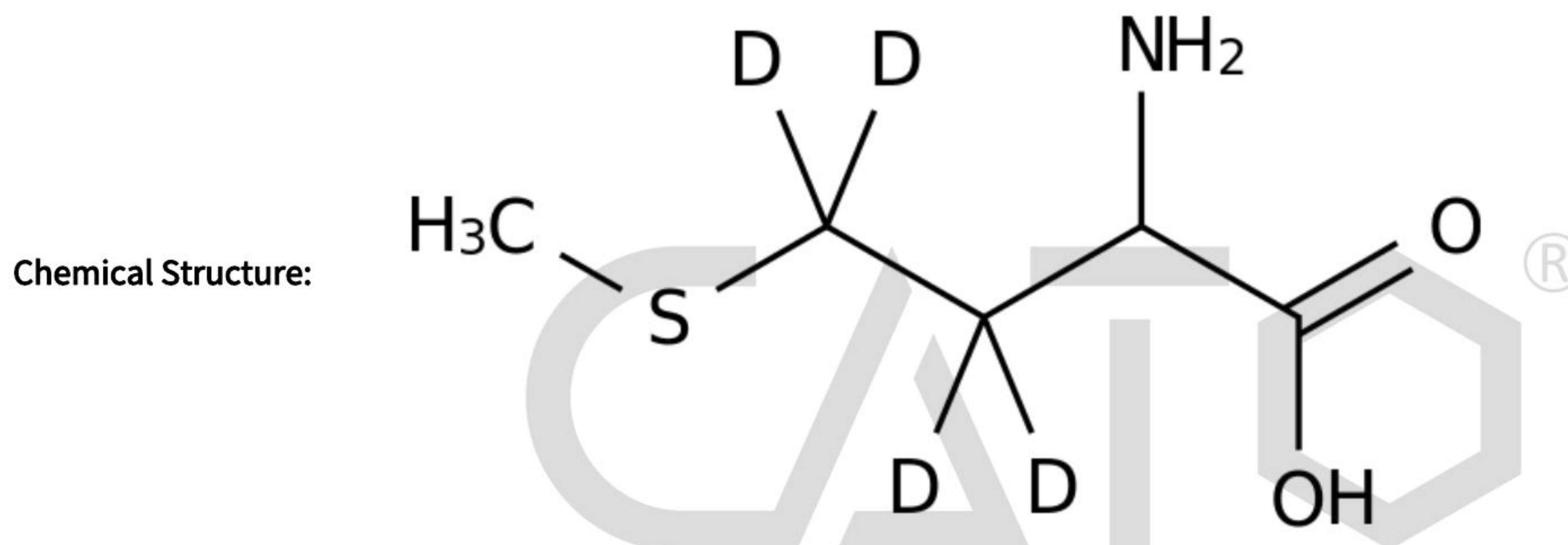


Certificate of Analysis

Reference Material & Standard

Product Name:	(±)-Methionine-d4	Catalogue Number:	CCFD201384
Synonyms:	N/A	Lot Number:	1226-RG-0129
CAS Number:	93709-61-6	Expiry Date:	Apr 01, 2032
Molecular Formula:	C ₅ H ₇ D ₄ NO ₂ S	Storage:	Room Temp Protected from light and Sealed
Molecular Weight:	153.24	Shipping Condition:	Shipping at Room Temperature



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	ELSD	99.9%
Isotopic Purity		99.4%
Uncertainty		±0.1%

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

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Dec 29, 2025

Date: Dec 29, 2025

Date: Dec 29, 2025



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