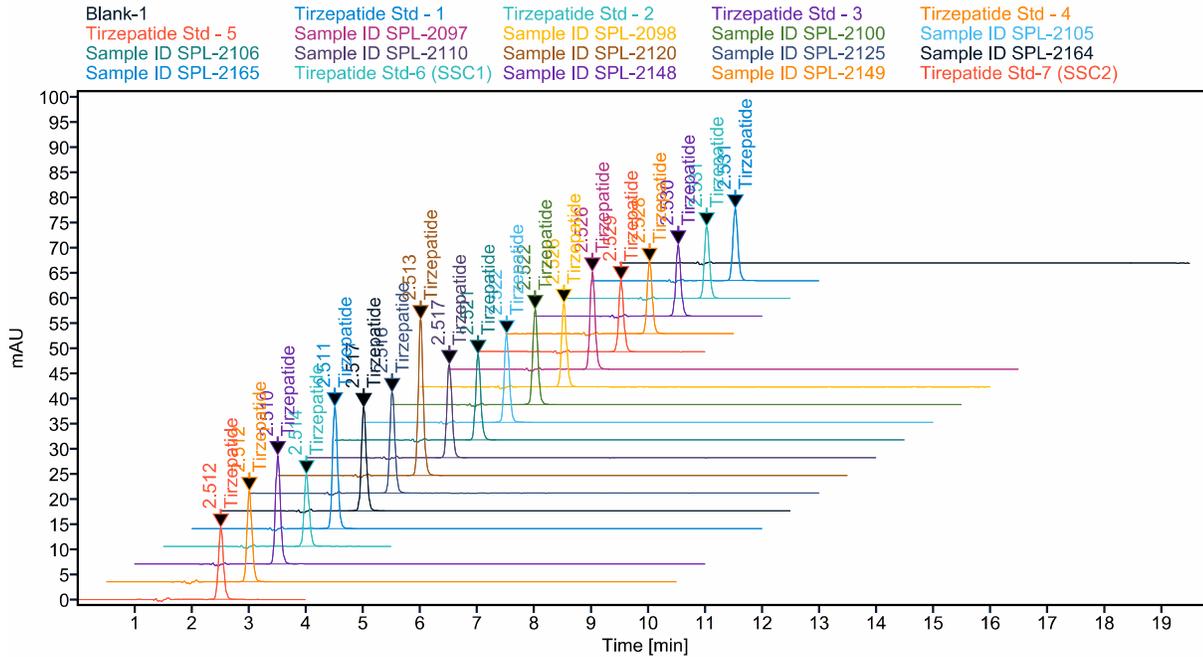


Sample Potency and ID Report

Sequence Name 1001_hmp_102925

Sequence Acquired Date 2025-10-29 11:35:36-04:00

Overlay Chromatogram



Potency and ID Results

Sample Name	Name	RT	Area	Multiplier	Amount	Unit	UV Match Factor	Peak Purity
Tirzepatide Std - 1	Tirzepatide	2.531	89.5	1;1;1;1;1	9.33	%	1000	1000
Tirzepatide Std - 2	Tirzepatide	2.531	89.5	1;1;1;1;1	9.33	%	1000	1000
Tirzepatide Std - 3	Tirzepatide	2.530	89.6	1;1;1;1;1	9.34	%	1000	1000
Tirzepatide Std - 4	Tirzepatide	2.528	89.4	1;1;1;1;1	9.31	%	1000	1000
Tirzepatide Std - 5	Tirzepatide	2.529	89.5	1;1;1;1;1	9.32	%	1000	1000
Sample ID SPL-2097	Tirzepatide	2.526	121.5	8.33333;1;1;1;1	105.52	%	1000	1000
Sample ID SPL-2098	Tirzepatide	2.526	103.7	10;1;1;1;1	108.07	%	1000	1000
Sample ID SPL-2100	Tirzepatide	2.522	119.0	8.33333;1;1;1;1	103.35	%	1000	1000
Sample ID SPL-2105	Tirzepatide	2.522	109.9	10;1;1;1;1	114.56	%	1000	1000
Sample ID SPL-2106	Tirzepatide	2.521	107.3	10;1;1;1;1	111.80	%	1000	1000
Sample ID SPL-2110	Tirzepatide	2.517	117.0	10;1;1;1;1	121.95	%	1000	1000
Sample ID SPL-2120	Tirzepatide	2.513	194.5	8.33333;1;1;1;1	168.88	%	998	998

Sample Potency and ID Report

Sample Name	Name	RT	Area	Multiplier	Amount	Unit	UV Match Factor	Peak Purity
Sample ID SPL-2125	Tirzepatide	2.516	125.1	8.33333;1;1;1;1	108.65	%	1000	1000
Sample ID SPL-2164	Tirzepatide	2.517	129.8	8.33333;1;1;1;1	112.68	%	1000	1000
Sample ID SPL-2165	Tirzepatide	2.511	152.6	8.33333;1;1;1;1	132.50	%	999	999
Tirzepatide Std-6 (SSC1)	Tirzepatide	2.514	89.3	1;1;1;1;1	9.31	%	1000	1000
Sample ID SPL-2148	Tirzepatide	2.510	134.6	8.33333;1;1;1;1	116.89	%	1000	1000
Sample ID SPL-2149	Tirzepatide	2.512	112.3	10;1;1;1;1	117.06	%	1000	1000
Tirzepatide Std-7 (SSC2)	Tirzepatide	2.512	89.3	1;1;1;1;1	9.31	%	1000	1000

Purity Results

Sample Name	Name	RT	Area	Peak Area Percent
Tirzepatide Std - 1	Tirzepatide	2.531	89.5	100.000
Tirzepatide Std - 2	Tirzepatide	2.531	89.5	100.000
Tirzepatide Std - 3	Tirzepatide	2.530	89.6	100.000
Tirzepatide Std - 4	Tirzepatide	2.528	89.4	100.000
Tirzepatide Std - 5	Tirzepatide	2.529	89.5	100.000
Sample ID SPL-2097		1.799	0.0	0.033
Sample ID SPL-2097		1.945	0.1	0.078
Sample ID SPL-2097		2.085	0.1	0.048
Sample ID SPL-2097		2.212	0.0	0.013
Sample ID SPL-2097	Tirzepatide	2.526	121.5	99.828
Sample ID SPL-2098		1.769	0.0	0.010
Sample ID SPL-2098		1.839	0.0	0.011
Sample ID SPL-2098		1.952	0.1	0.051
Sample ID SPL-2098		2.082	0.1	0.125
Sample ID SPL-2098		2.189	0.0	0.004
Sample ID SPL-2098		2.282	0.0	0.009
Sample ID SPL-2098	Tirzepatide	2.526	103.7	99.790

Sample Potency and ID Report

Sample Name	Name	RT	Area	Peak Area Percent
Sample ID SPL-2100		1.766	0.0	0.003
Sample ID SPL-2100		1.846	0.0	0.026
Sample ID SPL-2100		1.951	0.0	0.040
Sample ID SPL-2100		2.076	0.0	0.030
Sample ID SPL-2100		2.199	0.0	0.013
Sample ID SPL-2100	Tirzepatide	2.522	119.0	99.888
Sample ID SPL-2105		1.764	0.0	0.011
Sample ID SPL-2105		1.934	0.0	0.040
Sample ID SPL-2105		2.086	0.1	0.071
Sample ID SPL-2105		2.178	0.0	0.003
Sample ID SPL-2105	Tirzepatide	2.522	109.9	99.875
Sample ID SPL-2106		1.802	0.0	0.012
Sample ID SPL-2106		1.962	0.0	0.021
Sample ID SPL-2106		2.080	0.1	0.060
Sample ID SPL-2106	Tirzepatide	2.521	107.3	99.907
Sample ID SPL-2110		1.772	0.0	0.004
Sample ID SPL-2110		1.816	0.0	0.009
Sample ID SPL-2110		1.936	0.0	0.024
Sample ID SPL-2110		2.079	0.1	0.052
Sample ID SPL-2110	Tirzepatide	2.517	117.0	99.911
Sample ID SPL-2120		1.769	0.0	0.006
Sample ID SPL-2120		1.859	0.0	0.000
Sample ID SPL-2120		1.892	0.0	0.007
Sample ID SPL-2120		1.962	0.0	0.013
Sample ID SPL-2120		2.086	0.1	0.026
Sample ID SPL-2120		2.125	0.0	0.006
Sample ID SPL-2120	Tirzepatide	2.513	194.5	99.941

