

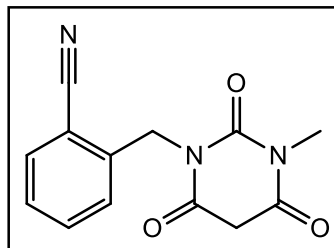
Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY 25
Identification
Chemical Name : 2-((3-Methyl-2,4,6-trioxotetrahydropyrimidin-1(2H)-yl)methyl)benzonitrile

CAT No : ALL-ALO- 0729

CAS No : 655-63-0

Molecular Formula : C₁₃H₁₁N₃O₃

Molecular Weight : 257.3

Analytical Information

Batch Code	: ALL-ALE- 0729	HPLC Purity	: 98.48 %
Solubility	: MeOH: ACN	Potency	: 97.45 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.006 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.032 %		

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

[100 – (1.006+0.032) × 98.48]/100 = 97.45 %

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