

Supporting Information

D-amino acid position influences the anticancer activity of *Galaxamide* analogs: An apoptotic mechanism study

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Figure S1. Quantification and statistical analysis of Hoechst data for comparing the percentage of cells with regular nuclei shape treated by *Galaxamide* and Analog-6,

* $p < 0.5$, ** $p < 0.01$.

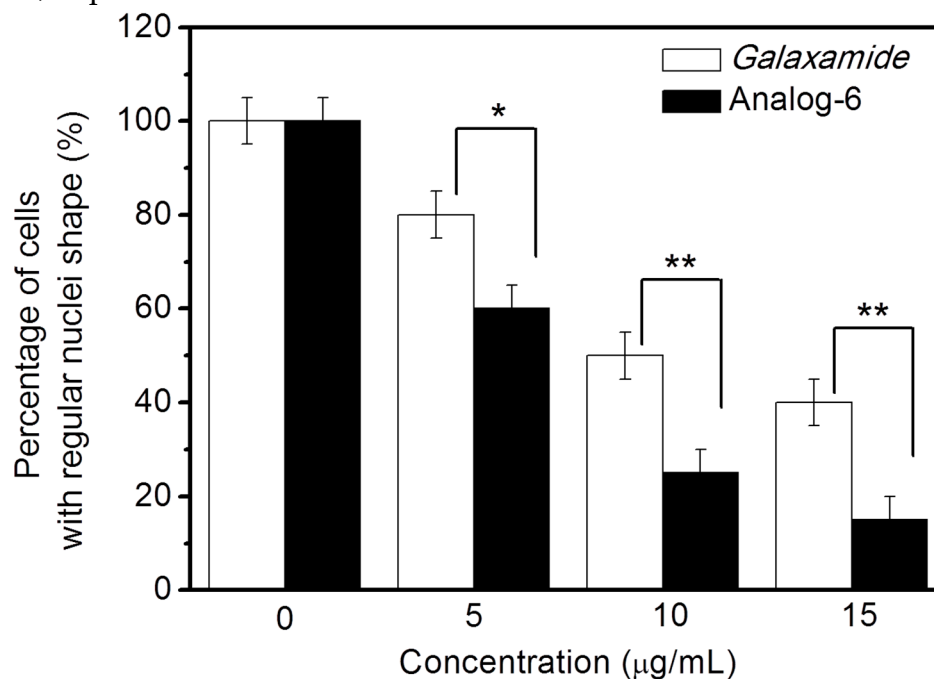
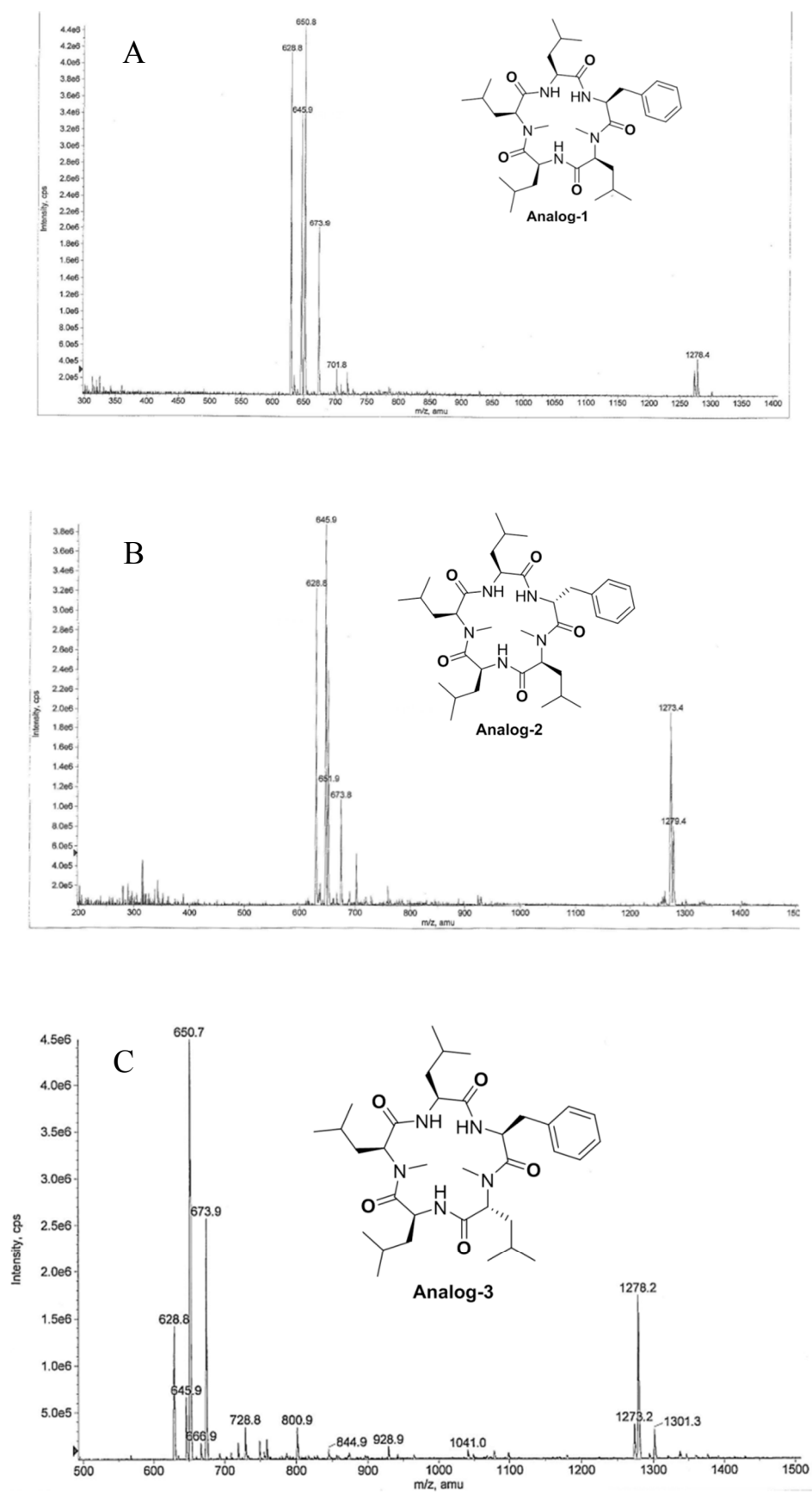


