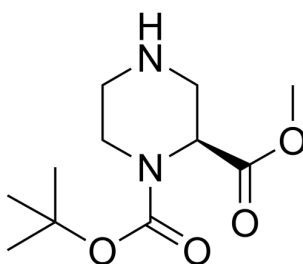


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	(S)-1-N-Boc-piperazine-2-carboxylic acid methyl ester
<b>Cat. No.:</b>	1058084
<b>CAS No.:</b>	796096-64-5
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight:</b>	244.29
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Lg0804290863
<b>Storage:</b>	2-8°C, protect from light
<b>Test Date:</b>	2023-08-04
<b>Retest Date:</b>	2026-08-03
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	Colorless to light yellow (Solid-liquid mixture)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>MS:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥97.0%
<b>Optical Rotation:</b>	-89.2° (C=1.00 g/100ml, CHCL <sub>3</sub> )
<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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