batch No.		CAS No.	NA
	Analysis Date	14	Retest Date	5
Long term Storage Condition Store at 2.8 °C in well closed container	Mol. Formula	$C_{47}H_{47}Cl_2F_2N_{11}O_7$	Molecular Wt.	986.86
	Long term Storage Condition			
Handling and Transit Condition 25-30 °C in well closed container	Handling and Transit Condition		25-30 °C in well closed container	

Test	Result
Appearance	-
Solubility	-
1H-NMR	Conforms to structure
MASS	Conforms to structure
Chromatographic Purity	>90%

Note: This material should be used for research purpose and not for human or animal consumption. Any patent applicable for this product in any country is not applicable for this analytical standard/research chemical.

	Prepared By	Checked By	Approved By
Signature			
Date			