Figure S2. Mass Spectra (MS) of Analog-1 to Analog-6 (A-F)



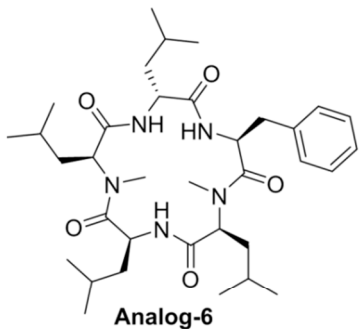
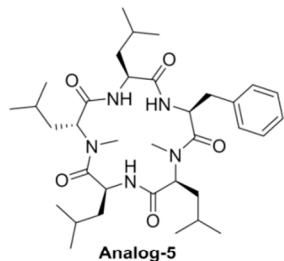
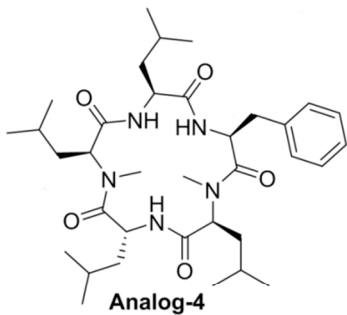
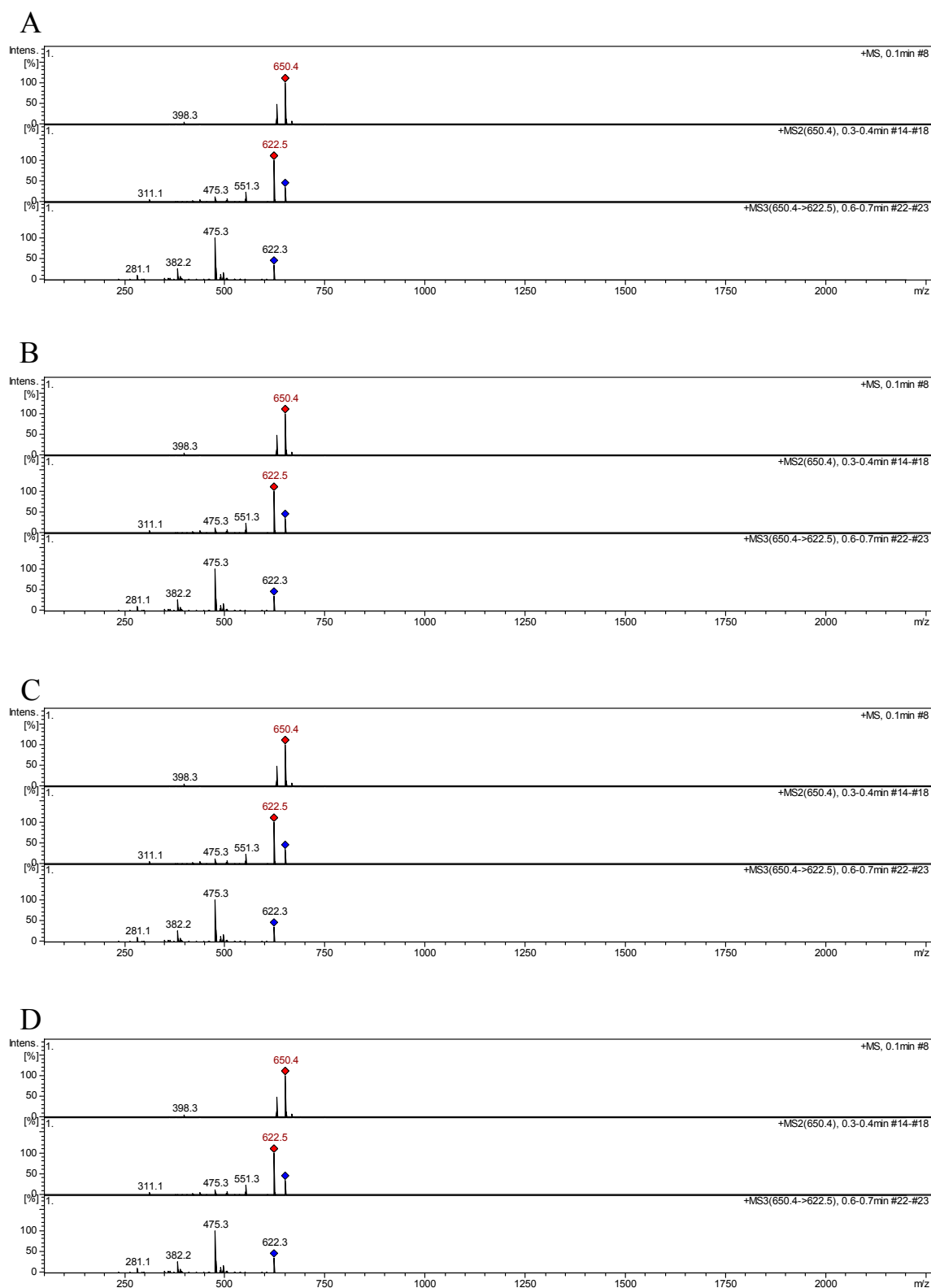


