

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	33491
<b>Lot Number</b>	000129-15229
<b>Product</b>	<b>N<sup>a</sup>-Fmoc- N<sup>e</sup>-(2-nitrobenzenesulfonyl)-D-lysine</b> N <sup>a</sup> -Fmoc-N <sup>e</sup> -Nosyl-D-lysine
<b>CAS Number</b>	2250437-39-7
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>27</sub> N <sub>3</sub> O <sub>8</sub> S
<b>Molecular Weight</b>	553.6

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<b>Appearance</b>	Light yellow powder
<b>Optical Rotation</b>	[α] <sup>20</sup> <sub>D</sub> = 10.9 ° (C=1 in DMF)
<b>Residual Solvents</b>	Water : 0.37% Diisopropyl ether : 3.9% Methyl tert-butyl ether : 2.3%
<b>Assay by titration</b>	91.1%
<b>Chiral HPLC</b>	99.8% (ee)
<b>L-Enantiomer</b>	0.2%
<b>Purity by HPLC</b>	99.1%
<b>Purity by TLC</b>	> 99%
<b>Storage</b>	Store at 2 - 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