

Analytical Data Sheet

Lot number	1000052668 not for drug use
Product	LHRH (1-5) (free acid) trifluoroacetate salt Pyr-His-Trp-Ser-Tyr-OH trifluoroacetate salt
Product number	4028309.0025
Molecular formula	$C_{34}H_{38}N_6O_9$
Relative molecular mass	702.72

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (10 mg/mL in AcOH 80%)
Identification (ESI-MS)	m= 702.2 u (monoisotopic mass)
Identification (elemental analysis)	C-Value 50.37% H-Value 5.09% N-Value 12.94% calc. as x 1 TFA (13.40%) x 2 H ₂ O (4.24%)
Purity (HPLC)	98.34% (TFA)
Assay (elemental analysis)	81.1% (Nth= 15.95%, Nfd= 12.94%)
Water content (KF volumetric)	4.4%
Trifluoroacetic acid content (HPLC)	13.8%

Latest update: July 21, 2021

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