

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

ALOGLIPTIN IMPURITY 1

Identification

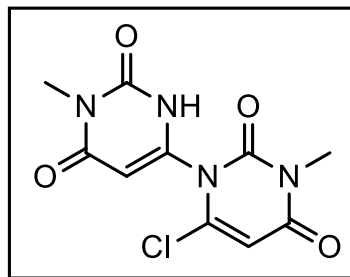
Chemical Name : 6-Chloro-1',3-dimethyl-2H-[1,4'-bipyrimidine]-2,2',4,6'(1'H,3H,3'H)-tetraone

CAT No : ALL-ALO- 9938

CAS No : 2468009-93-8

Molecular Formula : C₁₀H₉ClN₄O₄

Molecular Weight : 284.66



Analytical Information

| | | | |
|------------------------------|----------------------|--------------------------|-----------|
| Batch Code | : ALL-ALE- 9938 | HPLC Purity | : 98.21 % |
| Solubility | : MeOH: ACN | Potency | : 96.94 % |
| Appearance of Product | : Off White Solid | Mass | : Confirm |
| Long Term Storage | : 2-8 ⁰ C | IR Analysis | : Confirm |
| Water Content By TGA | : 1.142 % | ¹H NMR | : Confirm |
| Residue Of Ignition | : 0.031 % | | |

Additional Information

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

$$[100 - (1.142 + 0.031) \times 98.21] / 100 = 96.94 \%$$

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