Certificate Of Analysis

Analysis Date: 14-01-2025 **Re-test Date:** 14-01-2028

ALOGLIPTIN IMPURITY 29

Identification

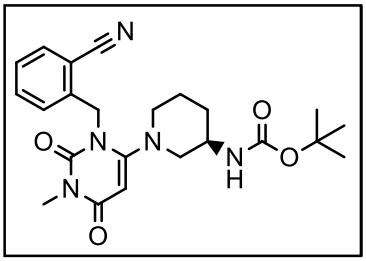
Chemical Name : Tert-butyl (R)-(1-(3-(2-cyanobenzyl)-1-methyl-2,6-dioxo-1,2,3,6-tetrahydropyrimidin-4-yl)piperidin-3-yl)carbamate

CAT No : ALL-ALO- 0741

CAS No : 1246610-74-1

Molecular Formula : C23H29N5O4

Molecular Weight : 439.5



Analytical Information

Batch Code	: ALL-ALE- 0741	**HPLC Purity**	: 97.99 %
Solubility	: MeOH: ACN	**Potency**	: 96.98 %
Appearance of Product	: Off White Solid	**Mass**	: Confirm
Long Term Storage	: 2-8^0 C	**IR Analysis**	: Confirm
Water Content By TGA	: 1.007 %	**1HNMR**	: Confirm
Residue Of Ignition	: 0.023 %		

Additional Information

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

[100 – (1.007+0.023) × 97.99]/100 = 96.98 %

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