

Analytical Data Sheet

Lot number **1070705**
not for drug use

Catalog number **I-1355.0050**
Product number **4009168.0050**
Product **Suc- Leu- Tyr- AMC**
Molecular formula $C_{29}H_{33}N_3O_8$
Relative molecular mass 551.60

Tests	Results								
Appearance	white powder								
Appearance of solution	clear, colorless solution (50 mg/ml in AcOH 80 %)								
Identification (elemental analysis)	<table><thead><tr><th>Theory</th><th>Found</th></tr></thead><tbody><tr><td>C = 62.74 %</td><td>C = 62.30 %</td></tr><tr><td>H = 6.06 %</td><td>H = 6.07 %</td></tr><tr><td>N = 7.57 %</td><td>N = 7.49 %</td></tr></tbody></table> <p>Calc. as 0.2 H₂O (0.65 %)</p>	Theory	Found	C = 62.74 %	C = 62.30 %	H = 6.06 %	H = 6.07 %	N = 7.57 %	N = 7.49 %
Theory	Found								
C = 62.74 %	C = 62.30 %								
H = 6.06 %	H = 6.07 %								
N = 7.57 %	N = 7.49 %								
Melting point	190 °C								
Purity (TLC)	> 99%								
TLC conditions	chloroform/methanol/benzene/H ₂ O 8/8/8/1 chloroform/methanol/acetic acid 85/10/5 chloroform/methanol/acetic acid/H ₂ O 85/13/0.5/1.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine								
Water content (KF volumetric)	0.4%								

Latest update: March 09, 2017

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