

Analytical Data Sheet

Lot number	1000034882 not for drug use
Product	Bz-Ile-Glu-Gly-Arg-pNA acetate salt
Product number	4003874.0005
Molecular formula	C ₃₂ H ₄₃ N ₉ O ₉
Relative molecular mass	697.75

Tests	Results
Appearance	slightly yellow powder
Appearance of solution	clear, slightly yellow solution (50 mg/mL in 70% methanol)
Identification (TLC)	complies with authentic material
Purity (HPLC)	99.4% (TFA) 99.1% (NaClO ₄)
Purity (TLC)	> 99%
TLC conditions	chloroform/methanol/acetic acid 32% 5/3/1 ethylacetate/pyridine/acetic acid/ H ₂ O 60/30/9/16.5 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (elemental analysis)	86.9% (Nth 18.07%, Nfd 15.71%)
Water content (KF volumetric)	1.6%
Acetic acid content (HPLC)	9.7%

Latest update: July 09, 2020

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