

# *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>	02434
<b>Product</b>	<b><i>N</i><sup>α</sup>-Fmoc-<i>N</i><sup>ε</sup>-Z-D-lysine</b> Fmoc-D-Lys(Z)-OH
<b>CAS Number</b>	110990-07-3
<b>Molecular Formula</b>	C <sub>29</sub> H <sub>30</sub> N <sub>2</sub> O <sub>6</sub>
<b>Molecular Weight</b>	502.6

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	114 - 116 °C
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = +11 ± 2 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Loss on Drying</b>	≤ 1% (50 °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**