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CERTIFICATE OF ANALYSIS

Analysis Date: Jun 2026

Re-test Date: May 2029

Product Name: Sitagliptin FP Impurity C

Identification:

Chemical Name: (E)-1-{{3-(Trifluoromethyl)-5,6-dihydro-[1,2,4]triazolo[4,3-a]pyrazin-7(8H)-yl}}-4-(2,4,5-trifluorophenyl)but-3-en-1-one (as per USP)

Synonyms : Sitagliptin Styrylacetyl Analog
(USP) ; 3-Desamino-3,4-Dehydro
Sitagliptin

CAS Number : 1803026-58-5

CAT Number : CP-S3006

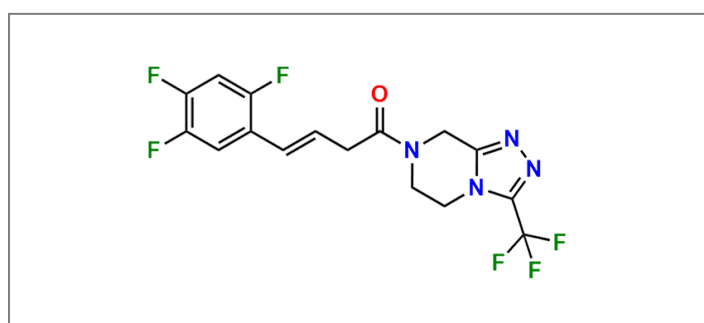
Molecular Formula : C₁₆H₁₂F₆N₄O

Molecular Weight : 390.29

Batch Number : CP-SIT-FPC-0626

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	White Solid
2)	Solubility	Soluble in Methanol/DMSO
3)	Mass Spectrometry	Confirm to structure
4)	Purity By HPLC	99.26%
5)	¹ H NMR	Confirm to structure
6)	¹³ C NMR	Confirm to Structure
7)	FT-IR	Confirm to Structure
8)	Weight loss by TGA	0.586%
9)	Potency	98.68%



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.