

Analytical Data Sheet

Lot number

1046380

not for drug use

Catalog Number	E-2120.0025
Product number	4000523.0025
Product	H- Cys(Mob) - OH
Molecular formula	C ₁₁ H ₁₅ NO ₃ S
Relative molecular mass	241.31

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (10 mg/mL in 80% formic acid)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 54.8%</td> <td>C = 54.6%</td> </tr> <tr> <td>H = 6.3%</td> <td>H = 6.3%</td> </tr> <tr> <td>N = 5.8%</td> <td>N = 5.7%</td> </tr> </table>	Theory	Found	C = 54.8%	C = 54.6%	H = 6.3%	H = 6.3%	N = 5.8%	N = 5.7%
Theory	Found								
C = 54.8%	C = 54.6%								
H = 6.3%	H = 6.3%								
N = 5.8%	N = 5.7%								
Identification (TLC)	complies with authentic material								
Melting point	215 °C								
Specific optical rotation	$[\alpha]_D^{24} = +24.5^\circ$ (1% in 1N sodium hydroxide)								
Purity (TLC)	> 99%								
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/60/12/36 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	99.1% (HClO ₄)								
Water content (KF volumetric)	0.3%								
Latest update: January 17, 2013									

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