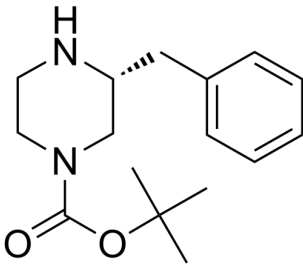


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	tert-Butyl (3R)-3-benzylpiperazine-1-carboxylate
<b>Cat. No.:</b>	1071967
<b>CAS No.:</b>	947272-49-3
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>24</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight:</b>	276.37
<b>Chemical Structure:</b>	

### Batch Information

<b>Batch No.:</b>	Lg0710277316
<b>Storage:</b>	Storage temp. 2-8°C
<b>Test Date:</b>	2023-07-10
<b>Retest Date:</b>	2026-07-09
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	Colorless to light yellow (Liquid)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>LCMS:</b>	Consistent with structure
<b>Enantiomeric Excess:</b>	98.77%
<b>Purity (HPLC):</b>	99.74%
<b>Optical Rotation:</b>	0.80°(C=0.90g/100ml MEOH)
<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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