

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	08826
<b>Product</b>	<b>Leu-Phe-OH</b> L-Leucyl-L-phenylalanine
<b>CAS Number</b>	3063-05-6
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>22</sub> N <sub>2</sub> O <sub>3</sub>
<b>Molecular Weight</b>	278.35

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear colorless solution (50 mg/mL in AcOH 80%)
<b>Water Content (Karl Fisher)</b>	≤ 7%
<b>TLC System</b>	Chloroform/Methanol/Acetic acid 32% 5/3/1 n-Butanol/Acetic acid/Water 4/2/2 Plate: Silicagel 60 F254 Detected by: UV, ninhydrin, TMB
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = -10 ± 1 ° (C=1% in 1M HCl)
<b>Assay</b>	≥ 94% (Elemental analysis : ≤ 10.6%)
<b>Purity by TLC</b>	≥ 99%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**