

# Certificate of Analysis

### Reference Material & Standard

|                           |                                                   |                          |                                           |
|---------------------------|---------------------------------------------------|--------------------------|-------------------------------------------|
| <b>Product Name:</b>      | Thiol-PEG12-acid                                  | <b>Catalogue Number:</b> | C1908214                                  |
| <b>Synonyms:</b>          | N/A                                               | <b>Lot Number:</b>       | 0322-SA-7872                              |
| <b>CAS Number:</b>        | 2211174-73-9                                      | <b>Expiry Date:</b>      | Mar 21, 29                                |
| <b>Molecular Formula:</b> | C <sub>27</sub> H <sub>54</sub> O <sub>14</sub> S | <b>Storage:</b>          | 2°C ~ 8°C Protected from light and Sealed |
| <b>Molecular Weight:</b>  | 634.77                                            |                          |                                           |

**Warning:**



**Chemical Structure:**



| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 97.684%   |

**CATO Research Chemicals Inc.**

**Signature:**

Prepared by:

Lisa

Reviewed by:

Yuki

Approved by General Manager:

David

Date: Mar 22, 25

Date: Mar 22, 25

Date: Mar 22, 25

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

Tel: +86-20-81960175

Email: [supports@cato-chem.com](mailto:supports@cato-chem.com)

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

Page 1 of 6

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           | Mar 22, 25 | First release.      |

