

# Certificate of Analysis

## Reference Material & Standard

|                    |                                                                                                                                         |                   |                                           |
|--------------------|-----------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | (11bR)-4-Hydroxy-2,6-bis(2,4,6-triisopropylphenyl)-8,9,10,11,12,13,14,15-octahydrodinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphine 4-oxide | Catalogue Number: | CCHM705969                                |
| Synonyms:          | N/A                                                                                                                                     | Lot Number:       | 0909-SA-7635                              |
| CAS Number:        | 929294-27-9                                                                                                                             | Expiry Date:      | Sep 08, 28                                |
| Molecular Formula: | N/A                                                                                                                                     | Storage:          | 2°C ~ 8°C Protected from light and Sealed |
| Molecular Weight:  | N/A                                                                                                                                     |                   |                                           |

Warning:



Chemical Structure: N/A

| Test Items      | Method            | Results   |
|-----------------|-------------------|-----------|
| Appearance      | Visual inspection | Solid     |
| Identification: | LC&HNMR           | Confirmed |
| Purity:         | HPLC              | 98.379%   |
| Uncertainty     |                   | ±2.0%     |

## Comment:

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.

**CATO**  
CATO Research Chemicals Inc.

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Date: Sep 09, 24

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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           | Sep 09, 24 | First release.      |