Figure S3. Mass-Mass Spectra (MS-MS) of Analog-1 to Analog-6 (A-F)



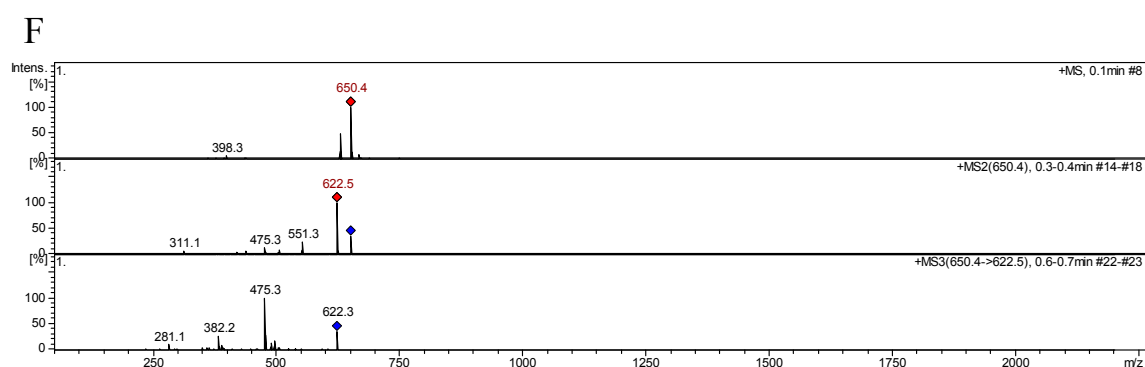
