

# Chem-Impex International, Inc.

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## Product Specifications

<b>Catalogue Number</b>	04109
<b>Product</b>	<b>Fmoc-3-cyano-D-phenylalanine</b> Fmoc-D-Phe(3-CN)-OH Fmoc- <i>m</i> -cyano-D-Phe-OH
<b>CAS Number</b>	205526-37-0
<b>Molecular Formula</b>	C <sub>25</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	412.4

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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>	111 - 113 °C
<b>Water Content (Karl Fisher)</b>	≤ 1%
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = 36.5 ° (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**