

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY 2

Identification

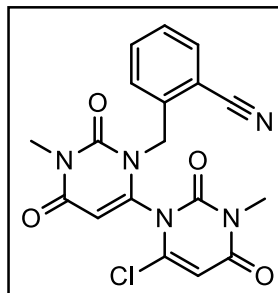
Chemical Name : 2-((6-Chloro-1',3-dimethyl-2,2',4,6'-tetraoxo-1',3,4,6'-tetrahydro-2H-[1,4'-bipyrimidin]-3'(2'H)-yl)methyl)benzonitrile

CAT No : ALL-ALO- 1306

CAS No : N.A

Molecular Formula : C₂₆H₂₅N₅O₅

Molecular Weight : 487.5



Analytical Information

Batch Code	: ALL-ALE- 1306	HPLC Purity	: 98.02 %
Solubility	: MeOH: ACN	Potency	: 96.82 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.185 %	¹HNMR	: Confirm
Residue Of Ignition	: 0.035 %		

Additional Information

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

$$[100 - (1.185+0.035) \times 98.02]/100 = 96.82 \%$$

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