

Figures

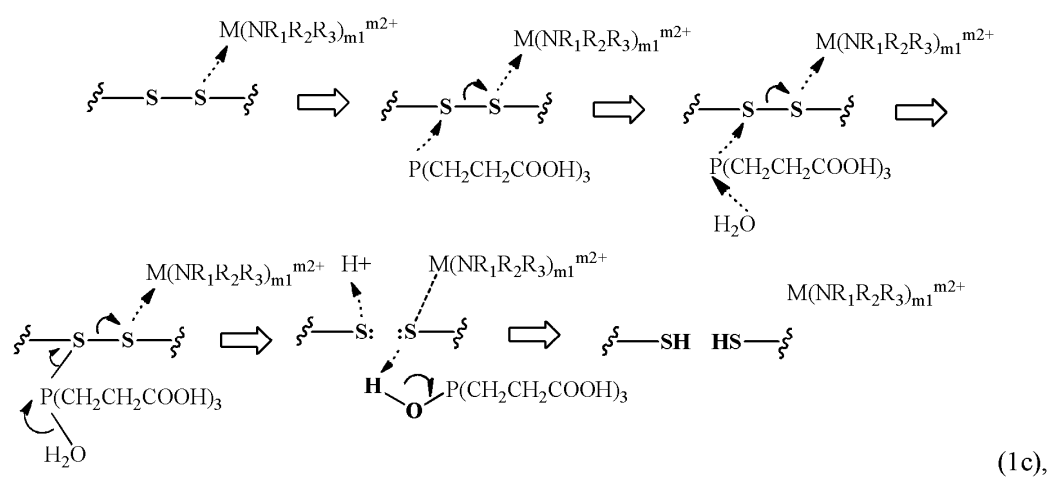
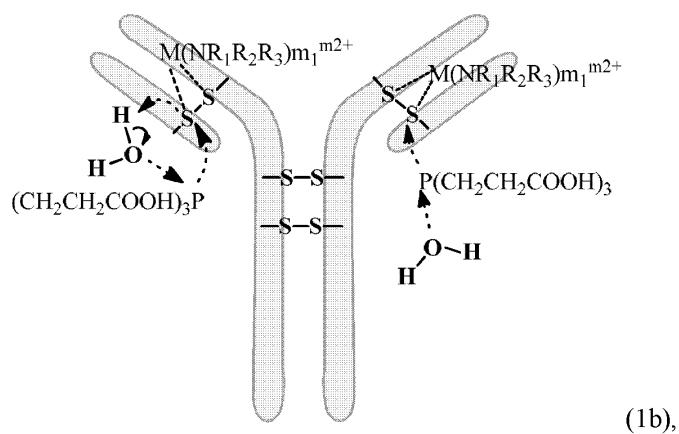
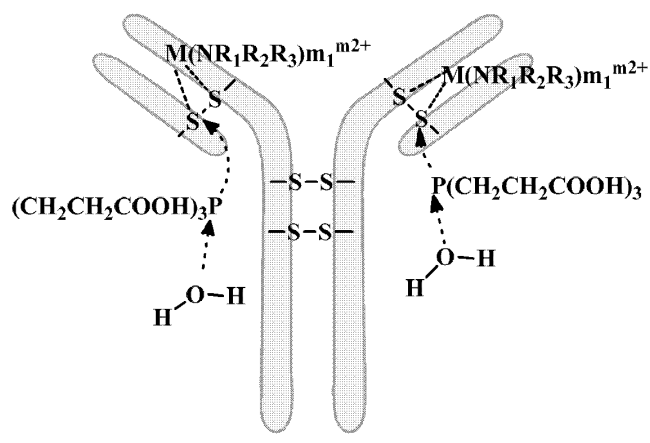
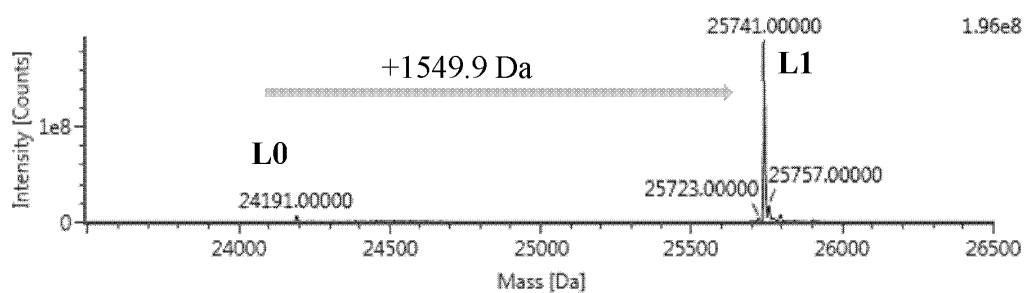


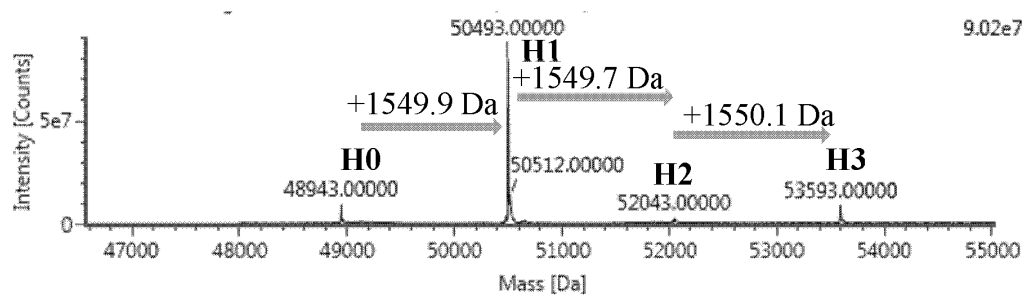
Fig 1.

a)

Antibody-drug conjugate light chain



Antibody-drug conjugate heavy chain

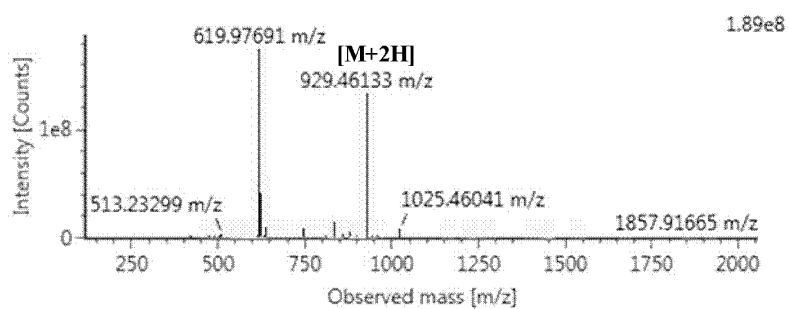
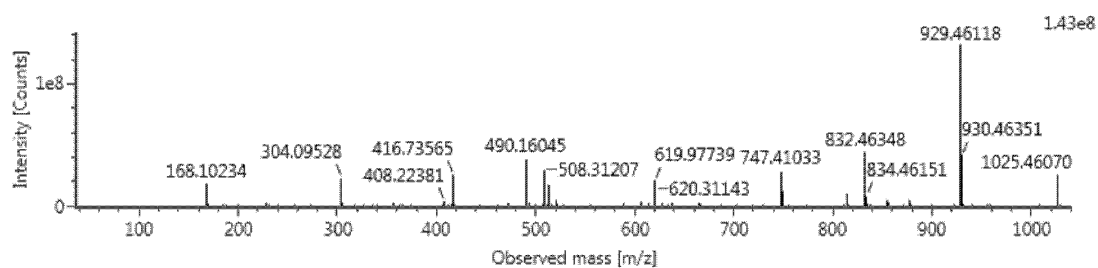
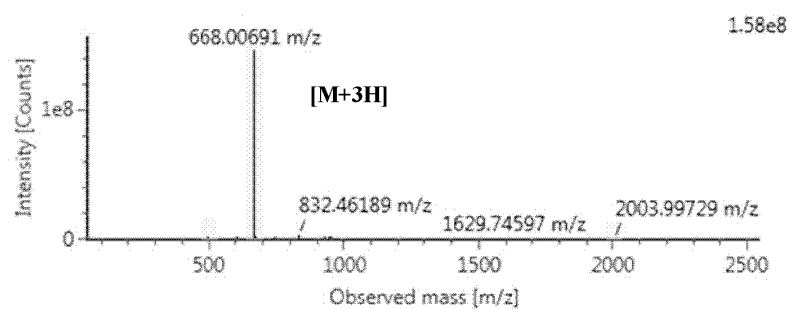


Counts vs Deconvoluted Mass (amu)

(b)

Species	Theoretical mass (Da)	Experimental mass (Da)	Delta (ppm)	Distribution (%)	Average DAR
L0	24195.7284	24191.565	-172.1	4.50	4.21
L1	25745.5912	25741.5072	-158.7	95.50	
H0	48950.659	48943.5982	-144.3	9.45	
H1	50500.5218	50493.5119	-138.8	75.93	
H2	52050.3846	52043.1627	-138.8	4.60	
H3	53600.2474	53593.2505	-130.6	10.02	

Fig.2.

