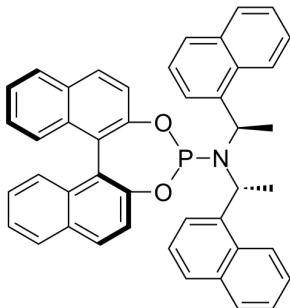


Certificate of Analysis

Compound Information

| | |
|----------------------------|--|
| Product Name: | (11bS)-N,N-Bis[(1R)-1-(1-naphthalenyl)ethyl]dinaphtho[2,1-d:1',2'-f][1,3,2]dioxaphosphepin-4-amine |
| Cat. No.: | 1199644 |
| CAS No.: | 342813-25-6 |
| Molecular Formula: | C ₄₄ H ₃₄ NO ₂ P |
| Molecular Weight: | 639.72 |
| Chemical Structure: |  |

Batch Information

| | |
|---------------------|--|
| Batch No.: | Ld061105118 |
| Storage: | 2-8°C, protect from light, stored under nitrogen |
| Mfg. Date: | 2020-06-11 |
| Retest Date: | 2023-06-10 |
| Origin: | Shanghai, China |

QC Summary

| | |
|------------------------------------|---|
| Appearance: | White to off-white (Solid) |
| ¹H NMR Spectrum: | Consistent with structure |
| Purity (NMR): | ≥95.0% |
| 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

E-mail: product@leyan.com

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai