

# Chem-Impex International, Inc.

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Tel: (630) 766-2112

E-mail: sales@chemimpex.com

Shipping and Correspondence:

935 Dillon Drive

Wood Dale, IL 60191

Fax: (630) 766-2218

Web site: www.chemimpex.com

Manufacturing site:

825 Dillon Drive

Wood Dale, IL 60191

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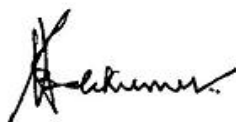
## Certificate of Analysis

<b>Catalogue Number</b>	15358
<b>Lot Number</b>	000705-409981
<b>Product</b>	<b>Fmoc-(3-benzothienyl)-L-<math>\beta</math>-homoalanine</b>  Fmoc-L- $\beta$ -HomoAla(3-benzothienyl)-OH  Fmoc-(S)-3-amino-4-(3-benzothienyl)butyric acid
<b>CAS Number</b>	270063-46-2
<b>Molecular Formula</b>	C <sub>27</sub> H <sub>23</sub> NO <sub>4</sub> S
<b>Molecular Weight</b>	457.54

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<b>Appearance</b>	White powder
<b>Melting Point</b>	129-131 °C
<b>TLC System</b>	Butanol/Pyridine/Acetic acid/Water (5:5:1:4) Single spot Butanol/Acetic acid/Water (4:1:2) Single spot Visualized with UV/Iodine
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>25</sup> = -36.1° (C=1 in DMF)
<b>Purity by HPLC</b>	98.8%
<b>Storage</b>	Store at 0-8 °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**