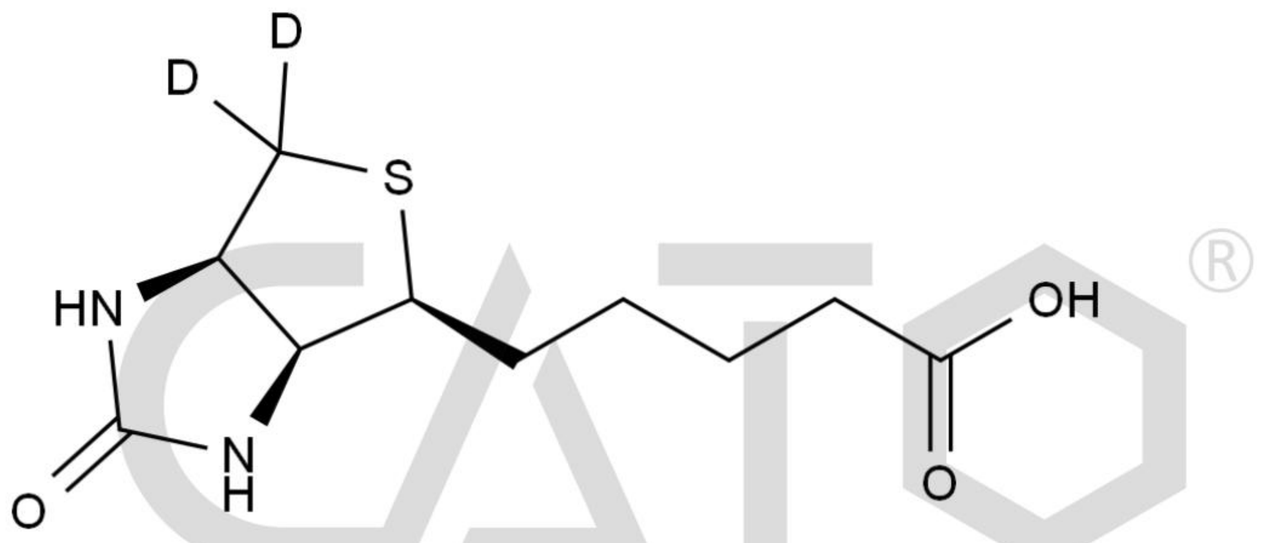
Certificate of Analysis

Reference Material & Standard

Product Name:	Biotin-d2	**Catalogue Number:**	CCFD201427
Synonyms:	N/A	**Lot Number:**	0918-RH-0018
CAS Number:	1217481-41-8	**Expiry Date:**	Sep 28, 2028
Molecular Formula:	$C_{10}H_{14}D_2N_2O_3S$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	246.32	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	ELSD	99.6%
Isotopic Purity		98.50%(D2: 97.01%; D1: 2.99%; D0: 0.00%)
Uncertainty		±0.1%

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Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: Lisa Date: Sep 30, 2026

Reviewed by: Hinlam Date: Sep 30, 2026

Approved by General Manager: David Date: Sep 30, 2026

CATO Research Chemicals Inc.