(a). [GEC] +1 Drug**Drug Fragment****(b). [SCDK] +1 Drug**

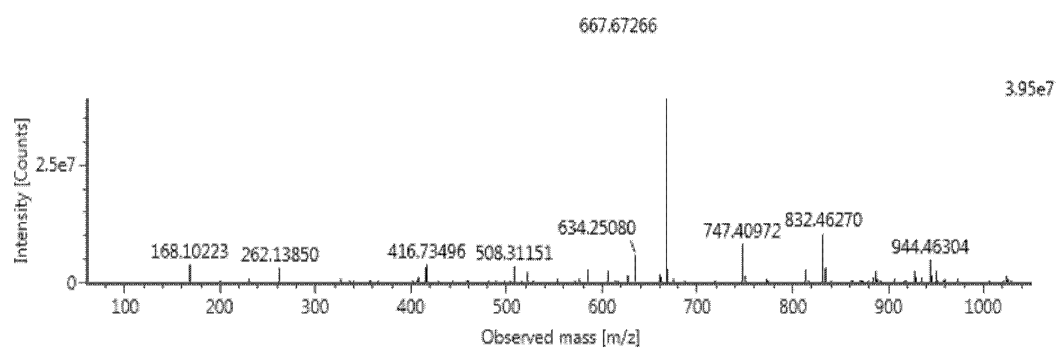
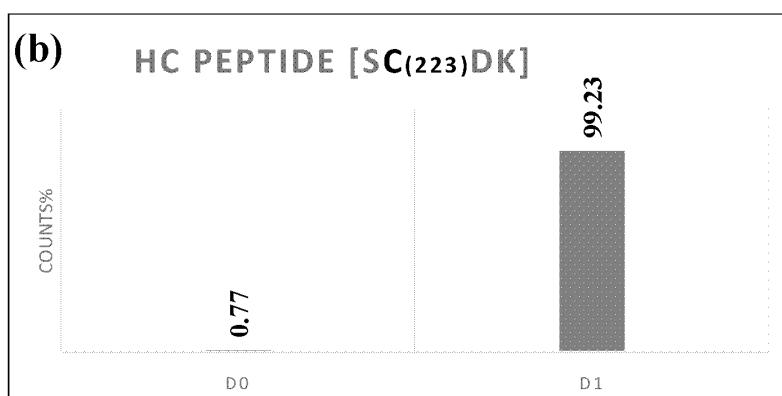
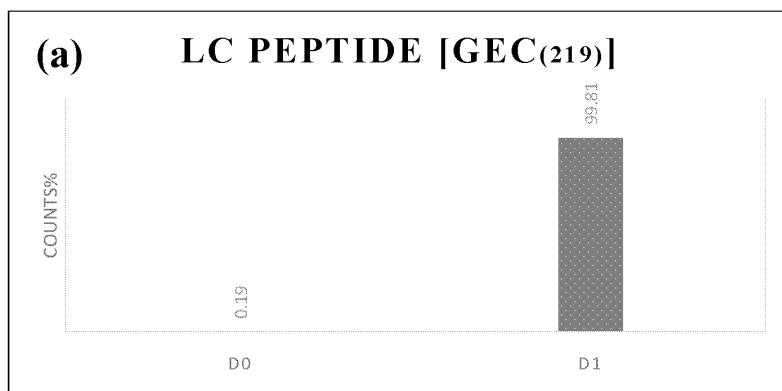


Fig.3



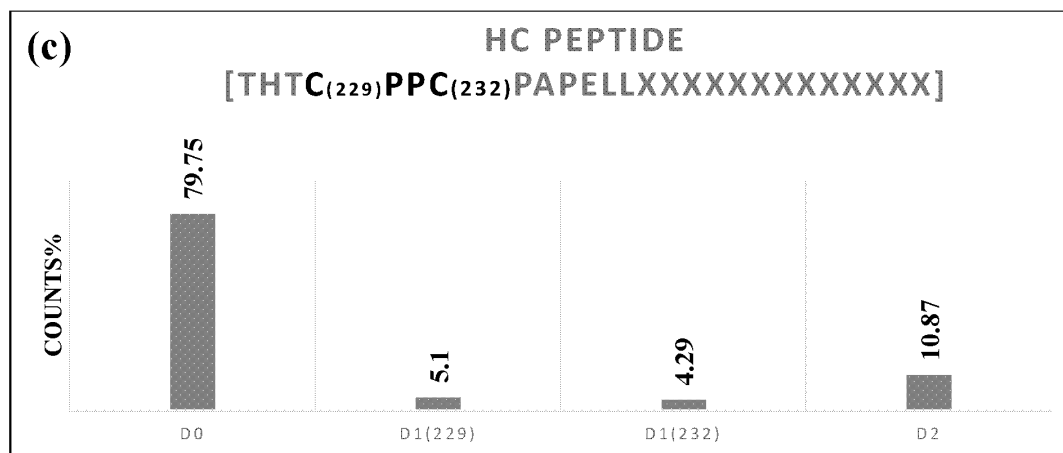
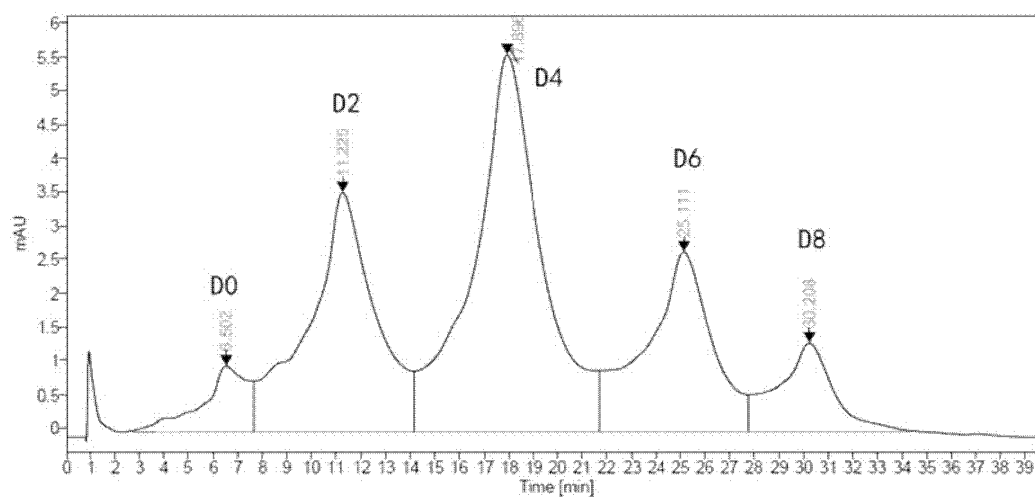


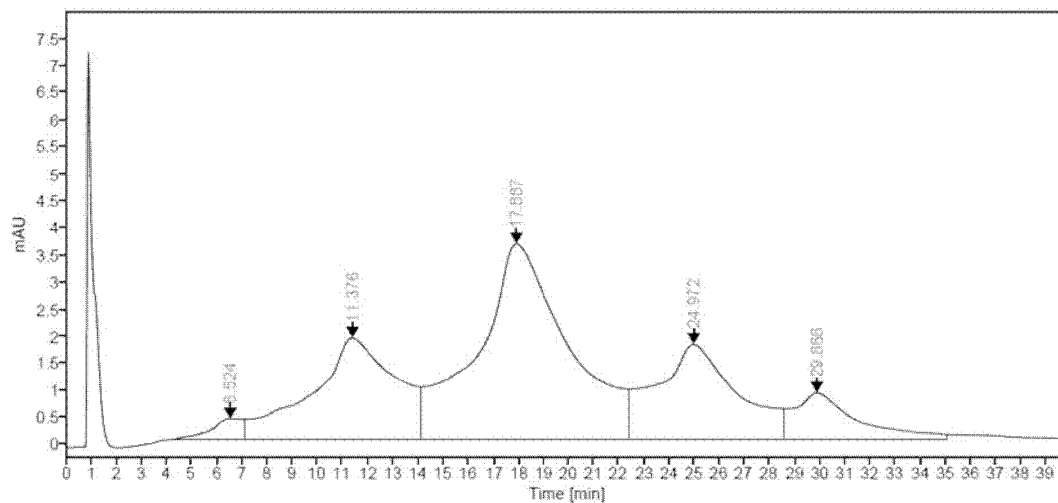
Fig.4.



