

# Chem-Impex International, Inc.

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**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

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## Certificate of Analysis

<b>Catalogue Number</b>	15329
<b>Lot Number</b>	000424-190601-24729
<b>Product</b>	<b>Boc-(3-thienyl)-D-β-homoalanine</b>

Boc-D-β-HomoAla(3-thienyl)-OH

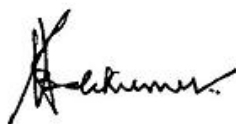
<b>CAS Number</b>	269726-92-3
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>19</sub> NO <sub>4</sub> S
<b>Molecular Weight</b>	285.36

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<b>Appearance</b>	White to off-white powder
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>20</sup> = 1.61 ° (C=1 in DMF)
<b>Infrared Spectrum</b>	Conforms to structure
<b>Analysis by Mass Spectra</b>	Conforms to standard
<b>Residual Solvents</b>	Not identified
<b>Related Substances</b>	Not identified
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Chiral HPLC</b>	99.7% (ee)
<b>L-Enantiomer</b>	0.3%
<b>Purity by HPLC</b>	97.3%
<b>Storage</b>	Store at 0 - 8 °C

<b>Remarks</b>	See material safety data sheet for additional information For laboratory use only
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The foregoing is a copy of the Certificate of Analysis as provided by our supplier



**Bala Kumar**  
Quality Control Manager