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CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2022

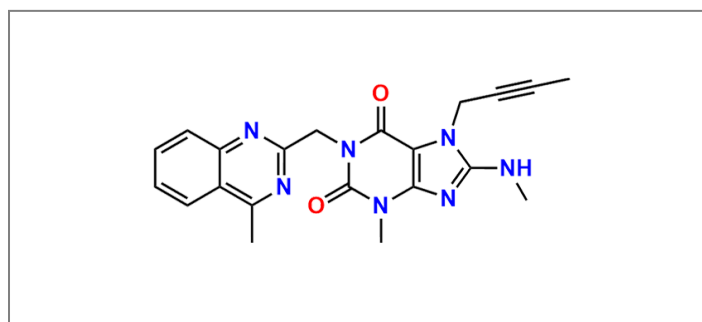
Re-test Date: Nov 2025

Product Name: Linagliptin Impurity 49

Identification:

Chemical Name: 7-(But-2-yn-1-yl)-3-methyl-8-(methylamino)-1-((4-methylquinazolin-2-yl)methyl)-1H-purine-2,6(3H,7H)-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	98.81%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



Prepared and Reviewed By

Ms Priyanka Salunkhe
(Manager QC Analytical)

Approved By

Ms Rohini Gagare
(QA Head)

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