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## CERTIFICATE OF ANALYSIS

Analysis Date: Nov 2024

Re-test Date: Oct 2027

**Product Name: Linagliptin EP Impurity A**

### Identification:

Chemical Name: (S)-8-(3-aminopiperidin-1-yl)-7-(but-2-yn-1-yl)-3-methyl-1-((4-methylquinazolin-2-yl)methyl)-3,7-dihydro-1H-purine-2,6-dione

Synonyms : Linagliptin S-Isomer

CAS Number : 668270-11-9

CAT Number : CP-L1012

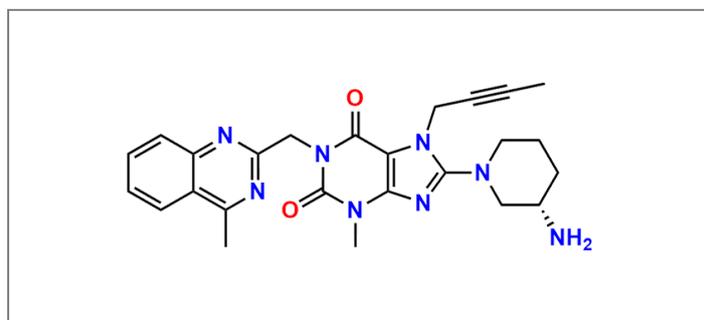
Molecular Formula : C<sub>25</sub>H<sub>28</sub>N<sub>8</sub>O<sub>2</sub>

Molecular Weight : 472.54

Batch Number : CHEM-LIN-10

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        | Orange Solid             |
| 2)      | Solubility         | Soluble in Methanol/DMSO |
| 3)      | MASS By LCMS       | Confirm to structure     |
| 4)      | Purity By HPLC     | 90.63%                   |
| 5)      | <sup>1</sup> H NMR | Confirm to structure     |
| 6)      | Weight loss by TGA | 0.03%                    |
| 7)      | Potency by TGA     | 90.6%                    |



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.