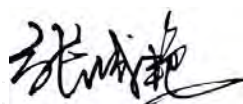


CERTIFICATE OF ANALYSIS

Product Name	Retatrutide / LY3437943 (Cat.# 319206, >99% purity)
Lot No.	6009-0926
Sequence	Tyr-{Aib}-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile- α -Me-Leu-Leu-Asp-Lys-{diacid-C20-gamma-Glu-(AEEA)-Lys}-Ala-Gln-{Aib}-Ala-Phe-Ile-Glu-Tyr-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH ₂ (Sodium salt)
Dissolution condition	100% H ₂ O
Length	39AA
Modification	sodium salt
Molecular Weight (MW)	4731.33
Storage	-20°C

	Specifications	Results
Appearance	White to off-white lyophilized powder	Conforms
MW by MS	4731.4 $\pm$ 1Da	4731.2Da
Dissolution	Tested: Water PBS DMSO	Water: soluble, 100mg/ml PBS: soluble, 100mg/ml DMSO: soluble, 100mg/ml
pH value	7.0-8.0	7.4
TFA	$\leq$ 0.5%	0%,undetectable
Acetate	$\leq$ 5.0%	0%,undetectable
Sodium salt	$\leq$ 5.0%	1.1%
Purity	$\geq$ 99.0%	99.454%
Impurity	Single Impurity $\leq$ 1.0%	0.3%
	Total Impurity $\leq$ 2.0%	0.3%
Polymer	$\leq$ 0.5%	0.09%
Net peptide content (NPC)	$\geq$ 85.0%	96.5%
Water	$\leq$ 8.0%	5.2%

Certified by:



Quality Assurance Department

Sep/26/2025



CERTIFICATE OF ANALYSIS

Product Name Retatrutide / LY3437943 (Cat.# 319206, >99% purity)

Lot No. 6009-0926

	Specifications	Results
Methanol	≤0.3%	0.02%
Acetonitrile	≤0.041%	0.006%
Dichloromethane	≤0.06%	0%,undetectable
Methyl-t-Butyl Ether	≤0.5%	0%,undetectable
N,N-Dimethylformamide	≤0.088%	0%,undetectable
Aspartic acid	1.6~2.4	1.8
Threonine	1.6~2.4	1.8
Serine	4.0~6.0	4.1
Glutamic acid	4.0~6.0	4.6
Glycine	3.2~4.8	3.6
Alanine	2.4~3.6	2.7
Isoleucine	1.6~2.4	2.2
Leucine	2.4~3.6	2.8
Tyrosine	2.4~3.6	2.7
Phenylalanine	1.6~2.4	1.8
Lysine	1.6~2.4	1.9
Proline	3.2~4.8	3.6
Endotoxin	≤10EU/mg	Conforms
Microorganism limit	Aerobic bacteria ≤10 ³ cfu/g	Conforms
	Moulds and yeasts ≤10 ³ cfu/g	Conforms

Certified by:



