

# Chem-Impex International, Inc.

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## Product Specifications

<b>Catalogue Number</b>	02575
<b>Product</b>	<b>Fmoc-4-fluoro-L-phenylalanine</b> Fmoc-L-Phe(4-F)-OH Fmoc- <i>p</i> -fluoro-L-Phe-OH
<b>CAS Number</b>	169243-86-1
<b>Molecular Formula</b>	C <sub>24</sub> H <sub>20</sub> FNO <sub>4</sub>
<b>Molecular Weight</b>	405.4

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<b>Appearance</b>	White powder
<b>Solubility</b>	Clear solution (0.3 g in 2 mL DMF)
<b>Melting Point</b>	175 - 195 °C
<b>Water Content (Karl Fisher)</b>	≤ 2%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -37.5 ± 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>	≤ 2% (70 °C, 2h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	≥ 99%
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**