

Analytical Data Sheet

Lot number

1013675

not for drug use

Catalog Number	H-4404.0025
Product number	4028768.0025
Product	PAR- 4 (1- 6) (mouse) trifluoroacetate salt H- Gly- Tyr- Pro- Gly- Lys- Phe- OH trifluoroacetate salt
Molecular formula	C ₃₃ H ₄₅ N ₇ O ₈
Relative molecular mass	667.76

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (50 mg/ml H ₂ O)
Identification (ESI-MS)	m = 667.8u (average mass)
Amino acid analysis	Gly 2.18 (2) Pro 1.01 (1) Tyr 0.99 (1) Lys 1.00 (1) Phe 1.00 (1)
Identification (TLC)	complies with authentic material
Purity (HPLC)	98.8% (NaClO ₄) 99.0% (TFA)
Purity (TLC)	> 99%
TLC conditions	methanol/chloroform/ammonia 17% 2/2/1 n-butanol/acetic acid/H ₂ O 4/2/2 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, chlorine-tolidine
Assay (elemental analysis)	71.7% (Nth 14.68 %, Nfd 10.53 %)
Water content (KF coulometric)	2.9%
Latest update: October 24, 2008	