

Analytical Data Sheet

Lot number **1000008906**
not for drug use

Catalog number **I-1265.0250**
Product number **4002590.0250**
Product **H- Met- AMC acetate salt**
Molecular formula **C₁₅H₁₈N₂O₃S**
Relative molecular mass **306.39**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (elemental analysis)	<p>Theory Found</p> <p>C = 55.4% C = 55.4%</p> <p>H = 6.1% H = 6.1%</p> <p>N = 7.6% N = 7.5%</p> <p>calc as: x 0.99 AcOH (16.2%) x 0.12 H₂O (0.6%)</p>
Identification (TLC)	complies with authentic material
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.1% AMC (7-amino-4-methylcoumarin) < 0.2% H-Met-OH
TLC conditions	ethylacetate/pyridine/acetic acid/H ₂ O 60/30/9/16.5 chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/acetic acid/H ₂ O 45/13/1/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	81.9% (Nth 9.14%, Nfd 7.49%)
Water content (KF volumetric)	0.6%
Acetic acid content (HPLC)	16.2%

Latest update: November 14, 2018

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