Description					* VWD1A, Wavelength=280 nm				
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base					
6.502	124.16	0.96	4.85	4.912					
11.225	660.27	3.53	25.80	6.502					
17.896	1073.90	5.58	41.96	7.537					
25.111	497.10	2.65	19.42	6.070					
30.208	204.07	1.30	7.97	6.553					

DAR =4.0,

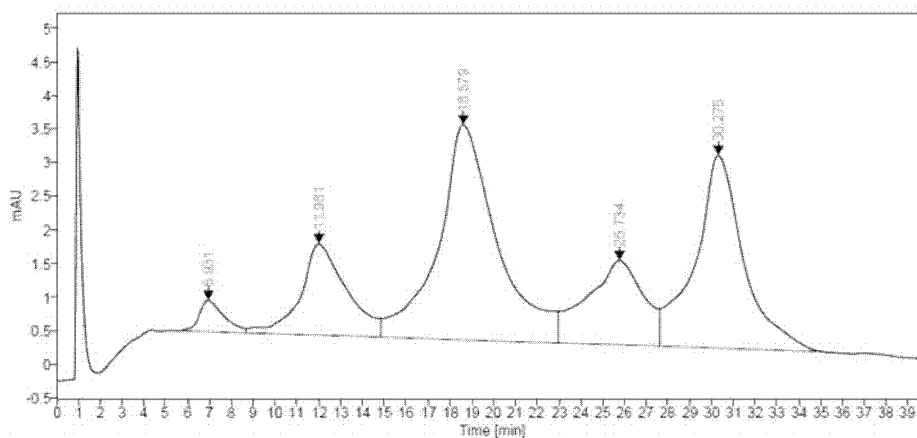
(5a)



RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base
6.524	35.03	0.38	1.82	2.932
11.376	434.97	1.89	22.60	6.992
17.887	907.75	3.62	47.16	8.285
24.972	394.01	1.77	20.47	6.177
29.866	153.01	0.87	7.95	6.468

DAR =4.2,

(5b)

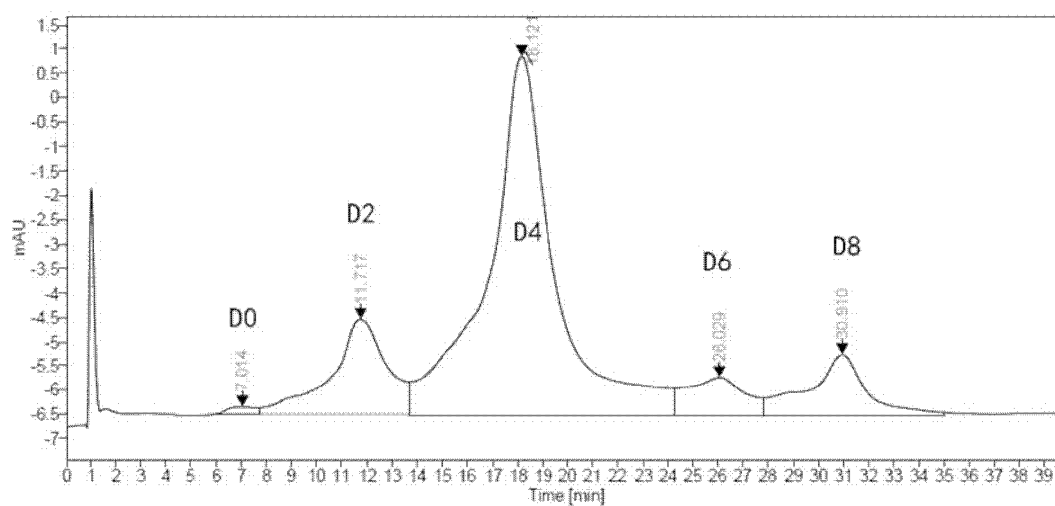


Description					* VWD1A, Wavelength=280 nm
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base	
6.931	36.73	0.47	2.43	2.915	
11.981	200.15	1.36	13.22	6.162	
18.579	606.15	3.19	40.03	8.116	
25.734	226.24	1.26	14.94	4.627	
30.275	444.78	2.86	29.38	7.459	DAR =5.1

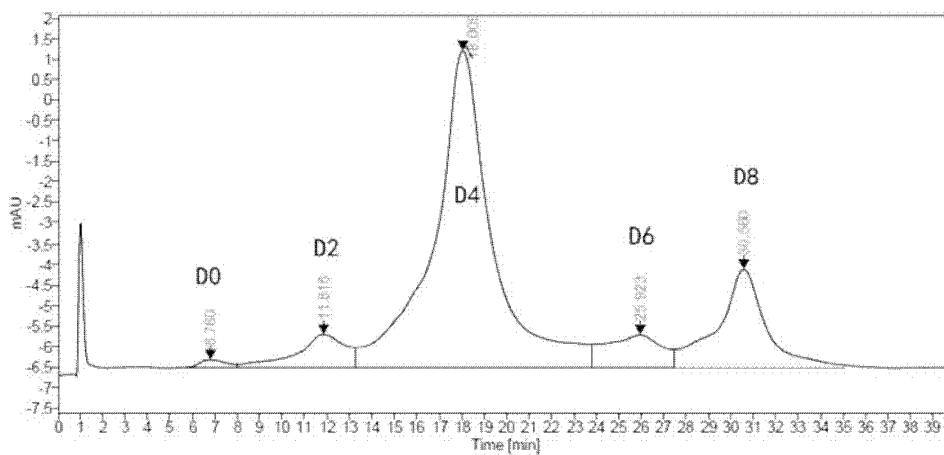
(5c)

Fig. 5

(a).

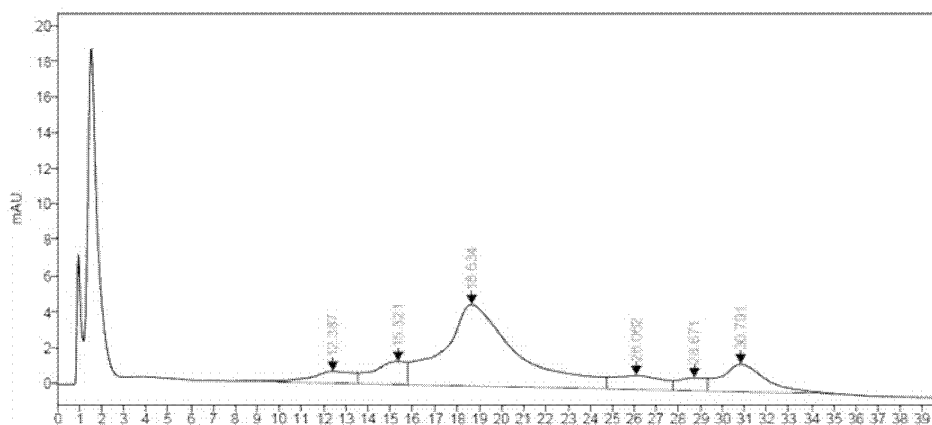


RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base	DAR = 4.2, (6a),
7.014	12.65	0.16	0.63	1.347	
11.717	299.88	1.95	14.95	2.127	
18.121	1366.65	7.37	68.15	10.598	
26.029	125.26	0.78	6.25	3.546	
30.910	201.05	1.25	10.02	7.228	



RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base
6.760	16.85	0.19	0.83	2.720
11.816	126.20	0.82	6.18	5.276
18.009	1396.03	7.76	68.39	10.531
25.923	139.95	0.81	6.86	3.662
30.560	362.34	2.41	17.75	7.576

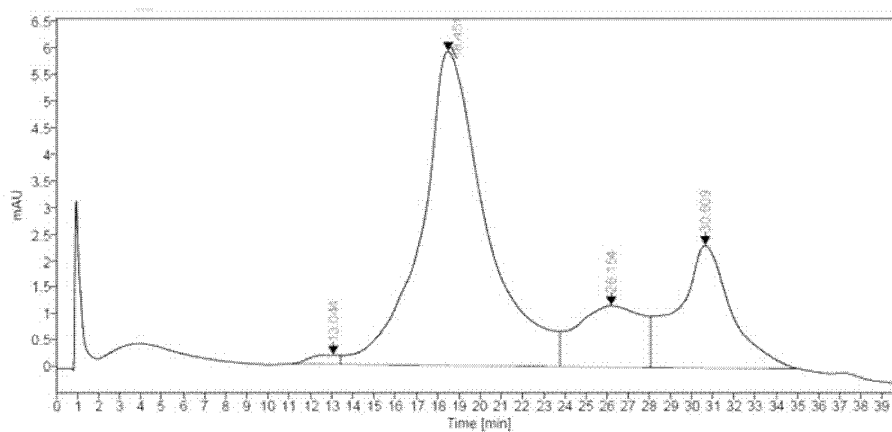
DAR= 4.7, (6b);



Description VWD1A,Wavelength=280 nm					
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base	
12.387	90.39	0.64	5.49	5.427	
15.321	130.37	1.27	7.92	2.252	
18.634	1029.57	4.53	62.53	8.956	
26.062	120.47	0.78	7.32	2.992	
28.671	61.08	0.71	3.71	1.561	
30.791	214.66	1.54	13.04	5.744	

DAR = 4.59

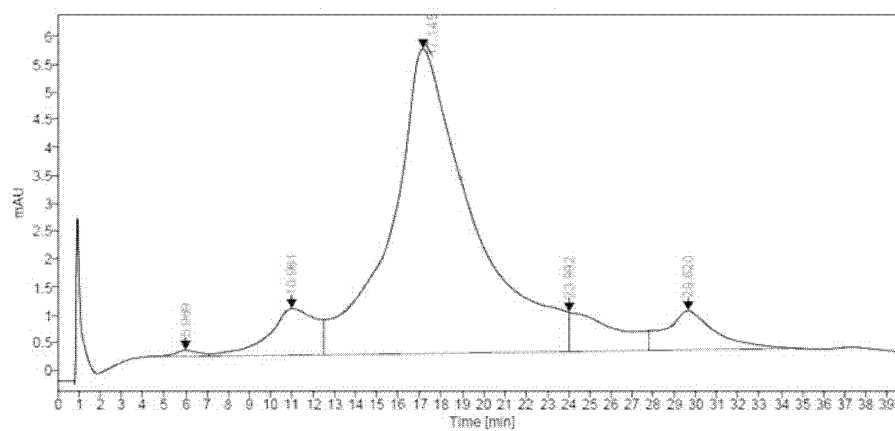
(6c)



13.044	16.75	0.17	0.86	1.247
18.451	1262.24	5.92	65.16	3.017
26.154	249.87	1.16	12.90	4.253
30.609	408.28	2.31	21.08	7.014

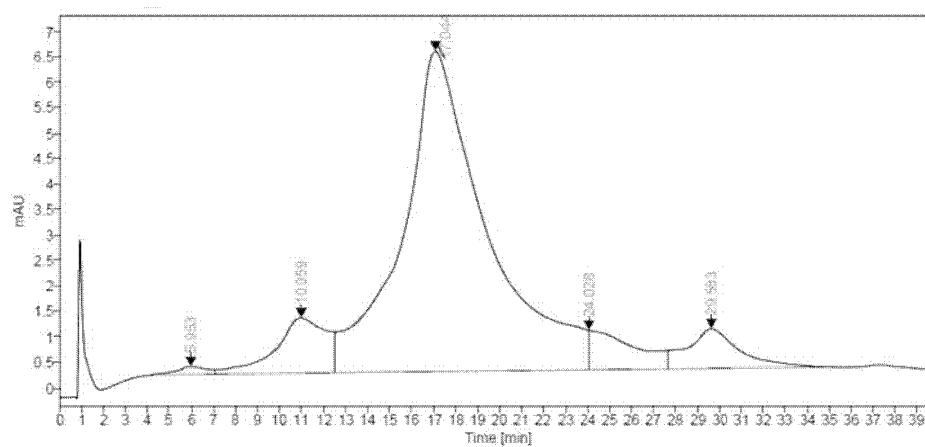
DAR=5.08; (6d)

Fig. 6



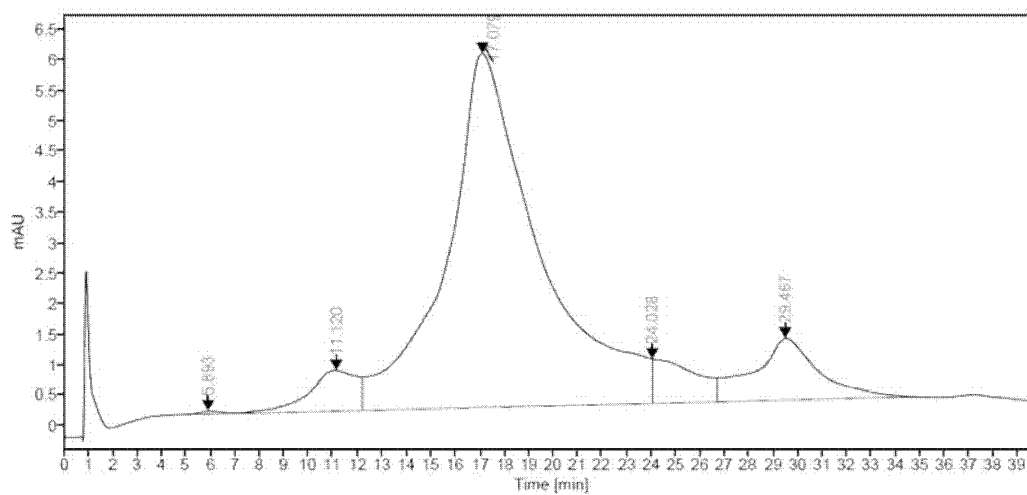
Description				
* VWD1A, Wavelength=280 nm				
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base
5.969	9.13	0.11	0.50	1.238
10.961	130.34	0.84	7.19	2.585
17.145	1446.78	5.47	79.81	3.499
23.992	108.59	0.71	5.99	2.545
29.620	117.92	0.71	6.51	2.310

Fig. 7



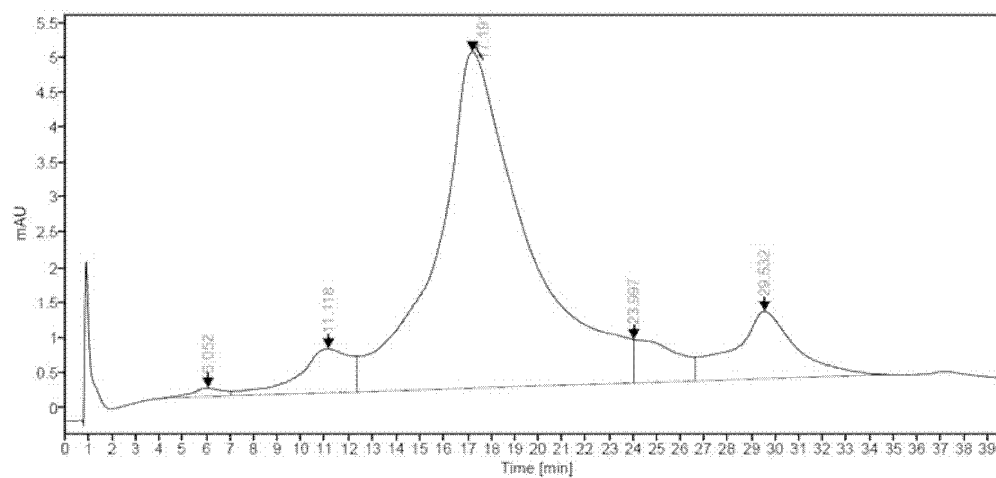
* VWD1A, Wavelength=280 nm				
Description	RT [min]	Area	Peak Height	Peak Area Percent %
	5.953	14.86	0.15	0.71
	10.959	172.65	1.07	8.26
	17.044	1666.20	6.29	79.68
	24.028	109.88	0.76	5.25
	29.583	127.56	0.76	6.10

