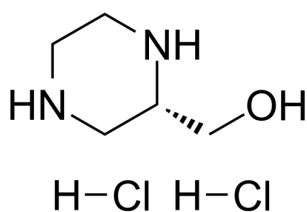


Certificate of Analysis

Compound Information

| | |
|----------------------------|---|
| Product Name: | (S)-Piperazin-2-ylmethanol dihydrochloride |
| Cat. No.: | 1217226 |
| CAS No.: | 149629-73-2 |
| Molecular Formula: | C ₅ H ₁₄ Cl ₂ N ₂ O |
| Molecular Weight: | 189.08 |
| Chemical Structure: | |



Batch Information

| | |
|---------------------|---------------------------|
| Batch No.: | Lf0427130670 |
| Storage: | 2-8°C, protect from light |
| Mfg. Date: | 2022-04-27 |
| Retest Date: | 2025-04-26 |
| Origin: | Shanghai, China |

QC Summary

| | |
|------------------------------------|---|
| Appearance: | White to off-white (Solid) |
| ¹H NMR Spectrum: | Consistent with structure |
| Purity (NMR): | ≥98.0% |
| OR(C=0.31g/100mL, MEOH): | 0.33° |
| 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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