

Analytical Data Sheet

Lot number

1044644

not for drug use

Catalog Number	C-1375.0250
Product number	4000853.0250
Product	Z- Asp- Met- OH
Molecular formula	C ₁₇ H ₂₂ N ₂ O ₇ S
Relative molecular mass	398.44

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)								
Identification (elemental analysis)	<table border="0"> <tr> <td>Theory</td> <td>Found</td> </tr> <tr> <td>C = 51.3%</td> <td>C = 51.1%</td> </tr> <tr> <td>H = 5.6%</td> <td>H = 5.6%</td> </tr> <tr> <td>N = 7.0%</td> <td>N = 7.0%</td> </tr> </table>	Theory	Found	C = 51.3%	C = 51.1%	H = 5.6%	H = 5.6%	N = 7.0%	N = 7.0%
Theory	Found								
C = 51.3%	C = 51.1%								
H = 5.6%	H = 5.6%								
N = 7.0%	N = 7.0%								
Identification (TLC)	complies with authentic material								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 ethylacetate/pyridine/acetic acid/H ₂ O 60/10/3/4 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Assay (titration)	98.5%								
Water content (KF volumetric)	0.4%								
Latest update: September 21, 2012									