

# Chem-Impex International, Inc.

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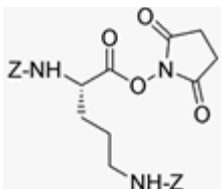
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 03887   |
| <b>Product</b>           | <b><i>N</i><sup>α,δ</sup>-Bis-Z-L-ornithine <i>N</i>-hydroxysuccinimide ester</b><br>Z-L-Orn(Z)-OSu |
| <b>CAS Number</b>        | 90970-61-9  |
| <b>Molecular Formula</b> | C <sub>25</sub> H <sub>27</sub> N <sub>3</sub> O <sub>8</sub>                                       |
| <b>Molecular Weight</b>  | 497.5   |

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|                                    |   |
|------------------------------------|---|
| <b>Appearance</b>                  | White powder  |
| <b>Solubility</b>                  | Clear, colorless solution (50mg/mL in Acetone)  |
| <b>Melting Point</b>               | 109-119 °C  |
| <b>Elemental Analysis (Theory)</b> | C = 60.36%; H = 5.47%; N = 8.45%  |
| <b>Elemental Analysis (Found)</b>  | C = 60.36 ± 0.5%; H = 5.47 ± 0.5%; N = 8.45 ± 0.5%  |
| <b>TLC System</b>                  | Chloroform/Methanol/Acetic acid (90:8:2)<br>Chloroform/Ethyl Acetate/Acetic acid (50:50:2)<br>Benzene/Dioxane/Acetic acid (95:25:4)<br>Plate: Silica gel 60 F <sub>254</sub><br>Detected by: UV, ninhydrin, chlorine-tolidine |
| <b>Purity by TLC</b>               | ≥ 98%   |
| <b>Storage</b>                     | Store at 0-8°C  |

**For Laboratory Use Only**