

1. Identification

Catalogue Number

B389050

Lot Number

6-RIT-3-2

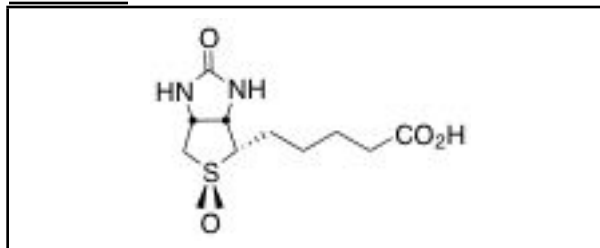
Product Name

(+)-Biotin (+)-Sulfoxide

Synonyms

(3aS,4S,5S,6aR)-Hexahydro-2-oxo-1H-Thieno[3,4-d]imidazole-4-pentanoic Acid 5-Oxide; [3aS-(3aα,4β,5α,6aα)]-Hexahydro-2-oxo-1H-Thieno[3,4-d]imidazole-4-pentanoic Acid 5-Oxide; (+)-Biotin 5-Oxide; Biotin D-S-oxide; Biotin (+)-Sulfoxide; Biotin d-Sulfoxide; D-Biotin-d-sulfoxide

Structure



CAS Number

10406-89-0

Solubility

Acetonitrile (Slightly), DMSO (Slightly)

Shipping Condition

This Product Is Stable To Be Shipped At Room Temperature

Molecular Formula

C₁₀H₁₆N₂O₄S

Source of Product

Synthetic

Long Term Storage Conditions

4°C, Hygroscopic

Molecular Weight

260.31

Purity

97%

2. Warnings

Hygroscopic

3. Analytical Information

Tests

Appearance

Specifications

White to Off-White Solid

Results

White Solid

NMR

Conforms to Structure

Conforms

Elemental Analysis

Conforms

%C: 45.58, %H: 6.10, %N: 10.39

HPLC Purity

Report Result

100.00% (ELSD)

MS

Conforms to Structure

Conforms

Additional Information

N/A

Purity is based on the analytical results of the tests performed. NMR and Elemental Analysis (if available) may have an accuracy of ± 2%. Isotopic purity is based on mass distribution observed. The contents of the specifications are subject to change without advance notice, and the specification values displayed here are the most up to date values.

4. Signatures

Reviewed by



Neha Khanna

Product Quality Specialist

Reviewed by



Toni Rantanen

Manager, Quality Assurance

C of A Approved by



Chanell Chu

Quality Assurance Associate

Test Date

8/19/2024

Retest Date

8/17/2031