



CERTIFICATE OF ANALYSIS

Product Name	Selank (Cat.# 319106, >99% purity)
Lot No.	7607-0814
Sequence	Thr-Lys-Pro-Arg-Pro-Gly-Pro (Heptapeptide analogue of tuftsin)
Dissolution condition	100% H2O
Length	7AA
Modification	None
Molecular Weight (MW)	791.93
Storage	-20°C

	Specifications	Results
Appearance	White to off-white lyophilized powder	Conforms
MW by MS	791.9±1Da	791.9Da
Dissolution	Tested: Water PBS DMSO	Water: soluble, 100mg/ml PBS: soluble, 100mg/ml DMSO: soluble, 100mg/ml
pH value	7.0–8.0	7.2
TFA	≤0.5%	0%, undetectable
Acetate	≤5.0%	0%, undetectable
Sodium salt	≤5.0%	0.7%
Purity	≥99.0%	99.57%
Impurity — Single	≤1.0%	0.3%
Impurity — Total	≤2.0%	0.3%
Polymer	≤0.5%	0.04%
Net peptide content (NPC)	≥85.0%	97.5%
Water	≤8.0%	3.5%

Certified by:
Quality Assurance Department

Apr/03/2026



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Lot No. **7607-0814**

	Specifications	Results
Methanol	≤0.3%	0.01%
Acetonitrile	≤0.041%	0.004%
Dichloromethane	≤0.06%	0%, undetectable
Methyl-t-Butyl Ether	≤0.5%	0%, undetectable
N,N-Dimethylformamide	≤0.088%	0%, undetectable
Threonine	1.6~2.4	2.0
Glycine	1.6~2.4	1.9
Lysine	1.6~2.4	1.9
Proline	2.4~3.6	2.9
Endotoxin	≤10 EU/mg	Conforms
Microorganism limit — Aerobic bacteria	≤10 ³ cfu/g	Conforms
Microorganism limit — Moulds and yeasts	≤10 ³ cfu/g	Conforms

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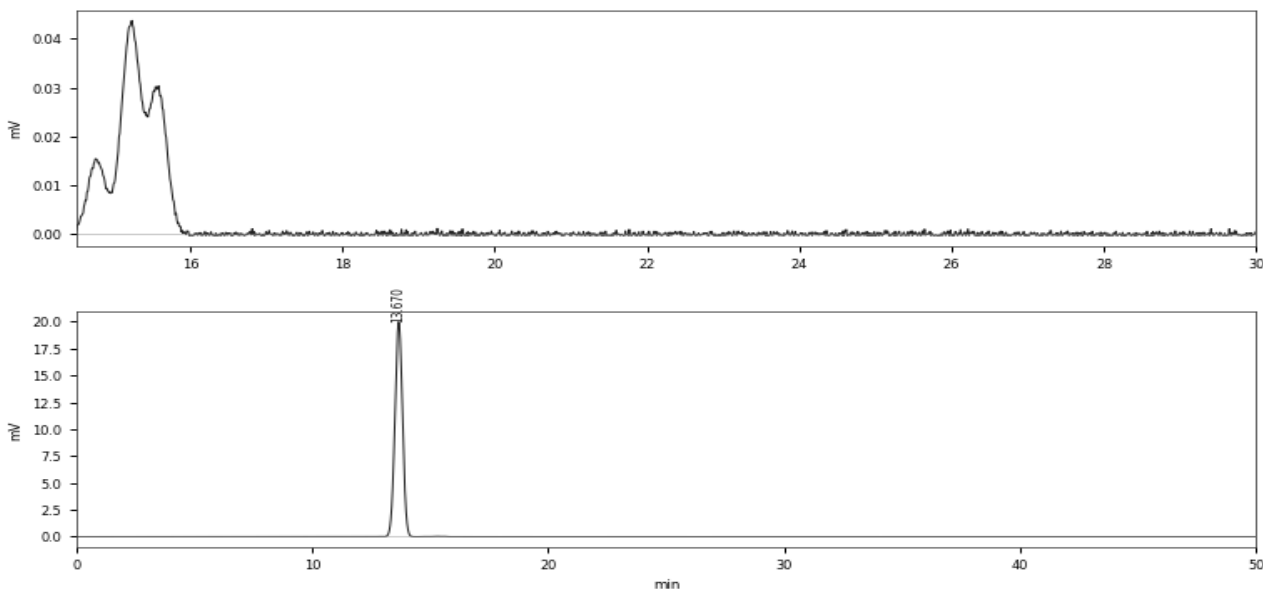
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Single Injection Report

