

# CERTIFICATE OF ANALYSIS

(Certificate No. KMV013023-01)

Release Date: 05/10/2024

Re-test Date: 04/10/2027

## Vildagliptin Carboxylic Acid Methyl Ester

### Identification

**Chemical Name :**

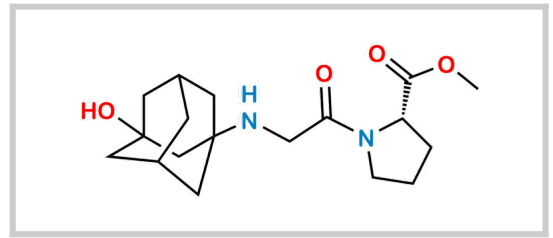
(2S)-1-[2-[(3-Hydroxytricyclo[3.3.1.1<sup>3,7</sup>]dec-1-yl)amino]acetyl]-2-pyrrolidine carboxylic acid methyl ester

CAT No. : KMV013023

CAS No. : 948574-56-9

Molecular Formula : C<sub>18</sub>H<sub>28</sub>N<sub>2</sub>O<sub>4</sub>

Molecular Weight : 336.4



### Analytical Information

Batch No. : V013023-073-402

Description : Light Yellow Hygroscopic Semi Solid

HPLC Purity : 99.28 %

Weight Loss By TGA : 2.90 %

% Potency : 96.4 %

Solubility : Methanol

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 - 2.90(Weight Loss By TGA)] x [99.28(HPLC Purity)]/100 = 96.4 %

Recommendation : Released

|                        | Department      | Name          | Signature | Date       |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By            | Analytical      | Jignesh Patel |           | 05/10/2024 |
| Reviewed & Approved By | Quality Control | Jatin Patel   |           | 05/10/2024 |

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