Sample Potency and ID Report

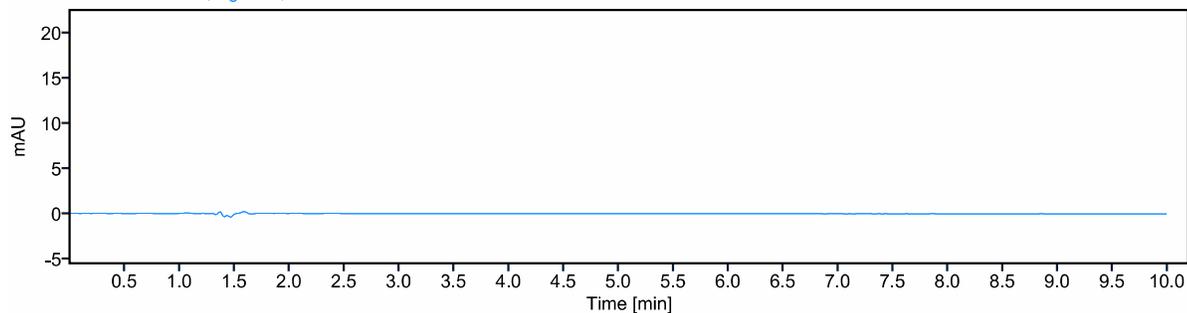
Sample Name	Name	RT	Area	Peak Area Percent
Sample ID SPL-2125		1.934	0.1	0.064
Sample ID SPL-2125		2.084	0.1	0.100
Sample ID SPL-2125	Tirzepatide	2.516	125.1	99.836
Sample ID SPL-2164		1.751	0.0	0.004
Sample ID SPL-2164		1.805	0.0	0.002
Sample ID SPL-2164		1.865	0.0	0.002
Sample ID SPL-2164		1.947	0.0	0.016
Sample ID SPL-2164		2.090	0.2	0.118
Sample ID SPL-2164		2.199	0.0	0.002
Sample ID SPL-2164	Tirzepatide	2.517	129.8	99.857
Sample ID SPL-2165		1.780	0.0	0.005
Sample ID SPL-2165		1.873	0.0	0.001
Sample ID SPL-2165		1.941	0.1	0.054
Sample ID SPL-2165		2.082	0.3	0.192
Sample ID SPL-2165	Tirzepatide	2.511	152.6	99.747
Tirzepatide Std-6 (SSC1)	Tirzepatide	2.514	89.3	100.000
Sample ID SPL-2148		1.777	0.0	0.008
Sample ID SPL-2148		1.970	0.2	0.157
Sample ID SPL-2148		2.060	0.4	0.281
Sample ID SPL-2148	Tirzepatide	2.510	134.6	99.414
Sample ID SPL-2148		2.925	0.2	0.140
Sample ID SPL-2149		1.864	0.0	0.008
Sample ID SPL-2149		1.930	0.0	0.005
Sample ID SPL-2149		1.974	0.0	0.021
Sample ID SPL-2149		2.071	0.1	0.050
Sample ID SPL-2149		2.237	0.0	0.007
Sample ID SPL-2149	Tirzepatide	2.512	112.3	99.909

Sample Potency and ID Report

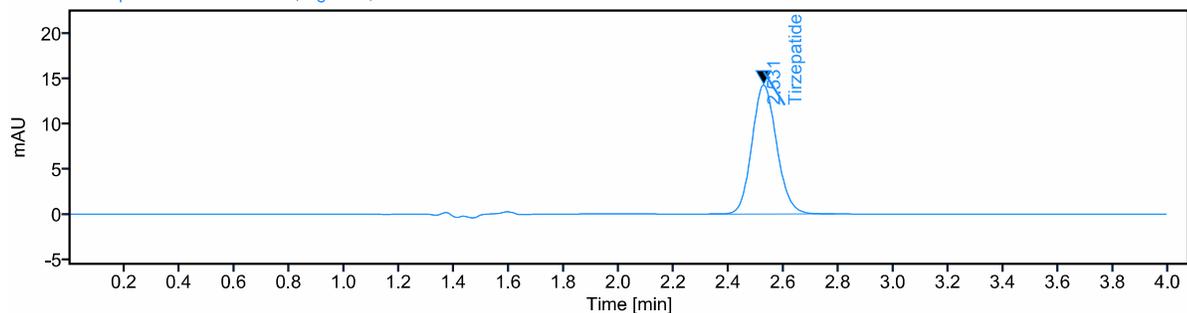
Sample Name	Name	RT	Area	Peak Area Percent
Tirzepatide Std-7 (SSC2)	Tirzepatide	2.512	89.3	100.000

Individual Chromatograms

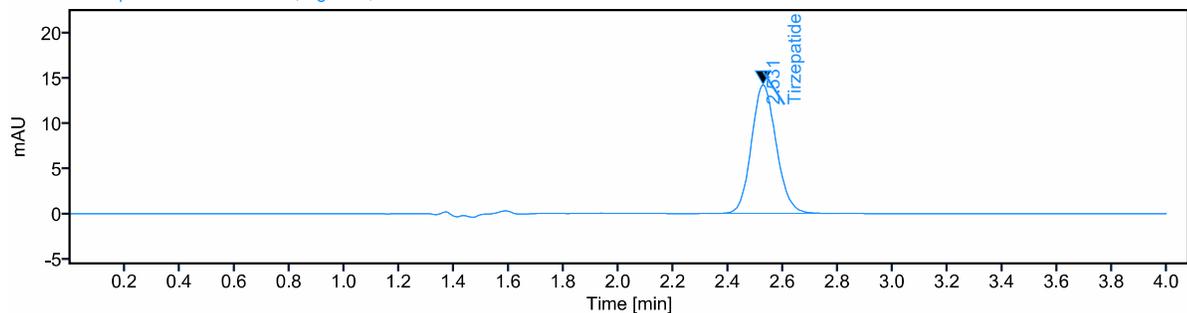
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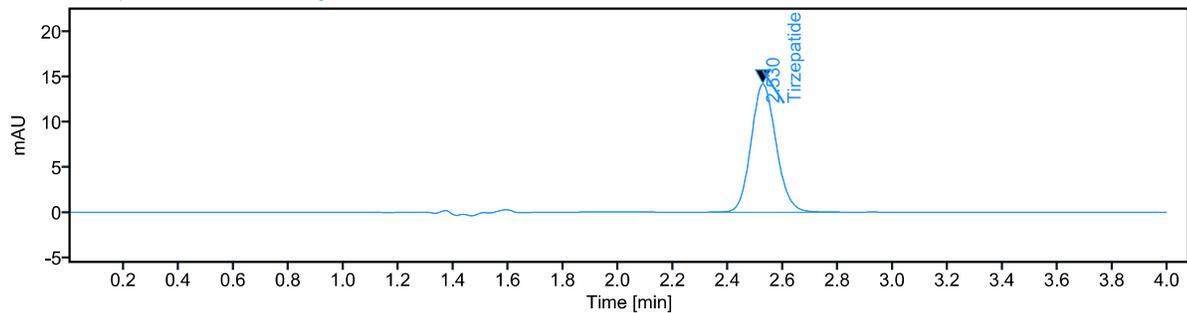
Tirzepatide Std - 1 DAD1A,Sig=280,4 Ref=off



