

Analytical Data Sheet

Lot number **1076202**
not for drug use

Catalog number **A-3235.0001**
Product number **4003881.0001**
Product **Boc- Met- Met- OH**
Molecular formula $C_{15}H_{28}N_2O_5S_2$
Relative molecular mass 380.53

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (ESI-MS)	m = 380.5u (average mass)
Identification (elemental analysis)	Theory Found C = 47.4% C = 47.2% H = 7.4% H = 7.7% N = 7.4% N = 7.3%
Identification (TLC)	complies with authentic material
Melting point	84 °C
Specific optical rotation	$[\alpha]_D^{24} = -21.9^\circ$ (1% in methanol)
Purity (TLC)	> 99%
TLC conditions	chloroform/ethylacetate/acetic acid 50/50/2 chloroform/methanol/acetic acid 90/8/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.8% (Cth 47.35%, Cfd 47.24%)

Latest update: March 28, 2018

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