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## CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2025

Re-test Date: Jan 2028

**Product Name: Alogliptin impurity 14**

**Identification:**

Chemical Name: (R)-2-((6-(3-aminopiperidin-1-yl)-3-methyl-2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)methyl)benzamide

Synonyms : Alogliptin Carbamoyl Impurity;  
Alogliptin amide impurity;  
Alogliptin Related Compound 14

CAS Number : 1820685-30-0

CAT Number : CP-A13008

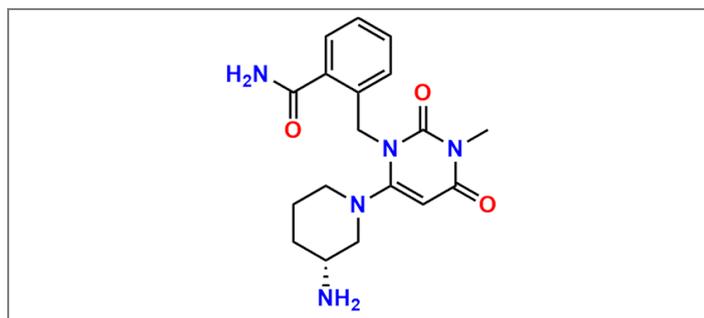
Molecular Formula : C<sub>18</sub>H<sub>23</sub>N<sub>5</sub>O<sub>3</sub>

Molecular Weight : 357.41

Batch Number : CP-ALO-14-0225

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



**Analytical Information:**

Sr. No.	Test	Result
1)	Description	Yellow Slightly Hygroscopic Solid
2)	Solubility	Soluble in Methanol/ DMSO
3)	MASS By LCMS	Confirm to Structure
4)	Purity by HPLC	93.70%
5)	<sup>1</sup> HNMR	Confirm to Structure
6)	<sup>13</sup> CNMR	Confirm to Structure
7)	IR	Confirm to Structure
8)	Weight loss by TGA	-
9)	Potency by TGA	-



**Prepared and Reviewed By**

A handwritten signature in blue ink, appearing to be "Priyanka Salunkhe".

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

A handwritten signature in blue ink, appearing to be "Rohini Gagare".

Ms Rohini Gagare  
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.