Tirzepatide Std - 2 DAD1A,Sig=280,4 Ref=off

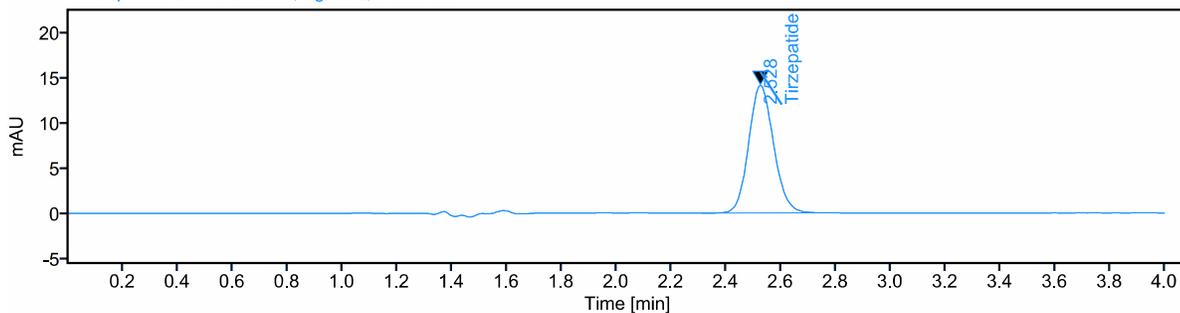


Tirzepatide Std - 3 DAD1A,Sig=280,4 Ref=off

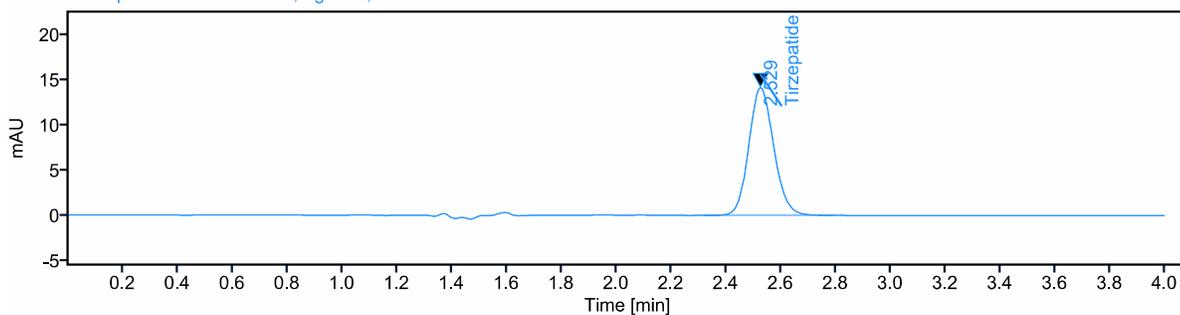


Sample Potency and ID Report

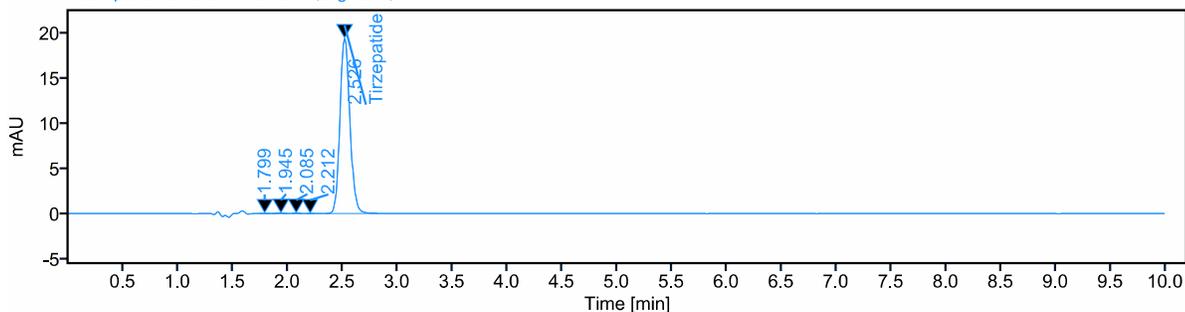
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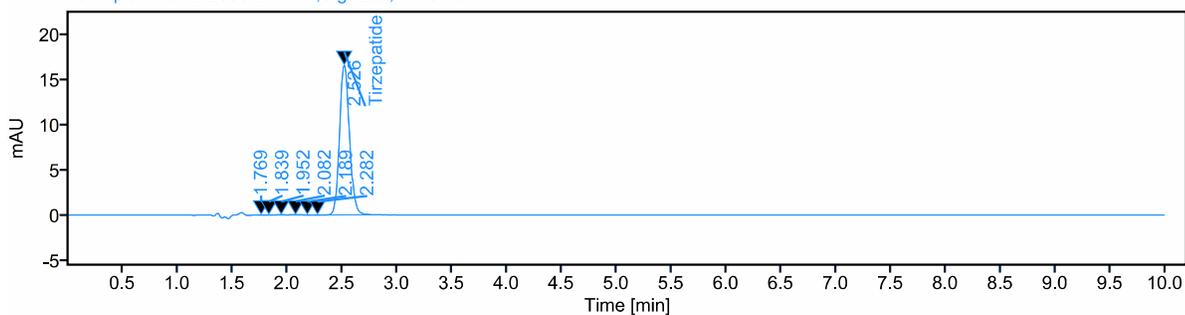
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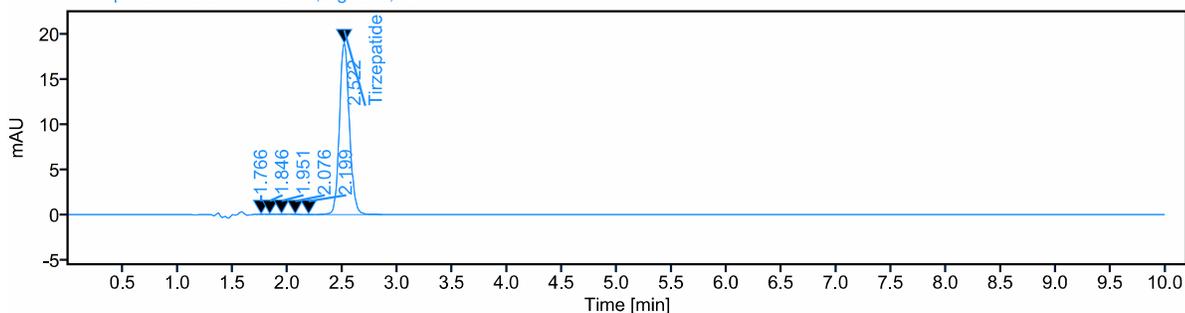
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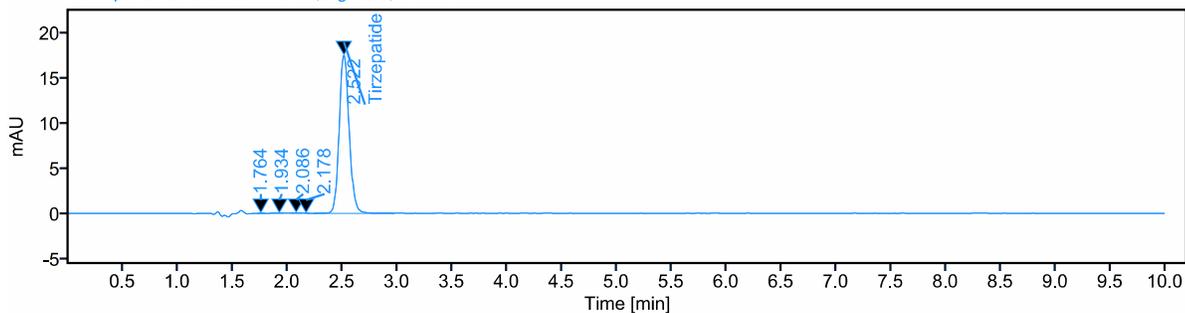


