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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Linagliptin N-Aminoacyl Impurity**

**Identification:**

Chemical Name: 8-[(3R)-3-Aminocarbonylamino-1-piperidinyl]-7-(2-butyn-1-yl)-3,7-dihydro-3-methyl-1-[(4-methyl-2-quinazoliny)methyl]-1H-purine-2,6-dione

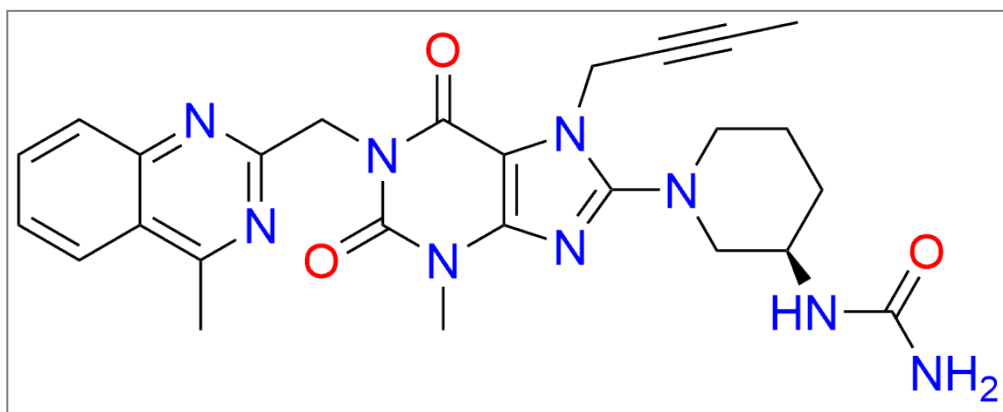
Synonyms : NA

CAS Number : 1955514-80-3

CAT Number : CP-L1019

Molecular Formula : C<sub>26</sub>H<sub>29</sub>N<sub>9</sub>O<sub>3</sub>

Molecular Weight : 515.57



**Analytical Information:**

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	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.