

# Chem-Impex International, Inc.

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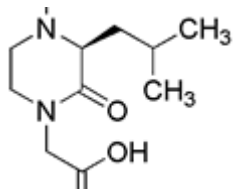
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 22686   |
| <b>Product</b>           | <b>(3S)-4-Boc-1-carboxymethyl-3-isobutyl-piperazin-2-one</b>  |
| <b>CAS Number</b>        | 959584-21-5   |
| <b>Molecular Formula</b> | C <sub>15</sub> H <sub>26</sub> N <sub>2</sub> O <sub>5</sub> |
| <b>Molecular Weight</b>  | 314.38  |

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|                                 |   |
|---------------------------------|---|
| <b>Appearance</b>               | White powder  |
| <b>Optical Rotation</b>         | [α] <sub>D</sub> <sup>20</sup> = +70 ± 2° (C=1 in MeOH) |
| <b>Analysis by Mass Spectra</b> | M = 314.38 ± 1  |
| <b><sup>13</sup>C NMR</b>       | Conforms to structure                                   |
| <b><sup>1</sup>H NMR</b>        | Conforms to structure                                   |
| <b>Purity by HPLC</b>           | ≥ 98%   |
| <b>Storage</b>                  | Store at 0-8 °C   |

**For Laboratory Use Only**