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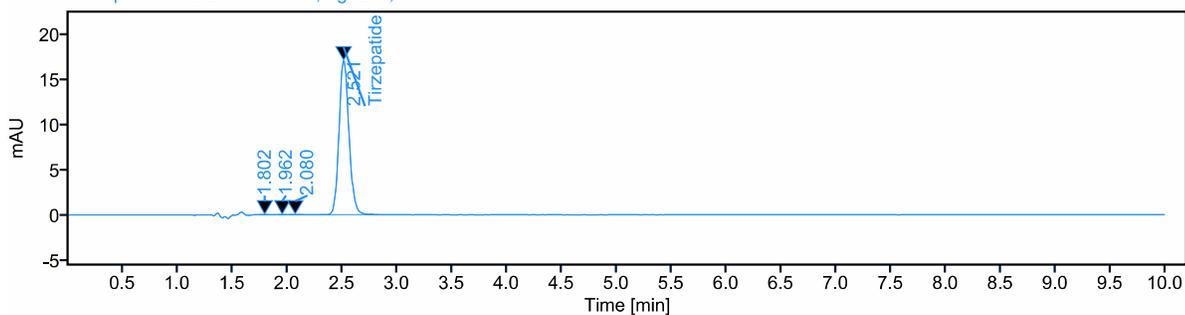


Sample Potency and ID Report

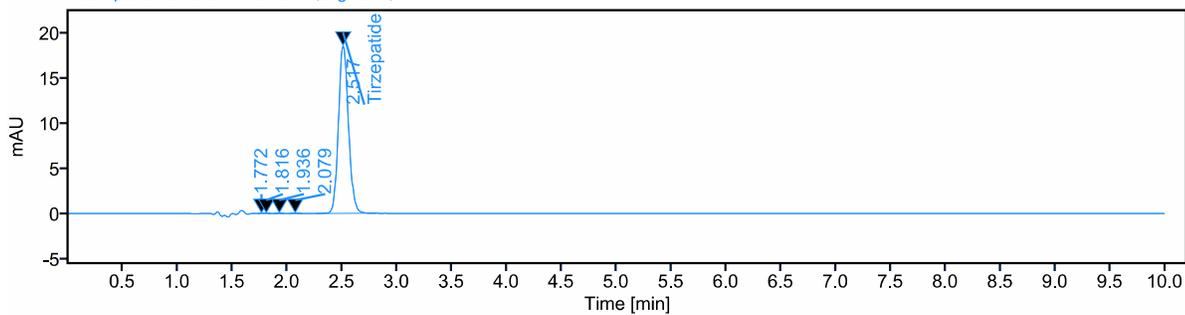
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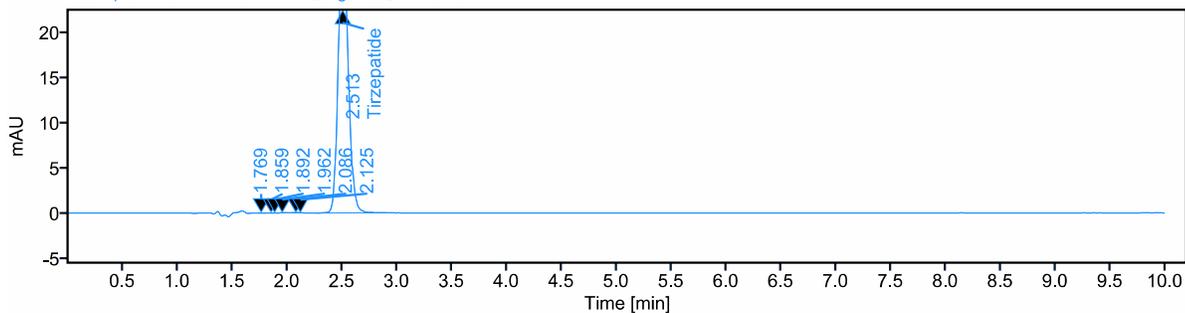
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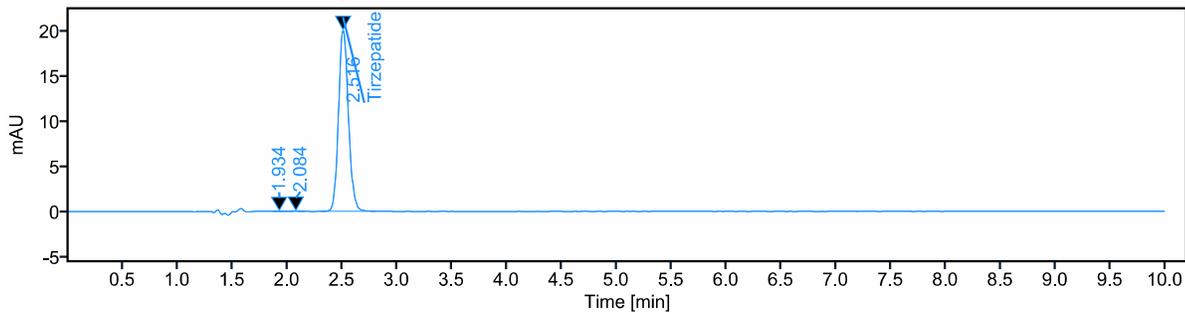
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Sample ID SPL-2120 DAD1A,Sig=280,4 Ref=off

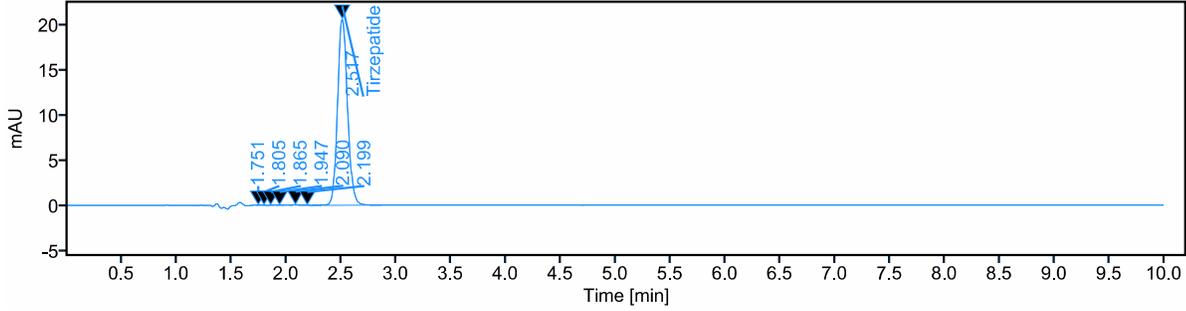


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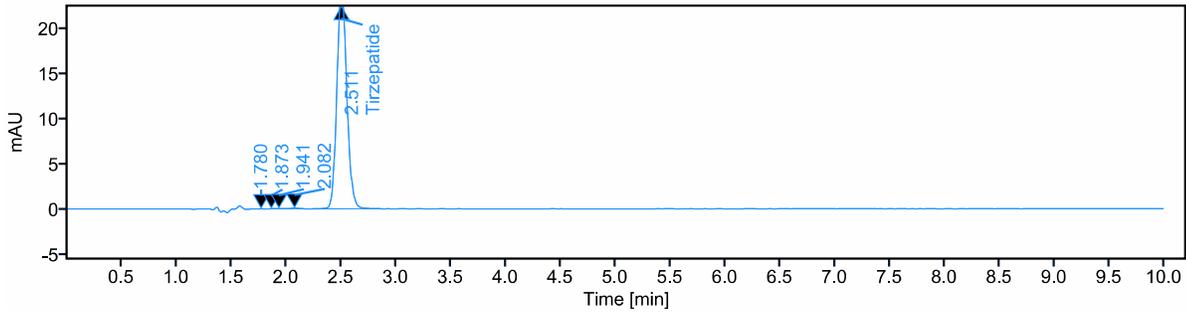