Fig. 8



* VWD1A, Wavelength=280 nm				
Description	RT [min]	Area	Peak Height	Peak Area Percent %
	5.893	3.80	0.05	0.20
	11.120	90.83	0.67	4.77
	17.079	1530.54	5.80	80.39
	24.028	88.15	0.73	4.63
	29.467	190.49	1.02	10.01

Fig. 9

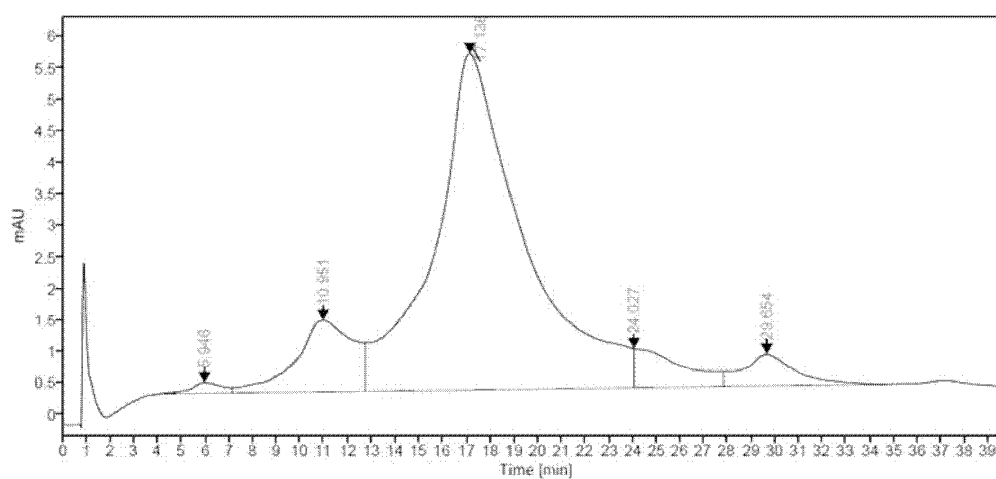


Description

* VWD1A, Wavelength=280 nm

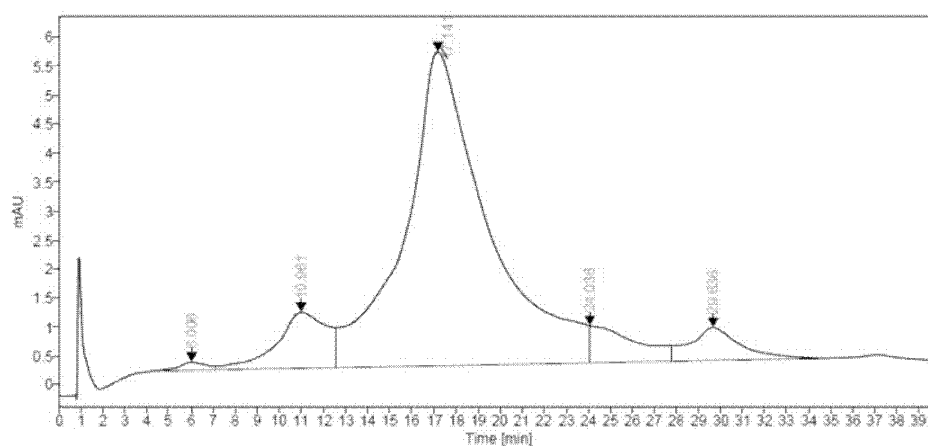
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base
6.052	11.21	0.12	0.69	1.322
11.118	95.20	0.62	5.89	2.137
17.191	1259.76	4.80	77.94	3.463
23.997	74.93	0.61	4.64	2.061
29.532	175.27	0.95	10.84	2.551

Fig.10



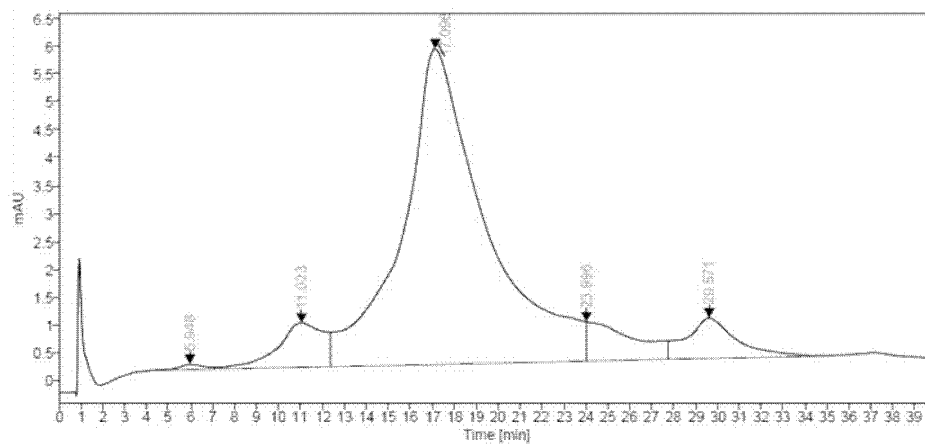
* VWD1A,Wavelength=280 nm				
Description	RT [min]	Area	Peak Height	Peak Area Percent %
	5.946	14.81	0.16	0.84
	10.951	190.64	1.14	10.82
	17.136	1387.08	5.32	78.73
	24.027	89.53	0.62	5.08
	29.654	79.67	0.51	4.52

Fig. 11



* VWD1A,Wavelength=280 nm				
Description	RT [min]	Area	Peak Height	Peak Area Percent %
	6.006	12.39	0.14	0.69
	10.961	155.18	0.97	8.70
	17.141	1428.21	5.42	80.11
	24.036	93.44	0.65	5.24
	29.636	93.62	0.58	5.25

