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## CERTIFICATE OF ANALYSIS

Analysis Date: May 2026

Re-test Date: Apr 2029

**Product Name: Sitagliptin FP Impurity A**

### Identification:

Chemical Name: 2-[(R)-4-Oxo-4-{3-(trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl}-1-(2,4,5-trifluorophenyl)butan-2-yl]amino}succinic acid (as per USP)

Synonyms : Sitagliptin Fumarate Adduct ;  
Sitagliptin Maleate Adduct ;  
Sitagliptin succinyl ; N-succinyl  
sitagliptin (USP)

CAS Number : 2088771-60-0

CAT Number : CP-S3013

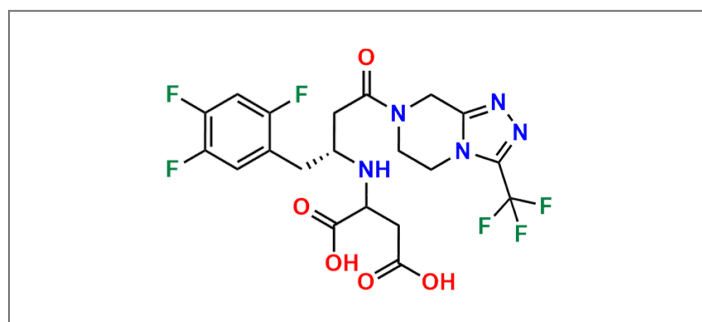
Molecular Formula : C<sub>20</sub>H<sub>19</sub>F<sub>6</sub>N<sub>5</sub>O<sub>5</sub>

Molecular Weight : 523.39

Batch Number : CP-SIT-FPA-0526

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 Solid          |
| 2)      | Solubility         | Soluble in Methanol/DMSO |
| 3)      | Mass Spectrometry  | Confirm to structure     |
| 4)      | Purity By HPLC     | 97.20%                   |
| 5)      | <sup>1</sup> HNMR  | Confirm to structure     |
| 6)      | <sup>13</sup> CNMR | Confirm to Structure     |
| 7)      | FT-IR              | Confirm to Structure     |
| 8)      | Weight loss by TGA | 4.149%                   |
| 9)      | Potency            | 93.17%                   |



**Prepared and Reviewed By**

A handwritten signature in black ink, appearing to read 'Shubham Bondre', written over a horizontal line.

Mr. Shubham Bondre  
(Quality Control)

**Approved By**

A handwritten signature in black ink, appearing to read 'Abhijit Kale', written over a horizontal line.

Mr. Abhijit Kale  
(Quality Assurance)

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