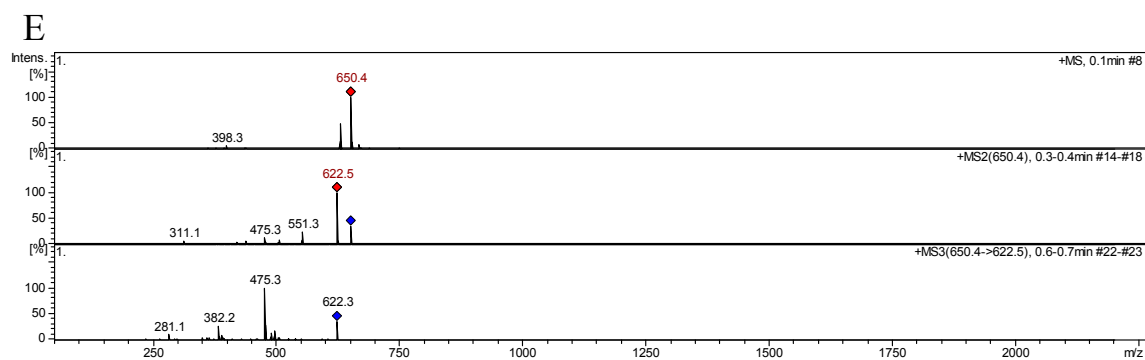
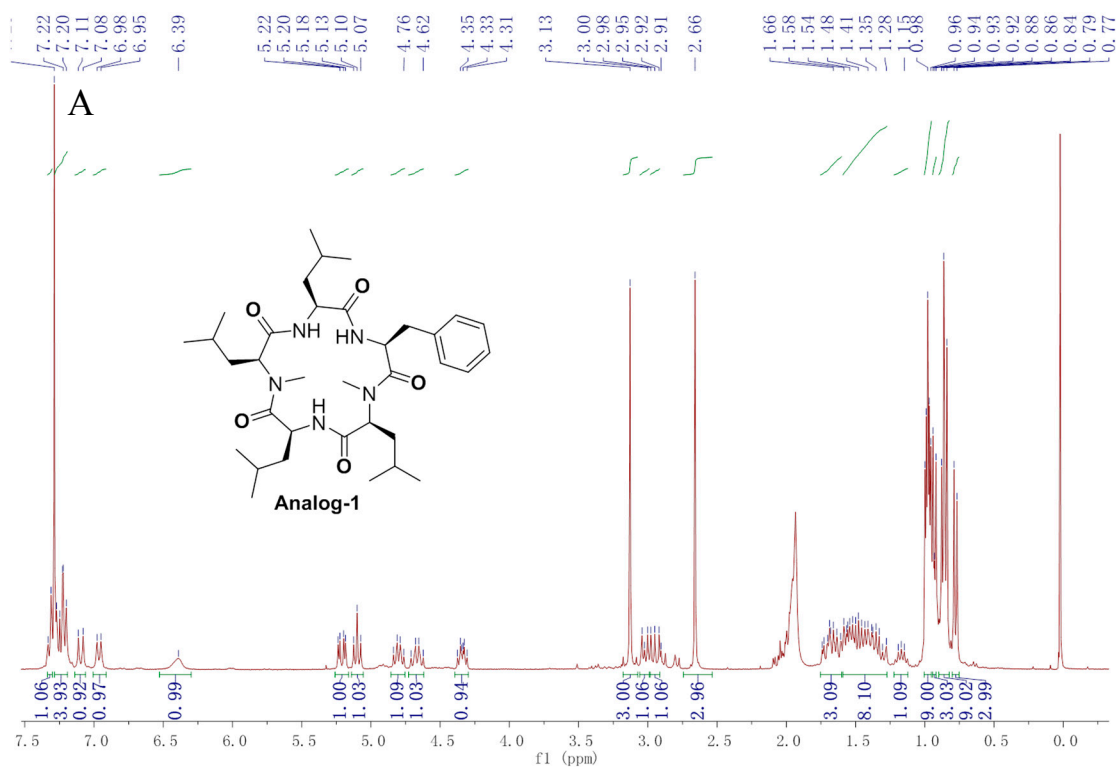
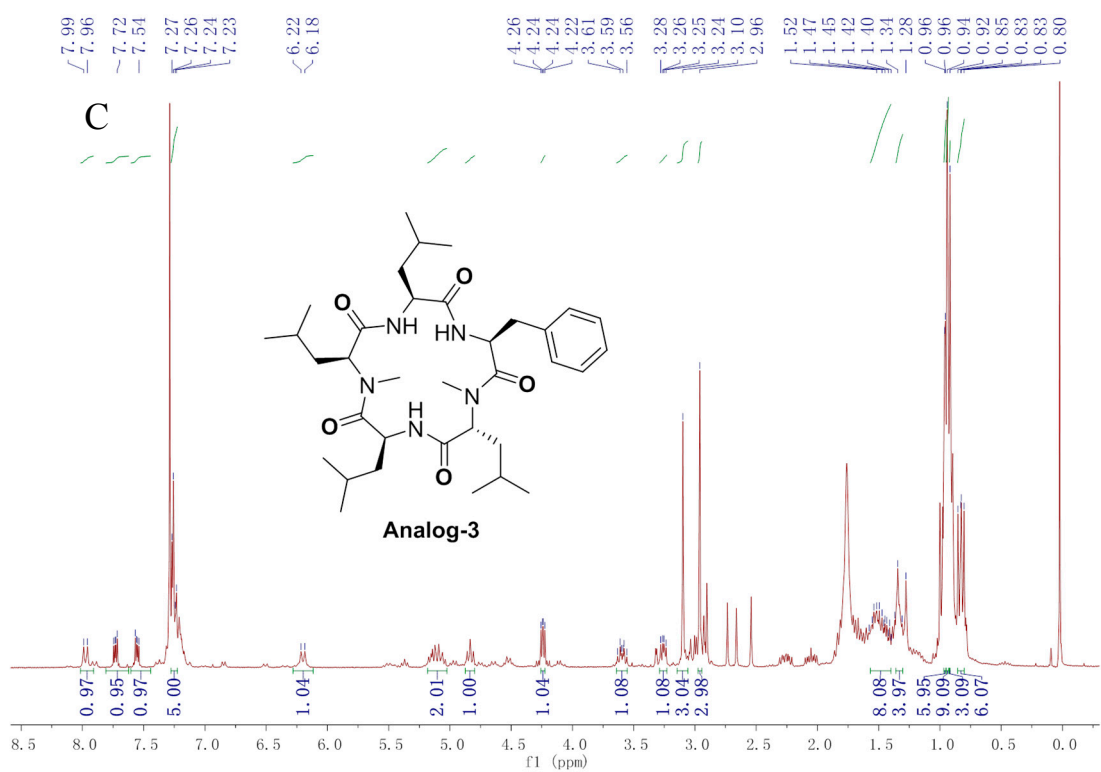
