Discovery and Identification of Cdc37-Derived Peptides Targeting Hsp90-Cdc37 Protein-Protein Interaction

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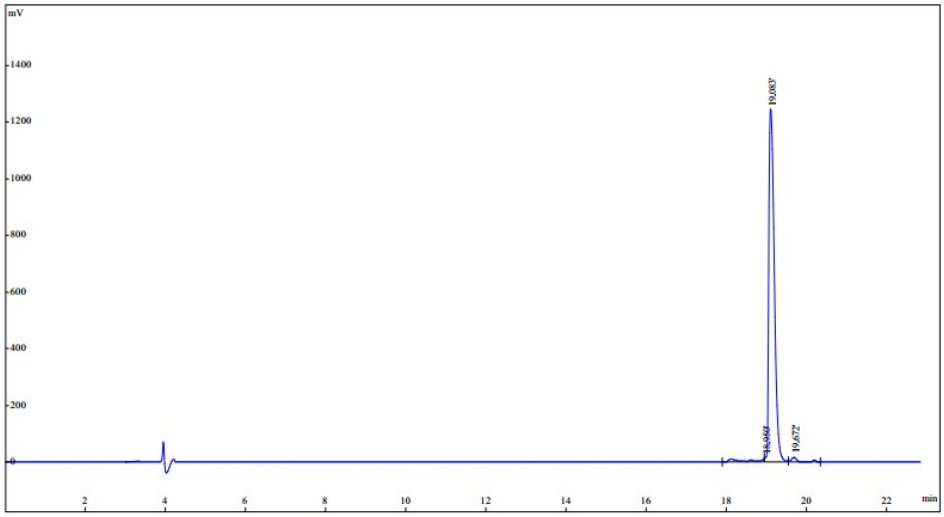
HPLC Analysis Report

Inj. Date: 06/30/2015 20:29:42 Operator:Yaohai Jin
Product Name: P152764 Lot: 0P062315LJ-01
Mobile Phase: A: 0.1% TFA in H20
B: 0.1% TFA in 100% ACN
Grads: 20%-40%B in 20 min Flow : 1.0 ml/min
Column : 4.6×250mm,Welchrom C18



Rank	Time	Name	Conc.	Area
1	18.950		2.944	367226
2	19.083		95.33	11889917
3	19.672		1.725	215083
Total			100	12472226

Fig. S1 HPLC analysis of **Pep-1**.

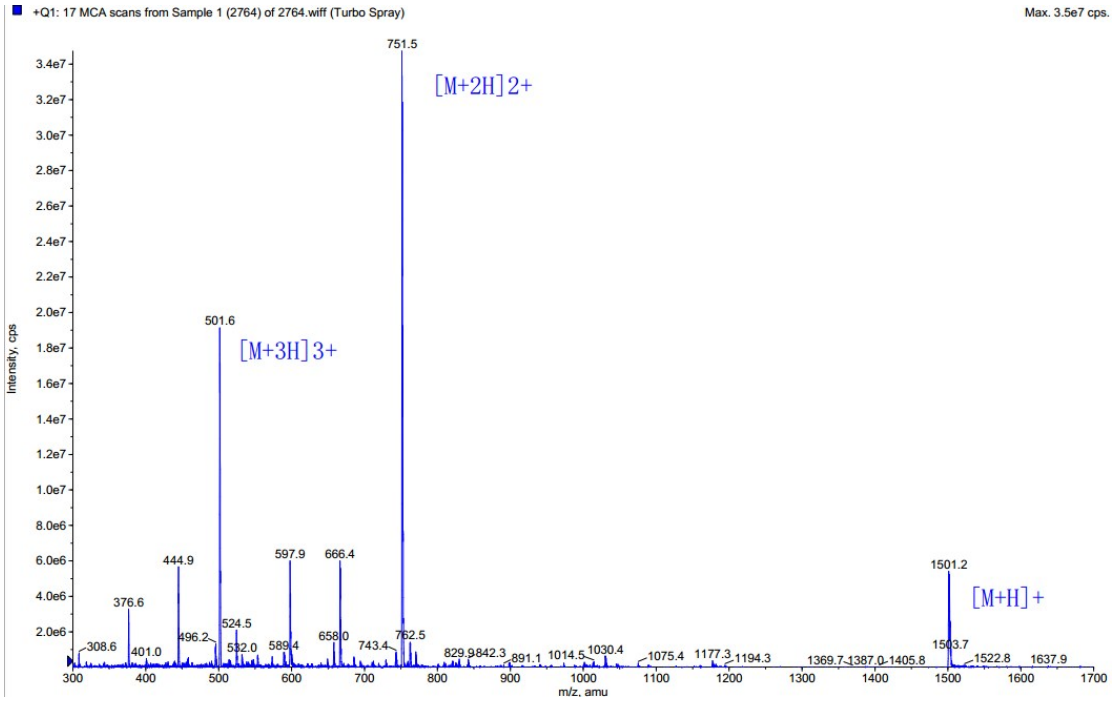
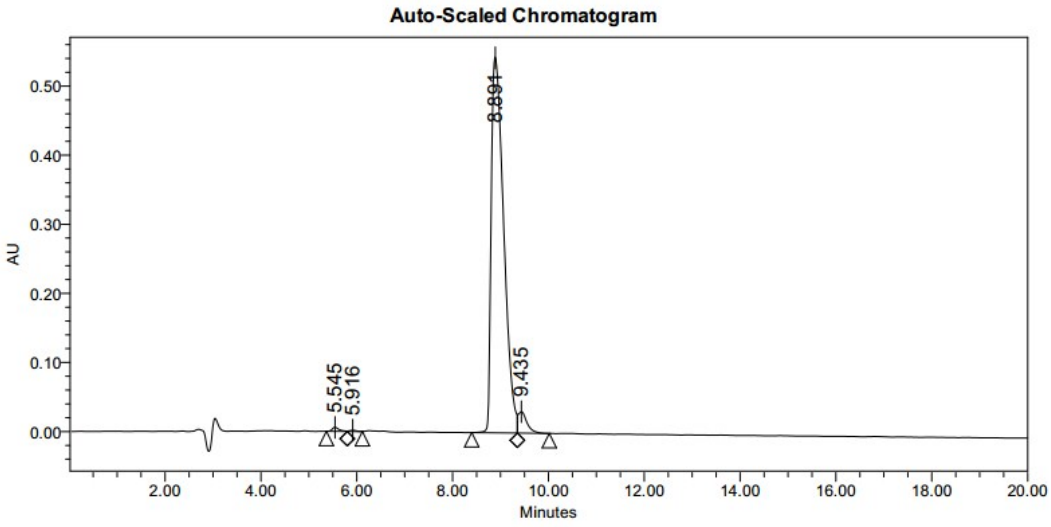


