

Registered Address: Chemicea Pharmaceuticals Pvt Ltd, Platinum Springs,  
Unit No- A- 205&206 Second floor, Plot No: G-6, G-20 to G 24, Talaja- MIDC, Opp. Dena Bank  
Navi Mumbai 410208, MH, INDIA. Email- [info@chemicea.com](mailto:info@chemicea.com) Mob- +91 9284897978

## CERTIFICATE OF ANALYSIS

Analysis Date: Apr 2025

Re-test Date: Mar 2028

**Product Name: Linagliptin Dimer Impurity 2**

### Identification:

Chemical Name: 8-((R)-3-aminopiperidin-1-yl)-1-((4-((2-((8-((R)-3-aminopiperidin-1-yl)-7-(but-2-yn-1-yl)-3-methyl-2,6-dioxo-2,3,6,7-tetrahydro-1H-purin-1-yl)methyl)-4-methyl-1,4-dihydroquinazolin-4-yl)methyl)quinazolin-2-yl)methyl)-7-(but-2-yn-1-yl)-3-methyl-3,7-dihydro-1H-purine-2,6-dione

Synonyms : Linagliptin Methyl Dimer

CAS Number : 1418133-47-7

CAT Number : CP-L1014

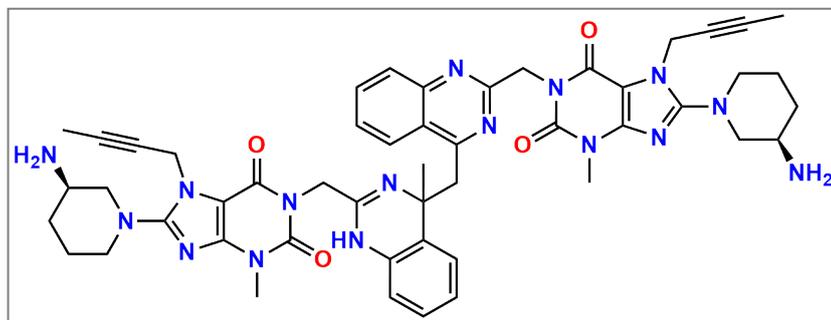
Molecular Formula : C<sub>50</sub>H<sub>56</sub>N<sub>16</sub>O<sub>4</sub>

Molecular Weight : 945.11

Batch Number : CP-LIN-DIM2-0325

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       | Off White to Pale Yellow Solid |
| 2)      | Solubility        | Soluble in Methanol/DMSO       |
| 3)      | MASS By LCMS      | Confirm to structure           |
| 4)      | Purity By HPLC    | 93.46%                         |
| 5)      | <sup>1</sup> HNMR | Confirm to structure           |



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Quality Control)

**Approved By**

Ms Rohini Gagare  
(Quality Assurance)

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