

CERTIFICATE OF ANALYSIS

(Certificate No. KMV013003-01)

Release Date: 05/04/2023

Re-test Date: 04/04/2026

N-Nitroso Analogue of Vildagliptin Carboxylic Acid Impurity

Identification

Chemical Name :

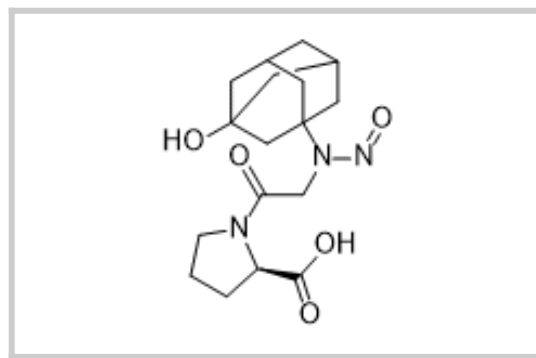
N-((1r,3R,5R,7S)-3-Hydroxyadamantan-1-yl)-N-nitrosoglycyl-L-proline

CAT No. : KMV013003

CAS No. : Not Available

Molecular Formula : C₁₇H₂₅N₃O₅

Molecular Weight : 351.40



Analytical Information

Batch No. : VIL-ACID-N-NO-045-095

Description : Off White Solid

HPLC Purity : 94.26 %

Weight Loss By TGA : 2.28 %

% Potency : 92.11 %

Solubility : ACN : Water (1:1)

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 = $[100 - 2.28(\text{Weight Loss By TGA})] \times [94.26(\text{HPLC Purity})]/100 = 92.11 \%$

Remarks : COA Re-generated on 03.08.2024

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		09/12/2024
Reviewed & Approved By	Quality Control	Jatin Patel		09/12/2024

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