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## CERTIFICATE OF ANALYSIS

Analysis Date: Aug 2023

Re-test Date: Jul 2026

**Product Name: Sitagliptin FP Impurity B**

### Identification:

Chemical Name: (R)-10-(2,4,5-Trifluorobenzyl)-3-(trifluoromethyl)-6,7,10,11-tetrahydro-[1,2,4]triazolo[3,4-c][1,4,7]triazecine-8,12(5H,9H)-dione

Synonyms : Sitagliptin Triazecine Analog

CAS Number : 2088771-61-1

CAT Number : CP-S3002

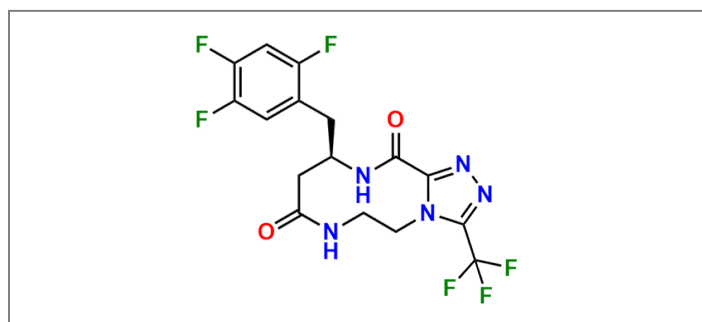
Molecular Formula : C<sub>16</sub>H<sub>13</sub>F<sub>6</sub>N<sub>5</sub>O<sub>2</sub>

Molecular Weight : 421.30

Batch Number : CP-SIT-FPB-0823

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	95.67%
5)	H1NMR	Confirm to structure
6)	13CNMR	Confirm to structure
7)	Weight loss by TGA	0.899%
8)	Potency by TGA	94.77%



**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.