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## CERTIFICATE OF ANALYSIS

Analysis Date: May 2023

Re-test Date: Apr 2025

**Product Name: Vildagliptin Imine Impurity**

### Identification:

Chemical Name: 2-(3-hydroxy adamantan-1-yl)-1-imino-hexahydro-pyrrolo[1,2-a]pyrazine-4-one

Synonyms : Vildagliptin Cyclo Imidamide ;  
Vildagliptin Mono keto Impurity

CAS Number : 1789703-37-2

CAT Number : CP-V1008

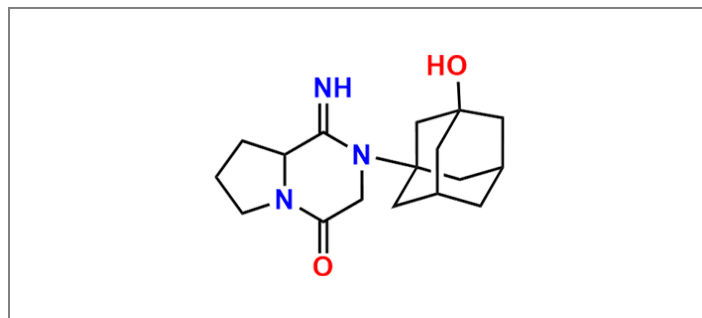
Molecular Formula : C<sub>17</sub>H<sub>25</sub>N<sub>3</sub>O<sub>2</sub>

Molecular Weight : 303.41

Batch Number : CP-VIL-MK-0523

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	Off White Highly Hygroscopic Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	99.46%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure



**Prepared and Reviewed By**

Ms Priyanka Salunkhe  
(Manager QC Analytical)

**Approved By**

Ms Rohini Gagare  
(QA Head)

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