

## Certificate of Analysis

### Compound Information

**Product Name:** 4-tert-Butyl 3-methyl morpholine-3,4-dicarboxylate

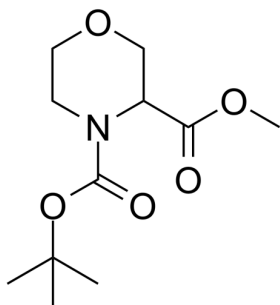
**Cat. No.:** 1048262

**CAS No.:** 212650-45-8

**Molecular Formula:** C<sub>11</sub>H<sub>19</sub>NO<sub>5</sub>

**Molecular Weight:** 245.27

**Chemical Structure:**



### Batch Information

**Batch No.:** Lf0907166719

**Storage:** Storage temp. 2-8°C

**Mfg. Date:** 2022-09-07

**Retest Date:** 2025-09-06

**Origin:** Shanghai, China

### QC Summary

**Appearance:** Brown to red (Liquid)

**<sup>1</sup>H NMR Spectrum:** Consistent with structure

**Purity (GC):** 99.31%

**Conclusion:** 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