

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN HYDROXY IMPURITY

Identification

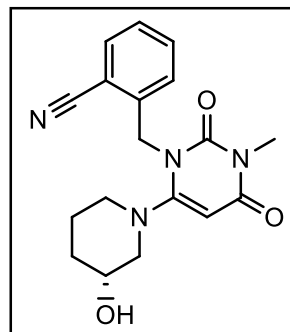
Chemical Name : (R)-2-((6-(3-Hydroxypiperidin-1-yl)-3-methyl-2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)methyl)benzonitrile

CAT No : ALL-ALO-7875

CAS No : N.A

Molecular Formula : C₅₁H₅₁N₇O₂

Molecular Weight : 794.0



Analytical Information

Batch Code	: ALL-ALE-7875	HPLC Purity	: 97.23%
Solubility	: MeOH: ACN	Potency	: 95.93 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.176 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.157 %		

Additional Information

%Potency = [100 - (Residue % + Water %) × Chromatographic Purity%]/100 =
 [100 - (1.176+0.157) × 97.23]/100 = 95.93 %

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