

# **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 :**

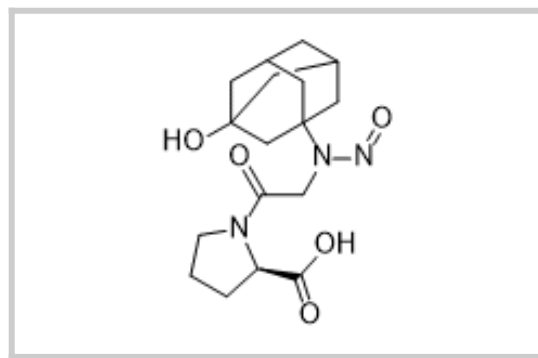
N-((1r,3R,5R,7S)-3-Hydroxyadamantan-1-yl)-N-nitrosoglycyl-L-proline

**CAT No.** : KMV013003

**CAS No.** : Not Available

**Molecular Formula** : C<sub>17</sub>H<sub>25</sub>N<sub>3</sub>O<sub>5</sub>

**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

**<sup>1</sup>H 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(Weight Loss By TGA)] x [94.26(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, <sup>1</sup>HNMR, IR and TGA