

# Certificate of Analysis

## Reference Material & Standard

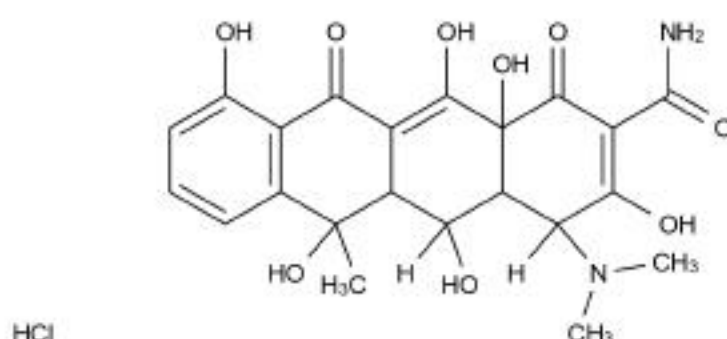
**Product Name:** (4S,5S,6S,12aS)-4-(dimethylamino)-3,5,6,10,12,12a-hexahydroxy-6-methyl-1,11-dioxo-1,4,4a,5,5a,6,11,12a-octahydrotetracene-2-carboxamide hydrochloride  
**Synonyms:** N/A  
**CAS Number:** 423769-22-6  
**Molecular Formula:** C<sub>22</sub>H<sub>28</sub>N<sub>2</sub>O<sub>8</sub>·HCl  
**Molecular Weight:** 460.43 36.46

**Catalogue Number:** C1480963  
**Lot Number:** 1030-SA-7344  
**Expiry Date:** Oct 29, 29  
**Storage:** 2°C ~ 8°C Protected from light and Sealed

**Warning:**



**Chemical Structure:**



## Test Items

**Appearance**

**Identification:**

**Purity:**

## Method

Visual inspection

LC&HNMR

HPLC

## Results

Solid

Confirmed

98.574%

CATO Research Chemicals Inc.

**Signature:**

Prepared by:

*Lisa*

Reviewed by:

*Yuki*

Approved by General Manager:

*David*

Date: Oct 30, 25

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Date: Oct 30, 25



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Official WeChat

## 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 30, 25 | First release.      |

