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### CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: N-Nitroso Linagliptin Impurity 3**

#### Identification:

Chemical Name: (R)-8-(3-Aminopiperidin-1-yl)-7-(but-2-yn-1-yl)-3-methyl-1-nitroso-3,7-dihydro-1H-purine-2,6-dione

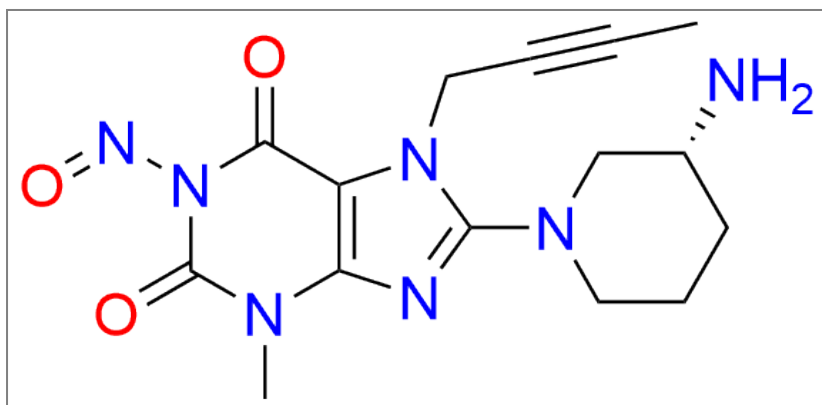
Synonyms : NA

CAS Number : NA

CAT Number : CP-L1027

Molecular Formula : C<sub>15</sub>H<sub>19</sub>N<sub>7</sub>O<sub>3</sub>

Molecular Weight : 345.36



#### 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.