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CERTIFICATE OF ANALYSIS

Analysis Date:

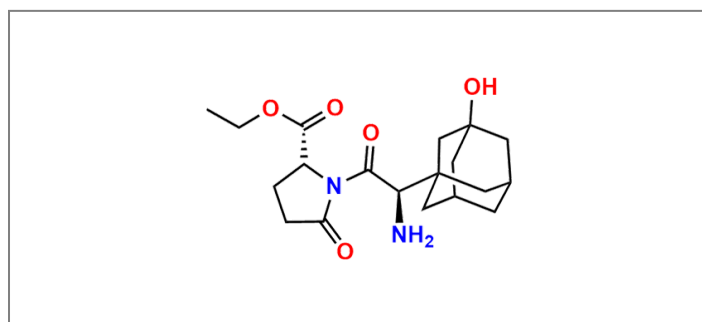
Re-test Date:

Product Name: Vildagliptin Impurity 22

Identification:

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

Synonyms : NA
CAS Number : NA
CAT Number : CP-V1113
Molecular Formula : C₁₉H₂₈N₂O₅
Molecular Weight : 364.44



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.