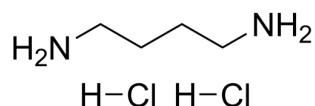


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	1,4-Butanediamine (dihydrochloride)
<b>Cat. No.:</b>	1029933
<b>CAS No.:</b>	333-93-7
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>14</sub> Cl <sub>2</sub> N <sub>2</sub>
<b>Molecular Weight:</b>	161.07
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Lf1e87326
<b>Storage:</b>	2-8°C, sealed storage, away from moisture
<b>Test Date:</b>	2022-12-03
<b>Retest Date:</b>	2025-12-02
<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>	≥98.0%
<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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