

Analytical Data Sheet

Lot number **1062257**
not for drug use

Catalog number **I-1335.0050**
Product number **4005965.0050**
Product **Suc- Ala- Pro- Ala- AMC**
Molecular formula $C_{25}H_{30}N_4O_8$
Relative molecular mass 514.54

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (5 % in water)
Identification (ESI-MS)	m = 514.5u (average mass)
Purity (TLC)	≥ 98%
Related impurities (TLC)	< < 0.1% 7-amido-4-methylcoumarin
TLC conditions	chloroform/methanol/acetic acid 77.5/15/7.5 chloroform/methanol/acetic acid/H ₂ O 90/10/0.5/1 ethylacetate/pyridine/acetic acid/H ₂ O 60/20/6/11 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, Pauly
Assay (elemental analysis)	92.2% (Nth 10.98%, Nfd 10.04%)
Water content (KF volumetric)	7.5%

Latest update: November 16, 2015

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