

# Chem-Impex International, Inc.

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## Product Specifications

<b>Catalogue Number</b>	06409
<b>Product</b>	<b>Z-L-aspartic acid <math>\beta</math>-N-hydroxysuccinimide ester <math>\alpha</math>-methyl ester</b> Z-L-Asp(OSu)-OMe
<b>CAS Number</b>	54743-84-9
<b>Molecular Formula</b>	C <sub>17</sub> H <sub>18</sub> N <sub>2</sub> O <sub>8</sub>
<b>Molecular Weight</b>	378.34
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<b>Appearance</b>	White powder
<b>Appearance of Solution</b>	Clear, colorless solution (50 mg/mL in acetone)
<b>Melting Point</b>	85 - 88 °C
<b>Elemental Analysis (Theory)</b>	C = 53.97 $\pm$ 0.5%, H = 4.80 $\pm$ 0.5%, N = 7.40 $\pm$ 0.5%
<b>TLC System</b>	Benzene/Dioxane/Acetic acid (95/25/4) Chloroform/Methanol/Acetic acid (90/8/2) Chloroform/Ethyl acetate/Acetic acid (50/50/2) Plate: Silicagel 60 F <sub>254</sub> Methanol 70 % Plate: RP-8 Detected by UV, Ninhydrin, chlorine-tolidine, ammoniummolybdate
<b>Optical Rotation</b>	[ $\alpha$ ] <sup>24</sup> <sub>D</sub> = -15 $\pm$ 1 ° (C=1 in Acetone)
<b>Assay</b>	$\geq$ 99% (Based on C content)
<b>Purity by TLC</b>	$\geq$ 98%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**