

# Chem-Impex International, Inc.

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## Certificate of Analysis

<b>Catalogue Number</b>	15328
<b>Lot Number</b>	000705-381371
<b>Product</b>	<b>(3-Thienyl)-D-<math>\beta</math>-homoalanine hydrochloride</b>  D- $\beta$ -HomoAla(3-thienyl)-OH•HCl  (R)-3-Amino-4-(3-thienyl)butyric acid
<b>CAS Number</b>	269726-91-2
<b>Molecular Formula</b>	C <sub>8</sub> H <sub>11</sub> NO <sub>2</sub> S•HCl
<b>Molecular Weight</b>	221.7

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<b>Appearance</b>	White powder
<b>Melting Point</b>	198-200 °C
<b>TLC System</b>	Butanol/Acetic acid/Water (4:1:2) Single spot Chloroform/Methanol/Benzene/Water (8:8:8:1) Single spot Visualized with: UV/Iodine
<b>Optical Rotation</b>	[ $\alpha$ ] <sub>D</sub> <sup>25</sup> = +5.3° (C=1 in DMF)
<b>Purity by TLC</b>	> 99%
<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