

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	06566
<b>Product</b>	<b>Z-O-4-toluenesulfonyl-L-serine methyl ester</b>  Z-L-Ser(Tos)-OMe
<b>CAS Number</b>	1492-52-0
<b>Molecular Formula</b>	C <sub>19</sub> H <sub>21</sub> NO <sub>7</sub> S
<b>Molecular Weight</b>	407.45

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<b>Appearance</b>	White powder
<b>Appearance of Solution</b>	Clear, colorless solution (50 mg/mL in Methanol)
<b>Melting Point</b>	121 - 123 °C
<b>Elemental Analysis (Theory)</b>	C = 56.01 ± 0.5%, H = 5.20 ± 0.5%, N = 3.44 ± 0.5%
<b>TLC System</b>	Benzene/Dioxane/Acetic acid (95/25/4) Ethylacetate/Hexane (4/5) Chloroform/Ethylacetate/Acetic acid (90/10/2) Plate : Silicagel 60 F <sub>254</sub> Detected by : UV, Ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sup>24</sup> <sub>D</sub> = -10 ± 2 ° (C=2 in Dimethylformamide)
<b>Purity by TLC</b>	≥ 98%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**