

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	01332
<b>Product</b>	<b><i>N<sup>α</sup>-Boc-N<sup>ω</sup>-nitro-L-arginine</i></b> Boc-L-Arg(NO <sub>2</sub> )-OH
<b>CAS Number</b>	2188-18-3
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>21</sub> N <sub>5</sub> O <sub>6</sub>
<b>Molecular Weight</b>	319.3

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Water Content (Karl Fisher)</b>	≤ 2%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -7 ± 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>	≤ 3% (80 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	≥ 99.5% (ee)
<b>D-Enantiomer</b>	≤ 0.5%
<b>Purity by HPLC</b>	≥ 99%
<b>Purity by TLC</b>	≥ 98%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**