

Analysis Date: 14-01-2025

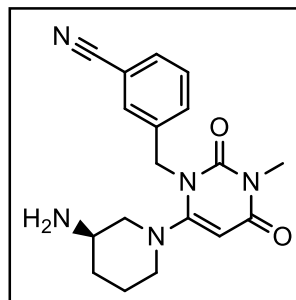
Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY B

Identification
Chemical Name : (R)-3-((6-(3-aminopiperidin-1-yl)-3-methyl-2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)methyl)benzotrile

CAT No : ALL-ALO- 5495

CAS No : 1339955-49-5

Molecular Formula : C₁₈H₂₁N₅O₂
Molecular Weight : 339.4

Analytical Information

Batch Code	: ALL-ALE- 5495	HPLC Purity	: 97.65 %
Solubility	: MeOH: ACN	Potency	: 96.45 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.143 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.083 %		

Additional Information

%Potency = [100 - (Residue % + Water %) × Chromatographic Purity%]/100 =
 [100 - (1.143+0.083) × 97.65]/100 = 96.45 %

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