

Analytical Data Sheet

Lot number **1000026378**
not for drug use

Catalog number I-1750.0050
Product number 4027817.0050
Product **Suc- Ala- Glu- Pro- Phe- AMC**
Molecular formula $C_{36}H_{41}N_5O_{11}$
Relative molecular mass 719.75

Tests	Results
Appearance	white product
Appearance of solution	clear, colorless solution (10 mg/ml in acetic acid 50 %)
Identification (FAB-MS)	$[M + H]^+ : m/z = 720 \text{ u}$
Purity (HPLC)	99.1% (TFA) 98.9% (NaClO ₄)
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.1% AMC (7-amino-4-methylcoumarin)
TLC conditions	chloroform/methanol/acetic acid/H ₂ O 60/45/14/6 plate: silicagel 60 F ₂₅₄ detected by: UV, chlorine-tolidine
Assay (elemental analysis)	93% (Nth 9.73 %, Nfd 9.08 %)

Latest update: December 18, 2019

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