

# Chem-Impex International, Inc.

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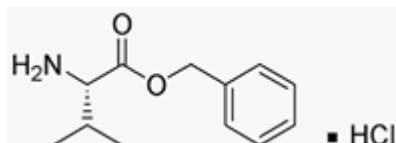
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

|                          |  |
|--------------------------|--|
| <b>Catalogue Number</b>  | 03444  |
| <b>Product</b>           | <b>L-Valine benzyl ester hydrochloride</b><br>L-Val-OBzl•HCl |
| <b>CAS Number</b>        | 2462-34-2  |
| <b>Molecular Formula</b> | C <sub>12</sub> H <sub>17</sub> NO <sub>2</sub> •HCl         |
| <b>Molecular Weight</b>  | 243.7  |

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|------------------------------------|--|
| <b>Appearance</b>                  | White to off-white powder  |
| <b>Solubility</b>                  | Clear solution (0.3 g in 2 mL H <sub>2</sub> O)                      |
| <b>Melting Point</b>               | 138-143 °C   |
| <b>Water Content (Karl Fisher)</b> | ≤ 0.5%   |
| <b>Optical Rotation</b>            | [α] <sub>D</sub> <sup>20</sup> = -10 ± 2 ° (C=2 in H <sub>2</sub> O) |
| <b>Infrared Spectrum</b>           | Conforms to structure  |
| <b>Analysis by Mass Spectra</b>    | Conforms to structure  |
| <b>Loss on Drying</b>              | ≤ 1% (60 °C, 2h)   |
| <b><sup>1</sup>H NMR</b>           | Conforms to structure  |
| <b>Purity by HPLC</b>              | ≥ 99%  |
| <b>Storage</b>                     | Store at 0-8°C   |

**For Laboratory Use Only**