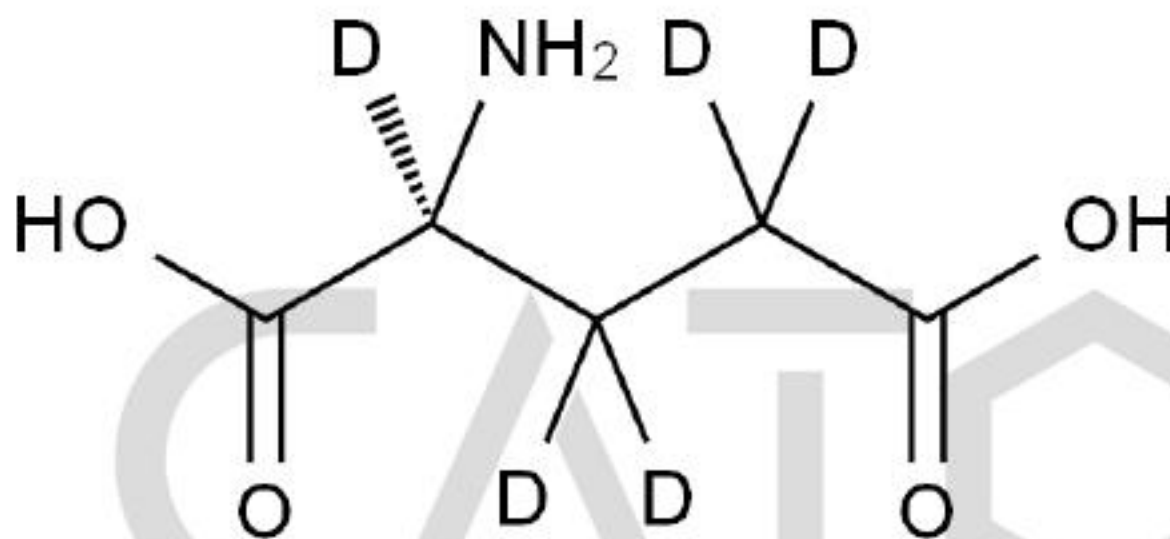


Certificate of Analysis

Reference Material & Standard

Product Name:	L-Glutamic-2,3,3,4,4-d5 Acid	Catalogue Number:	CCFD200697
Synonyms:	N/A	Lot Number:	0520-SA-7625
CAS Number:	2784-50-1	Expiry Date:	May 19, 28
Molecular Formula:	C ₅ H ₄ D ₅ NO ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	152.16		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	96.909%
Uncertainty		±2.0%

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:

Yuki

Approved by General Manager:

David

Date: May 20, 24

Date: May 20, 24

Date: May 20, 24



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Email: supports@cato-chem.com

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Directions:

- 1. Intended use: This product is suitable for identification and quantification of the analyte(s), instrument calibration, method development and quality control in analytical and R&D applications. It is not intended for administration to humans or animals, and shall not be used to diagnose, treat or cure any diseases.*
- 2. Minimum sample size: 1mg is recommended as the minimum sample size.*
- 3. Metrological traceability: This product meets the requirements of ISO 17034 and is traceable to NMI through an unbroken chain of comparisons.*
- 4. Instructions for handling and correct use: Handling in a well-ventilated place.*

Document Version:

Revision No.	Date	Reason for Revision
01	May 20, 24	First release.