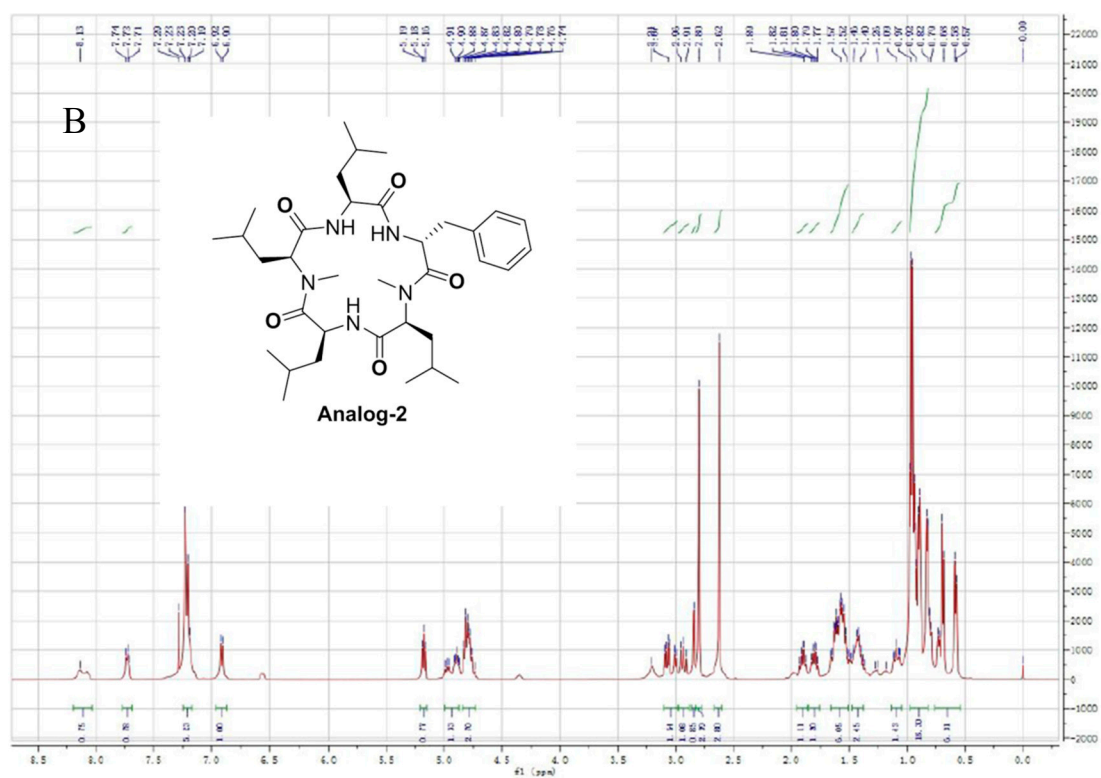
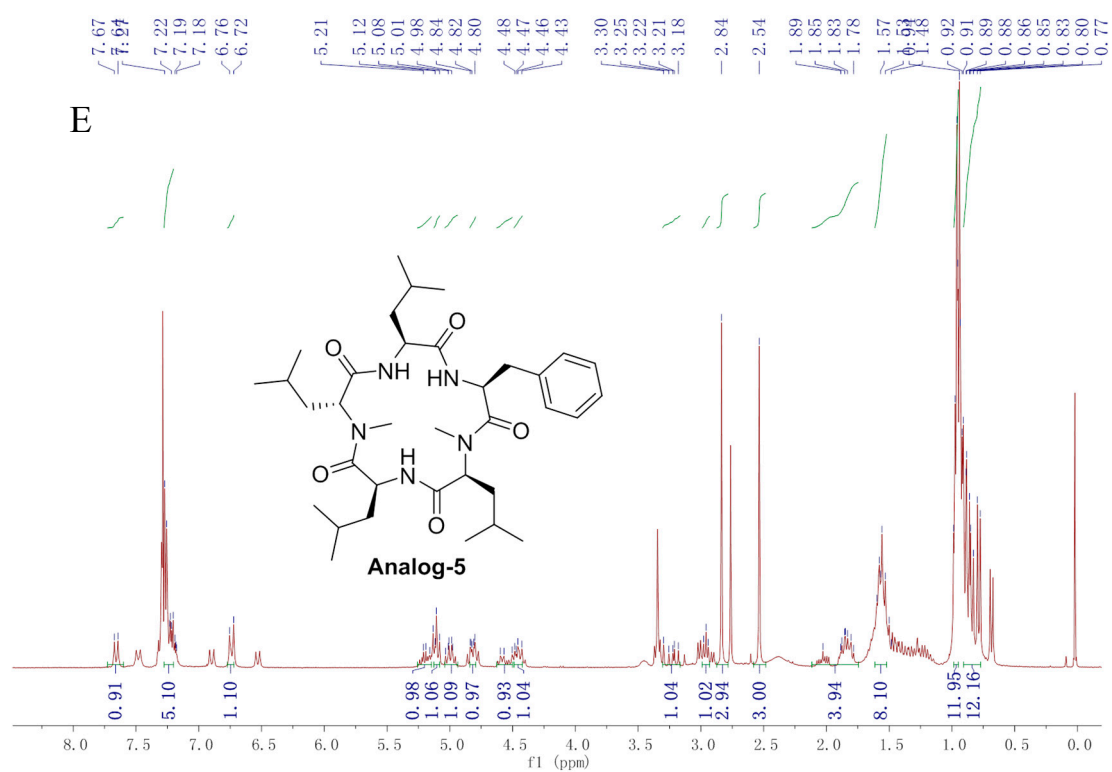
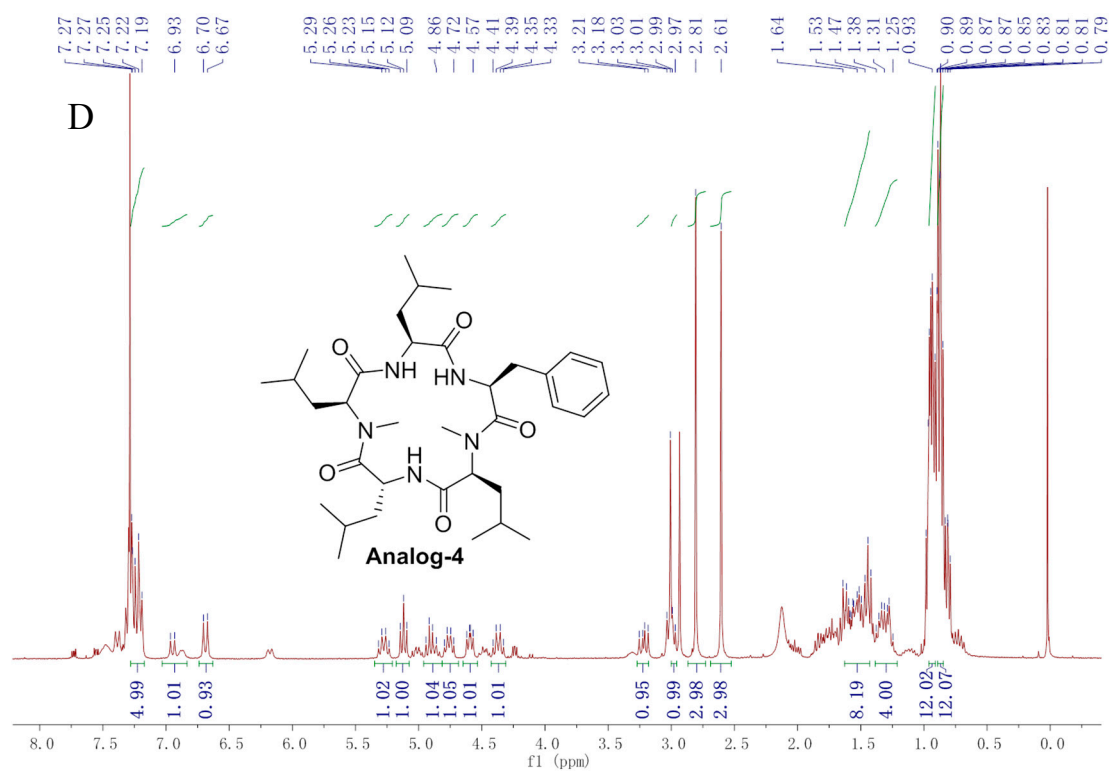


