

# Certificate of Analysis

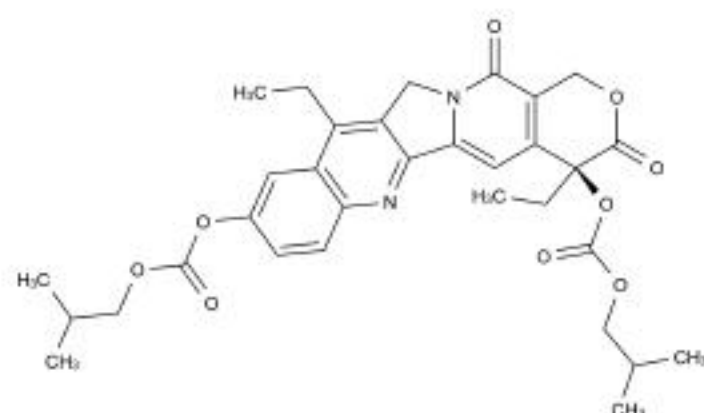
## Reference Material & Standard

|                           |                                                                                                                                                   |                          |                                           |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | (4S)-4,11-Diethyl-3,4,12,14-tetrahydro-3,14-dioxo-1H-pyrano[3',4':6,7]indolizino[1,2-b]quinoline-4,9-diyl bis(2-methylpropyl) Ester Carbonic Acid | <b>Catalogue Number:</b> | C1480752                                  |
| <b>Synonyms:</b>          | N/A                                                                                                                                               | <b>Lot Number:</b>       | 1012-SA-7498                              |
| <b>CAS Number:</b>        | 848078-06-8                                                                                                                                       | <b>Expiry Date:</b>      | Oct 11, 29                                |
| <b>Molecular Formula:</b> | C <sub>32</sub> H <sub>38</sub> N <sub>2</sub> O <sub>9</sub>                                                                                     | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 592.64                                                                                                                                            |                          |                                           |

Warning:



Chemical Structure:



Test Items

Appearance

Identification:

Purity:

Method

Visual inspection

LC&HNMR

HPLC

Results

Solid

Confirmed

96.801%

CATO Research Chemicals Inc.

Signature:

Prepared by:

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*Yuki*

Approved by General Manager:

*David*

Date: Oct 12, 25

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Date: Oct 12, 25



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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           | Oct 12, 25 | First release.      |

