

# *Chem-Impex International, Inc.*

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## *Product Specifications*

|                          |   |
|--------------------------|---|
| <b>Catalogue Number</b>  | 03866   |
| <b>Product</b>           | <b>Z-L-valine N-hydroxysuccinimide ester</b><br>Z-L-Val-OSu   |
| <b>CAS Number</b>        | 3496-11-5   |
| <b>Molecular Formula</b> | C <sub>17</sub> H <sub>20</sub> N <sub>2</sub> O <sub>6</sub> |
| <b>Molecular Weight</b>  | 348.4   |

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|------------------------------------|--|
| <b>Appearance</b>                  | White to off-white powder                  |
| <b>Solubility</b>                  | Clear Solution (0.3 g in 2 ml DMF)         |
| <b>Melting Point</b>               | 113 - 118 °C                               |
| <b>Water Content (Karl Fisher)</b> | ≤ 1%                                       |
| <b>Optical Rotation</b>            | [α] <sub>D</sub> <sup>20</sup> = -25 ± 2 ° |
| <b>Infrared Spectrum</b>           | Conforms to structure                      |
| <b>Analysis by Mass Spectra</b>    | Conforms to standard                       |
| <b>Loss on Drying</b>              | ≤ 1% (50 °C, 2 h)                          |
| <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**