CERTIFICATE OF ANALYSIS

(Certificate No. KMV013039-01)

Release Date: 28/02/2025 **Re-test Date:** 27/02/2028

Vildagliptin Impurity D

Identification

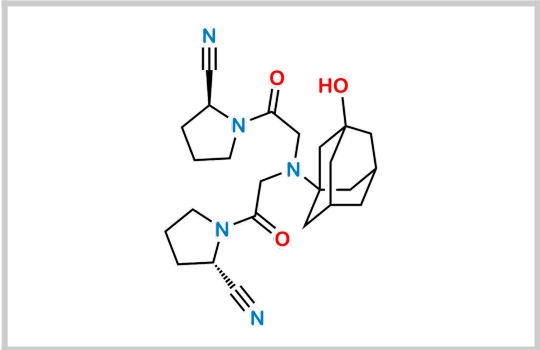
Chemical Name :
(2S,2'S)-1,1'-(2,2'-(((1r,3R,5R,7S)-3-Hydroxyadamantan-1-yl)azanediyl)bis(acetyl))bis(pyrrolidine-2-carbonitrile)

CAT No. : KMV013039

CAS No. : 1036959-23-5

Molecular Formula : C24H33N5O3

Molecular Weight : 439.5



Analytical Information

Batch No.	: V013039-091-236	**Solubility**	: Acetonitrile
Description	: Off White Solid	**Mass**	: Confirm
HPLC Purity	: 99.70 %	**IR**	: Confirm
Weight Loss By TGA	: 0.38 %	**1H NMR**	: Confirm
% Potency	: 99.32 %	**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 - 0.38(Weight Loss By TGA)] x [99.70(HPLC Purity)]/100 = 99.32 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		28/02/2025
Reviewed & Approved By	Quality Control	Jatin Patel		28/02/2025

Attachments : COA, HPLC, MASS, 1HNMR, 13CNMR, IR and TGA