CERTIFICATE OF ANALYSIS

(Certificate No. KMV013005-02)

Release Date: 03/10/2024 **Re-test Date:** 02/10/2027

Vildagliptin R Isomer

Identification

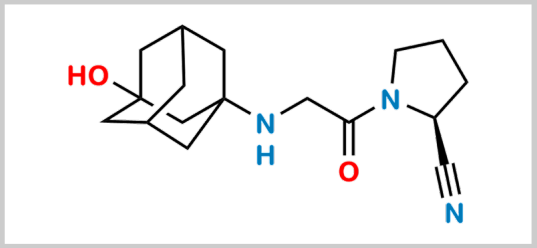
Chemical Name :
(R)-1-(((1r,3S,5R,7S)-3-Hydroxyadamantan-1-yl)glycyl)pyrrolidine-2-carbonitrile

CAT No. : KMV013005

CAS No. : 1036959-27-9

Molecular Formula : C17H25N3O2

Molecular Weight : 303.4



Analytical Information

Batch No.	: V013005-073-401	**Solubility**	: Water
Description	: White Solid	**Mass**	: Confirm
HPLC Purity	: 96.01 %	**IR**	: Confirm
Weight Loss By TGA	: 4.93 %	**1H NMR**	: Confirm
% Potency	: 91.28 %	**13C 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 %
-13C 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, 1HNMR, 13CNMR, IR and TGA