

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

Catalogue Number	05917
Product	S-Diphenylmethyl-L-cysteine
	L-Cys(Dpm)-OH
CAS Number	5191-80-0
Molecular Formula	C ₁₆ H ₁₇ NO ₂ S
Molecular Weight	287.38

Appearance	White powder
Appearance of Solution	Clear, colorless solution (50mg/ml in Acetic Acid 80%)
Melting Point	195-208 °C
Elemental Analysis (Theory)	C = 65.84%; H = 6.04%; N = 4.80%
Elemental Analysis (Found)	C = 65.54 ± 0.5%; H = 5.91 ± 0.5%; N = 4.74 ± 0.5%; Cal. As 0.25 H ₂ O (~1.5%)
Water Content (Karl Fisher)	≥ 1%
TLC System	n-butanol/Acetic Acid/H ₂ O (4:2:2) Ethylacetate/Pyridine/Acetic Acid/H ₂ O (6:4:1:3) Chloroform/Methanol/Acetic Acid 32% (5:3:1) Plate: Silica gel 60 F ₂₅₄ Detected by: UV, ninhydrin, chlorine-tolidine
Purity by TLC	≥ 99%
Storage	Store at RT

For Laboratory Use Only