

# 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

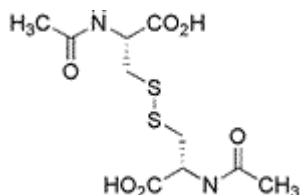
**Web site:** www.chemimpex.com

**Manufacturing site:**

825 Dillon Drive

Wood Dale, IL 60191

---



## Product Specifications

<b>Catalogue Number</b>	04347
<b>Product</b>	<b>(Ac-L-Cys-OH)<sub>2</sub> (Disulfide bond)</b> <i>N,N'</i> -Diacetyl-L-cystine
<b>CAS Number</b>	5545-17-5
<b>Molecular Formula</b>	C <sub>10</sub> H <sub>16</sub> N <sub>2</sub> O <sub>6</sub> S <sub>2</sub>
<b>Molecular Weight</b>	324.38

---

<b>Appearance</b>	White crystals
<b>Appearance of Solution</b>	Clear colorless solution ( 50 mg/mL in Acetic acid 80%)
<b>Water Content (Karl Fisher)</b>	≤ 2%
<b>TLC System</b>	n-Butanol/Acetic acid/Water (4:2:2) Ethylacetate/Pyridine/Acetic acid/Water (60:60:12:36) Plate: Silicagel 60 F <sub>254</sub> Detected by: UV, ninhydrin, TMB, Iodine
<b>Assay by titration</b>	≥ 99% (TBAH)
<b>D-Enantiomer</b>	≤ 0.5%
<b>Purity by TLC</b>	≥ 99%
<b>Chiral Purity</b>	≥ 99.5% (ee)
<b>Storage</b>	Store at 0 - 8 °C

**For Laboratory Use Only**