Sample Potency and ID Report

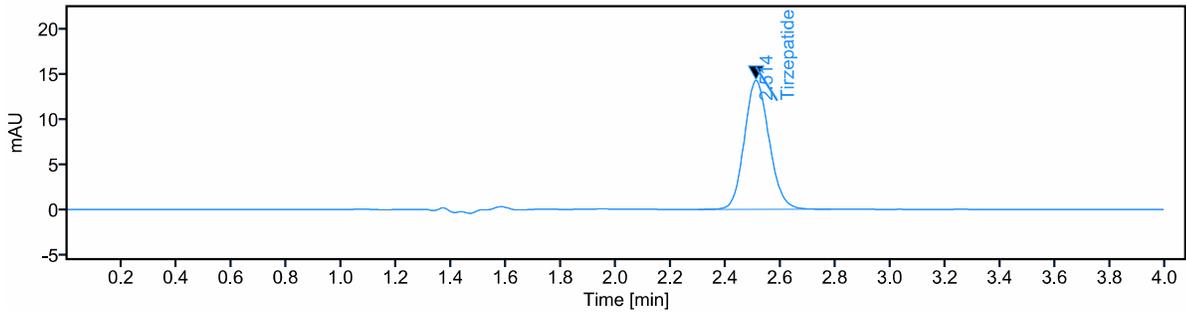
Sample ID SPL-2164 DAD1A,Sig=280,4 Ref=off



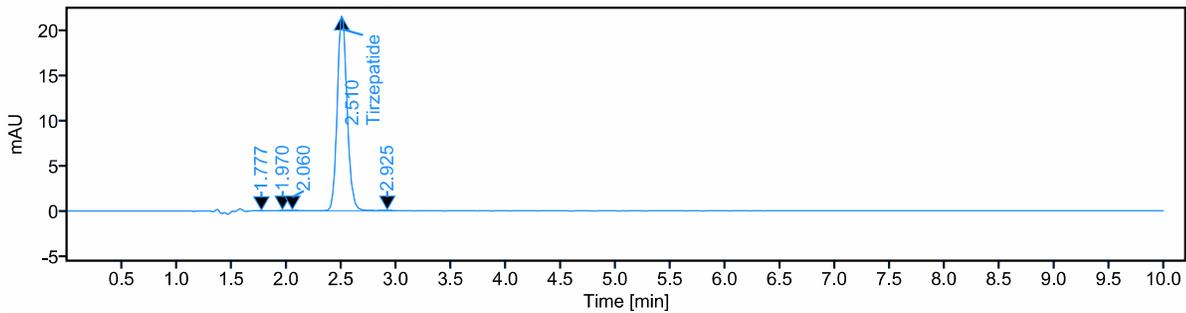
Sample ID SPL-2165 DAD1A,Sig=280,4 Ref=off



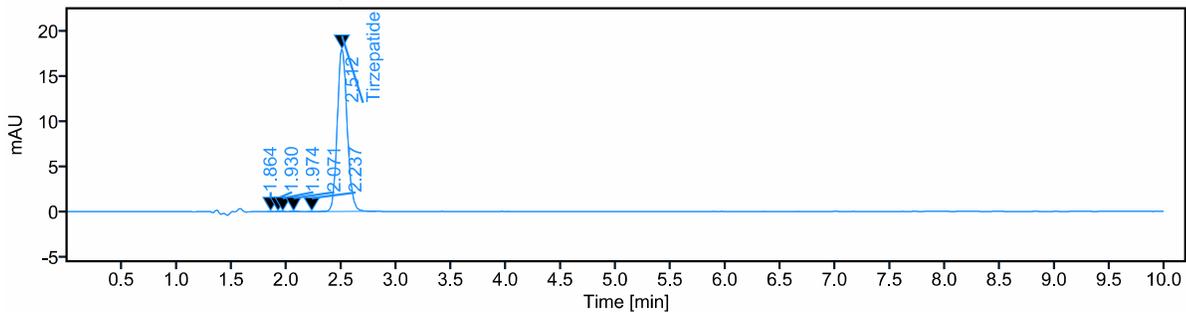
Tirzepatide Std-6 (SSC1) DAD1A,Sig=280,4 Ref=off



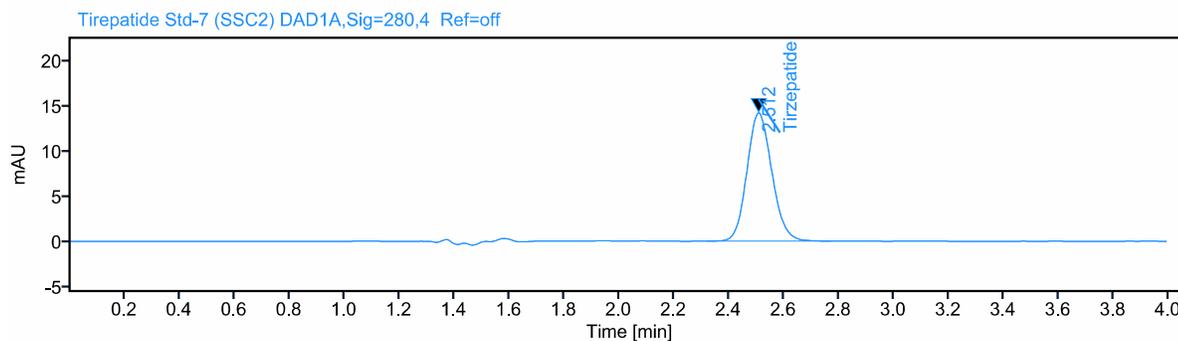
Sample ID SPL-2148 DAD1A,Sig=280,4 Ref=off



Sample ID SPL-2149 DAD1A,Sig=280,4 Ref=off



Sample Potency and ID Report



Processing Method Parameters

Name	Standard Factor (%)	Void Volume (min):	Injection Volume (uL)
Tirapatide		1.587	10

- 9.327216
- 9.327216
- 9.327216
- 9.327216
- 9.327216

Injection Sequence

Sample Potency and ID Report

Sample Name	Vial #	Multiplier	Instrument Method	Instrument Name
Blank-1	91	1.00000	1001_01_LinesBandD_10min_Locked.amx	Remus
Tirzepatide Std - 1	1	1.00000	1001_01_LinesBandD_Locked.amx	Remus
Tirzepatide Std - 2	1	1.00000	1001_01_LinesBandD_Locked.amx	Remus
Tirzepatide Std - 3	1	1.00000	1001_01_LinesBandD_Locked.amx	Remus
Tirzepatide Std - 4	1	1.00000	1001_01_LinesBandD_Locked.amx	Remus
Tirzepatide Std - 5	1	1.00000	1001_01_LinesBandD_Locked.amx	Remus
Sample ID SPL-2097	2	8.33333	1001_01_LinesBandD_10min_Locked.amx	Remus
Sample ID SPL-2098	3	10.00000	1001_01_LinesBandD_10min_Locked.amx	Remus
Sample ID SPL-2100	4	8.33333	1001_01_LinesBandD_10min_Locked.amx	Remus
Sample ID SPL-2105	5	10.00000	1001_01_LinesBandD_10min_Locked.amx	Remus
Sample ID SPL-2106	6	10.00000	1001_01_LinesBandD_10min_Locked.amx	Remus
Sample ID SPL-2110	7	10.00000	1001_01_LinesBandD_10min_Locked.amx	Remus
Sample ID SPL-2120	8	8.33333	1001_01_LinesBandD_10min_Locked.amx	Remus
Sample ID SPL-2125	9	8.33333	1001_01_LinesBandD_10min_Locked.amx	Remus
Sample ID SPL-2164	10	8.33333	1001_01_LinesBandD_10min_Locked.amx	Remus
Sample ID SPL-2165	11	8.33333	1001_01_LinesBandD_10min_Locked.amx	Remus
Tirepatide Std-6 (SSC1)	1	1.00000	1001_01_LinesBandD_Locked.amx	Remus
Sample ID SPL-2148	12	8.33333	1001_01_LinesBandD_10min_Locked.amx	Remus
Sample ID SPL-2149	13	10.00000	1001_01_LinesBandD_10min_Locked.amx	Remus
Tirepatide Std-7 (SSC2)	1	1.00000	1001_01_LinesBandD_Locked.amx	Remus

