

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	04715
<b>Lot Number</b>	000424-221101-20128
<b>Product</b>	<b>Fmoc-3-(2'-pyridyl)-L-alanine</b> Fmoc-L-Ala(2'-pyridyl)-OH Fmoc-β-(2'-pyridyl)-Ala-OH
<b>CAS Number</b>	185379-40-2
<b>Molecular Formula</b>	C <sub>23</sub> H <sub>20</sub> N <sub>2</sub> O <sub>4</sub>
<b>Molecular Weight</b>	388.4

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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>	145.6 - 146.4 °C
<b>Water Content (Karl Fisher)</b>	0.29%
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = -46.6 ° (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>	0.32% (70 °C, 2 h)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	99.93% (ee)
<b>D-Enantiomer</b>	0.07%
<b>Purity by HPLC</b>	99.75%
<b>Storage</b>	Store at 0 - 8 °C
<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager