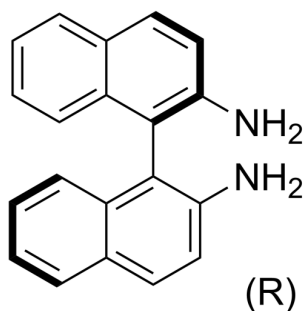


Certificate of Analysis

Compound Information

| | |
|----------------------------|--|
| Product Name: | (R)-[1,1'-Binaphthalene]-2,2'-diamine |
| Cat. No.: | 1024450 |
| CAS No.: | 18741-85-0 |
| Molecular Formula: | C ₂₀ H ₁₆ N ₂ |
| Molecular Weight: | 284.35 |
| Chemical Structure: | |



Batch Information

| | |
|---------------------|--|
| Batch No.: | Lf0627142834 |
| Storage: | 2-8°C, protect from light, stored under nitrogen |
| Test Date: | 2022-06-29 |
| Retest Date: | 2025-06-28 |
| Origin: | Shanghai, China |

QC Summary

| | |
|--|---|
| Appearance: | White to light brown (Solid) |
| ¹H NMR Spectrum: | Consistent with structure |
| Purity (HPLC): | 99.78% |
| OR[α](C=1.02 g/100ml pyridine): | 153.7° |
| 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