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CERTIFICATE OF ANALYSIS

Analysis Date: Oct 2025

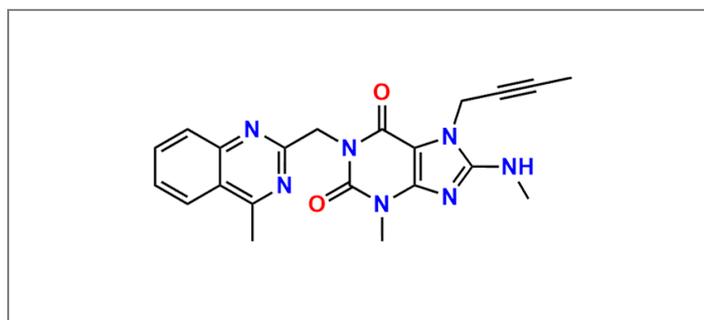
Re-test Date: Sep 2028

Product Name: Linagliptin Impurity 49

Identification:

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

Synonyms : NA
CAS Number : 2468656-63-3
CAT Number : CP-L1006
Molecular Formula : C₂₁H₂₁N₇O₂
Molecular Weight : 403.44
Batch Number : CHEM-LIN-49



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 Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.70%
5)	¹ H NMR	Confirm to structure
6)	IR	Confirm to Structure
7)	Weight loss by TGA	0.34 %
8)	Potency by TGA	98.36%



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.