Fig. S2 MS result of **Pep-1**.



Peak Results

	Retention Time (min)	Int Type	Area (μV*sec)	Height (μV)	Width (sec)	% Area
1	5.545	BV	58720	5846	26.000	0.57
2	5.916	VB	17369	1844	19.000	0.17
3	8.891	BV	9805048	545151	57.000	95.34
4	9.435	VB	403361	31011	40.000	3.92

Fig. S3 HPLC analysis of **Pep-2**.

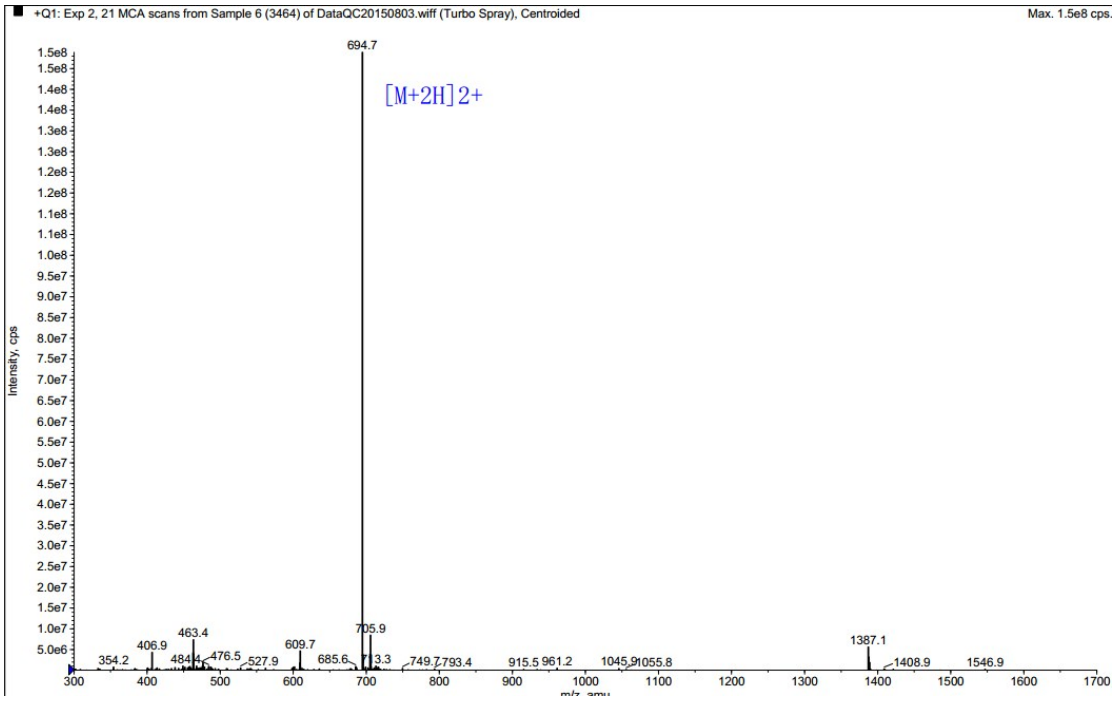
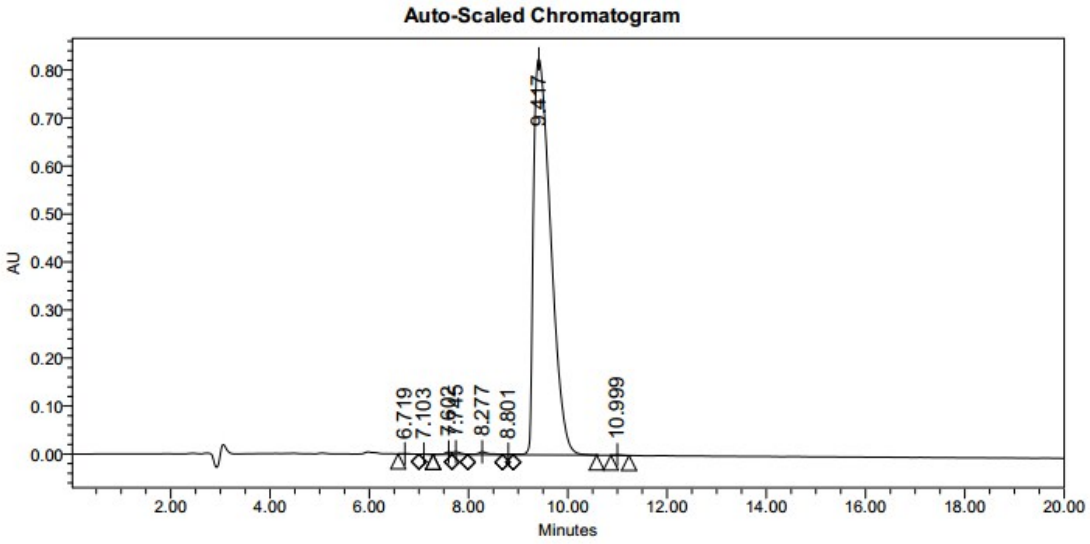


