

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	05281
<b>Product</b>	<b>Boc-L-alanine-4-nitrophenyl ester</b> Boc-L-Ala-ONp
<b>CAS Number</b>	2483-49-0
<b>Molecular Formula</b>	C <sub>14</sub> H <sub>18</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	310.31

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	82 - 84 °C
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = -52 ± 2 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Loss on Drying</b>	≤ 1% (40 °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**