

# *Chem-Impex International, Inc.*

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## *Product Specifications*

**Catalogue Number** 05913

**Product** **S-Benzyl-L-cysteine benzyl ester 4-toluenesulfonate salt**

L-Cys(Bzl)-OBzl•TosOH

**CAS Number** 73995-16-1

**Molecular Formula** C<sub>17</sub>H<sub>19</sub>NO<sub>2</sub>S·C<sub>7</sub>H<sub>8</sub>O<sub>3</sub>S

**Molecular Weight** 473.59

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**Appearance** White powder

**Solubility** Clear, colorless solution (50 mg/ml in methanol)

**Melting Point** 154-164 °C

**Elemental Analysis (Found)** C = 60.87 ± 0.5%; H = 5.75 ± 0.5%; N = 2.96 ± 0.5%

**TLC System** Chloroform/Methanol/Acetic acid (77.5:15:7.5)  
Chloroform/Methanol/Benzene/H<sub>2</sub>O (8:8:8:1)  
Chloroform/Methanol (9:1)  
Plate: Silica gel 60 F<sub>254</sub>  
Detected by: UV, ninhydrin, chlorine-tolidine

**Optical Rotation** [α]<sub>D</sub><sup>24</sup> = -19 ± 2° (C=1% in Methanol)

**Purity by TLC** ≥ 99%

**Storage** Store at 0-8°C

**For Laboratory Use Only**