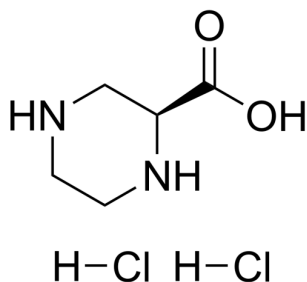


## Certificate of Analysis

### Compound Information

Product Name:	(S)-Piperazine-2-carboxylic acid dihydrochloride
Cat. No.:	1022715
CAS No.:	158663-69-5
Molecular Formula:	C <sub>5</sub> H <sub>12</sub> Cl <sub>2</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	203.07
Chemical Structure:	



### Batch Information

Batch No.:	La0918171
Storage:	RT, protect from light
Test Date:	2017-09-18
Retest Date:	2022-09-17
Origin:	Shanghai, China

### QC Summary

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Purity (NMR):	≥97.0%
Conclusion:	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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