UV Spectra

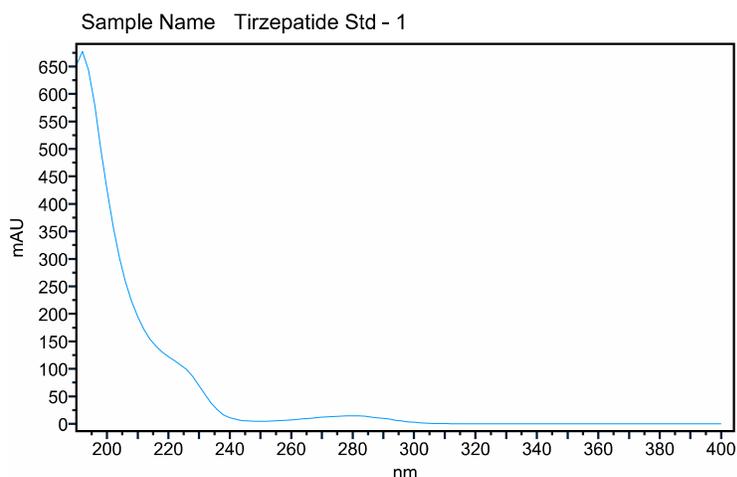
UV Match Spectra

RT:

2.531

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

Sample Potency and ID Report

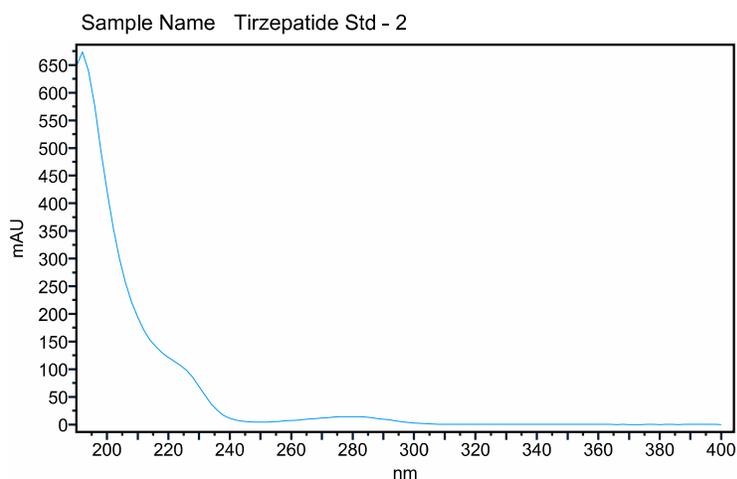
UV Match Spectra

RT:

2.531

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

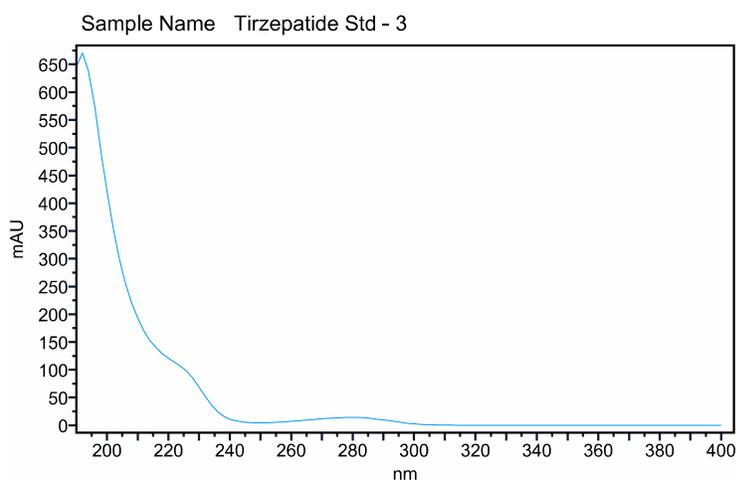
UV Match Spectra

RT:

2.53

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

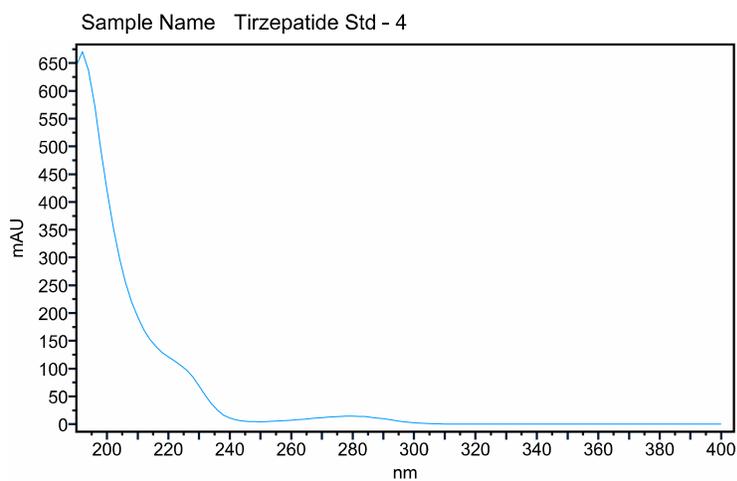
UV Match Spectra

RT:

2.528

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

Sample Potency and ID Report

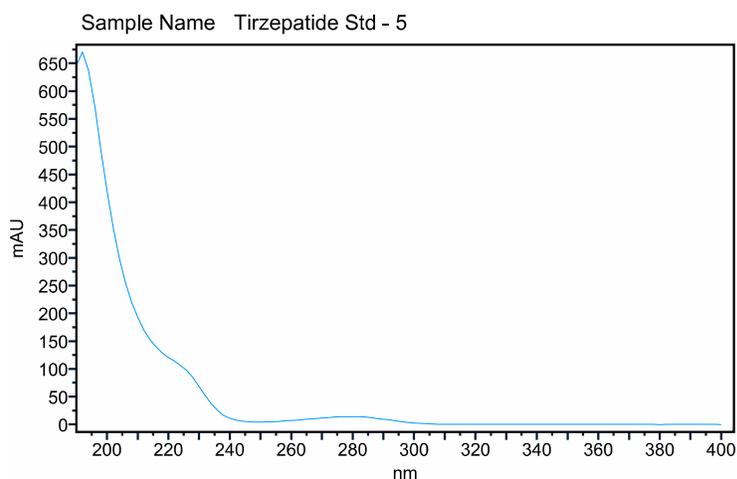
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RT:

2.529

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

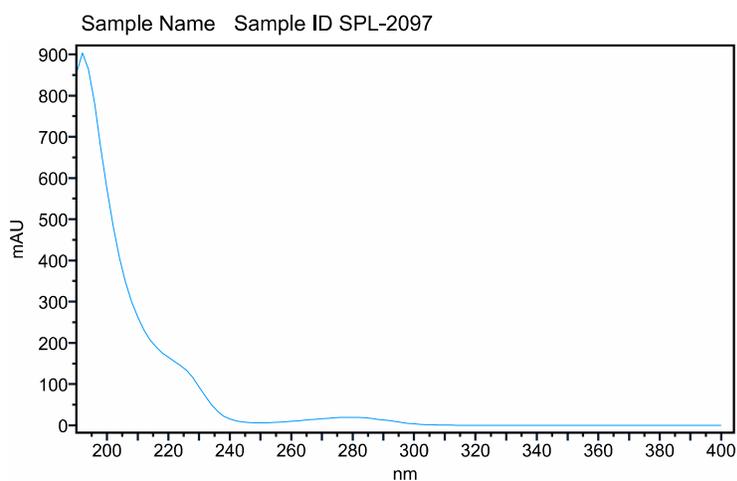
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RT:

