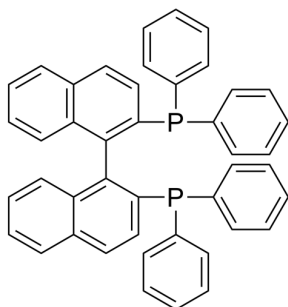


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	(Rac)-BINAP
<b>Cat. No.:</b>	1047644
<b>CAS No.:</b>	98327-87-8
<b>Molecular Formula:</b>	C <sub>44</sub> H <sub>32</sub> P <sub>2</sub>
<b>Molecular Weight:</b>	622.67
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	L336481
<b>Storage:</b>	2-8°C, protect from light, stored under nitrogen
<b>Test Date:</b>	2023-02-25
<b>Retest Date:</b>	2026-02-24
<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 (NMR):</b>	≥98.0%
<b>OR(C=0.30g/100ml toluene):</b>	-2.2°
<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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