

## Analytical Data Sheet

Lot number **1000007137**  
not for drug use

Catalog number **I-1310.0050**  
Product number **4006305.0050**  
Product **Suc- Ala- Ala- Ala- AMC**  
Molecular formula  $C_{23}H_{28}N_4O_8$   
Relative molecular mass 488.50

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (20 mg/ml in 80 % acetic acid)
Purity (HPLC)	99.4% (TFA) 99.4% (NaClO <sub>4</sub> )
Purity (TLC)	> 99%
Related impurities (TLC)	< 0.1% AMC (7-amino-4-methylcoumarin)
TLC conditions	chloroform/methanol/acetic acid(98-100%)/H <sub>2</sub> O 45/13/1/2 ethylacetate/pyridine/acetic acid/H <sub>2</sub> O 60/20/6/11 chloroform/methanol/acetic acid/H <sub>2</sub> O 70/42/0.5/10 plate: silicagel 60 F <sub>254</sub> detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	98.9% (Nth 11.47 %, Nfd 11.34 %)
Water content (KF volumetric)	0.3%

Latest update: November 05, 2018

**Analytical Data Sheet**  
Lot number **1000007137**