

# Chem-Impex International, Inc.

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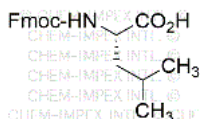
Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

## Product Specifications



<b>Catalogue Number</b>	00145
<b>Product</b>	<b>Fmoc-L-leucine</b> Fmoc-L-Leu-OH
<b>CAS Number</b>	35661-60-0
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>23</sub> NO <sub>4</sub>
<b>Molecular Weight</b>	353.4

<b>Appearance</b>	White powder or white to off-white crystalline powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	148 - 163 °C
<b>Elemental Analysis (Theory)</b>	≤ 5% (C, H, N)
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Kaiser Test</b>	≤ 0.05%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -25 ± 2 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1% (60 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	≥ 99.7% (ee)
<b>D-Enantiomer</b>	≤ 0.3%
<b>Purity by HPLC</b>	≥ 98%
<b>Purity by TLC</b>	≥ 98%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**