Fig. S4 MS result of **Pep-2.**



Peak Results

	Retention Time (min)	Int Type	Area (μV*sec)	Height (μV)	Width (sec)	% Area
1	6.719	BV	8438	660	25.000	0.04
2	7.103	VB	5788	663	17.000	0.03
3	7.602	BV	47754	5305	23.000	0.24
4	7.745	VV	64617	5726	19.000	0.32
5	8.277	VV	91425	5869	42.000	0.45
6	8.801	VV	11593	1055	13.000	0.06
7	9.417	VB	19901774	825049	101.000	98.81
8	10.999	BB	10522	1131	22.000	0.05

Fig. S5 HPLC analysis of **Pep-3**.

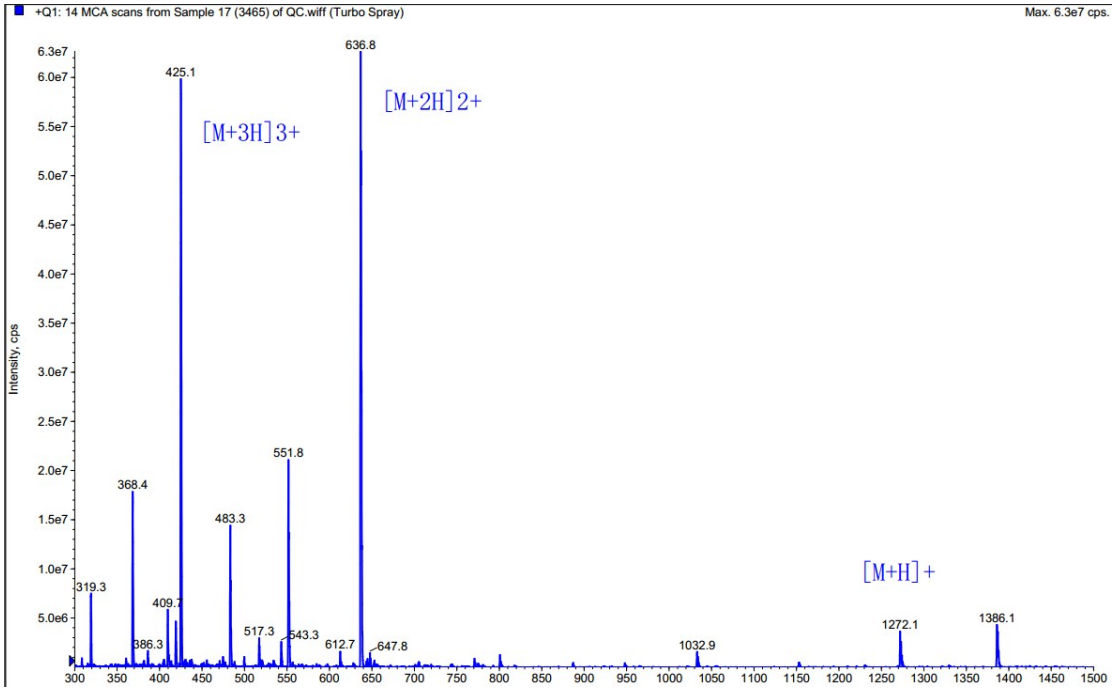
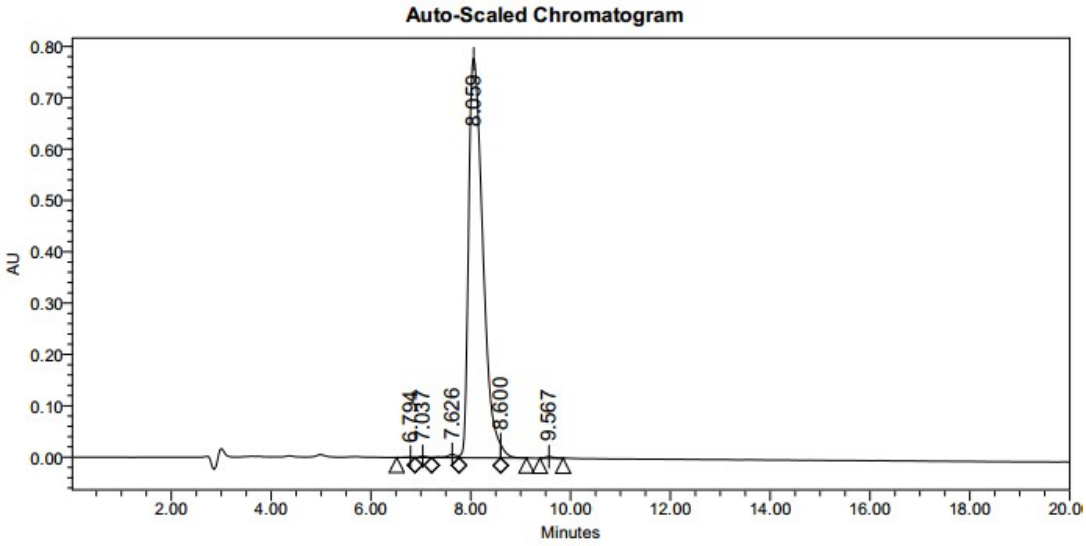


