

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY 52

Identification

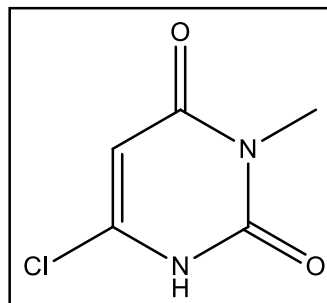
Chemical Name : 6-Chloro-3-methylpyrimidine-2,4(1H,3H)-dione

CAT No : ALL-ALO- 8563

CAS No : 4318-56-3

Molecular Formula : C₅H₅ClN₂O₂

Molecular Weight : 160.6



Analytical Information

Batch Code	: ALL-ALE- 8563	HPLC Purity	: 98.52 %
Solubility	: MeOH: ACN	Potency	: 97.38 %
Appearance of Product	: Off White Solid	Mass	: Confirm
Long Term Storage	: 2-8 ⁰ C	IR Analysis	: Confirm
Water Content By TGA	: 1.142 %	¹ HNMR	: Confirm
Residue Of Ignition	: 0.014 %		

Additional Information

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

$$[100 - (1.142+0.014) \times 98.52]/100 = 97.38 \%$$

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