

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	47705
<b>Lot Number</b>	000129-230420
<b>Product</b>	<b>1-Azido-3,6,9-trioxaundecan-11-Boc-amine</b> <i>N</i> <sub>3</sub> -PEG(3)-NH-Boc BocNH-PEG3-CH <sub>2</sub> CH <sub>2</sub> N <sub>3</sub>
<b>CAS Number</b>	642091-68-7
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>26</sub> N <sub>4</sub> O <sub>5</sub>
<b>Molecular Weight</b>	318.4

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<b>Appearance</b>	Colorless oil
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by HPLC</b>	97.2%
<b>Purity by TLC</b>	> 98%
<b>Storage</b>	Store at ≤ -15 °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