Fig. S6 MS result of **Pep-3**.



Peak Results

	Retention Time (min)	Int Type	Area (μV*sec)	Height (μV)	Width (sec)	% Area
1	6.794	BV	13676	1045	22.000	0.09
2	7.037	VV	32087	2582	20.000	0.21
3	7.626	Vv	96014	6381	33.000	0.61
4	8.059	w	15285078	779459	50.000	97.85
5	8.600	vB	161072	26376	31.000	1.03
6	9.567	BB	33759	3228	28.000	0.22

Fig. S7 HPLC analysis of **Pep-4**.

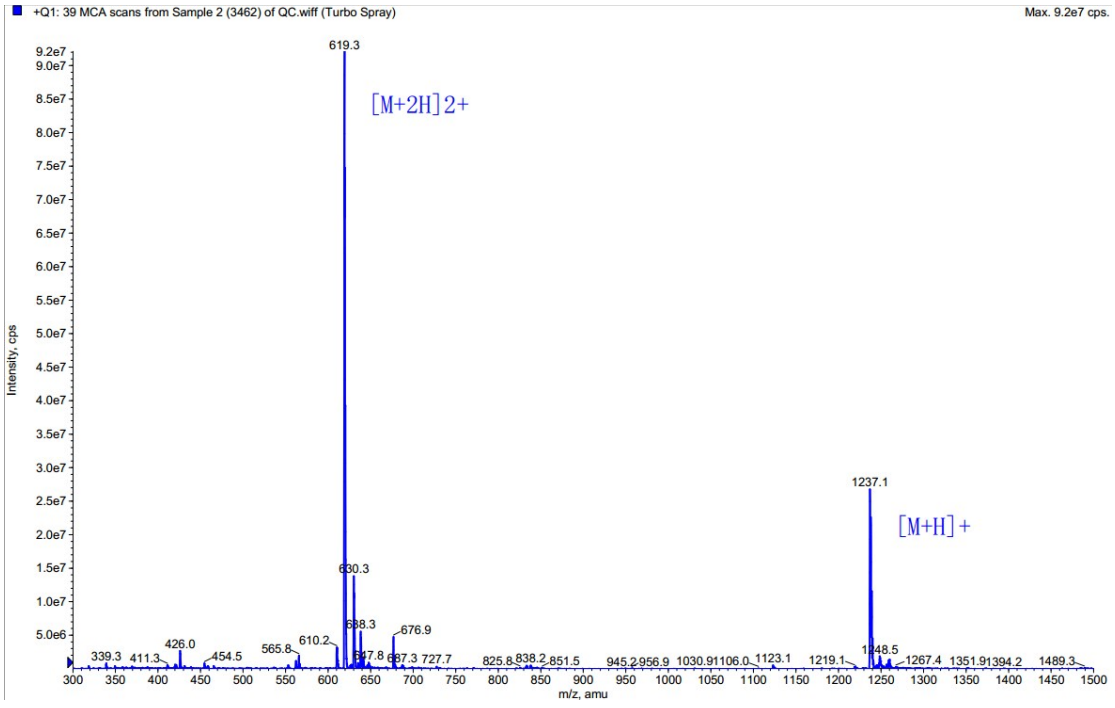
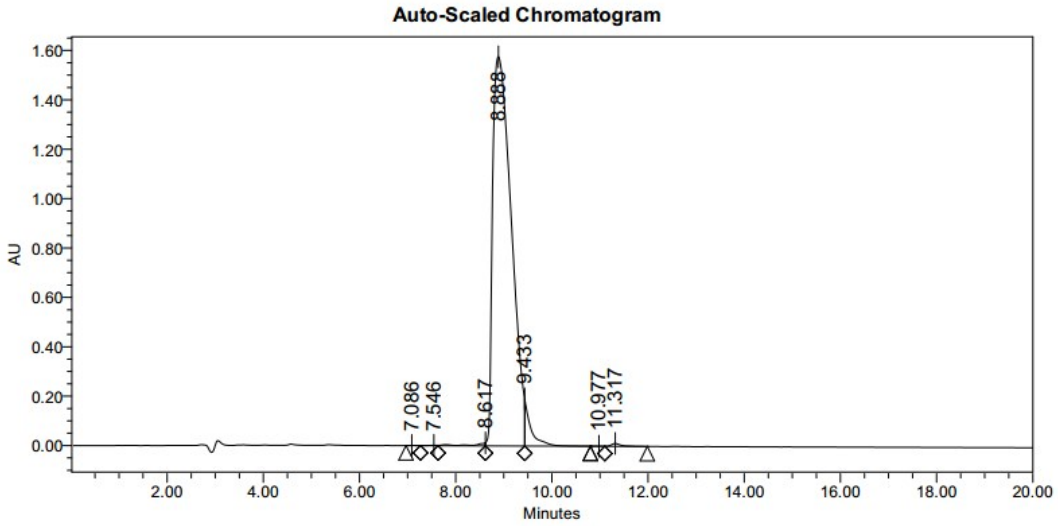


