

# *Chem-Impex International, Inc.*

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**Tel:** (630) 766-2112

**E-mail:** sales@chemimpex.com

**Shipping and Correspondence:**

935 Dillon Drive

Wood Dale, IL 60191

**Fax:** (630) 766-2218

**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## *Product Specifications*

<b>Catalogue Number</b>	03116
<b>Product</b>	<b>L-Phenylalanine benzyl ester 4-toluenesulfonate salt</b> L-Phe-OBzl•TosOH
<b>CAS Number</b>	1738-78-9
<b>Molecular Formula</b>	C <sub>16</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>	427.5

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 3 mL Methanol)
<b>Melting Point</b>	166-172 °C
<b>Water Content (Karl Fisher)</b>	≤ 0.5%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -7 ± 1° (C=1 in AcOH 80%)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to structure
<b>Loss on Drying</b>	≤ 0.5% (70 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 98%
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**