

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY 36

Identification

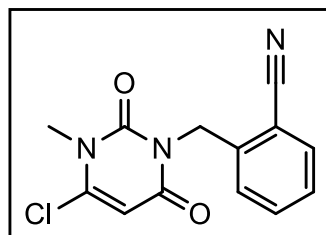
Chemical Name : 2-((4-Chloro-3-methyl-2,6-dioxo-3,6-dihydropyrimidin-1(2H)-yl)methyl)benzonitrile

CAT No : ALL-ALO- 8428

CAS No : 2749428-42-8

Molecular Formula : C₁₃H₁₀ClN₃O₂

Molecular Weight : 275.7



Analytical Information

Batch Code	: ALL-ALE- 8428	HPLC Purity	: 98.87 %
Solubility	: MeOH: ACN	Potency	: 97.14 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.168 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.067 %		

Additional Information

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

[100 – (1.168+0.067) × 98.87]/100 = 97.14 %

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

Allmpus Laboratories Pvt Ltd 38, Solitaire Industrial Estate, Plot No.TS-1, Near Nandi Palace Hotel, MIDC-Phase 1, Dombivli (E), Mumbai, Maharashtra 421203