Fig. S8 MS result of **Pep-4**.



Peak Results

	Retention Time (min)	Int Type	Area (μV*sec)	Height (μV)	Width (sec)	% Area
1	7.086	BV	6679	681	18.000	0.02
2	7.546	VV	20431	1757	22.000	0.05
3	8.617	Vv	216979	12388	59.000	0.49
4	8.888	vv	42213879	1576800	49.000	95.33
5	9.433	vB	1663266	191022	82.000	3.76
6	10.977	BV	3849	398	18.000	0.01
7	11.317	VB	155247	11435	53.000	0.35

Fig. S9 HPLC analysis of **Pep-5**.

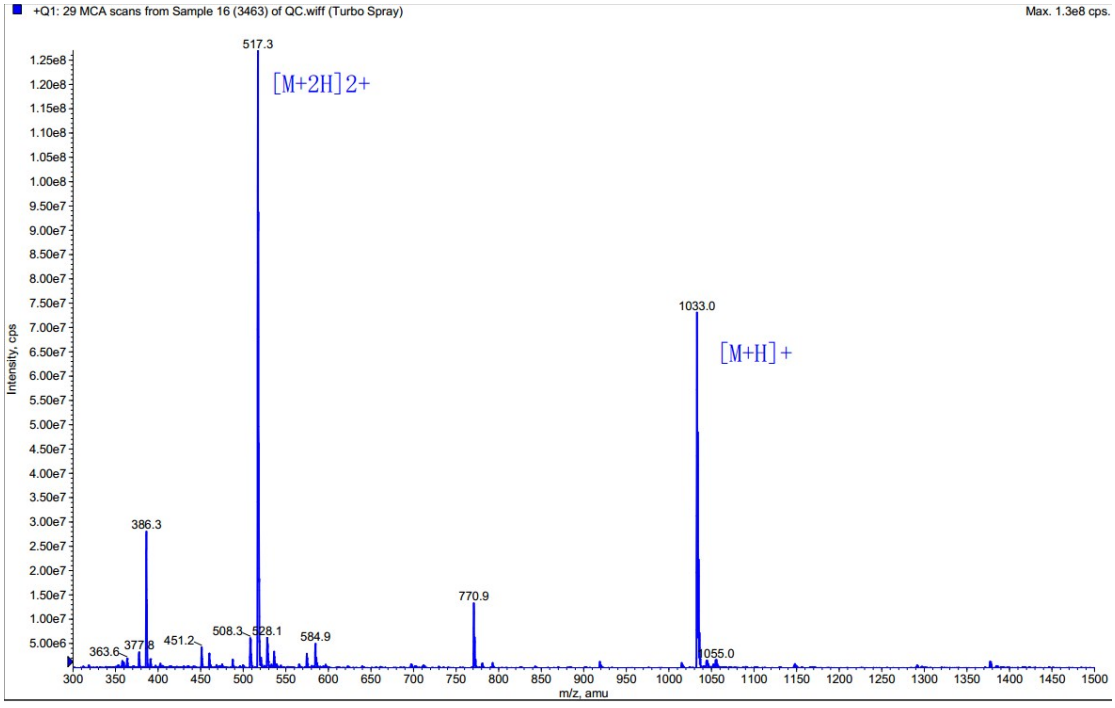
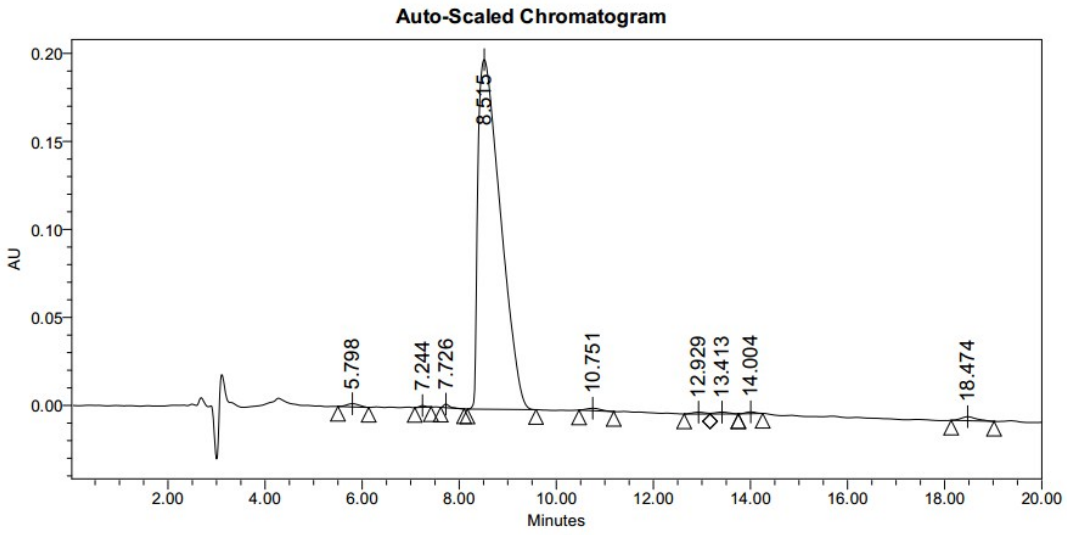


