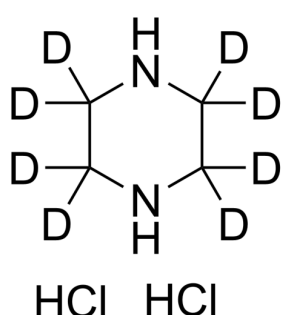


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	Piperazine-d <sub>8</sub> (dihydrochloride)
<b>Cat. No.:</b>	1613311
<b>CAS No.:</b>	849482-21-9
<b>Molecular Formula:</b>	C <sub>4</sub> H <sub>4</sub> D <sub>8</sub> Cl <sub>2</sub> N <sub>2</sub>
<b>Molecular Weight:</b>	167.11
<b>Chemical Structure:</b>	

HCl HCl

### Batch Information

<b>Batch No.:</b>	L381293
<b>Storage:</b>	2-8°C, sealed storage, away from moisture
<b>Test Date:</b>	2024-03-25
<b>Retest Date:</b>	2027-03-24
<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>	≥95.0%
<b>D-Enrichment:</b>	99%
<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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