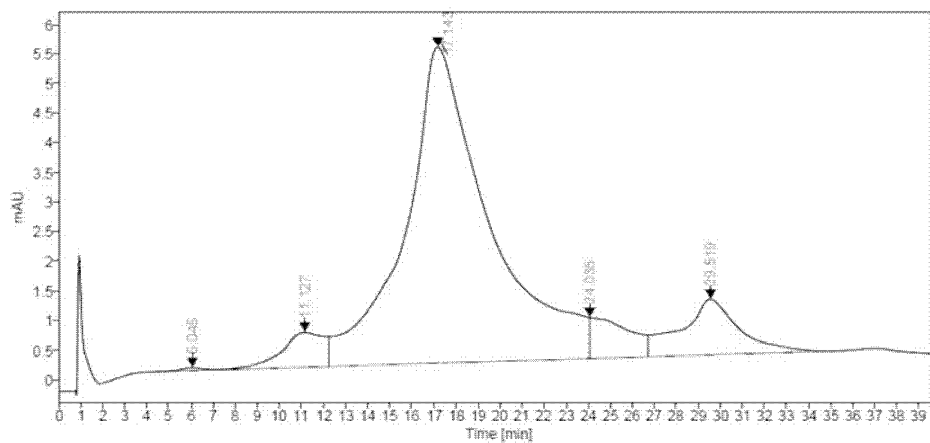
Fig. 12



Description * VWD1A, Wavelength=280 nm

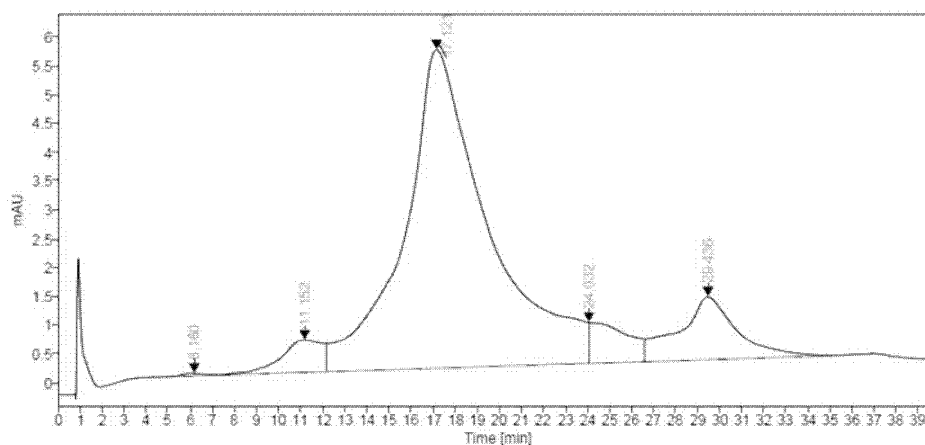
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base
5.948	7.62	0.09	0.42	1.340
11.023	116.93	0.80	6.38	2.084
17.096	1487.01	5.66	81.15	3.464
23.996	104.35	0.70	5.69	2.472
29.571	116.46	0.72	6.36	7.110

Fig. 13



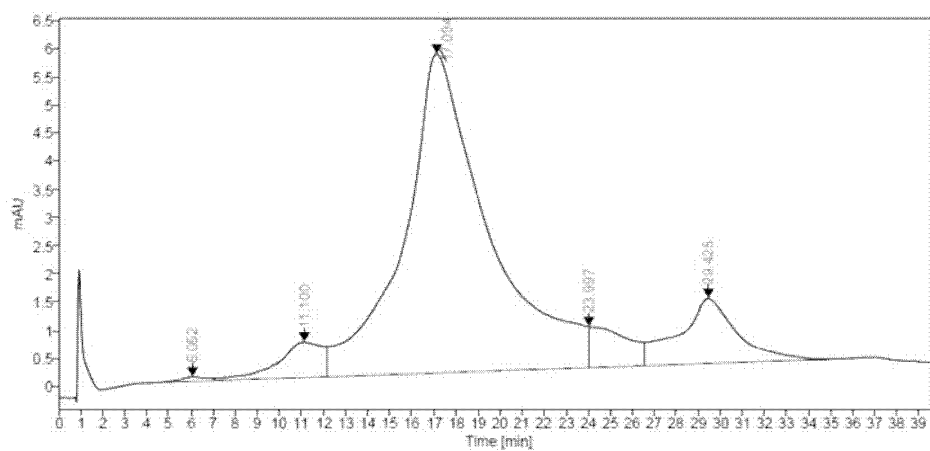
Description * VWD1A,Wavelength=280 nm				
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base
6.045	3.28	0.05	0.19	2.625
11.127	76.86	0.58	4.43	4.896
17.143	1403.64	5.32	80.82	3.476
24.035	82.62	0.68	4.76	2.027
29.519	170.38	0.92	9.81	8.137

Fig. 14



Description * VWD1A,Wavelength=280 nm				
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base
6.160	3.09	0.04	0.17	1.170
11.152	74.21	0.57	4.05	1.853
17.121	1463.04	5.53	79.93	3.470
24.032	86.09	0.72	4.70	1.989
29.436	204.00	1.10	11.14	2.501

Fig. 15

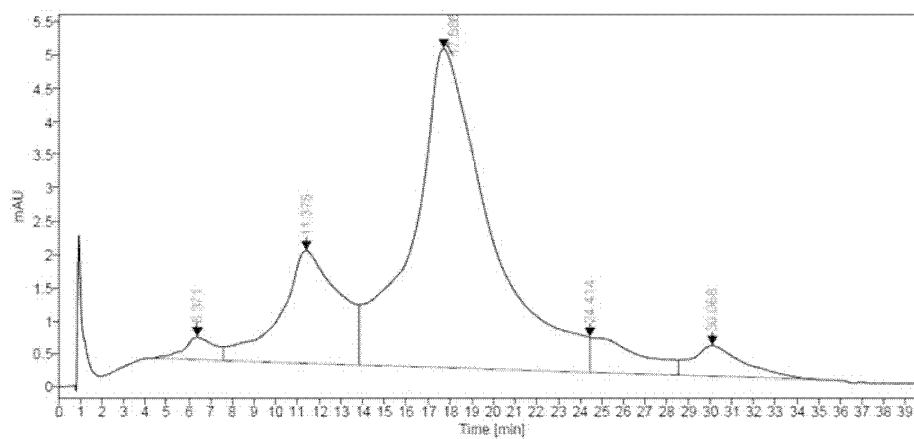


Description

* VWD1A, Wavelength=280 nm

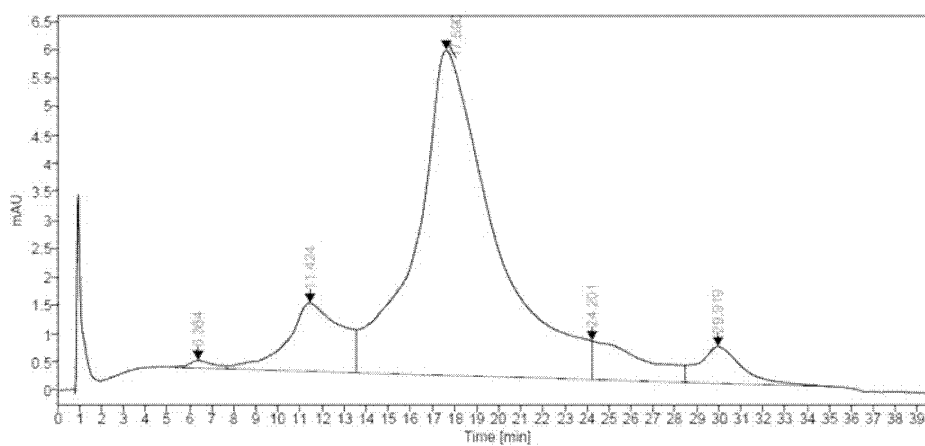
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base
6.052	6.38	0.08	0.33	1.381
11.100	89.56	0.63	4.69	1.991
17.094	1507.65	5.67	79.02	3.501
23.997	88.37	0.73	4.63	2.006
29.425	215.98	1.16	11.32	8.325

Fig. 16



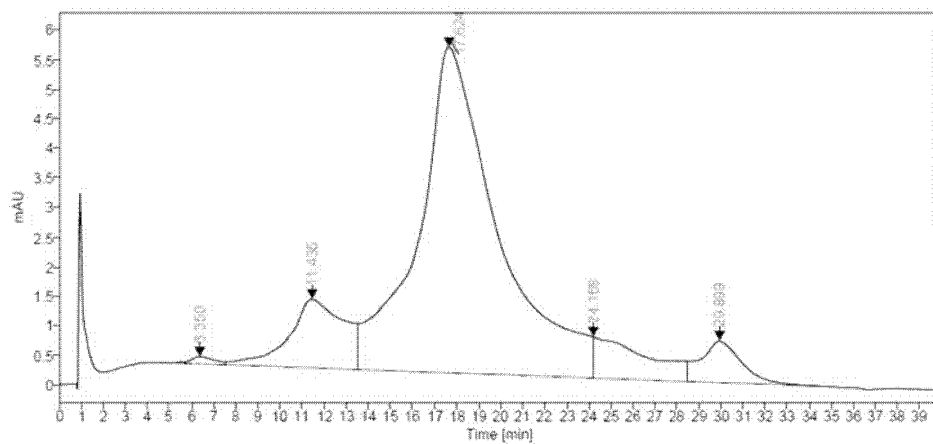
Description		* VWD1A,Wavelength=280 nm			
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base	
6.371	34.05	0.34	2.00	1.421	
11.375	323.06	1.70	18.96	2.510	
17.686	1184.71	4.80	69.54	3.262	
24.414	85.26	0.53	5.00	2.697	
30.068	76.64	0.46	4.50	2.220	

