

Analysis Date: 14-01-2025

Re-test Date: 14-01-2028

## ALOGLIPTIN IMPURITY 32

### Identification

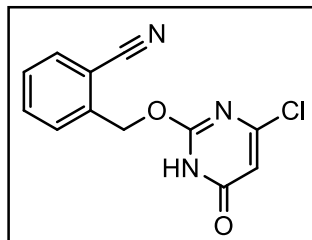
**Chemical Name** : 2-(((4-Chloro-6-oxo-1,6-dihydropyrimidin-2-yl)oxy)methyl)benzonitrile

**CAT No** : ALL-ALO- 8302

**CAS No** : N.A

**Molecular Formula** : C<sub>12</sub>H<sub>8</sub>ClN<sub>3</sub>O<sub>2</sub>

**Molecular Weight** : 261.7



### Analytical Information

|                              |                      |                         |           |
|------------------------------|----------------------|-------------------------|-----------|
| <b>Batch Code</b>            | : ALL-ALE- 8302      | <b>HPLC Purity</b>      | : 98.40 % |
| <b>Solubility</b>            | : MeOH: ACN          | <b>Potency</b>          | : 97.21 % |
| <b>Appearance of Product</b> | : Off White Solid    | <b>Mass</b>             | : Confirm |
| <b>Long Term Storage</b>     | : 2-8 <sup>0</sup> C | <b>IR Analysis</b>      | : Confirm |
| <b>Water Content By TGA</b>  | : 1.172 %            | <b><sup>1</sup>HNMR</b> | : Confirm |
| <b>Residue Of Ignition</b>   | : 0.036 %            |                         |           |

### Additional Information

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

[100 – (1.172+0.036) × 98.40]/100 = 97.21 %

**Recommendation** : Released

|                          | Department | Name                                   | Signature |
|--------------------------|------------|--|-----------|
| Prepared and Reviewed by | Analytical | Mr. Swapnil Kausatkar<br>Jr. Executive |           |
| Approved By              | QA&QC      | Dr. Ashish Keche<br>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