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CERTIFICATE OF ANALYSIS

Analysis Date: Dec 2022

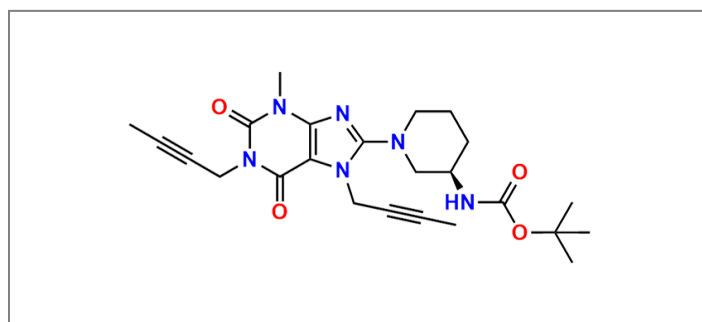
Re-test Date: Nov 2025

Product Name: Linagliptin Impurity 22

Identification:

Chemical Name: Tert-butyl (R)-(1-(1,7-di(but-2-yn-1-yl)-3-methyl-2,6-dioxo-2,3,6,7-tetrahydro-1H-purin-8-yl)piperidin-3-yl)carbamate

Synonyms : NA
CAS Number : 2518331-40-1
CAT Number : CP-L1003
Molecular Formula : C₂₄H₃₂N₆O₄
Molecular Weight : 468.56
Batch Number : CHEM-LIN-22
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	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.74%
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.