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## CERTIFICATE OF ANALYSIS

Analysis Date: May 2023

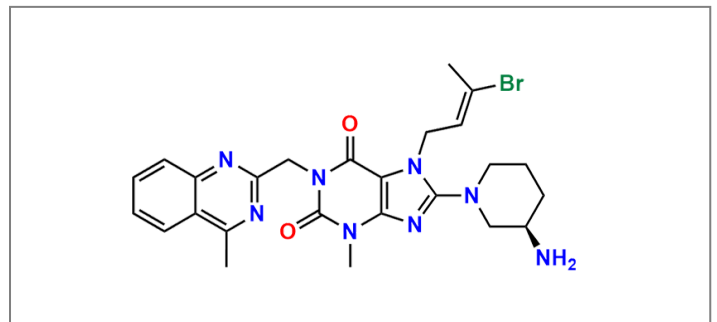
Re-test Date: Apr 2026

**Product Name: Linagliptin Bromo Impurity**

### Identification:

Chemical Name: (R, E)-8-(3-Aminopiperidin-1-yl)-7-(3-bromobut-2-en-1-yl)-3-methyl-1-((4- methylquinazolin-2-yl) methyl)-1H-purine-2, 6(3H, 7H)-dione

Synonyms : NA  
CAS Number : 1446263-39-3  
CAT Number : CP-L1022  
Molecular Formula : C<sub>25</sub>H<sub>29</sub>BrN<sub>8</sub>O<sub>2</sub>  
Molecular Weight : 553.47  
Batch Number : CHEM-LIN-BRO  
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	Light Green Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	94.91%
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.