

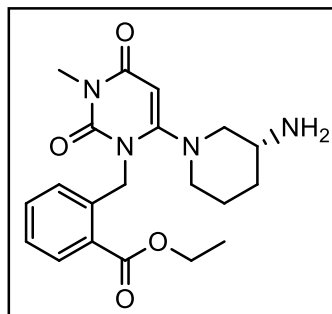
Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY 31
Identification
Chemical Name : Ethyl (R)-2-((6-(3-aminopiperidin-1-yl)-3-methyl-2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)methyl)benzoate

CAT No : ALL-ALO- 8208

CAS No : N.A

Molecular Formula : C₂₀H₂₆N₄O₄
Molecular Weight : 386.5

Analytical Information

Batch Code	: ALL-ALE- 8208	HPLC Purity	: 98.53 %
Solubility	: MeOH: ACN	Potency	: 97.33 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.128 %	¹HNMR	: Confirm
Residue Of Ignition	: 0.084 %		

Additional Information

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

$$[100 - (1.128 + 0.084) \times 98.53] / 100 = 97.33 \%$$

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