CERTIFICATE OF ANALYSIS

(Certificate No. KMS010150-02)

Release Date: 21/11/2025 **Re-test Date:** 20/11/2028

Sitagliptin Ketoamide Impurity

Identification

Chemical Name:

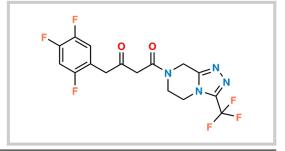
(2Z)-4-Oxo-4-[3-(trifluoroMethyl)-5,6-dihydro-[1,2,4] triazolo[4,3-a]pyrazine-7(8H)-yl]-1-(2,4,5-trifluorophenyl)butan-2-one;

Alt. Name : Sitagliptin dioxo impurity

CAT No. : KMS010150 **CAS No.** : 764667-65-4

Molecular Formula : C16H12F6N4O2

Molecular Weight : 406.3



Analytical Information

: S010150-114-012 Batch No. **Solubility** : Acetonitrile **Description** : Light Yellow Solid Mass : Confirm **HPLC Purity** : 96.90 % IR : Confirm Weight Loss By TGA : 1.85 % 1H NMR : Confirm

% Potency : 95.11 %

Additional Information

Long Term Storage : Store at 2-8 deg. C for long term storage

Shipping Condition : Product is stable to be Shipped at Room Temperature

% Potency = [100 - 1.85(Weight Loss By TGA)] x [96.90(HPLC Purity)]/100 = 95.11 %

Recommendation : Released

| | Department | Name | Signature | Date |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By | Analytical | Jignesh Patel | | 21/11/2025 |
| Reviewed & Approved By | Quality Control | Jatin Patel | | 21/11/2025 |

Attachments : COA, HPLC, MASS, 1HNMR, IR and TGA