

# Chem-Impex International, Inc.

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## Product Specifications

<b>Catalogue Number</b>	03994
<b>Product</b>	<b>Boc-D-leucine N-hydroxysuccinimide ester</b> Boc-D-Leu-OSu ( <i>R</i> )-Boc-2-amino-4-methyl-pentanoic acid <i>N</i> -hydroxysuccinimide ester
<b>CAS Number</b>	60111-76-4
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>24</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	328.37

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (1 mmol in 2 mL DMF)
<b>Melting Point</b>	111 - 112 °C
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 42 ± 2 ° (C=1 in Dioxane)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	≤ 1% (60 °C, 2h)
<b>Residual Solvents</b>	DCM : ≤ 3.1% (By NMR)
<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**