

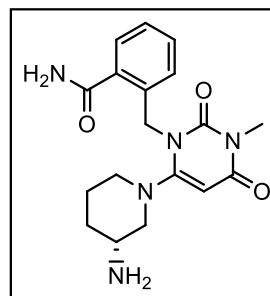
Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY 14
Identification
Chemical Name : (R)-2-((6-(3-Aminopiperidin-1-yl)-3-methyl-2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)methyl)benzamide

CAT No : ALL-ALO- 5300

CAS No : 1820685-30-0

Molecular Formula : C₁₈H₂₃N₅O₃
Molecular Weight : 357.4

Analytical Information

Batch Code	: ALL-ALE- 5300	HPLC Purity	: 98.12 %
Solubility	: MeOH: ACN	Potency	: 96.99 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ^o C	IR Analysis	: Confirm
Water Content By TGA	: 1.133 %	¹HNMR	: Confirm
Residue Of Ignition	: 0.009 %		

Additional Information

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

$$[100 - (1.033 + 0.009) \times 98.12] / 100 = 96.99 \%$$

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