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## CERTIFICATE OF ANALYSIS

Analysis Date:

Re-test Date:

**Product Name: Vildagliptin Impurity 78**

### Identification:

Chemical Name: (2R)-1-(2-hydroxy-2-(((1r,3S,5R,7S)-3-hydroxyadamantan-1-yl)amino)acetyl)pyrrolidine-2-carbonitrile

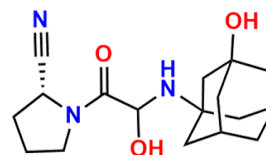
Synonyms : NA

CAS Number : NA

CAT Number : CP-V1120

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

Molecular Weight : 319.41



### 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.