

CERTIFICATE OF ANALYSIS

(Certificate No. KMS010001-02)

Release Date: 16/09/2024

Re-test Date: 15/09/2027

7-Nitroso-3-(trifluoromethyl)-5,6,7,8-tetrahydro[1,2,4]triazolo-[4,3-a]pyrazine (NTPP)

Identification

Chemical Name :

7-nitroso-3-(trifluoromethyl)-5,6,7,8-tetrahydro-[1,2,4]triazolo[4,3-a]pyrazine

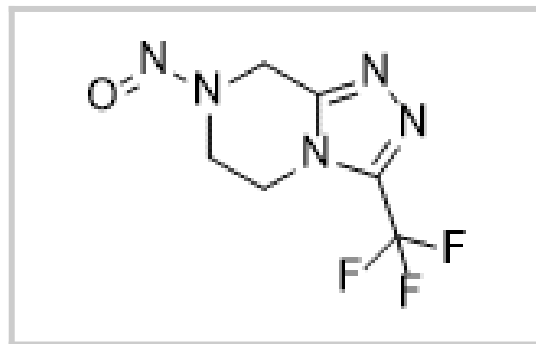
Alt. Name : Sitagliptin KSM Nitroso

CAT No. : KMS010001

CAS No. : 2892260-32-9

Molecular Formula : C₆H₆F₃N₅O

Molecular Weight : 221.14



Analytical Information

Batch No. : S010001-073-379

Solubility : Acetonitrile

Description : Off White Solid

Mass : Confirm

HPLC Purity : 99.97 %

IR : Confirm

Weight Loss By TGA : 0.01 %

¹H NMR : Confirm

% Potency : 99.96 %

¹³C NMR : Confirm

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 - 0.01(Weight Loss By TGA)] x [99.97(HPLC Purity)]/100 = 99.96 %

Recommendation : Released

| | Department | Name | Signature | Date |
|------------------------|-----------------|---------------|-----------|------------|
| Prepared By | Analytical | Jignesh Patel | | 25/01/2025 |
| Reviewed & Approved By | Quality Control | Jatin Patel | | 25/01/2025 |

Attachments : COA, HPLC, MASS, ¹HNMR, ¹³CNMR, IR and TGA