

# CERTIFICATE OF ANALYSIS

(Certificate No. KML010004-01)

Release Date: 27/07/2025

Re-test Date: 26/07/2028

## Linagliptin

### Identification

**Chemical Name :**

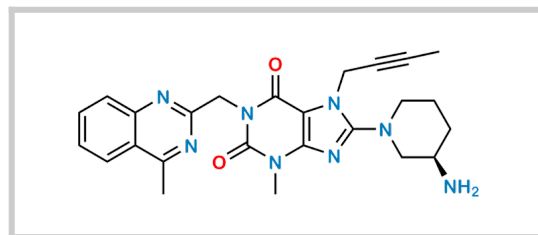
(R)-8-(3-aminopiperidin-1-yl)-7-(but-2-yn-1-yl)-3-methyl-1-((4-methylquinazolin-2-yl)methyl)-3,7-dihydro-1H-purine-2,6-dione; ONDERO; Tradjenta; Trazenta; 1H-Purine-2,6-dione, 8-[(3R)-3-amino-1-piperidinyl]-7-(2-butylnyl)-3,7-dihydro-3-methyl-1-[(4-methyl-2-quinazolinyl)methyl]- (9CI);

CAT No. : KML010004

CAS No. : 668270-12-0

Molecular Formula : C<sub>25</sub>H<sub>28</sub>N<sub>8</sub>O<sub>2</sub>

Molecular Weight : 472.6



### Analytical Information

Batch No. : L010004-102-164

Description : White Solid

HPLC Purity : 99.53 %

Weight Loss By TGA : 1.39 %

% Potency : 98.15 %

Solubility : ACN : WATER (1:1)

Mass : Confirm

IR : Confirm

<sup>1</sup>H NMR : Confirm

<sup>13</sup>C NMR : Confirm

### Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 1.39(Weight Loss By TGA)] x [99.53(HPLC Purity)]/100 = 98.15 %

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		27/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		27/07/2025

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, <sup>13</sup>CNMR, IR and TGA