

# *Chem-Impex International, Inc.*

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## *Certificate of Analysis*

<b>Catalogue Number</b>	11963
<b>Lot Number</b>	000201-5466
<b>Product</b>	<b>Fmoc-O-methyl-L-homoserine</b>

Fmoc-L-HomoSer(Me)-OH

<b>CAS Number</b>	173212-86-7
<b>Molecular Formula</b>	C <sub>20</sub> H <sub>21</sub> NO <sub>5</sub>

<b>Molecular Weight</b>	355.39
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<b>Appearance</b>	Off-white powder
<b>Solubility</b>	Clearly soluble (0.5 mmol in 1 ml DMF)
<b>Melting Point</b>	140 - 141 °C
<b>Water Content (Karl Fisher)</b>	0.1%
<b>Kaiser Test</b>	Negative
<b>TLC System</b>	Chloroform/ methanol/acetic acid (90:8:2)
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = - 30.5° (C=4, in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Residual Solvents</b>	Not detected
<b>Free Amino Acids</b>	< 0.1%
<b>Assay</b>	100%
<b>Purity by HPLC</b>	99.5% (265 nm) 99.4% (220 nm)
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 0-8 °C

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**Remarks**

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**