

# *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>	10100
<b>Product</b>	<b>Tosyl-L-proline</b>  Tos-L-Pro-OH  (2S)-1-[(4-Methylphenyl)sulfonyl]pyrrolidine-2-carboxylic acid
<b>CAS Number</b>	51077-01-1
<b>Molecular Formula</b>	C <sub>12</sub> H <sub>15</sub> NO <sub>4</sub> S
<b>Molecular Weight</b>	269.32
<b>Appearance</b>	White powder
<b>Solubility</b>	Clear, colorless solution (50 mg/mL in MeOH)
<b>Melting Point</b>	57 - 59 °C
<b>Water Content (Karl Fisher)</b>	≤ 7%
<b>TLC System</b>	Chloroform/Methanol/Acetic acid (85:10:5) Toluene/Dioxane/Acetic acid (95:25:4) Chloroform/Methanol/Toluene/H <sub>2</sub> O (8:8:8:1) Plate: silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, chlorine-tolidine
<b>Optical Rotation</b>	[α] <sub>D</sub> <sup>24</sup> = -149 ± 1 ° (2.3% in H <sub>2</sub> O + 2 Aq. NaOH 1N)
<b>Assay</b>	≥ 93% (Cth 53.52% By elemental analysis)
<b>Purity by TLC</b>	≥ 99%
<b>Storage</b>	Store at RT

**For Laboratory Use Only**