

Analytical Data Sheet

Lot number	1000048047 not for drug use
Product	IGF-I (1-3) H-Gly-Pro-Glu-OH
Product number	4026104.0250
Molecular formula	C ₁₂ H ₁₉ N ₃ O ₆
Relative molecular mass	301.30

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (25 mg/mL in water)
Identification (ESI-MS)	m= 301.2u (average mass)
Purity (HPLC)	99.7% (ionic pair C ₇)
Purity (TLC)	> 99%
TLC conditions	isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 n-butanol/acetic acid/H ₂ O 4/2/2 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	99.1% (Nth 13.95%, Nfd 13.82%)

Latest update: March 30, 2021

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