

## Certificate of Analysis

### Compound Information

**Product Name:** (S)-1-Boc-3-hydroxymethyl-piperazine

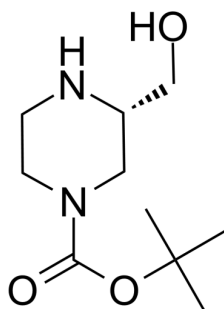
**Cat. No.:** 1052383

**CAS No.:** 314741-40-7

**Molecular Formula:** C<sub>10</sub>H<sub>20</sub>N<sub>2</sub>O<sub>3</sub>

**Molecular Weight:** 216.28

**Chemical Structure:**



### Batch Information

**Batch No.:** Lc0822033

**Storage:** RT, protect from light

**Mfg. Date:** 2019-08-22

**Retest Date:** 2022-08-21

**Origin:** Shanghai, China

### QC Summary

**Appearance:** White to off-white (Solid)

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

**Optical Rotation:** Consistent with structure

**Purity (NMR):** ≥98.0%

**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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