

# Chem-Impex International, Inc.

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825 Dillon Drive

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## Certificate of Analysis

<b>Catalogue Number</b>	03447
<b>Product</b>	<b>6-((+)-Biotinamidohexanoylamino)hexanoic acid N-hydroxysuccinimide ester</b>
<b>Lot Number</b>	000603-020414 (+)-Biotin-X-X-NHS  NHS-LC-LC-Biotin
<b>CAS Number</b>	89889-52-1
<b>Molecular Formula</b>	C <sub>26</sub> H <sub>41</sub> N <sub>5</sub> O <sub>7</sub> S
<b>Molecular Weight</b>	567.7

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<b>Appearance</b>	White solid
<b>Melting Point</b>	149-150 °C
<b>Elemental Analysis (Theory)</b>	C = 55.00%; H = 7.28%; N = 12.33%
<b>Elemental Analysis (Found)</b>	C = 55.00%; H = 7.24%; N = 12.30%
<b>TLC System</b>	CH <sub>2</sub> Cl <sub>2</sub> :MeOH (88:12) R <sub>f</sub> = 0.43 One spot support Silica Gel 60
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity</b>	99.7% (NMR)
<b>Storage</b>	Store at ≤ -4 °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**