

# *Chem-Impex International, Inc.*

---

**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

---

## *Product Specifications*

<b>Catalogue Number</b>	04078
<b>Product</b>	<b>3-Benzothienyl-D-alanine</b>  3-D-Ala(3-benzothienyl)-OH  ( <i>R</i> )-2-Amino-3(benzo[ <i>b</i> ]thiophen-3-yl)propionic acid
<b>CAS Number</b>	111139-55-0
<b>Molecular Formula</b>	C <sub>11</sub> H <sub>11</sub> NO <sub>2</sub> S
<b>Molecular Weight</b>	221.3
<hr/>	
<b>Appearance</b>	Almost white powder
<b>Melting Point</b>	236-240 °C
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>25</sup> = + 27 ± 1 ° (C=1 in 90% AcOH)
<b>Related Substances</b>	≤ 1.0% (Total impurities)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Assay (anhydrous basis)</b>	≥ 99%
<b>Storage</b>	Store at 0-8°C

**For Laboratory Use Only**