Fig. S10 MS result of **Pep-5**.



Peak Results

	Retention Time (min)	Int Type	Area (μV*sec)	Height (μV)	Width (sec)	% Area
1	5.798	BB	32590	1810	38.000	0.49
2	7.244	BB	8661	970	20.000	0.13
3	7.726	BB	17651	2068	29.000	0.27
4	8.515	BB	6395810	198661	85.000	97.08
5	10.751	BB	27642	1360	43.000	0.42
6	12.929	BV	19031	1020	32.000	0.29
7	13.413	VB	21208	1061	35.000	0.32
8	14.004	BB	14133	995	30.000	0.21

Fig. S11 HPLC analysis of **Pep-6.**

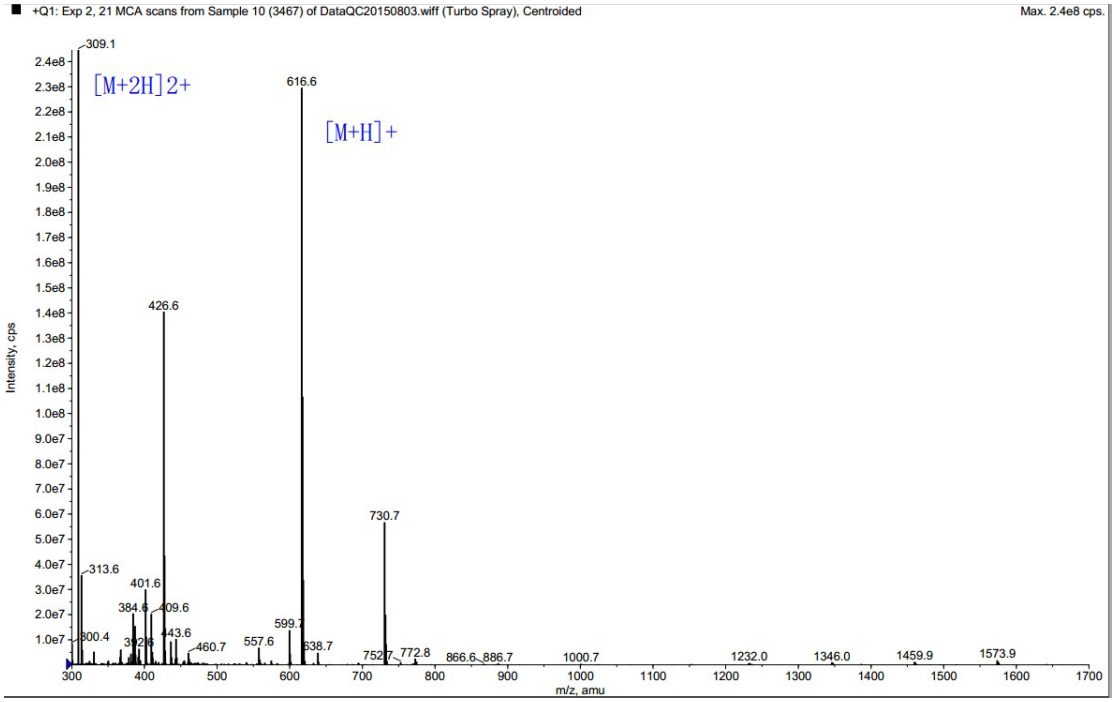
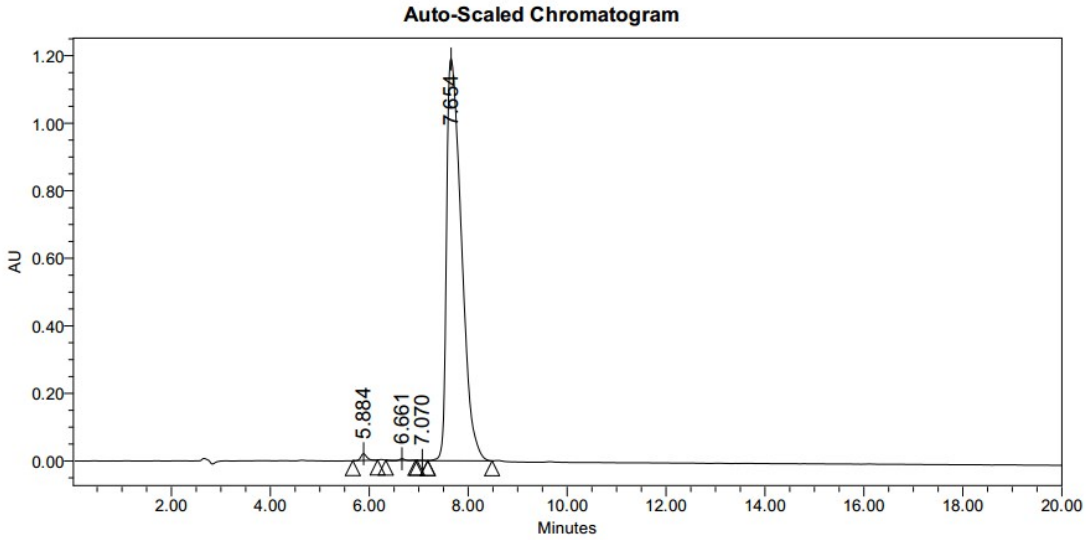


