

Analytical Data Sheet

Lot number

1028048

not for drug use

Catalog Number	J-1165.0250
Product number	4009120.0250
Product	Z- Val- Lys- Lys- Arg- 4MβNA hydrochloride salt
Molecular formula	C ₄₂ H ₆₂ N ₁₀ O ₇
Relative molecular mass	819.02

Tests	Results
Appearance	beige lyophilisate
Appearance of solution	clear, slightly yellow solution (50 mg/mL in water)
Identification (ESI-MS)	m = 819.0u (average mass)
Identification (TLC)	complies with authentic material
Purity (HPLC)	97.3% (TFA)
Purity (TLC)	> 98%
Related impurities (TLC)	< 0.1% 4MβNA
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 chloroform/methanol/acetic acid 32% 5/3/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	84.7% (Nth 17.10%, Nfd 14.45%)
Latest update: February 05, 2010	