Figure S4. ^1H -NMR of Analog-1 to Analog-6 (A-F)







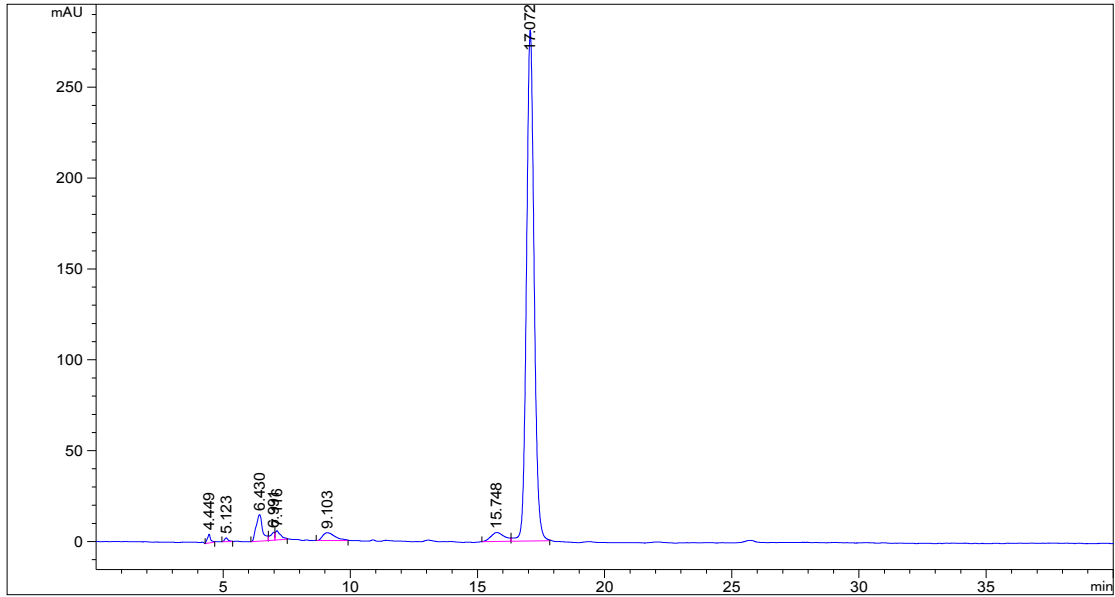
[illegible]

