

# Certificate of Analysis

## Reference Material & Standard

|                    |                                 |                   |                                           |
|--------------------|---------------------------------|-------------------|-------------------------------------------|
| Product Name:      | 1,4-Bis(phenylethynyl)benzene   | Catalogue Number: | CIM-105850                                |
| Synonyms:          | N/A                             | Lot Number:       | 0221-SA-7285                              |
| CAS Number:        | 1849-27-0                       | Expiry Date:      | Feb 21, 28                                |
| Molecular Formula: | C <sub>22</sub> H <sub>14</sub> | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | 278.35                          |                   |                                           |

Chemical Structure:



### Test Items

Appearance

Identification:

Purity:

Uncertainty

### Method

Visual inspection

LC&HNMR

HPLC

### Results

Solid

Confirmed

96.880%

±2.0%

## Comment:

**CATO Research Chemicals Inc.**

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

*Lisa*

Reviewed by:

*Yuki*

Approved by General Manager:

*David*

Date: Feb 21, 26

Date: Feb 21, 26

Date: Feb 21, 26



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



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           | Feb 21, 26 | First release.      |

