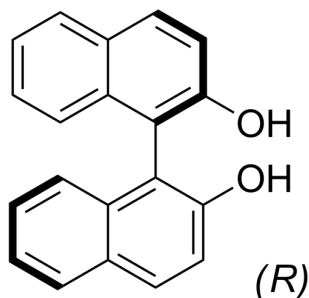


## Certificate of Analysis

### Compound Information

|                            |  |
|----------------------------|--|
| <b>Product Name:</b>       | (R)-(+)-BINOL                                  |
| <b>Cat. No.:</b>           | 1024343  |
| <b>CAS No.:</b>            | 18531-94-7                                     |
| <b>Molecular Formula:</b>  | C <sub>20</sub> H <sub>14</sub> O <sub>2</sub> |
| <b>Molecular Weight:</b>   | 286.32   |
| <b>Chemical Structure:</b> |  |



### Batch Information

|                     |                           |
|---------------------|---------------------------|
| <b>Batch No.:</b>   | Le1210113005              |
| <b>Storage:</b>     | Store at room temperature |
| <b>Test Date:</b>   | 2021-12-10                |
| <b>Retest Date:</b> | 2026-12-09                |
| <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>Optical Rotation:</b>           | Consistent with structure   |
| <b>Purity (NMR):</b>               | ≥97.0%  |
| <b>Water(KF):</b>                  | 0.07%   |
| <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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