

# *Chem-Impex International, Inc.*

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**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Product Specifications*

<b>Catalogue Number</b>	04018
<b>Product</b>	<b>Boc-O-benzyl-L-serine 4-nitrophenyl ester</b>  Boc-L-Ser(Bzl)-ONp
<b>CAS Number</b>	16948-39-3
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>24</sub> N <sub>2</sub> O <sub>7</sub>
<b>Molecular Weight</b>	416.43

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<b>Appearance</b>	Clear, yellow oil
<b>Solubility</b>	Clear, slightly yellowish solution (50 mg/mL in Acetone)
<b>Elemental Analysis (Theory)</b>	C = 60.57%; H = 5.81%; N = 6.73%
<b>Elemental Analysis (Found)</b>	C = 60.39 ± 0.5%; H = 5.87 ± 0.5%; N = 6.61 ± 0.5%
<b>TLC System</b>	Chloroform/Ethyl acetate/Acetic acid 90/10/2 Toluene/Dioxane/Acetic Acid 95/25/4 Ethyl acetate/Hexanes (4:5) Plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate MeOH 80% plate: RP-8 detected by: UV, ninhydrin, chlorine-tolidine, ammoniummolybdate
<b>Assay</b>	≥ 99% (Elemental analysis based on Carbon content)
<b>Purity by TLC</b>	Decomposes on TLC plate
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**