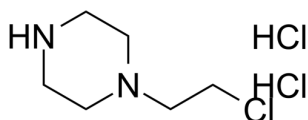


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	1-(2-Chloroethyl)piperazine dihydrochloride
<b>Cat. No.:</b>	1524104
<b>CAS No.:</b>	53502-60-6
<b>Molecular Formula:</b>	C <sub>6</sub> H <sub>15</sub> Cl <sub>3</sub> N <sub>2</sub>
<b>Molecular Weight:</b>	221.56
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Lf0818161233
<b>Storage:</b>	2-8°C, protect from light
<b>Mfg. Date:</b>	2022-08-18
<b>Retest Date:</b>	2025-08-17
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	White to off-white (Solid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥97.0%
<b>Conclusion:</b>	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

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