

CERTIFICATE OF ANALYSIS

(Certificate No. KMB002022-01)

Release Date: 23/12/2024

Re-test Date: 22/12/2027

1'N-NITROSOBIOTIN

Identification

Chemical Name :

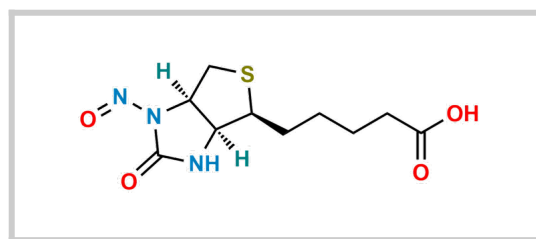
5-((3aS,4S,6aR)-1-nitroso-2-oxohexahydro-1H-thieno[3,4-d]imidazol-4-yl)pentanoic acid

CAT No. : KMB002022

CAS No. : 56859-26-8

Molecular Formula : C₁₀H₁₅N₃O₄S

Molecular Weight : 273.3



Analytical Information

Batch No. : B002022-091-098

Description : Off White Solid

HPLC Purity : 96.06 %

Weight Loss By TGA : 0.42 %

% Potency : 95.66 %

Solubility : Acetonitrile

Mass : Confirm

IR : Confirm

¹H 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 - 0.42(Weight Loss By TGA)] x [96.06(HPLC Purity)]/100 = 95.66 %

Recommendation : Released

| | Department | Name | Signature | Date |
|------------------------|-----------------|-------------|-----------|------------|
| Prepared By | Analytical | Parag Patel | | 24/12/2024 |
| Reviewed & Approved By | Quality Control | Jatin Patel | | 24/12/2024 |

Attachments : COA, HPLC, MASS, ¹H NMR, IR and TGA