

Analytical Data Sheet

Lot number **1000031698**
not for drug use

Catalog number **M-2285.0001**
Product number **4027937.0001**
Product **FITC- Tyr- Val- Ala- Asp- Ala- Pro- Lys(Dnp) - OH**
(Contains FITC isomer I)
Molecular formula **C₆₂H₆₇N₁₁O₂₀S**
Relative molecular mass **1318.34**

Tests	Results
Appearance	yellow-orange powder
Identification (FAB-MS)	[M + H] ⁺ : m/z = 1318.8 u
Amino acid analysis	Asx 1.00 (1) Pro 0.98 (1) Ala 1.92 (2) Val 1.00 (1)
Solubility	soluble in basic solvents
Purity (TLC)	> 95%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	94.1% (Nth 11.69 %, Nfd 11.00 %)
General comment	this product is sensitive to light and acids

Latest update: April 23, 2020

Analytical Data Sheet
Lot number **1000031698**