Fig. S12 MS result of **Pep-6**.



Peak Results

	Retention Time (min)	Int Type	Area (μV*sec)	Height (μV)	Width (sec)	% Area
1	5.884	bb	166098	20107	30.000	0.66
2	6.661	bb	46789	4622	36.000	0.19
3	7.070	BB	4377	570	13.000	0.02
4	7.654	BB	24775864	1191969	78.000	99.13

Fig. S13 HPLC analysis of **Pep-7-mut**.

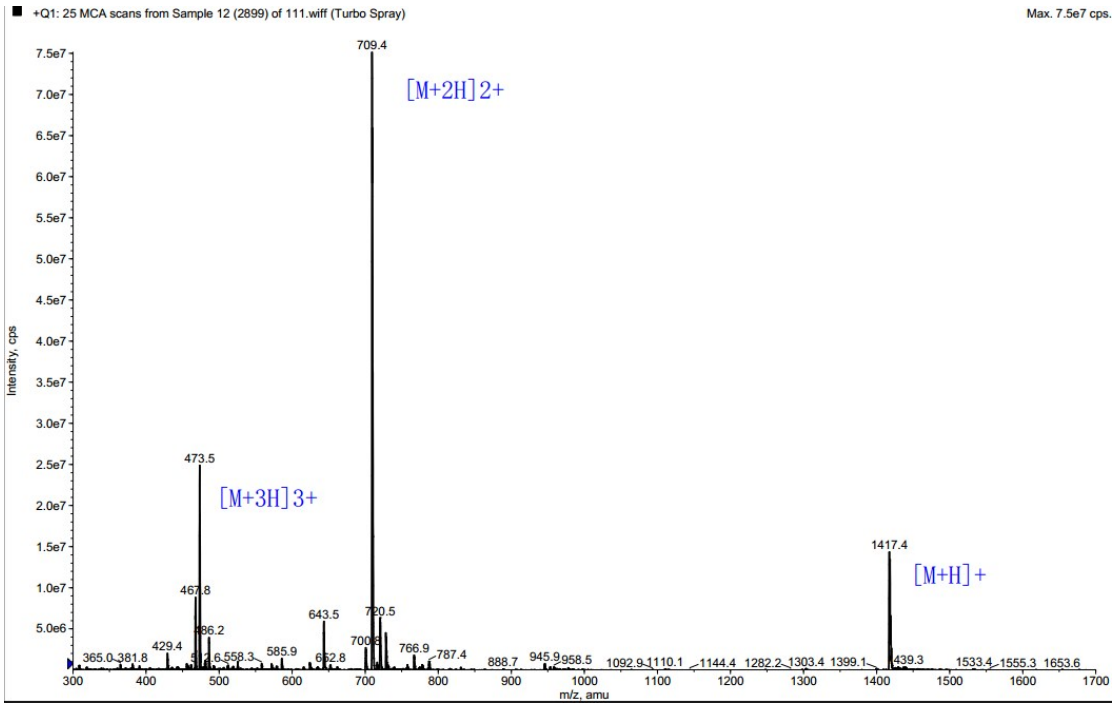
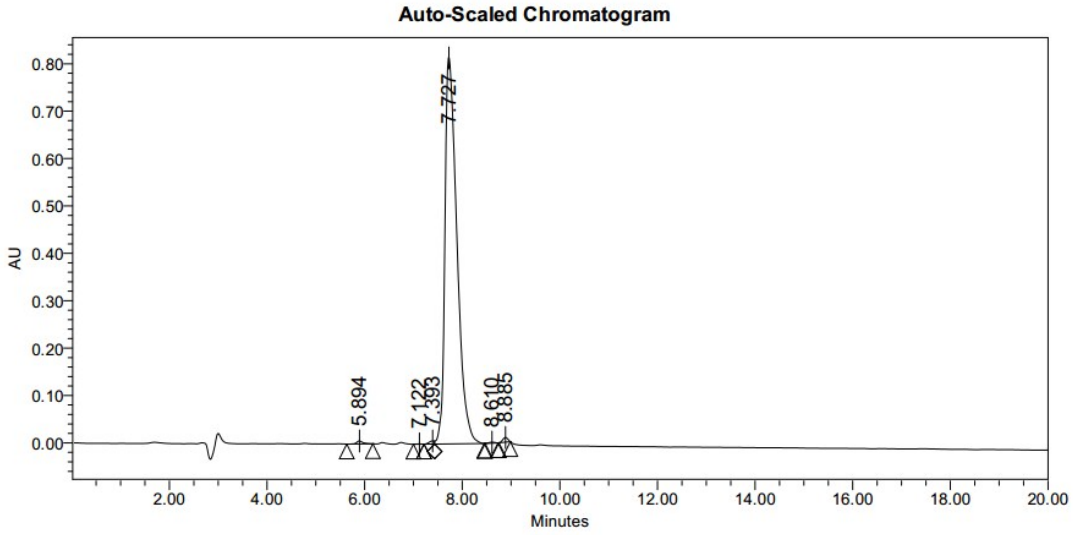


