

Analysis Date: 14-01-2025

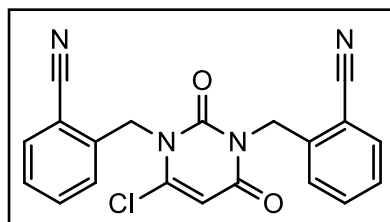
Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY 23

Identification
Chemical Name : 2,2'-((6-Chloro-2,4-dioxypyrimidine-1,3(2H,4H)-diyl)bis(methylene))dibenzonitrile

CAT No : ALL-ALO- 4293

CAS No : 1618644-29-3

Molecular Formula : C₂₀H₁₃CIN₄O₂
Molecular Weight : 376.8

Analytical Information

Batch Code	: ALL-ALE- 4293	HPLC Purity	: 98.58 %
Solubility	: MeOH: ACN	Potency	: 97.36 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.154 %	¹H NMR	: Confirm
Residue Of Ignition	: 0.074 %		

Additional Information

%Potency = [100 - (Residue % + Water %) × Chromatographic Purity%]/100 =
 [100 - (1.154+0.074) × 98.58]/100 = 97.36 %

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