

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY 43

Identification

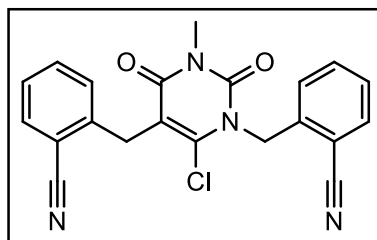
Chemical Name : 2,2'-((6-Chloro-3-methyl-2,4-dioxo-3,4-dihydropyrimidine-1,5(2H)-diyl)bis(methylene))dibenzonitrile Shipping Temperature: Ambient

CAT No : ALL-ALO- 4590

CAS No : 2716884-59-0

Molecular Formula : C₂₁H₁₅ClN₄O₂

Molecular Weight : 390.8



Analytical Information

Batch Code	: ALL-ALE- 4590	HPLC Purity	: 98.07 %
Solubility	: MeOH: ACN	Potency	: 96.88 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.124 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.083 %		

Additional Information

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

$$[100 - (1.124 + 0.083) \times 98.07] / 100 = 96.88 \%$$

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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