

Analytical Data Sheet

Lot number

1020510

not for drug use

Catalog Number	E-2720.0005
Product number	4012395.0005
Product	H- Cys(Bzl) – OEt · HCl
Molecular formula	C ₁₂ H ₁₇ NO ₂ S · HCl
Relative molecular mass	275.80

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in ethanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 52.26 %</td> <td>C = 51.98 %</td> </tr> <tr> <td>H = 6.58 %</td> <td>H = 6.70 %</td> </tr> <tr> <td>N = 5.08 %</td> <td>N = 5.05 %</td> </tr> </table>	Theory	Found	C = 52.26 %	C = 51.98 %	H = 6.58 %	H = 6.70 %	N = 5.08 %	N = 5.05 %
Theory	Found								
C = 52.26 %	C = 51.98 %								
H = 6.58 %	H = 6.70 %								
N = 5.08 %	N = 5.05 %								
Identification (TLC)	complies with authentic material								
Melting point	162 ° C								
Purity (TLC)	> 99%								
TLC conditions	ethylacetate/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: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine–tolidine								
Chloride content (titration)	12.9% (AgNO ₃)								
Latest update: November 28, 2008									