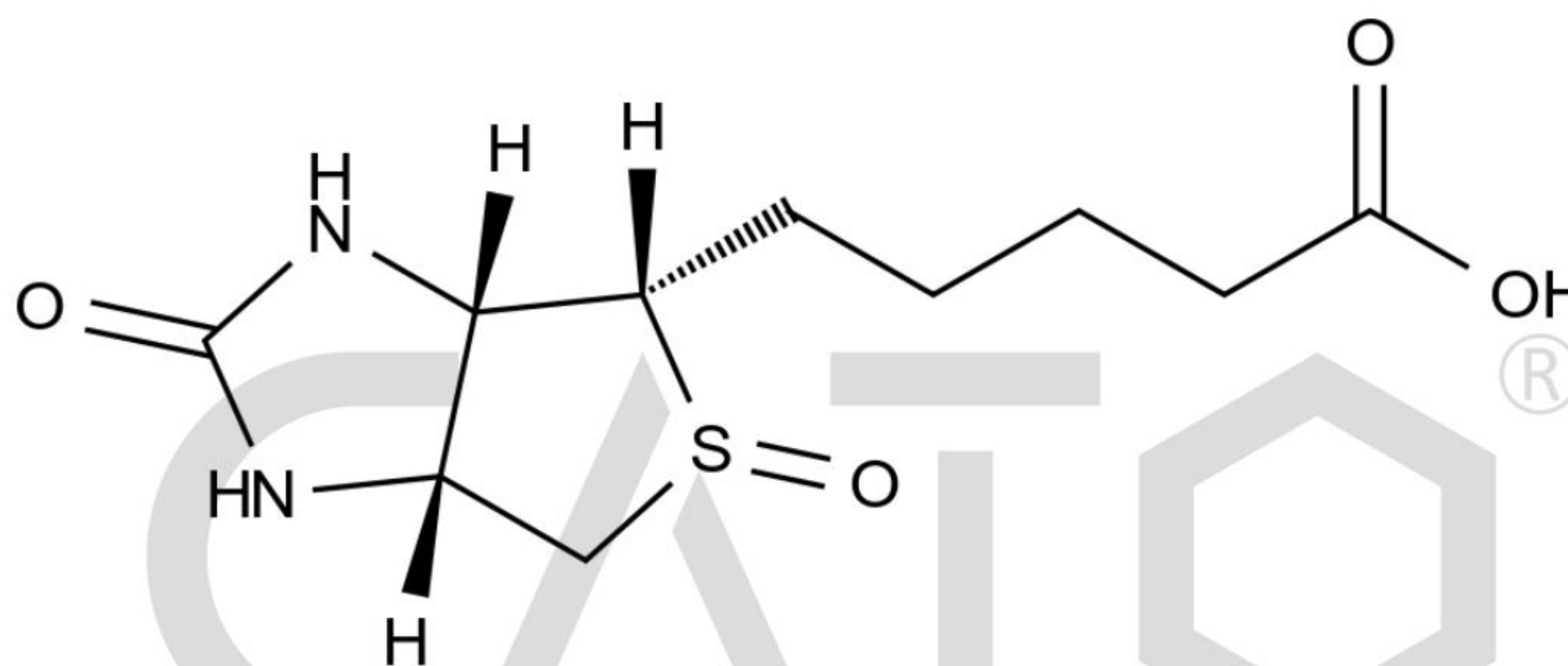


Certificate of Analysis

Reference Material & Standard

Product Name:	Biotin impurity 19	Catalogue Number:	C4X-156319
Synonyms:	N/A	Lot Number:	0917-RH-0106
CAS Number:	23015-53-4	Expiry Date:	Sep 23, 2030
Molecular Formula:	C ₁₀ H ₁₆ N ₂ O ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	260.31	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	ELSD	91.594%
Loss on Drying	TGA	0.6910%
Assay		91.0%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity ELSD (%) / 100%

Loss on Drying is considered as absolute effect, ELSD purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Sep 24, 2026

Date: Sep 24, 2026

Date: Sep 24, 2026



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