Quality Assurance Department

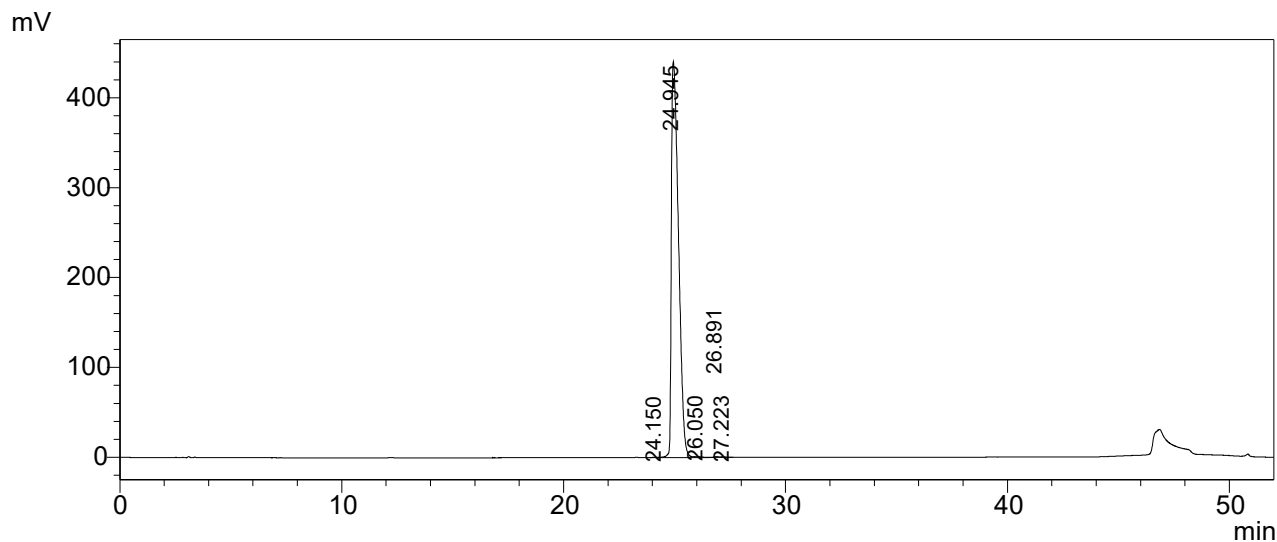
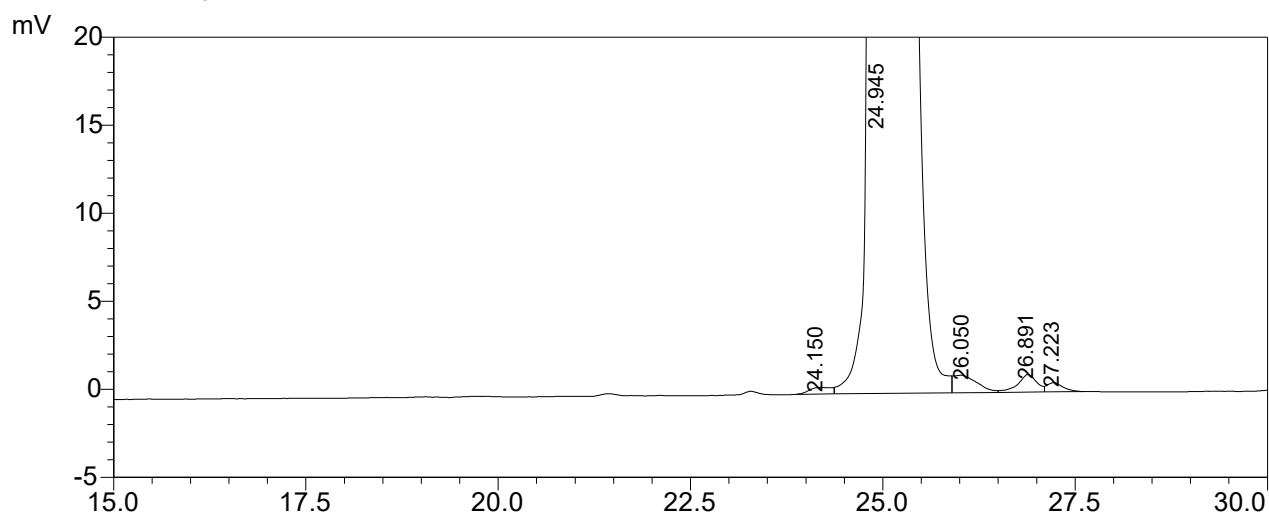
Sep/26/2025



Single Injection Report

Sequence Name: : Retatrutide
 Sample name: : 6009
 Sample ID: : 6009
 Data file name: : 6009.lcd
 Method File Name: : TZP-52min.lcm
 Batch file name: : 250918-01.lcb
 Sample bottle number : 1-6
 Injection volume: : 10 uL
 Date of analysis: : 2025/09/18 23:01:53
 Date of processing : 2025/09/18 23:53:54

