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Product Specifications

Catalogue Number	05914
Product	S-Benzyl-L-cysteine ethyl ester hydrochloride
	L-Cys(Bzl)-OEt•HCl
CAS Number	52844-67-4
Molecular Formula	C ₁₂ H ₁₇ NO ₂ S•HCl
Molecular Weight	275.8

Appearance	White powder
Appearance of Solution	Clear colorless solution (50 mg/mL in ethanol)
Melting Point	160 - 162 °C
Elemental Analysis (Theory)	C = 52.26 ± 0.5% H = 6.58 ± 0.5% N = 5.08 ± 0.5%
TLC System	Ethyl acetate/Pyridine/Acetic acid/H ₂ O (60:10:3:4) Chloroform/Methanol/Acetic acid (77.5:15:7.5) Chloroform/Methanol/Benzene/H ₂ O (8:8:8:1) Plate: Silica gel 60 F ₂₅₄ Detected by : UV, ninhydrin, chlorine-tolidine
Titration	Chloride content : ≤ 13% (AgNO ₃)
Purity by TLC	≥ 99%
Storage	Store at 0 - 8 °C

For Laboratory Use Only