

# *Chem-Impex International, Inc.*

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## *Product Specifications*

|                          |  |
|--------------------------|--|
| <b>Catalogue Number</b>  | 03260  |
| <b>Product</b>           | <b><i>N</i><sup>α</sup>-Acetyl-L-ornithine</b>               |
|                          | Ac-L-Orn-OH  |
| <b>CAS Number</b>        | 6205-08-9  |
| <b>Molecular Formula</b> | C <sub>7</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub> |
| <b>Molecular Weight</b>  | 174.2  |

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|                                 |   |
|---------------------------------|---|
| <b>Appearance</b>               | White to off-white powder   |
| <b>Solubility</b>               | Clear solution (0.3 g in 2 mL Water)  |
| <b>Optical Rotation</b>         | [α] <sub>D</sub> <sup>20</sup> = +20.5 ± 2° (C=1 in H <sub>2</sub> O) or<br>[α] <sub>D</sub> <sup>20</sup> = -11.0 ± 2° (C=3 in 5N HCl) |
| <b>Infrared Spectrum</b>        | Conforms to structure   |
| <b>Analysis by Mass Spectra</b> | Conforms to standard  |
| <b><sup>1</sup>H NMR</b>        | Conforms to structure   |
| <b>Assay</b>                    | ≥ 99%   |
| <b>Storage</b>                  | Store at 0-8 °C   |

**For Laboratory Use Only**