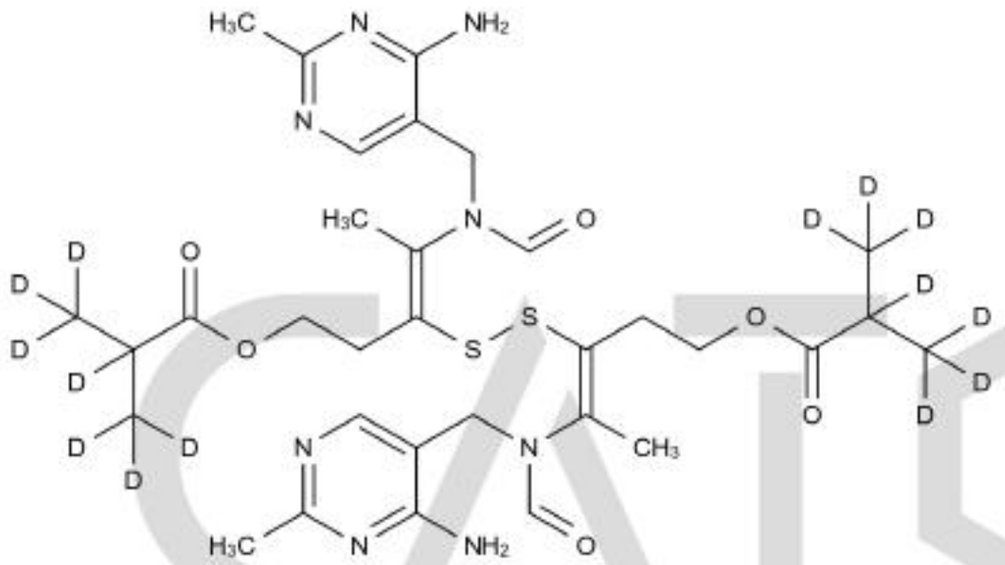
Certificate of Analysis

Reference Material & Standard

Product Name:	Sulbutiamine-d14	**Catalogue Number:**	CCAD304758
Synonyms:	N/A	**Lot Number:**	0103-SA-7501
CAS Number:	N/A	**Expiry Date:**	Jan 02, 30
Molecular Formula:	$C_{32}H_{32}D_{14}N_8O_6S_2$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	716.97		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Solid
Identification:	LC&HNMR	Confirmed
Purity:	HPLC	97.292%
Uncertainty		±2.0%

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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: Jan 03, 26

Reviewed by: Yuki Date: Jan 03, 26

Approved by General Manager: David Date: Jan 03, 26

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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	Jan 03, 26	First release.

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