

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	03125
<b>Product</b>	<b>N<sup>α</sup>-Benzoyl-L-phenylalanine amide</b>  Bz-L-Phe-NH <sub>2</sub>
<b>CAS Number</b>	72150-35-7
<b>Molecular Formula</b>	C <sub>16</sub> H <sub>16</sub> N <sub>2</sub> O <sub>2</sub>
<b>Molecular Weight</b>	268.3
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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50mg/mL in DMF)
<b>Melting Point</b>	202-206 °C
<b>Elemental Analysis (Theory)</b>	C = 71.62%; H = 6.01%; N = 10.44%
<b>Elemental Analysis (Found)</b>	C = 72.00 ± 0.5%; H = 6.10 ± 0.5%; N = 10.40 ± 0.5%
<b>TLC System</b>	Chloroform/Methanol (9:1) Chloroform/Methanol/Acetic Acid (90:8:2) Benzene/Dioxane/Acetic acid (95:25:4) Plate: Silica gel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = -59 ± 2° (C=1 in DMF)
<b>Purity by TLC</b>	≥ 99%
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**