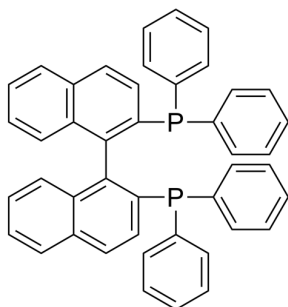


Certificate of Analysis

Compound Information

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



Batch Information

| | |
|---------------------|--|
| Batch No.: | Lc1230020 |
| Storage: | 2-8°C, protect from light, stored under nitrogen |
| Test Date: | 2019-12-30 |
| Retest Date: | 2022-12-29 |
| Origin: | Shanghai, China |

QC Summary

| | |
|------------------------------------|---|
| Appearance: | White to off-white (Solid) |
| ¹H NMR Spectrum: | Consistent with structure |
| Purity (NMR): | ≥98.0% |
| Conclusion: | The product has been tested and complies with the given specifications. |

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

Tel: 400-821-0725

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