

# Certificate of Analysis

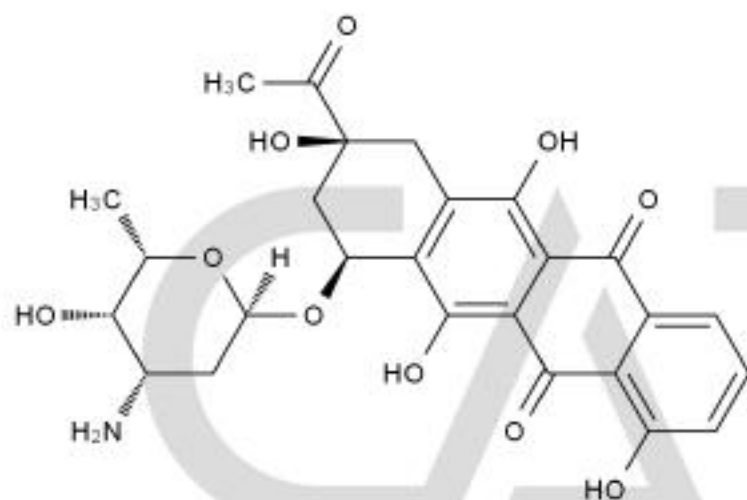
## Reference Material & Standard

|                           |                                                       |                          |                                             |
|---------------------------|-------------------------------------------------------|--------------------------|---------------------------------------------|
| <b>Product Name:</b>      | 4-Demethyl Daunorubicin Hydrochloride (Carubicin HCl) | <b>Catalogue Number:</b> | CP139325                                    |
| <b>Synonyms:</b>          | N/A                                                   | <b>Lot Number:</b>       | 1220-SA-7477                                |
| <b>CAS Number:</b>        | 52794-97-5                                            | <b>Expiry Date:</b>      | Dec 19, 27                                  |
| <b>Molecular Formula:</b> | $C_{26}H_{27}NO_{10} \cdot HCl$                       | <b>Storage:</b>          | -20°C ± 5°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 513.49 36.46                                          |                          |                                             |

Warning:



Chemical Structure:



HCl

| Test Items      | Method            | Results                |
|-----------------|-------------------|------------------------|
| Appearance      | Visual inspection | Light Red to Red Solid |
| Identification: | LC&HNMR           | Confirmed              |
| Purity:         | HPLC              | 98.353%                |

Signature:

Prepared by:

*Lisa*

Reviewed by:

*Yuki*

Approved by General Manager:

*David*

Date: Dec 20, 23

Date: Dec 20, 23

Date: Dec 20, 23



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

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           | Dec 20, 23 | First release.      |

