

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY 9

Identification

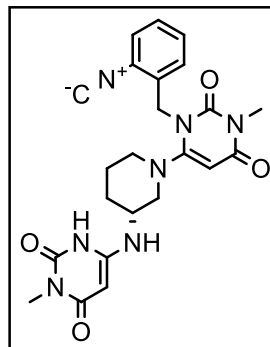
Chemical Name : (R)-1-(2-Isocyanobenzyl)-3-methyl-6-(3-((1-methyl-2,6-dioxo-1,2,3,6-tetrahydropyrimidin-4-yl)amino)piperidin-1-yl)pyrimidine-2,4(1H,3H)-dione

CAT No : ALL-ALO- 7875

CAS No : N.A

Molecular Formula : C₂₃H₂₅N₇O₄

Molecular Weight : 463.5



Analytical Information

Batch Code	: ALL-ALE- 7875	HPLC Purity	: 98.45 %
Solubility	: MeOH: ACN	Potency	: 97.24 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.154 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.067 %		

Additional Information

$$\% \text{Potency} = [100 - (\text{Residue \%} + \text{Water \%}) \times \text{Chromatographic Purity\%}] / 100 =$$

$$[100 - (1.0154 + 0.067) \times 98.45] / 100 = 97.24 \%$$

Recommendation : Released

	Department	Name	Signature
Prepared and Reviewed by	Analytical	Mr. Swapnil Kausatkar 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