

# *Chem-Impex International, Inc.*

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## *Product Specifications*

<b>Catalogue Number</b>	05703
<b>Product</b>	<b><i>N</i><sup>α</sup>-Fmoc-D-lysine hydrochloride</b>
	Fmoc-D-Lys-OH•HCl
<b>CAS Number</b>	201002-47-3
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>24</sub> N <sub>2</sub> O <sub>4</sub> •HCl
<b>Molecular Weight</b>	404.9

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<b>Appearance</b>	White to off-white powder
<b>Solubility</b>	Clearly soluble (0.5 mmole in 1 mL DMF)
<b>Melting Point</b>	119-124 °C
<b>Water Content (Karl Fisher)</b>	≤ 4.0%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = + 11 ± 2° (C=1 in DMF)
<b>L-Enantiomer</b>	≤ 0.2%
<b>Purity by HPLC</b>	≥ 98%
<b>Chiral Purity</b>	≥ 99.8% (ee)
<b>Storage</b>	Store at 0-8 °C

**For Laboratory Use Only**