Figure S5. HPLC of Analog-1 to Analog-6 (A-F)

Note: HPLC conditions: Mobile phase flow rate : 2 mL/min, Injection volume : 20 μ L, Equipment : Agilent 1200 series HPLC, Column : 5C₁₈-MS-II (4.61ID $\times$ 250 mm)

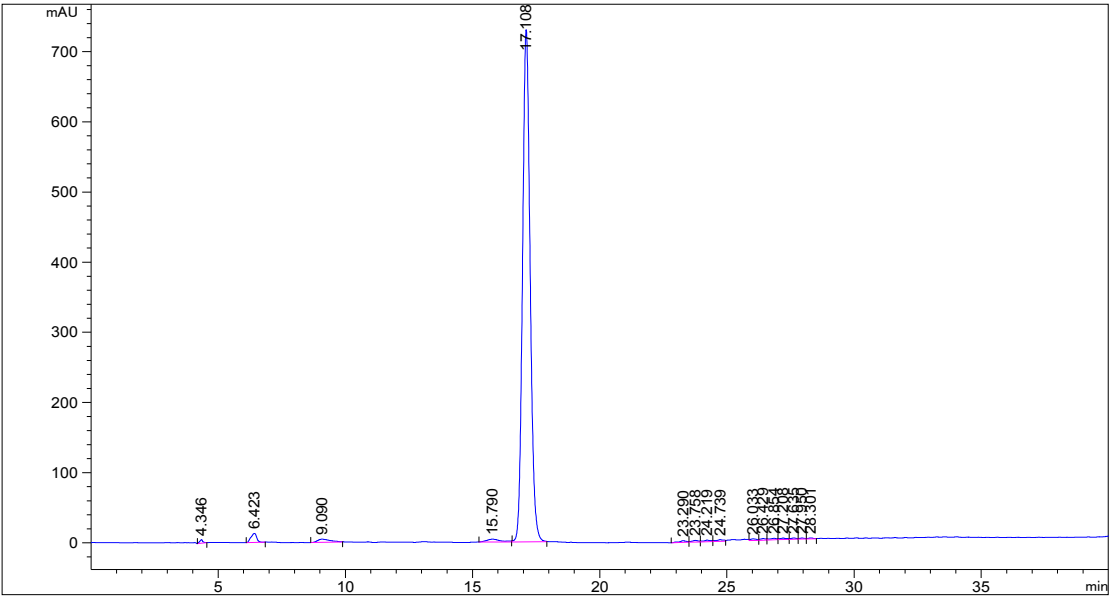
A	峰 #	保留时间 [min]	类型	峰宽 [min]	峰面积 [mAU*s]	峰高 [mAU]	峰面积 %
	1	4.454	BB	0.1224	9.75937	1.09026	0.7733
	2	5.121	BB	0.1370	20.68487	2.29889	1.6390
	3	6.436	BB	0.2458	55.94862	3.29945	4.4331
	4	7.256	BB	0.1138	8.46250	1.15020	0.6705
	5	17.072	BB	0.3160	1167.21814	57.22709	92.4842