Fig. 17



Description		* VWD1A,Wavelength=280 nm			
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base	
6.364	10.60	0.13	0.58	2.390	
11.424	204.04	1.20	11.21	5.836	
17.590	1406.23	5.73	77.25	3.505	
24.201	112.50	0.68	6.18	2.759	
29.919	87.10	0.64	4.78	6.599	

Fig. 18

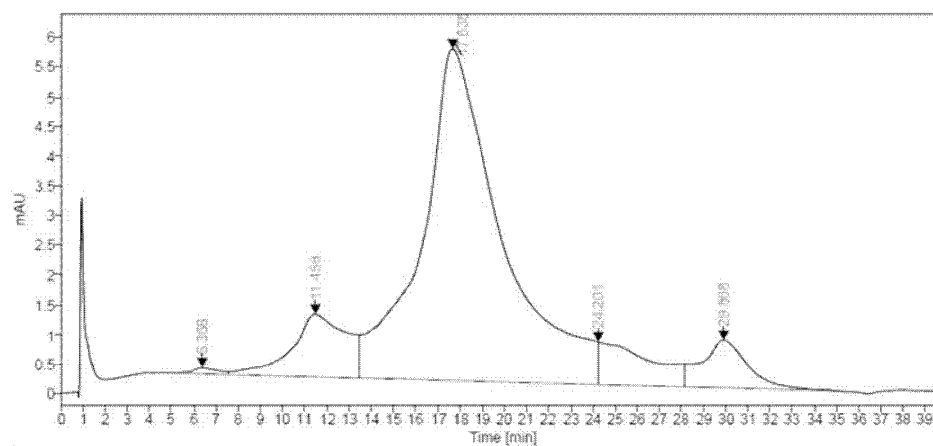


Description

* VWD1A, Wavelength=280 nm

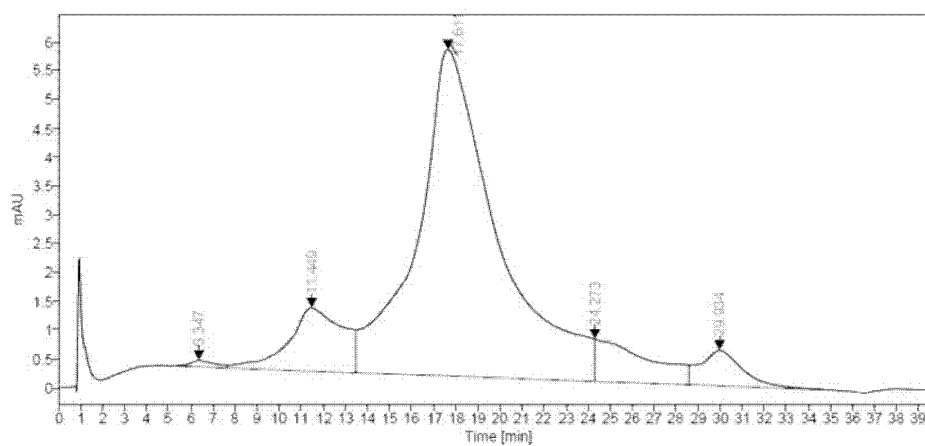
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base
6.350	9.04	0.12	0.51	2.204
11.435	198.61	1.15	11.13	5.976
17.624	1368.26	5.49	76.70	3.325
24.169	118.23	0.68	6.63	2.878
29.899	89.77	0.69	5.03	6.613

Fig. 19



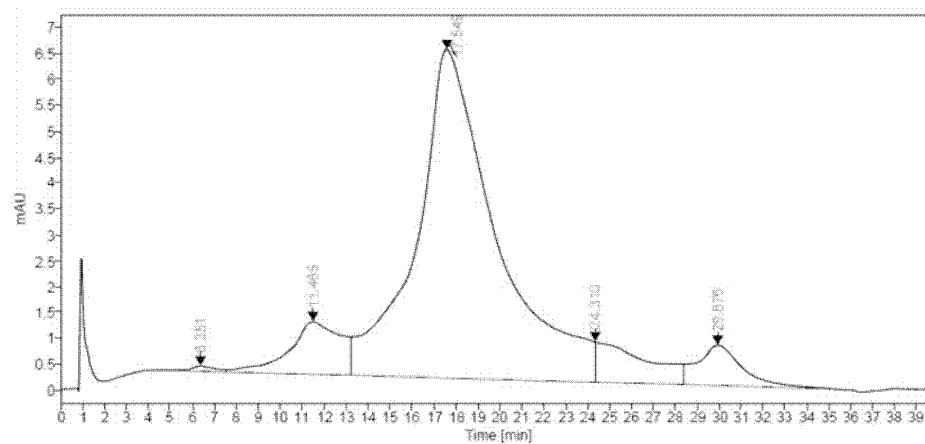
* VWD1A,Wavelength=280 nm				
Description	RT [min]	Area	Peak Height	Peak Area Percent %
	6.368	7.97	0.10	0.44
	11.458	183.25	1.06	10.02
	17.635	1400.25	5.58	76.58
	24.201	119.79	0.73	6.55
	29.868	117.23	0.81	6.41

Fig. 20



* VWD1A,Wavelength=280 nm				
Description	RT [min]	Area	Peak Height	Peak Area Percent %
	6.347	9.05	0.11	0.50
	11.449	185.47	1.08	10.18
	17.611	1420.21	5.65	77.97
	24.273	124.74	0.72	6.85
	29.934	82.06	0.61	4.50

Fig. 21

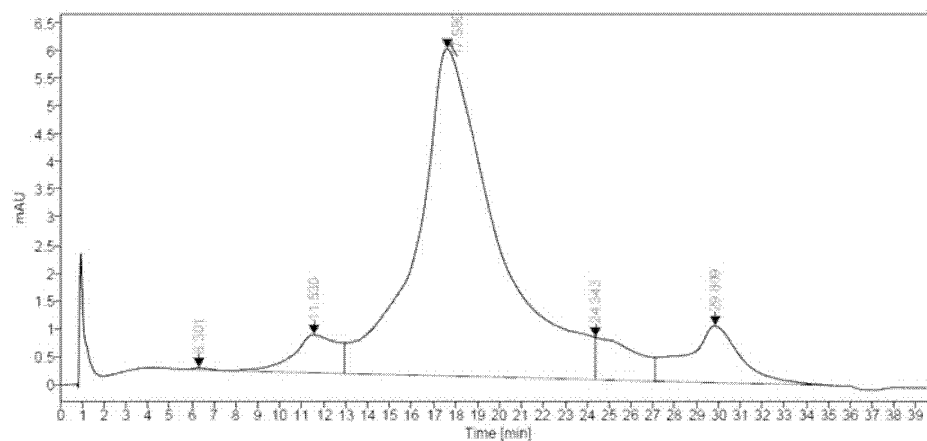


Description

* VWD1A, Wavelength=280 nm

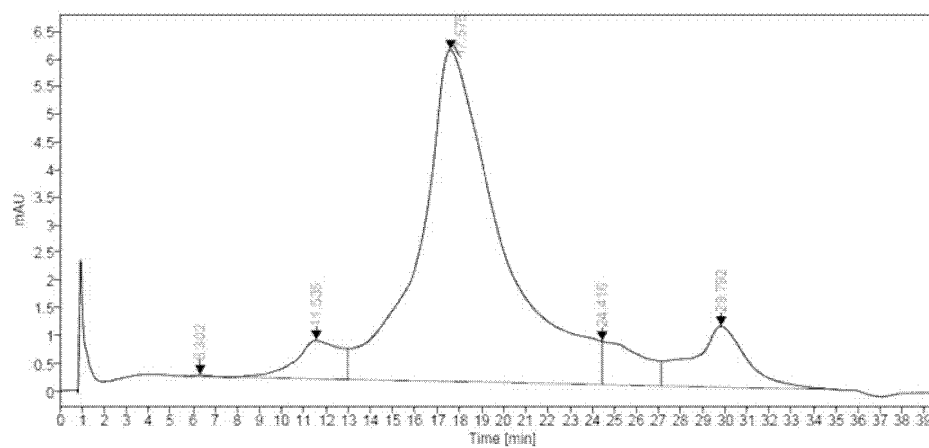
RT [min]	Area	Peak Height	Peak Area Percent %	Peak Width Base
6.351	7.08	0.10	0.35	2.122
11.465	167.05	1.02	8.30	5.700
17.549	1599.43	6.35	79.44	3.580
24.310	128.22	0.78	6.37	2.746
29.876	111.56	0.78	5.54	6.720

