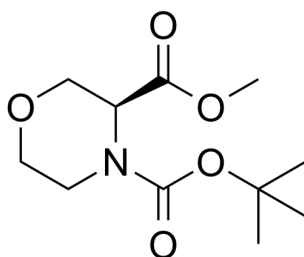


## Certificate of Analysis

### Compound Information

<b>Product Name:</b>	4-(tert-Butyl)3-methyl(S)-morpholine-3,4-dicarboxylate
<b>Cat. No.:</b>	1242460
<b>CAS No.:</b>	215917-98-9
<b>Molecular Formula:</b>	C <sub>11</sub> H <sub>19</sub> NO <sub>5</sub>
<b>Molecular Weight:</b>	245.27
<b>Chemical Structure:</b>	



### Batch Information

<b>Batch No.:</b>	Lf0513133503
<b>Storage:</b>	Storage temp. 2-8°C
<b>Test Date:</b>	2023-08-23
<b>Retest Date:</b>	2026-08-22
<b>Origin:</b>	Shanghai, China

### QC Summary

<b>Appearance:</b>	Colorless to off-white (Solid-liquid mixture)
<b><sup>1</sup>H NMR Spectrum:</b>	Consistent with structure
<b>Purity (NMR):</b>	≥98.0%
<b>OR(C=0.41 g/100ml,CHCL<sub>3</sub>):</b>	-81.4°
<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.**

Tel: 400-821-0725

E-mail: [product@leyan.com](mailto:product@leyan.com)

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai