

# CERTIFICATE OF ANALYSIS

(Certificate No. KMV013005-02)

Release Date: 03/10/2024

Re-test Date: 02/10/2027

## Vildagliptin R Isomer

### Identification

**Chemical Name :**

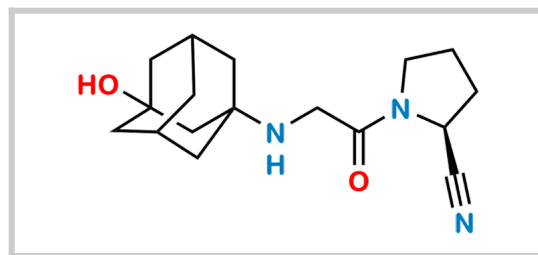
(R)-1-(((1r,3S,5R,7S)-3-Hydroxyadamantan-1-yl)glycyl)pyrrolidine-2-carbonitrile

CAT No. : KMV013005

CAS No. : 1036959-27-9

Molecular Formula : C<sub>17</sub>H<sub>25</sub>N<sub>3</sub>O<sub>2</sub>

Molecular Weight : 303.4



### Analytical Information

Batch No. : V013005-073-401

Description : White Solid

HPLC Purity : 96.01 %

Weight Loss By TGA : 4.93 %

% Potency : 91.28 %

Solubility : Water

Mass : Confirm

IR : Confirm

<sup>1</sup>H NMR : Confirm

<sup>13</sup>C 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 - 4.93(Weight Loss By TGA)] x [96.01(HPLC Purity)]/100 = 91.28 %

-<sup>13</sup>C NMR Analysis added on 27.02.2025

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		27/02/2025
Reviewed & Approved By	Quality Control	Jatin Patel		27/02/2025

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, <sup>13</sup>CNMR, IR and TGA