Fig. 22



* VWD1A, Wavelength=280 nm				
Description	RT [min]	Area	Peak Height	Peak Area Percent %
	6.301	1.41	0.03	0.08
	11.530	95.57	0.67	5.17
	17.589	1479.14	5.88	80.01
	24.343	95.79	0.75	5.18
	29.809	176.90	1.01	9.57

Fig. 23



* VWD1A, Wavelength=280 nm				
Description	RT [min]	Area	Peak Height	Peak Area Percent %
	6.302	0.91	0.03	0.05
	11.535	97.26	0.68	5.12
	17.575	1516.60	5.99	79.83
	24.416	97.24	0.77	5.12
	29.792	187.72	1.08	9.88

Fig. 24

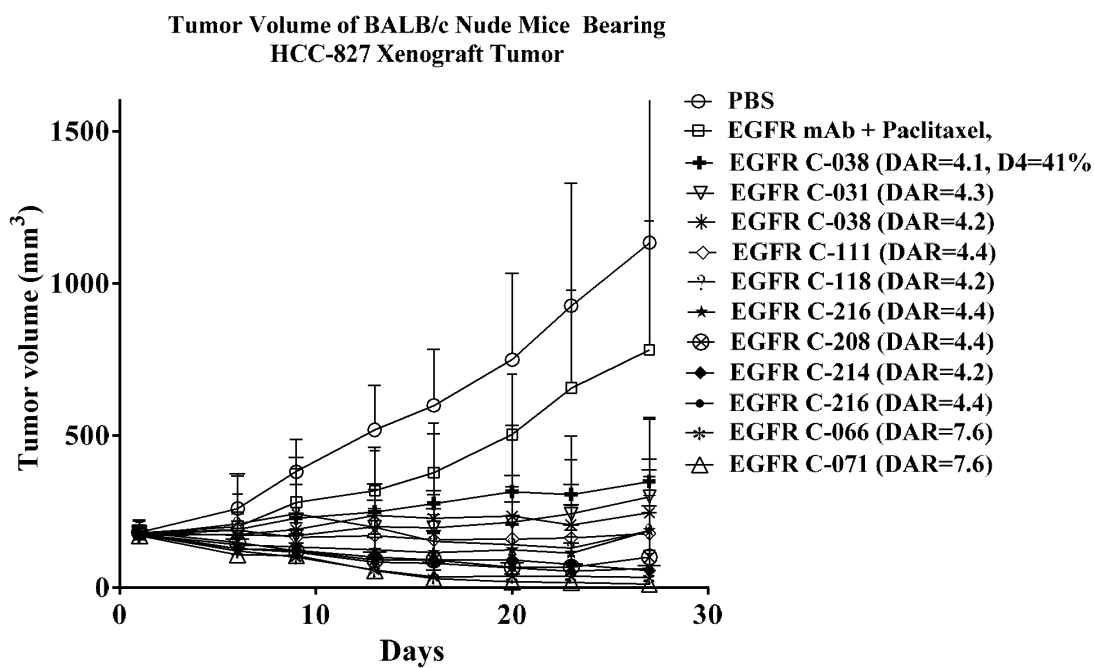


Fig. 25

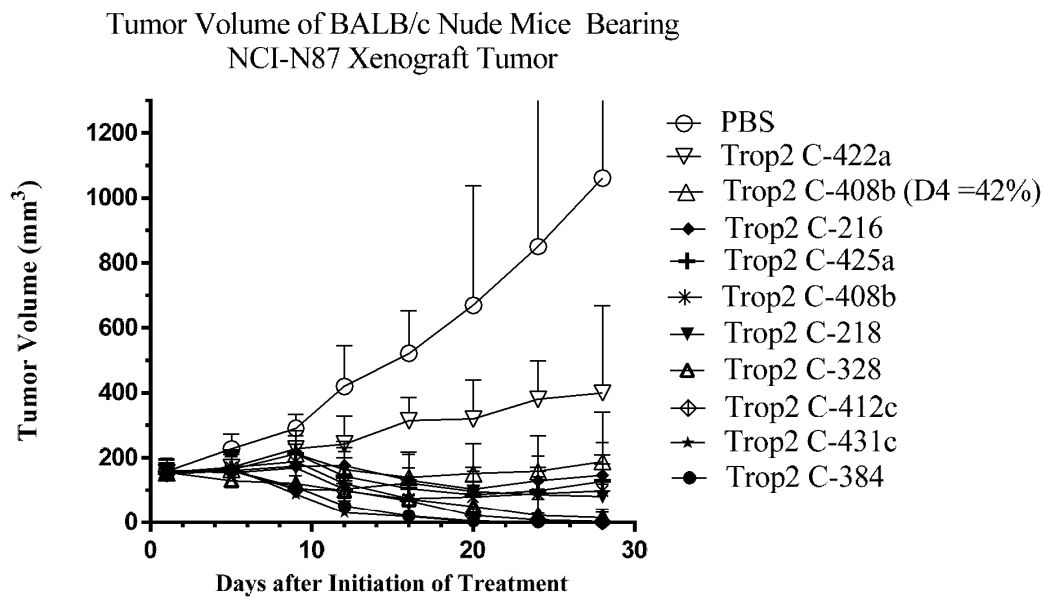


Fig. 26

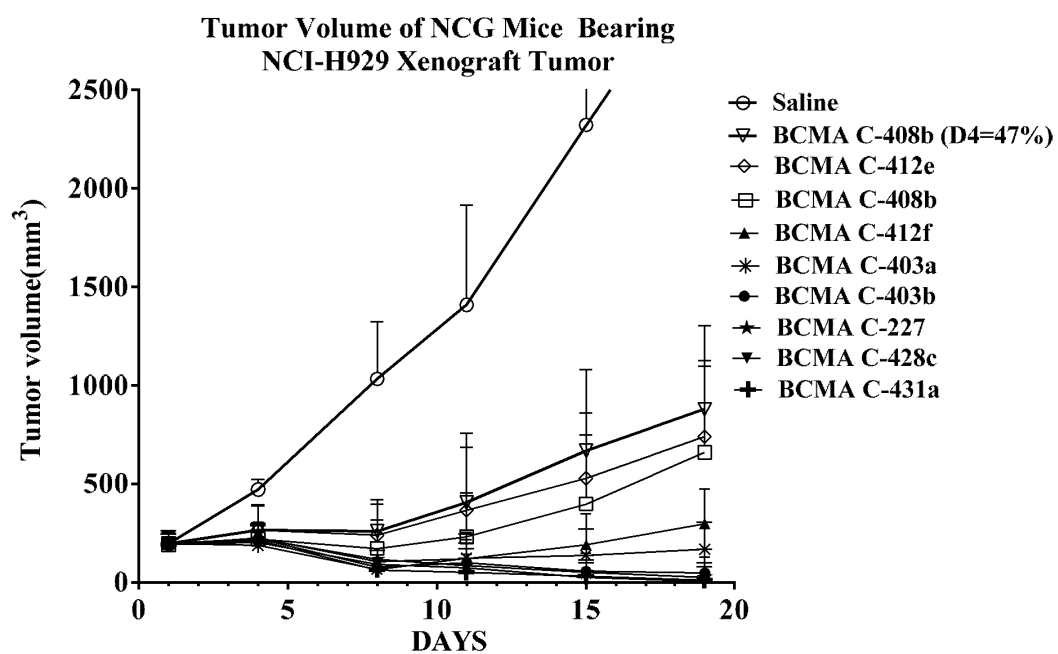


Fig. 27