

Analytical Data Sheet

Lot number	1000049942 not for drug use
Product	(d(CH₂)₅¹,Tyr(Me)²,Orn⁸)-Oxytocin trifluoroacetate salt β-Mercapto-β,β-cyclopentamethylene-propionyl-Tyr(Me)-Ile-Gln-Asn-Cys-Pro-Orn-Gly-NH ₂ trifluoroacetate salt (Disulfide bond)
Product number	4034493.0001
Molecular formula	C ₄₈ H ₇₄ N ₁₂ O ₁₂ S ₂
Relative molecular mass	1075.32

Tests	Results
Appearance	white powder
Identification (MALDI-MS)	1074.95
Amino acid analysis	Asx 1.05 (1) Cys** 0.17 (1) Glx 0.95 (1) Ile 0.97 (1) Pro* 1.21 (1) TMe*** Det (1) Gly 1.02 (1) Orn Det (1)
	* proline value high due to the incorporation of cysteine ** partially destroyed during acid hydrolysis *** TMe detected as Tyr(Me)
Solubility	soluble in water at 1mg/mL
Purity (HPLC)	99.2%
Assay (AAA)	97.3%

Latest update: July 22, 2021

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