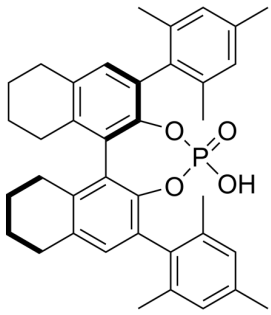


## Certificate of Analysis

### Compound Information

|                            |  |
|----------------------------|--|
| <b>Product Name:</b>       | (11bR)-8,9,10,11,12,13,14,15-Octahydro-4-hydroxy-2,6-bis(2,4,6-trimethylphenyl)-4-oxide-dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin |
| <b>Cat. No.:</b>           | 1163352  |
| <b>CAS No.:</b>            | 1011465-23-8   |
| <b>Molecular Formula:</b>  | C <sub>38</sub> H <sub>41</sub> O <sub>4</sub> P   |
| <b>Molecular Weight:</b>   | 592.70   |
| <b>Chemical Structure:</b> |    |

### Batch Information

|                     |  |
|---------------------|--|
| <b>Batch No.:</b>   | Ld0114031  |
| <b>Storage:</b>     | 2-8°C, protect from light, stored under nitrogen |
| <b>Test Date:</b>   | 2020-01-15                                       |
| <b>Retest Date:</b> | 2023-01-14                                       |
| <b>Origin:</b>      | Shanghai, China                                  |

### QC Summary

|                                    |   |
|------------------------------------|---|
| <b>Appearance:</b>                 | White to light yellow (Solid)   |
| <b><sup>1</sup>H NMR Spectrum:</b> | Consistent with structure   |
| <b>Purity (NMR):</b>               | ≥97.0%  |
| <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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