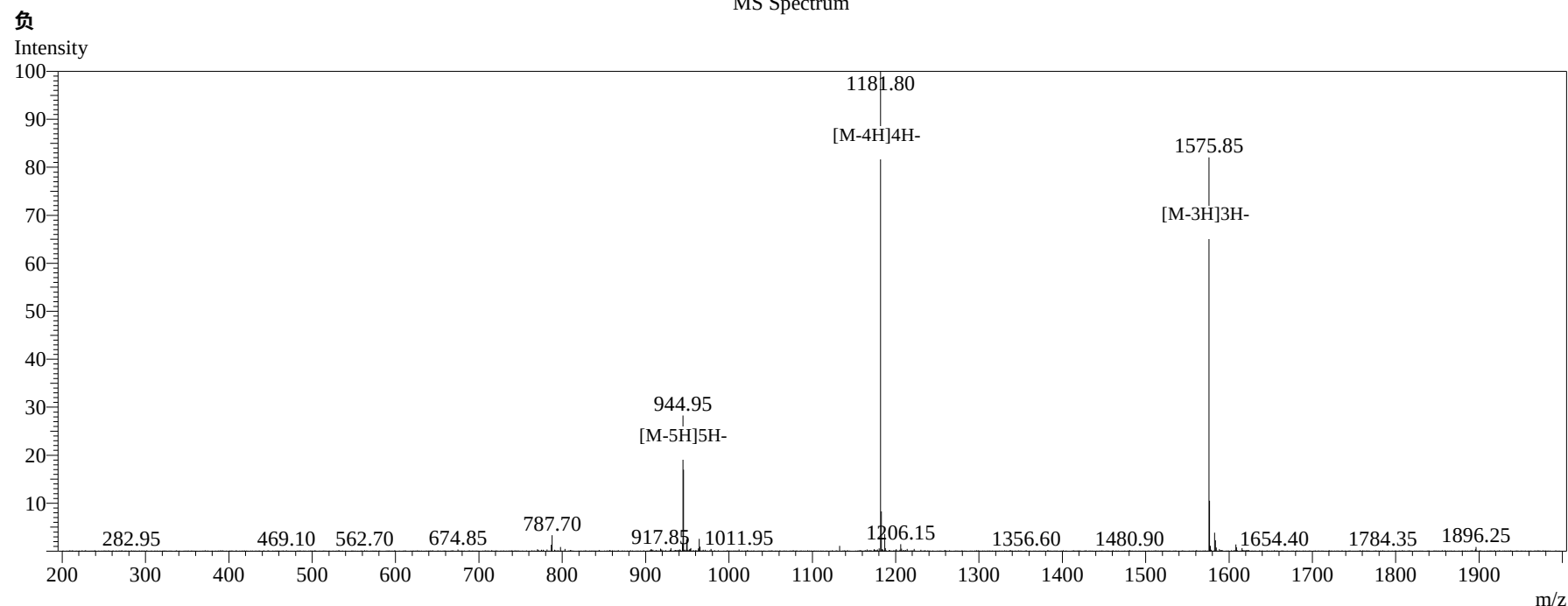
VWD1A,Wavelength=214 nm



Signal:VWD1A,Wavelength=214 nm

	RT [min]	Area	Height	Area%	Plate_number	Tailing factor	Resolution
1	24.150	7669	367	0.078	5675	--	--
2	24.945	9775377	440115	99.454	27635	2.1	0.8
3	26.050	21186	985	0.216	2116	--	0.8
4	26.891	17222	1004	0.175	60350	--	0.6
5	27.223	7576	527	0.077	52111	--	0.7
		9829029	442997	100.000			

MS Spectrum



Sample Information

Dissolution method	:15%ACN+85%H2O	Interface	:ESI	Prerod Bias	:+4.5kv
Date Acquired	:2025/09/18 14:32:27	Nebulizing Gas Flow	:1.5L0/min	Detector	:-0.2kv
Injection Volume	:0.2ul	CDL Temp	:250°C	T.Flow	:0.2ml/min
Block Temp	:200	CDL Volt	:0v	B.conc	:50%H2O/50%MEOH
Order ID	:6009				
Name	:Retatrutide				
Sequence	:Tyr-{Aib}-Gln-Gly-Thr-Phe-Thr-Ser-Asp-Tyr-Ser-Ile-{α-Me-Leu}-Leu-Asp-Lys-{diacid-C20-gamma-Glu-(AEEA)-Lys}-Ala-Gln-{Aib}-Ala-Phe-Ile-Glu-Tyr-Leu-Leu-Glu-Gly-Gly-Pro-Ser-Ser-Gly-Ala-Pro-Pro-Pro-Ser-NH2				
Lot.No	:6009-0926				
Theoretical	:4731.4				
Observed	:4731.2				