

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	03992
<b>Product</b>	<b>Boc-L-isoIeucine 4-nitrophenyl ester</b>  Boc-L-Ile-ONp
<b>CAS Number</b>	16948-38-2
<b>Molecular Formula</b>	C <sub>17</sub> H <sub>24</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	352.39
<b>Solubility</b>	Clear solution (5% in Acetone)
<b>Melting Point</b>	62-72 °C
<b>Elemental Analysis (Theory)</b>	C = 57.94%; H = 6.86%; N = 7.95%
<b>Elemental Analysis (Found)</b>	C = 57.94 ± 0.5%; H = 6.86 ± 0.5%; N = 7.95 ± 0.5%
<b>TLC System</b>	Chloroform/Methanol/Acetic Acid (90:8:2) Chloroform/Methanol (9:1) Detected by: UV, ninhydrin, chlorine-tolidine, NH <sub>3</sub>
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = -33 ± 2° (C=2 in DMF)
<b>Purity by TLC</b>	≥ 98%
<b>Storage</b>	Store at 0-8°C

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**For Laboratory Use Only**