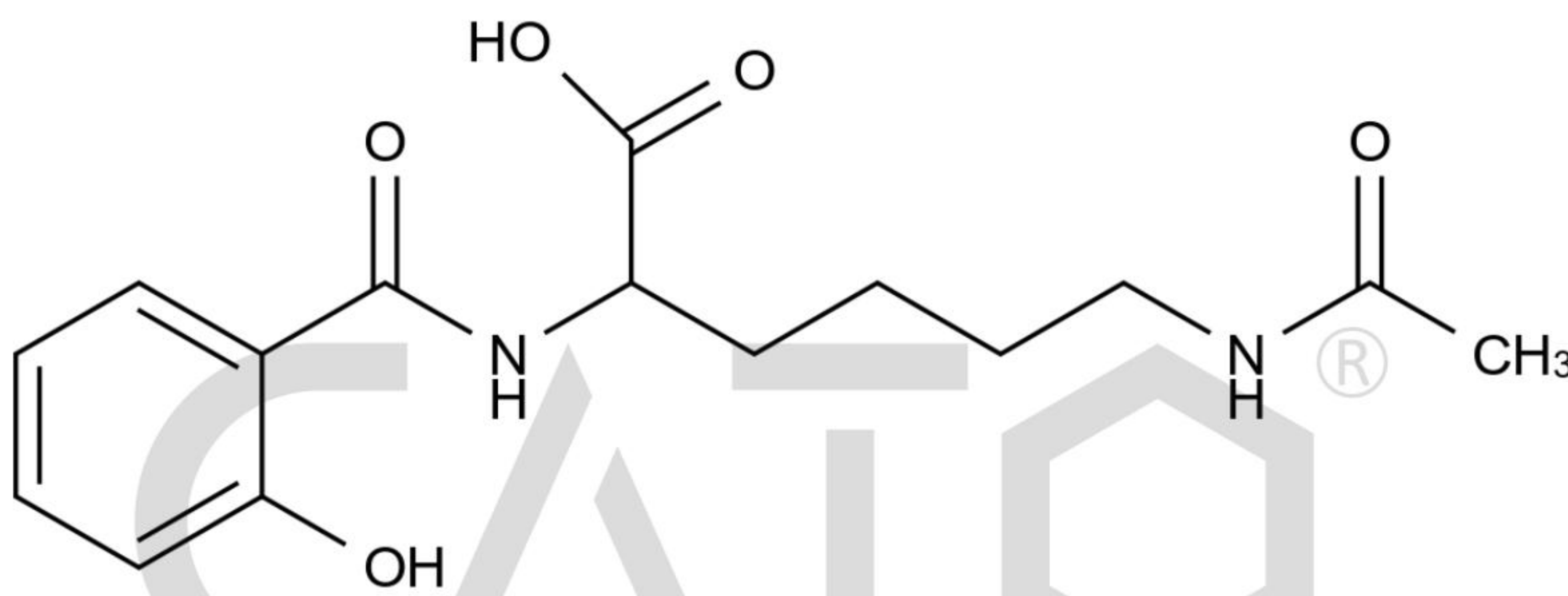


# Certificate of Analysis

## Reference Material & Standard

|                    |                                                               |                   |                                           |
|--------------------|---------------------------------------------------------------|-------------------|-------------------------------------------|
| Product Name:      | DL-Lysine EP Impurity I                                       | Catalogue Number: | C4X-221128                                |
| Synonyms:          | N/A                                                           | Lot Number:       | 0402-RF-0045                              |
| CAS Number:        | N/A                                                           | Expiry Date:      | Feb 22, 2026                              |
| Molecular Formula: | C <sub>15</sub> H <sub>20</sub> N <sub>2</sub> O <sub>5</sub> | Storage:          | -20°C±5°C Protected from light and Sealed |
| Molecular Weight:  | 308.33                                                        |                   |                                           |

Chemical Structure:



| Test Items     | Method            | Results    |
|----------------|-------------------|------------|
| Appearance     | Visual inspection | Pink Solid |
| Identification | LCMS&HNMR         | Confirmed  |
| Purity         | HPLC              | 99.3%      |
| Assay          | qNMR              | 95.3%      |

## Comment:

Assay was determined by quantitative <sup>1</sup>H-NMR.

## Signature:

Prepared by:

*Lily*

Reviewed by:

*Hinlam*

Approved by General Manager:

*David*

Date: Sep 29, 2024

Date: Sep 29, 2024

Date: Sep 29, 2024

