

# Certificate of Analysis

## Reference Material & Standard

|                    |                                 |                   |                                           |
|--------------------|---------------------------------|-------------------|-------------------------------------------|
| Product Name:      | rac-Liothyronine-15N-13C9       | Catalogue Number: | C4X-21313                                 |
| Synonyms:          | N/A                             | Lot Number:       | 0929-SA-7229                              |
| CAS Number:        | N/A                             | Expiry Date:      | Sep 28, 27                                |
| Molecular Formula: | $13C_9 \ 15N \ C_6H_{12}I_3O_4$ | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 660.90                          |                   |                                           |

Chemical Structure: 

| Test Items      | Method            | Results              |
|-----------------|-------------------|----------------------|
| Appearance      | Visual inspection | Solid                |
| Identification: | LC&HNMR           | Confirmed            |
| Purity:         | HPLC              | 98.370% <sup>®</sup> |

**CATO**  
CATO Research Chemicals Inc.

Signature:

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Date: Sep 29, 23

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Page 1 of 6



## 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           | Sep 29, 23 | First release.      |