2.526

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

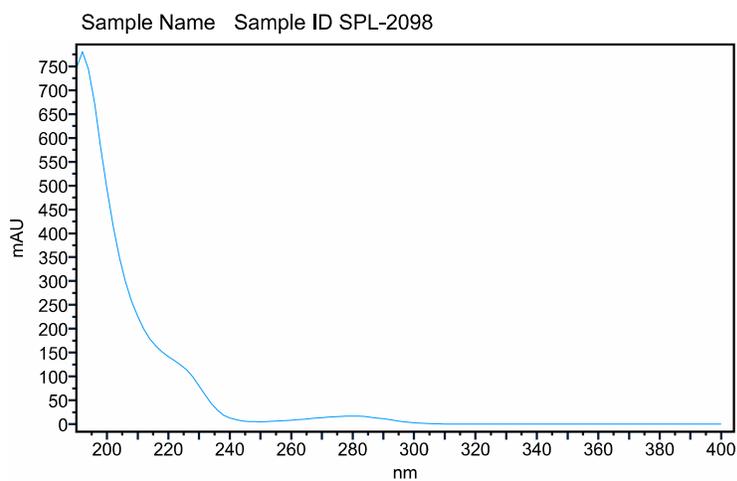
UV Match Spectra

RT:

2.526

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

Sample Potency and ID Report

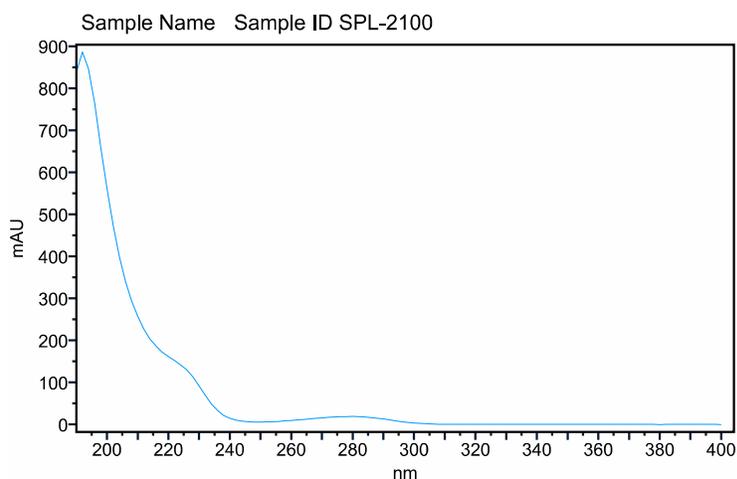
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RT:

2.522

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

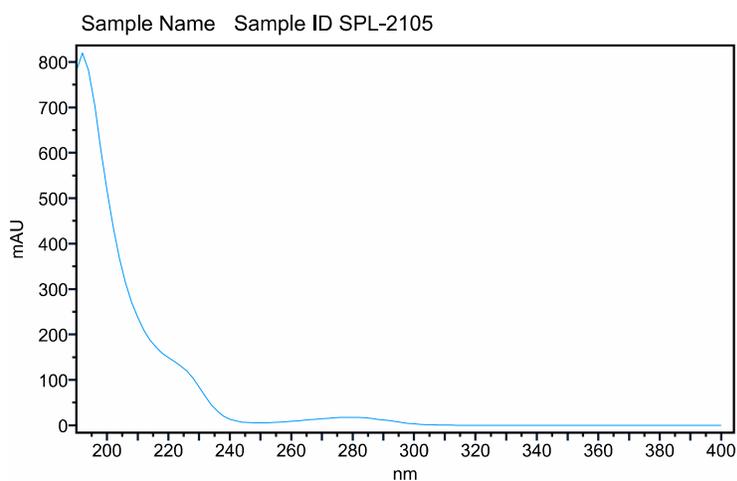
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RT:

2.522

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

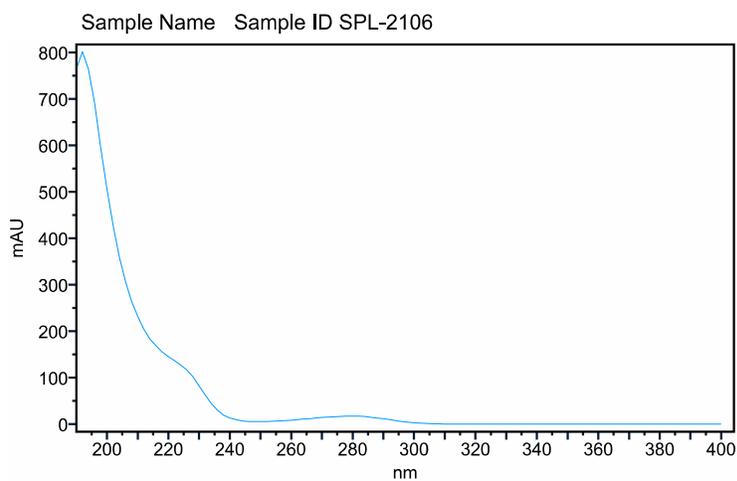
UV Match Spectra

RT:

2.521

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

Sample Potency and ID Report

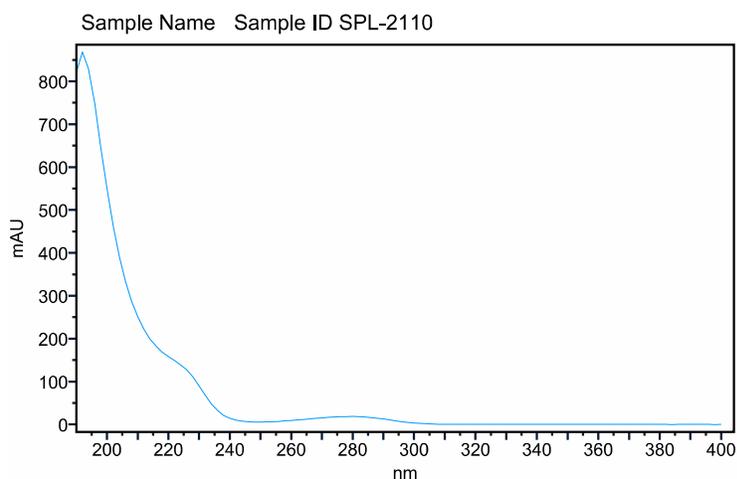
UV Match Spectra

RT:

2.517

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

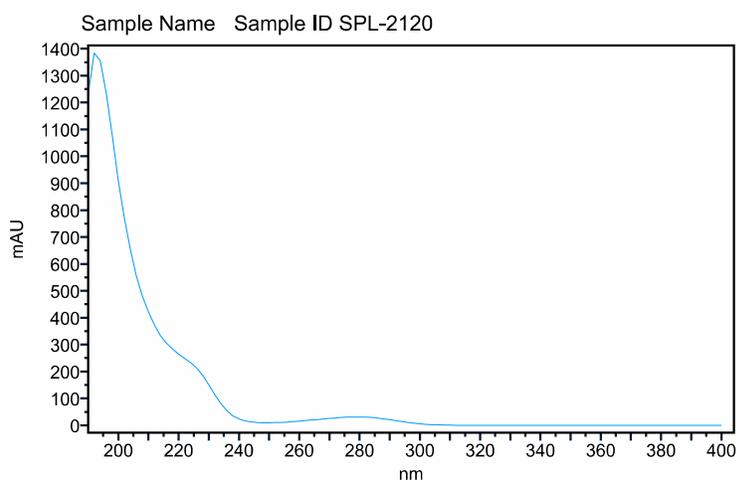
UV Match Spectra

RT:

2.513

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

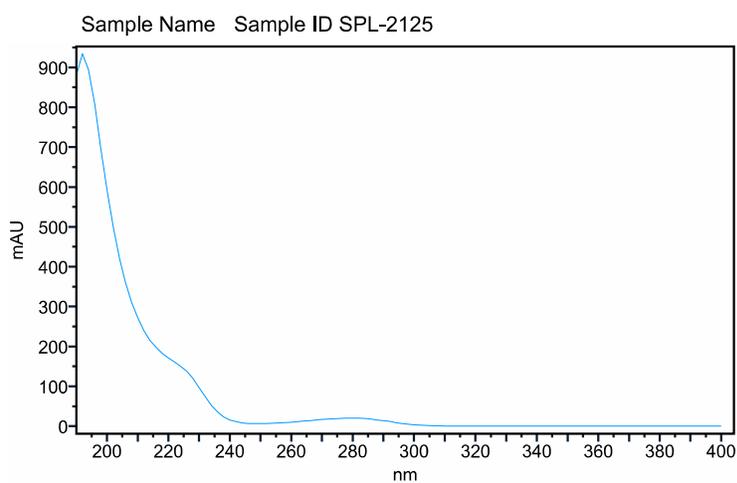
UV Match Spectra

RT:

