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CERTIFICATE OF ANALYSIS

Analysis Date: Feb 2024

Re-test Date: Jan 2027

Product Name: Vildagliptin Dimer Impurity

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)

Synonyms : Vildagliptin IP Impurity D

CAS Number : 1036959-23-5

CAT Number : CP-V1002

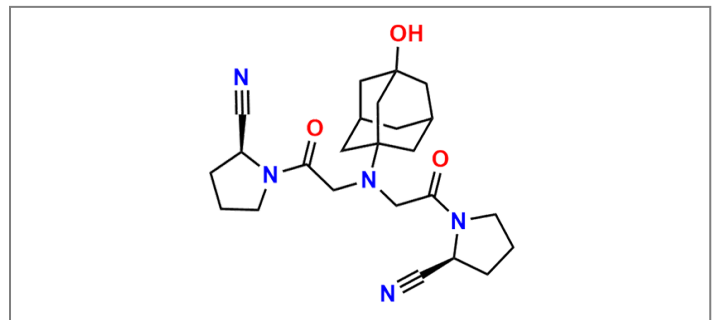
Molecular Formula : C₂₄H₃₃N₅O₃

Molecular Weight : 439.56

Batch Number : CHEM-VIL-B-0209-001

Storage Condition : Tightly closed, Inert atmosphere at 2 to 8° C

Shipping condition : All Products are stable to be shipped at room temperature, if specific condition required it is mention in the COA



Analytical Information:

Sr. No.	Test	Result
1)	Description	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	98.24%
5)	¹ HNMR	Confirm to structure
6)	Weight loss by TGA	-
7)	Potency by TGA	-



Prepared and Reviewed By

Mr. Shubham Bondre
(Quality Control)

Approved By

Mr. Abhijit Kale
(Quality Assurance)

Note: Product supplied by Chemicea are for R&D purpose only and not for human consumptions.