

Analytical Data Sheet

Lot number

0538314

not for drug use

Catalog Number	I-1760.0005
Product number	4027891.0005
Product	Z- Ile- Glu- Thr- Asp- AFC
Molecular formula	C ₃₇ H ₄₂ F ₃ N ₅ O ₁₃
Relative molecular mass	821.76

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in dimethylformamide)
Identification (FAB-MS)	[M+H] ⁺ : m/z = 822 u
Amino acid analysis	Asx 1.2 (1) Glx 1.0 (1) Thr 1.1 (1) Ile 1.0 (1)
Purity (HPLC)	97.6% (TFA) 99.1% (NaClO ₄)
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.1% 7-Amido-4-trifluoromethylcoumarin
TLC conditions	chloroform/methanol/acetic acid 32% 15/4/1 chloroform/methanol/acetic acid/H ₂ O 70/42/0.5/10 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	98.0% (Nth 8.52%, Nfd 8.35%)
Water content (KF volumetric)	1.9%
Latest update: October 25, 2008	