

Analytical Data Sheet

Lot number	1000035538 not for drug use
Product	(D-Trp⁶)-LHRH (free acid) trifluoroacetate salt Pyr-His-Trp-Ser-Tyr-D-Trp-Leu-Arg-Pro-Gly-OH trifluoroacetate salt
Product number	4026526.0025
Molecular formula	C ₆₄ H ₈₁ N ₁₇ O ₁₄
Relative molecular mass	1312.45

Tests	Results
Appearance	white lyophilisate
Appearance of solution	clear, colorless solution (1 mg/mL in water)
Identification (ESI-MS)	m = 1312.4u (average mass)
Amino acid analysis	Ser det. (1) Pro 1.00 (1) Glx 0.96 (1) Tyr 1.00 (1) Gly 1.02 (1) Leu 0.98 (1) His 1.00 (1) Trp det. (2) Arg 1.00 (1)
Purity (HPLC)	98.7% (TFA)
Assay (elemental analysis)	79.8% (N _{th} 18.14% N _{fd} 14.48%)
Water content (KF volumetric)	1.6%
Trifluoroacetic acid content (HPLC)	16.8%
Mass balance	98.2% (assay + trifluoroacetic acid content + water content)

Latest update: July 17, 2020

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