Sequence Name : Selank
 Sample name : 7607
 Sample ID : 7607
 Data file name : 7607.lcd
 Method File Name : TZP-52min.lcm
 Batch file name : 260403-01.lcb
 Sample bottle number : 1-6
 Injection volume : 10 uL
 Date of analysis : 2026/04/03 23:01:53
 Date of processing : 2026/04/03 23:53:54

VWD1A, Wavelength = 214 nm

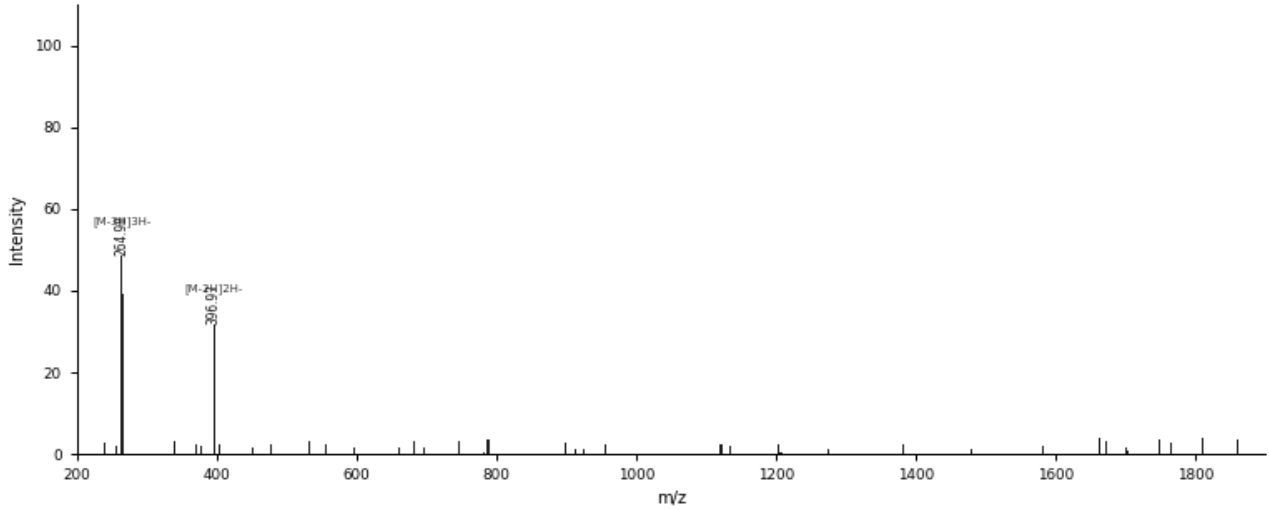


Signal: VWD1A, Wavelength = 214 nm

	RT [min]	Area	Height	Area%	Plate_number	Tailing factor	Resolution
1	12.87	7956	340	0.081	46428	--	--
2	13.67	9775377	421509	99.57	32603	2.1	0.6
3	14.77	6981	313	0.071	23822	--	0.9
4	15.22	15749	663	0.16	32982	--	0.9
5	15.57	11528	542	0.117	28437	--	0.7
		9817591	441791	100.000			

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MS Spectrum



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI
Date Acquired	:2026/04/03 14:32:27	Nebulizing Gas Flow	:1.5L0/min
Injection Volume	:0.2ul	CDL Temp	:250°C
Block Temp	:200	CDL Volt	:0v
		Prerod Bias	:+4.5kv
		Detector	:-0.2kv
		T.Flow	:0.2ml/min
		B.conc	:50%H2O/50%MEOH

Order ID :7607
Name :Selank
Sequence :Thr-Lys-Pro-Arg-Pro-Gly-Pro (Heptapeptide analogue of tuftsin)
Lot.No :7607-0814
Theoretical :791.93
Observed :791.9