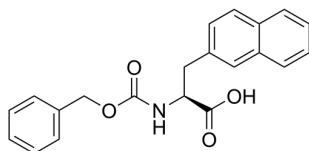


## Certificate of Analysis

### Compound Information

|                            |                                                 |
|----------------------------|-------------------------------------------------|
| <b>Product Name:</b>       | Z-L-2-Nal-OH                                    |
| <b>Cat. No.:</b>           | 1200973                                         |
| <b>CAS No.:</b>            | 65365-16-4                                      |
| <b>Molecular Formula:</b>  | C <sub>21</sub> H <sub>19</sub> NO <sub>4</sub> |
| <b>Molecular Weight:</b>   | 349.38                                          |
| <b>Chemical Structure:</b> |                                                 |



### Batch Information

|                     |                     |
|---------------------|---------------------|
| <b>Batch No.:</b>   | Lf0920169669        |
| <b>Storage:</b>     | Storage temp. 2-8°C |
| <b>Test Date:</b>   | 2022-09-21          |
| <b>Retest Date:</b> | 2025-09-20          |
| <b>Origin:</b>      | Shanghai, China     |

### QC Summary

|                                    |                                                                         |
|------------------------------------|-------------------------------------------------------------------------|
| <b>Appearance:</b>                 | White to off-white (Solid)                                              |
| <b><sup>1</sup>H NMR Spectrum:</b> | Consistent with structure                                               |
| <b>Purity (HPLC):</b>              | 98.60%                                                                  |
| <b>Optical Rotation:</b>           | 28.1° (C=0.98 g/100ml CH <sub>3</sub> COOH)                             |
| <b>Conclusion:</b>                 | The product has been tested and complies with the given specifications. |

**Caution: Research use only and are not intended for human use.**

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