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## CERTIFICATE OF ANALYSIS

Analysis Date: Mar 2025

Re-test Date: Feb 2028

### Product Name: Sitagliptin FP Impurity D

#### Identification:

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

Synonyms : Sitagliptin Phenylcrotonyl  
Analog (USP) ; 3-Desamino-2,3-  
Dehydro Sitagliptin

CAS Number : 1253056-18-6

CAT Number : CP-S3036

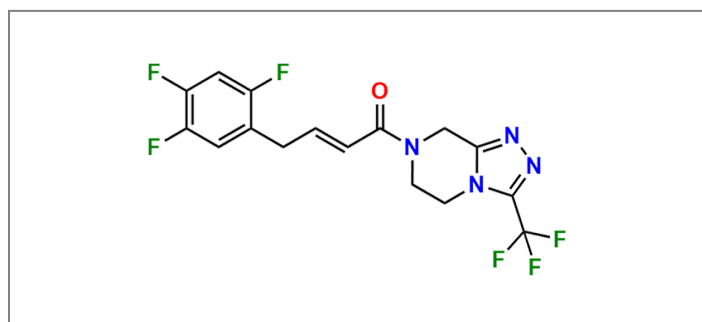
Molecular Formula : C<sub>16</sub>H<sub>12</sub>F<sub>6</sub>N<sub>4</sub>O

Molecular Weight : 390.29

Batch Number : CP-SIT-FPD-0524

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 By LCMS	Confirm to structure
4)	Purity By HPLC	98.67%
5)	H1NMR	Confirm to structure
6)	Weight loss by TGA	1.650%
7)	Potency by TGA	97.04%



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.