



## **Certificate of Analysis**

## **Compound Information**

Product Name: Cat. No.: CAS No.: Molecular Formula: Molecular Weight: Chemical Structure: (S)-1-N-Boc-piperazine-3-carboxylic acid methyl ester 1051281 314741-39-4  $C_{11}H_{20}N_2O_4$ 244.29 H



| Batch No.:   | L357276                   |
|--------------|---------------------------|
| Storage:     | 2-8°C, protect from light |
| Test Date:   | 2024-02-23                |
| Retest Date: | 2027-02-22                |
| Origin:      | Shanghai, China           |
|              |                           |

## **QC Summary**

| Appearance:                  | Off-white to light yellow (Solid)                                       |
|------------------------------|---|
| <sup>1</sup> H NMR Spectrum: | Consistent with structure   |
| Purity (NMR):                | ≥98.0%  |
| Optical Rotation[α]:         | 42.6661° (C=1.0022g/100ml CHCL3)  |
| 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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