

Analytical Data Sheet

Lot number	1000035957 not for drug use
Product	H-Met-OH
Product number	4030850.0250
Molecular formula	C ₅ H ₁₁ NO ₂ S
Relative molecular mass	149.21

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in 1N HCl)
Identification (elemental analysis)	Theory Found C = 40.3% C = 40.3% H = 7.4% H = 7.4% N = 9.4% N = 9.4%
Identification (TLC)	complies with authentic material
Specific optical rotation	$[\alpha]_D^{24} = + 23.2^\circ$ (5% in 1N HCl)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/ H ₂ O 4/2/2 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Enantiomer content (GC)	< 0.10% D-enantiomer
Other amino acids (GC)	< 0.20%
Assay (elemental analysis)	99.6% (Nth 9.39%, Nfd 9.36%)

Latest update: August 07, 2020

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