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## CERTIFICATE OF ANALYSIS

Analysis Date:

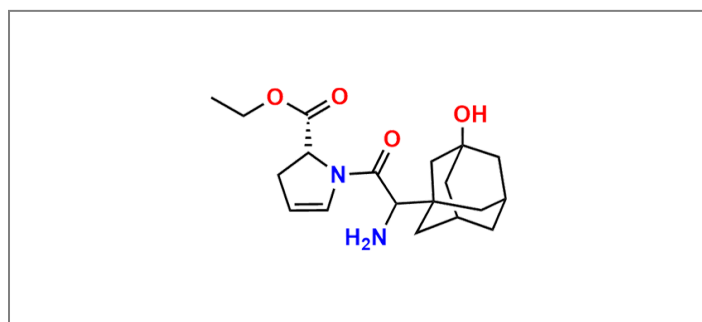
Re-test Date:

**Product Name: Vildagliptin Impurity 23**

### Identification:

Chemical Name: ethyl (R)-1-((R)-2-amino-2-((1R,3S,5R,7S)-3-hydroxyadamantan-1-yl)acetyl)-2,3-dihydro-1H-pyrrole-2-carboxylate

Synonyms : NA  
CAS Number : NA  
CAT Number : CP-V1112  
Molecular Formula : C<sub>19</sub>H<sub>28</sub>N<sub>2</sub>O<sub>4</sub>  
Molecular Weight : 348.44



### Analytical Information:

Sr. No.	Test	Result
1)	Description	Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	MASS By LCMS	Confirm to structure
4)	Purity By HPLC	>95%
5)	H1NMR	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.