

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	06517
<b>Product</b>	<b>Z-L-leucine chloromethylketone</b>
	Z-L-Leu-CMK
<b>CAS Number</b>	52467-54-6
<b>Molecular Formula</b>	C <sub>15</sub> H <sub>20</sub> NO <sub>3</sub> Cl
<b>Molecular Weight</b>	297.78

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50 mg/ml in ethylacetate)
<b>Melting Point</b>	34-37 °C
<b>Elemental Analysis (Theory)</b>	C=60.50%; H=6.77%; N=4.70%
<b>TLC System</b>	Ethylacetate/hexane: 2/8 Chloroform/ethylacetate: 9/1 Benzene/dioxane/acetic acid: 95/25/4 Plate: Silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = - 36 ± 2 ° (C=5, in ethylacetate)
<b>Purity by TLC</b>	≥ 99%
<b>ESI-MS</b>	M=297.4 ± 1 u
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**