



## **Certificate of Analysis**

**Compound Information** 

Product Name: di-tert-Butyl (R)-2-(hydroxymethyl)piperazine-1,4-dicarboxylate

Cat. No.: 1199310

CAS No.: 1159598-21-6

Molecular Formula: C<sub>15</sub>H<sub>28</sub>N<sub>2</sub>O<sub>5</sub>

Molecular Weight: 316.39

**Chemical Structure:** 

YOWN OH

**Batch Information** 

**Batch No.:** Lf0917168869

**Storage:** Store at room temperature

 Test Date:
 2022-09-19

 Retest Date:
 2027-09-18

Origin: Shanghai, China

**QC Summary** 

Appearance: White to off-white (Solid)

1 H NMR Spectrum: Consistent with structure

Enantiomeric Excess: 100.00%

Purity (NMR): ≥98.0%

OR(C=1.00g/100ml CHCL3): 25.1°

**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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