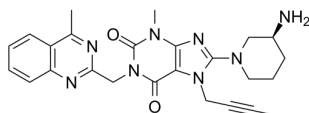


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	(S)-8-(3-Aminopiperidin-1-yl)-7-(but-2-yn-1-yl)-3-methyl-1-((4-methylquinazolin-2-yl)methyl)-3,7-dihydro-1H-purine-2,6-dione (Linagliptin Impurity)
<b>Cat. No.:</b>	1325969
<b>CAS No.:</b>	668270-11-9
<b>Molecular Formula:</b>	C <sub>25</sub> H <sub>28</sub> N <sub>8</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	472.54
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Le1130110823
<b>Storage:</b>	2-8°C, protect from light
<b>Mfg. Date:</b>	2021-11-30
<b>Retest Date:</b>	2024-11-29
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	Yellow to brown (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>LCMS:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥97.0%
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

**Caution: Research use only and are not intended for human use.**

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