

**Analysis Date:** 14-01-2025

**Re-test Date:** 14-01-2028

## **ALOGLIPTIN IMPURITY 43**

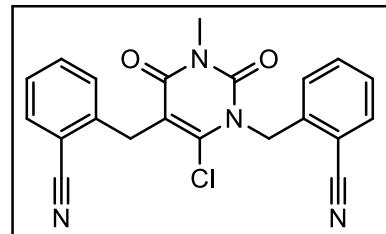
### **Identification**

**Chemical Name** : 2,2'-(6-Chloro-3-methyl-2,4-dioxo-3,4-dihdropyrimidine-1,5(2H)-dyl)bis(methylene)dibenzonitrile Shipping Temperature: Ambient

**CAT No** : ALL-ALO- 4590

**CAS No** : 2716884-59-0

**Molecular Formula** : C<sub>21</sub>H<sub>15</sub>ClN<sub>4</sub>O<sub>2</sub>



**Molecular Weight** : 390.8

### **Analytical Information**

<b>Batch Code</b>	: ALL-ALE- 4590	<b>HPLC Purity</b>	: 98.07 %
<b>Solubility</b>	: MeOH: ACN	<b>Potency</b>	: 96.88 %
<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>	: 1.124 %	<b>1HNMR</b>	: Confirm
<b>Residue Of Ignition</b>	: 0.083 %		

### **Additional Information**

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

[100 - (1.124+0.083) × 98.07]/100 = 96.88 %

**Recommendation** : Released

<b>Department</b>	<b>Name</b>	<b>Signature</b>
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**

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