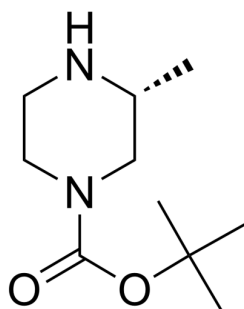


## Certificate of Analysis

### Compound Information

Product Name:	(R)-1-Boc-3-methyl-piperazine
Cat. No.:	1023042
CAS No.:	163765-44-4
Molecular Formula:	C <sub>10</sub> H <sub>20</sub> N <sub>2</sub> O <sub>2</sub>
Molecular Weight:	200.28
Chemical Structure:	



### Batch Information

Batch No.:	Lg1225362166
Storage:	2-8°C, protect from light
Test Date:	2023-12-25
Retest Date:	2026-12-24
Origin:	Shanghai, China

### QC Summary

Appearance:	Colorless to off-white (<40°C Solid,>45°C Liquid)
<sup>1</sup> H NMR Spectrum:	Consistent with structure
Purity (GC):	99.86%
Optical Rotation[α]:	19.4104°(C=1.0041 g/100ml CHCL <sub>3</sub> )
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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