

Analytical Data Sheet

Lot number **1066986**
not for drug use

Catalog number **F-2300.0005**
Product number **4007232.0005**
Product **Ac- D- Met- OH**
Molecular formula **C₇H₁₃NO₃S**
Relative molecular mass **191.25**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	Theory Found C = 44.0% C = 44.0% H = 6.9% H = 6.5% N = 7.3% N = 7.2%
Identification (TLC)	complies with authentic material
Melting point	105 °C
Specific optical rotation	$[\alpha]_D^{24} = +20.6^\circ$ (1% in H ₂ O)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 toluene/dioxane/acetic acid 95/25/4 plate: RP-8 silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (chiral chromatography)	0.3% L-enantiomer
Assay (elemental analysis)	100.0% (Cth 43.96%, Cfd 43.98%)

Latest update: July 22, 2016

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