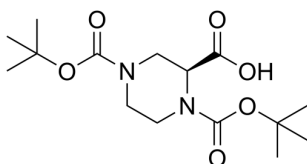


## Certificate of Analysis

### Compound Information

Product Name:	(S)-1,4-Bis(tert-butoxycarbonyl)piperazine-2-carboxylic acid
Cat. No.:	1058830
CAS No.:	788799-69-9
Molecular Formula:	C <sub>15</sub> H <sub>26</sub> N <sub>2</sub> O <sub>6</sub>
Molecular Weight:	330.38
Chemical Structure:	



### Batch Information

Batch No.:	Ld072713559
Storage:	Store at room temperature
Test Date:	2020-07-27
Retest Date:	2025-07-26
Origin:	Shanghai, China

### QC Summary

Appearance:	White to off-white (Solid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Optical Rotation:	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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