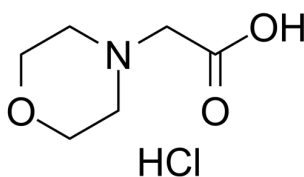


Certificate of Analysis

Compound Information

| | |
|----------------------------|--|
| Product Name: | 4-Morpholineacetic acid hydrochloride |
| Cat. No.: | 1045820 |
| CAS No.: | 89531-58-8 |
| Molecular Formula: | C ₆ H ₁₂ ClNO ₃ |
| Molecular Weight: | 181.62 |
| Chemical Structure: | |



Batch Information

| | |
|---------------------|--|
| Batch No.: | Lf1108180737 |
| Storage: | Store at room temperature, keep dry and cool |
| Test Date: | 2022-11-08 |
| Retest Date: | 2025-11-07 |
| Origin: | Shanghai, China |

QC Summary

| | |
|------------------------------------|---|
| Appearance: | White to light brown (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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