

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	03167
<b>Product</b>	<b>L-Valine benzyl ester 4-toluenesulfonate salt</b>
	L-Val-OBzl•TosOH
<b>CAS Number</b>	16652-76-9
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>17</sub> NO <sub>2</sub> ·C <sub>7</sub> H <sub>8</sub> O <sub>3</sub> S
<b>Molecular Weight</b>	379.5
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<b>Appearance</b>	White crystal
<b>Melting Point</b>	160-162 °C
<b>Water Content (Karl Fisher)</b>	≤ 0.2%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = -3.7 ± 0.3 ° (C=3.2 in MeOH)
<b><sup>1</sup>H NMR</b>	Conforms to standard
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at 0-8°C

**For Laboratory Use Only**