

Analytical Data Sheet

Lot number **1059506**
not for drug use

Catalog number **Q-1840.0001**
Product number **4017035.0001**
Product **3- (Acetamido- methylsulfanyl) - propionic acid**
Molecular formula **C₆H₁₁NO₃S**
Relative molecular mass **177.22**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/ml in tetrahydrofuran)
Identification (elemental analysis)	Theory Found C = 40.7% C = 40.5% H = 6.3% H = 6.2% N = 7.9% N = 7.9%
Identification (TLC)	complies with authentic material
Melting point	73 °C
Purity (HPLC)	97.9%
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/acetic acid(98-100%)/H ₂ O 45/13/1/2 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Water content (KF volumetric)	0.7%

Latest update: May 26, 2015

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