

# CERTIFICATE OF ANALYSIS

(Certificate No. KMB002022-02)

Release Date: 26/04/2025

Re-test Date: 25/04/2028

## 1'N-NITROSOBIOTIN

### Identification

**Chemical Name :**

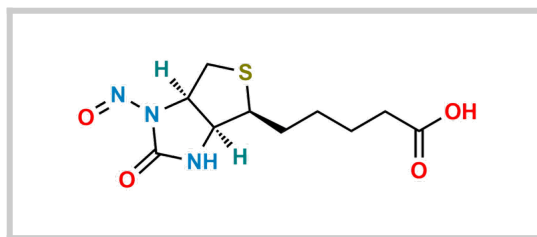
5-((3aS,4S,6aR)-1-nitroso-2-oxohexahydro-1H-thieno[3,4-d]imidazol-4-yl)pentanoic acid

CAT No. : KMB002022

CAS No. : 56859-26-8

Molecular Formula : C<sub>10</sub>H<sub>15</sub>N<sub>3</sub>O<sub>4</sub>S

Molecular Weight : 273.3



### Analytical Information

Batch No. : B002022-091-359

Description : Light Brown Solid

HPLC Purity : 96.48 %

Weight Loss By TGA : 0.46 %

% Potency : 96.04 %

Solubility : ACN : Water (1:1)

Mass : Confirm

IR : Confirm

<sup>1</sup>H 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 - 0.46(Weight Loss By TGA)] x [96.48(HPLC Purity)]/100 = 96.04 %

Recommendation : Released

	Department	Name	Signature	Date
Prepared By	Analytical	Jignesh Patel		18/07/2025
Reviewed & Approved By	Quality Control	Jatin Patel		18/07/2025

Attachments : COA, HPLC, MASS, <sup>1</sup>HNMR, IR and TGA