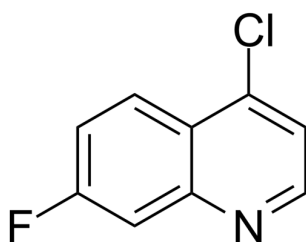


Certificate of Analysis

Compound Information

| | |
|----------------------------|------------------------------------|
| Product Name: | 4-Chloro-7-fluoroquinoline |
| Cat. No.: | 1167419 |
| CAS No.: | 391-82-2 |
| Molecular Formula: | C ₉ H ₅ ClFN |
| Molecular Weight: | 181.59 |
| Chemical Structure: | |



Batch Information

| | |
|---------------------|------------------------------|
| Batch No.: | Le071990648 |
| Storage: | 2-8°C, stored under nitrogen |
| Mfg. Date: | 2021-07-20 |
| Retest Date: | 2024-07-19 |
| Origin: | Shanghai, China |

QC Summary

| | |
|------------------------------------|---|
| Appearance: | White to yellow (Solid) |
| ¹H NMR Spectrum: | Consistent with structure |
| Purity (HPLC): | 99.78% |
| 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