

CERTIFICATE OF ANALYSIS

(Certificate No. KMV013002-01)

Release Date: 05/04/2023

Re-test Date: 04/04/2026

N-Nitroso Vildagliptin Amide Impurity

Identification

Chemical Name :

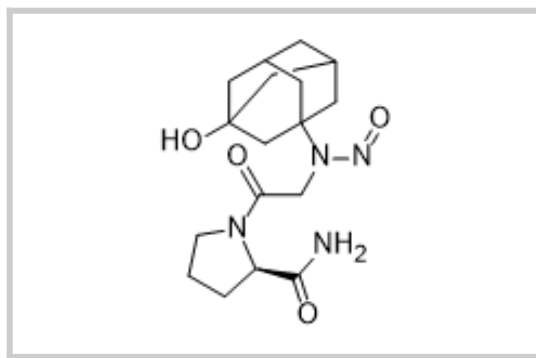
(2R)-1-(2-((3-hydroxyadamantan-1-yl)(nitroso)amino)acetyl) pyrrolidine-2-carboxamide

CAT No. : KMV013002

CAS No. : Not Available

Molecular Formula : C₁₇H₂₆N₄O₄

Molecular Weight : 350.41



Analytical Information

Batch No. : VIL-AMIDE-N-NO-045-094

Description : Off White Solid

HPLC Purity : 99.96 %

Weight Loss By TGA : 3.31 %

% Potency : 96.65 %

Solubility : ACN

Mass : Confirm

IR : Confirm

¹H 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 = $[100 - 3.31(\text{Weight Loss By TGA})] \times [99.96(\text{HPLC Purity})]/100 = 96.65 \%$

Remarks : COA Re-generated on 03.08.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		03/08/2024
Reviewed & Approved By	Quality Control	Jatin Patel		03/08/2024

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA