CERTIFICATE OF ANALYSIS

(Certificate No. KML010004-03)

Release Date: 05/11/2026 **Re-test Date:** 04/11/2029

Linagliptin Standard

Identification

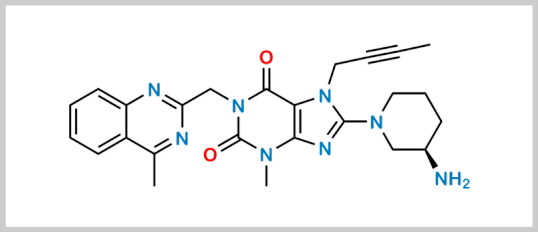
Chemical Name :
(R)-8-(3-aminopiperidin-1-yl)-7-(but-2-yn-1-yl)-3-methyl-1-((4-methylquinazolin-2-yl)methyl)-3,7-dihydro-1H-purine-2,6-dione; ONDERO; Tradjenta; Trazenta; 1H-Purine-2,6-dione, 8-[(3R)-3-amino-1-piperidinyl]-7-(2-butynyl)-3,7-dihydro-3-methyl-1-[(4-methyl-2-quinazolinyl)methyl]- (9CI);

CAT No. : KML010004

CAS No. : 668270-12-0

Molecular Formula : C25H28N8O2

Molecular Weight : 472.6



Analytical Information

Batch No.	: L010004-136-343	**Solubility**	: ACN : Water (1:1)
Description	: White Soild	**Mass**	: Confirm
HPLC Purity	: 99.43 %	**IR**	: Confirm
Weight Loss By TGA	: 0.46 %	**1H NMR**	: Confirm
% Potency	: 98.97 %	**13C 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 - 0.46(Weight Loss By TGA)] x [99.43(HPLC Purity)]/100 = 98.97 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		05/11/2026
Reviewed & Approved By	Quality Control	Jatin Patel		05/11/2026

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA