Certificate Of Analysis

Analysis Date: 12-05-2025 **Re-test Date:** 12-05-2028

AFATINIB IMPURITY 33

Identification

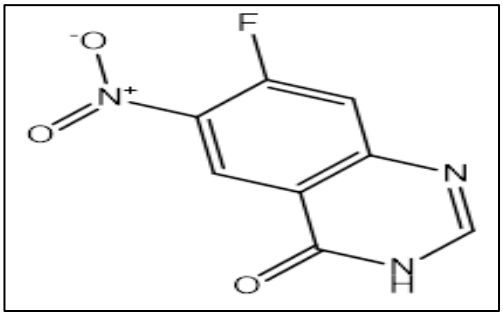
Chemical Name : 7-Fluoro-6-nitroquinazolin-4(3H)-one

CAT No : ALL-A07982

CAS No : 162012-69-3

Molecular Formula : C8H4FN3O3

Molecular Weight : 209.1



Analytical Information

Batch Code	: ALL-A07982	**HPLC Purity**	: 98.03%
Solubility	: MeOH: ACN	**Potency**	: 96.48%
Appearance of Product	: Off White Solid	**Mass**	: Confirm
Long Term Storage	: 2-8 ^{0}C	**IR Analysis**	: Confirm
Weight Content By TGA	: 0.813%	**1HNMR**	: Confirm
Residue Of Ignition	: 0.761%		

Additional Information

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

[100 – (0.813+0.761) × 98.03]/100 = 96.48%

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