

CERTIFICATE OF ANALYSIS

(Certificate No. KMV013004-02)

Release Date: 10/09/2024

Re-test Date: 09/09/2027

N-Nitroso Vildagliptin Methyl Ester Impurity

Identification

Chemical Name :

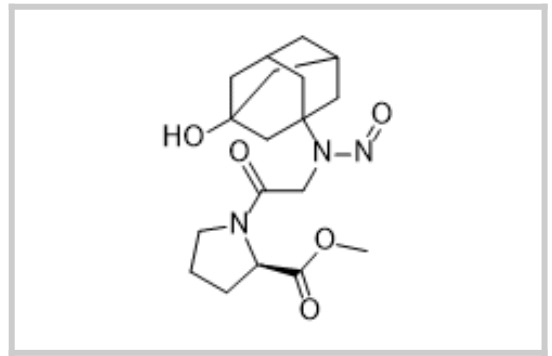
(2R)-methyl 1-(2-((3-hydroxyadamantan-1-yl)(nitroso)amino)acetyl)pyrrolidine-2-carboxylate

CAT No. : KMV013004

CAS No. : Not Available

Molecular Formula : C₁₈H₂₇N₃O₅

Molecular Weight : 365.42



Analytical Information

Batch No. : V013004-073-372

Description : Brown Solid

HPLC Purity : 96.01 %

Weight Loss By TGA : 0.57 %

% Potency : 95.46 %

Solubility : Acetonitrile

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 - 0.57(Weight Loss By TGA)] x [96.01(HPLC Purity)]/100 = 95.46 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		10/09/2024
Reviewed & Approved By	Quality Control	Jatin Patel		10/09/2024

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