

# Chem-Impex International, Inc.

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## Certificate of Analysis

**Catalogue Number** 15395  
**Lot Number** 000705-552403  
**Product** **Fmoc-(2-thienyl)-L- $\beta$ -homoalanine**

Fmoc-(S)-3-amino-4-(2-thienyl)butyric acid

**CAS Number** 270262-98-1  
**Molecular Formula** C<sub>23</sub>H<sub>21</sub>NO<sub>4</sub>S  
**Molecular Weight** 407.48

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**Appearance** Brownish powder  
**Melting Point** 120 - 124 °C  
**TLC System** Butanol/ pyridine/ acetic acid/ water: 5/5/1/4 single spot  
Butanol/ acetic acid/ water: 4/1/2 single spot  
visualized with: UV/ Iodine  
**Optical Rotation** [a]<sub>D</sub><sup>25</sup> = + 10.1° (C=1 in DMF)  
**Purity by HPLC** 99%  
**Storage** Store at 0-8°C

**Remarks** 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**