2.516

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

Sample Potency and ID Report

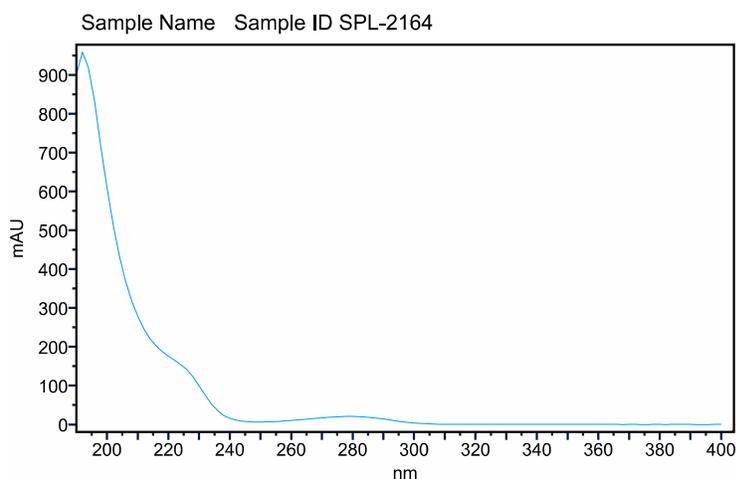
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RT:

2.517

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

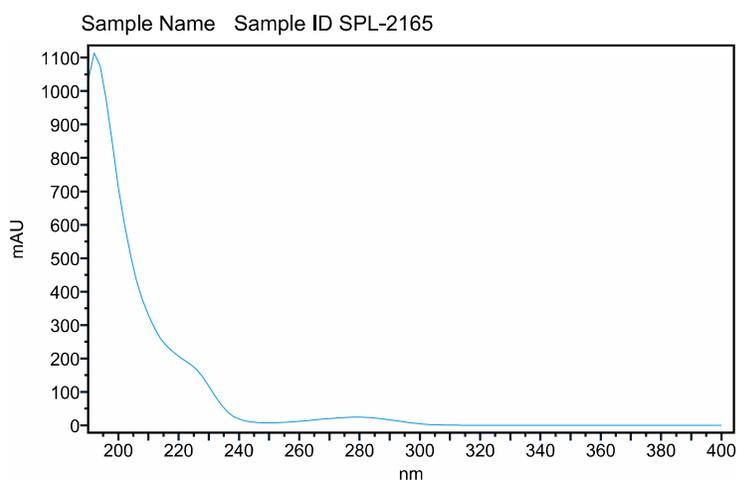
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RT:

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Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

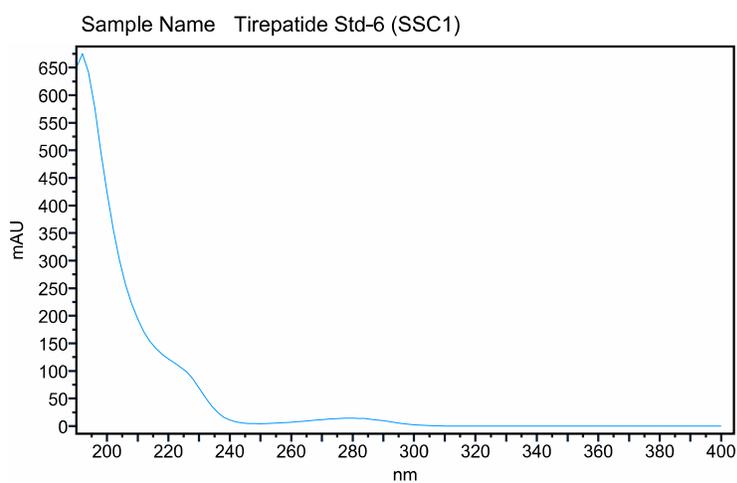
UV Match Spectra

RT:

2.514

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

Sample Potency and ID Report

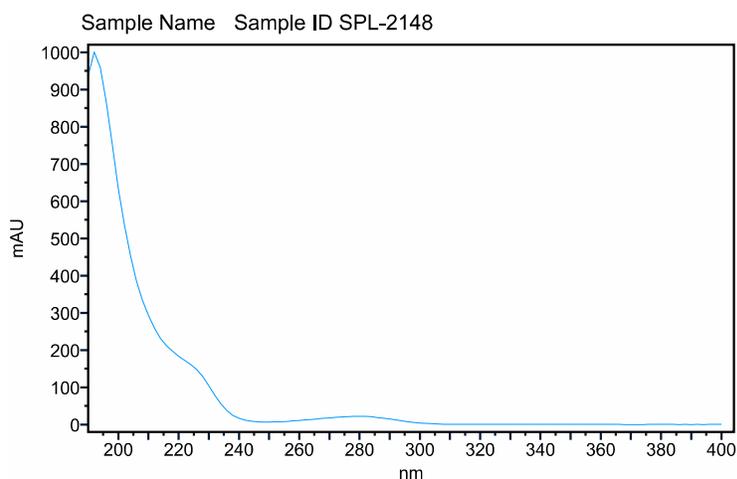
UV Match Spectra

RT:

2.51

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

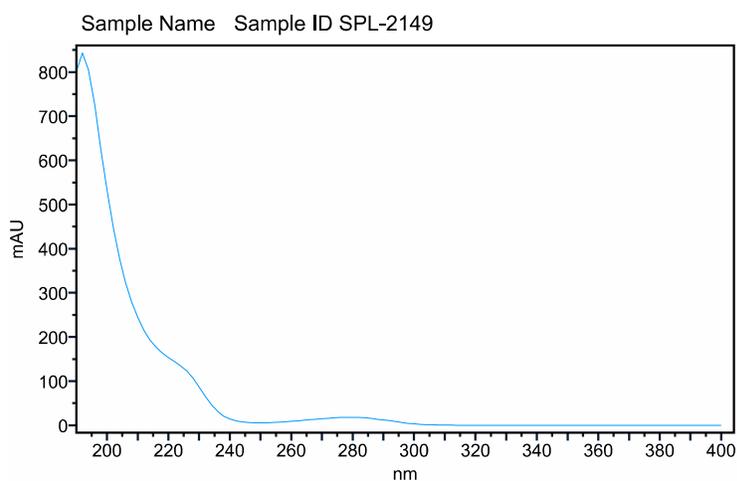
UV Match Spectra

RT:

2.512

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed

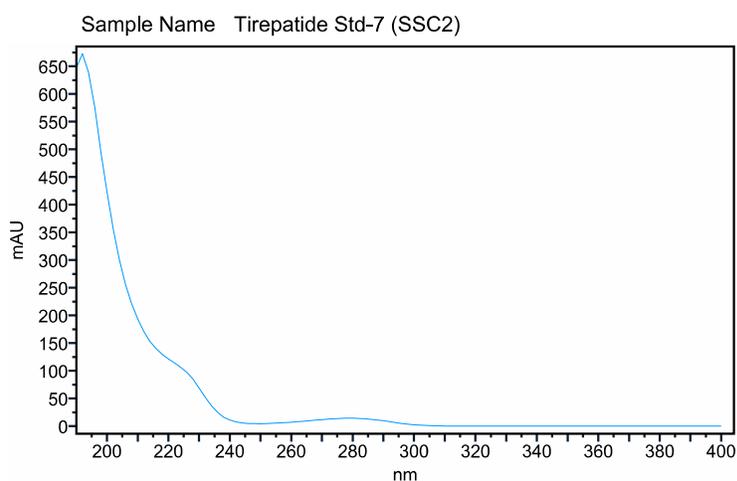
UV Match Spectra

RT:

2.512

Compound Name:

Tirzepatide



Compound Spectra Confirm Result Confirmed