Fig. S14 MS analysis of **Pep-7-mut**.



Peak Results

	Retention Time (min)	Int Type	Area (μV*sec)	Height (μV)	Width (sec)	% Area
1	5.894	bb	55674	6272	32.000	0.39
2	7.122	BB	3387	540	13.000	0.02
3	7.393	BV	47723	6574	13.000	0.34
4	7.727	VB	13906086	819529	61.000	98.61
5	8.610	BB	17502	2048	16.000	0.12
6	8.885	BB	72277	9980	14.000	0.51

Fig. S15 HPLC analysis of **Pep-8-mut**.

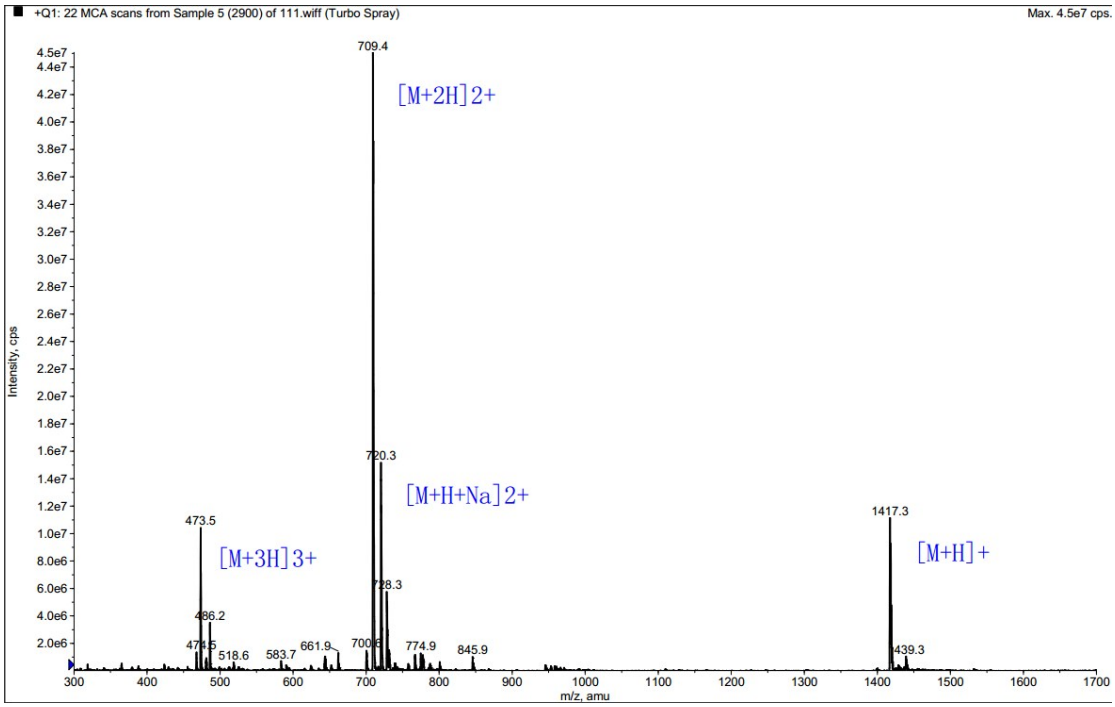


Fig. S16 MS result of **Pep-8-mut**.