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CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2024

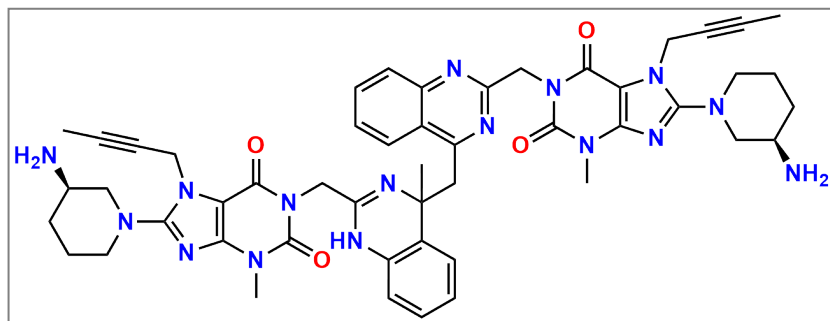
Re-test Date: Nov 2027

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 : NA
CAS Number : 1418133-47-7
CAT Number : CP-L1014
Molecular Formula : C₅₀H₅₆N₁₆O₄
Molecular Weight : 945.11
Batch Number : CP-LIN-DIM2-1124



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	Brown Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	94.43%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to Structure
7)	Weight loss by TGA	2.860%
8)	Potency by TGA	91.57%



Prepared and Reviewed By

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

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

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

Ms Rohini Gagare
(QA Head)

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