

# 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>	41509
<b>Product</b>	<b>Ethyl (S)-1-Boc-4-oxopiperidine-2-carboxylate</b> Ethyl (S)-N-(tert-butoxycarbonyl)-4-oxo-2-pipecolate
<b>CAS Number</b>	180854-44-8
<b>Molecular Formula</b>	C <sub>13</sub> H <sub>21</sub> NO <sub>5</sub>
<b>Molecular Weight</b>	271.31

---

<b>Warnings</b>	<i>Keep cold!</i>
<b>Appearance</b>	Colorless to tan liquid
<b>Density</b>	1.079 g/mL at 25 °C
<b>Refractive Index</b>	$n_D^{20}$ 1.46
<b>Optical Rotation</b>	$[\alpha]_{22/D} = -12.0^\circ$ (C = 0.5 in Chloroform)
<b><sup>1</sup>H NMR</b>	Conforms to structure
<b>Purity by GC</b>	≥ 96.5%
<b>Storage</b>	Store at 2 - 8 °C

**For Laboratory Use Only**