

# *Chem-Impex International, Inc.*

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## *Product Specifications*

**Catalogue Number** 01320  
**Product**  **$\beta$ -(2-Thienyl)-L-alanine**  
3-L-Ala(2-thienyl)-OH  
(S)- $\alpha$ -Amino-2-thiophenepropionic acid

**CAS Number** 22951-96-8

**Molecular Formula** C<sub>7</sub>H<sub>9</sub>NO<sub>2</sub>S

**Molecular Weight** 171.2

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**Appearance** Off-white crystals

**Melting Point** 255  $\pm$  4 °C (dec.)

**Water Content (Karl Fisher)**  $\leq$  1.0%

**Optical Rotation**  $[\alpha]_D^{25} = -15 \pm 2^\circ$  (C=1 in 0.1N HCl)

**Infrared Spectrum** Conforms to structure

**D-Enantiomer**  $\leq$  0.5%

**Purity by HPLC**  $\geq$  99%

**Chiral Purity**  $\geq$  99.5% (ee)

**Storage** Store at RT

**Additional Information** UV in Acetonitrile/Water (1:1)  
 $\lambda_{\max}$ : 233.0 nm  $\pm$  1 nm;  
 $E_{\text{mol}}$  = 8000  $\pm$  500

**For Laboratory Use Only**