

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	32571
<b>Product</b>	<b>Fmoc-(Dmb)Leu-OH</b>
<b>Lot Number</b>	000127-1000016292 Fmoc-N-(2,4-dimethoxybenzyl)-Leu-OH
<b>CAS Number</b>	1425938-65-3
<b>Molecular Formula</b>	C <sub>30</sub> H <sub>33</sub> NO <sub>6</sub>
<b>Molecular Weight</b>	503.6

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<b>Appearance</b>	Slightly yellow powder
<b>Appearance of Solution</b>	Clear, yellowish solution (50 mg/mL in acetonitrile)
<b>TLC System</b>	Chloroform/Methanol/Acetic acid/Water (90:10:0.5:1) Chloroform/Methanol/Acetic acid (85:10:5) Chloroform/Methanol/Acetic acid 32% (5:3:1) Plate : Silicagel 60 F <sub>254</sub> Detected by : UV, ninhydrin, IRH
<b>Assay by titration</b>	95.7% (TBAH)
<b>D-Enantiomer</b>	0.6%
<b>Purity by HPLC</b>	99.3% (TFA)
<b>Purity by TLC</b>	> 98%
<b>Chiral Purity</b>	99.4% (GC, ee)
<b>ESI-MS</b>	M = 506.6u (average mass)
<b>Storage</b>	Store at ≤ -10 °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**