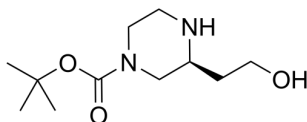


## Certificate of Analysis

### Compound Information

|                     |   |
|---------------------|---|
| Product Name:       | (S)-tert-Butyl 3-(2-hydroxyethyl)piperazine-1-carboxylate     |
| Cat. No.:           | 1149812   |
| CAS No.:            | 1273577-11-9  |
| Molecular Formula:  | C <sub>11</sub> H <sub>22</sub> N <sub>2</sub> O <sub>3</sub> |
| Molecular Weight:   | 230.30  |
| Chemical Structure: |   |



### Batch Information

|              |                           |
|--------------|---------------------------|
| Batch No.:   | Lf1230193511              |
| Storage:     | 2-8°C, protect from light |
| Test Date:   | 2022-12-30                |
| Retest Date: | 2025-12-29                |
| Origin:      | Shanghai, China           |

### QC Summary

|                              |   |
|------------------------------|---|
| Appearance:                  | Colorless to light yellow (Solid-Liquid Mixture)                        |
| <sup>1</sup> H NMR Spectrum: | Consistent with structure   |
| Purity (NMR):                | ≥97.0%  |
| 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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