

# Chem-Impex International, Inc.

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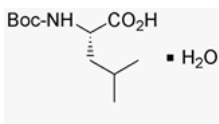
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Product Specifications

<b>Catalogue Number</b>	00774
<b>Product</b>	<b>Boc-L-leucine hydrate</b> Boc-L-Leu-OH•H <sub>2</sub> O (S)-Boc-2-amino-4-methylpentanoic acid hydrate
<b>CAS Number</b>	200936-87-4
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>21</sub> NO <sub>4</sub> •H <sub>2</sub> O
<b>Molecular Weight</b>	249.31

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3g in 2ml DMF)
<b>Melting Point</b>	80 - 90 °C
<b>Elemental Analysis (Theory)</b>	≤ 5% (C, H, N)
<b>Water Content (Karl Fisher)</b>	≤ 9%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -25 ± 2 ° (C=2 in AcOH)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 2% (40 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 99%
<b>Purity by TLC</b>	≥ 98%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**