

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY 24

Identification

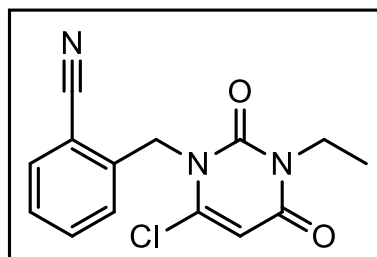
Chemical Name : 2-((6-Chloro-3-ethyl-2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)methyl)benzonitrile

CAT No : ALL-ALO- 2062

CAS No : 1430222-06-2

Molecular Formula : C₁₄H₁₂ClN₃O₂

Molecular Weight : 289.7



Analytical Information

Batch Code	: ALL-ALE- 2062	HPLC Purity	: 97.83 %
Solubility	: MeOH: ACN	Potency	: 96.65 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.138 %	¹HNMR	: Confirm
Residue Of Ignition	: 0.068 %		

Additional Information

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

$$[100 - (1.138 + 0.068) \times 97.83] / 100 = 96.65 \%$$

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

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