总量 : 1262.07350 65.06589



B 峰 #	保留时间 [min]	类型	峰宽 [min]	峰面积 [mAU*s]	峰高 [mAU]	峰面积 %
1	4.348	BB	0.1178	9.34541	1.09241	0.2902
2	6.422	BB	0.2361	46.14788	2.92418	1.4329
3	17.108	BB	0.3179	3089.35693	150.23499	95.9273
4	23.280	BV	0.2506	29.10389	1.56732	0.9037
5	23.754	VV	0.2087	22.13979	1.35448	0.6875
6	24.214	VB	0.1577	14.07874	1.17551	0.4372
7	24.735	BB	0.1427	10.34518	1.01672	0.3212

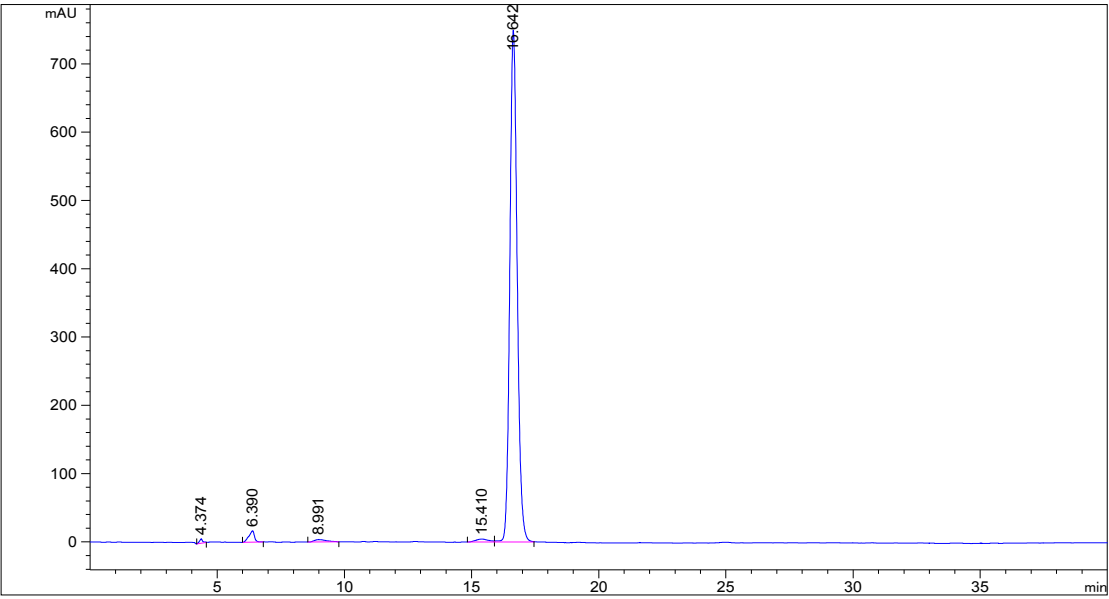
总量 : 3220.51782 159.36560



C

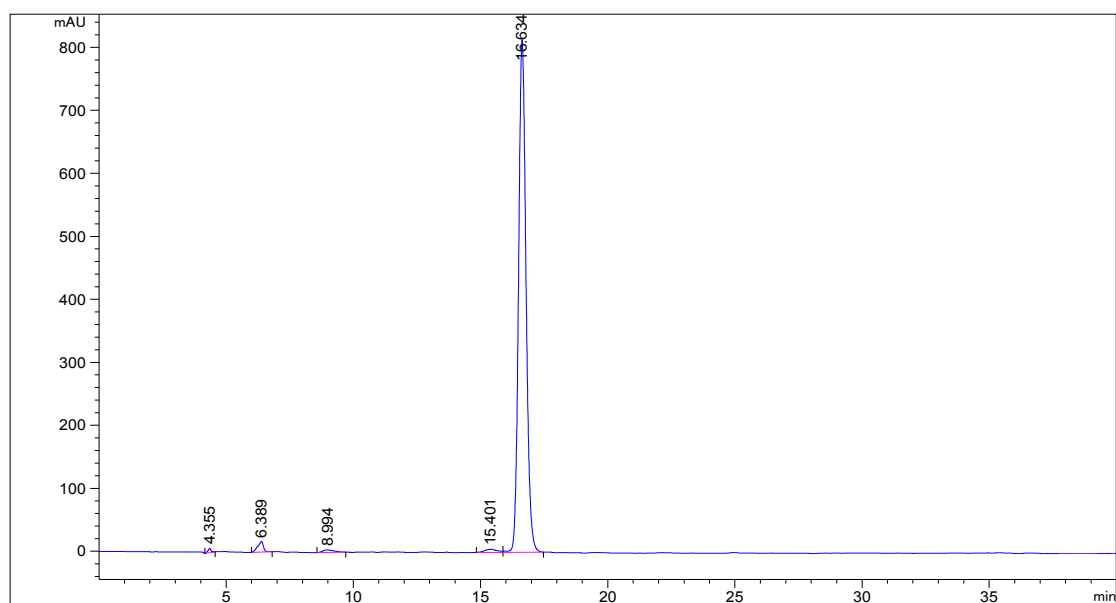
峰 #	保留时间 [min]	类型	峰宽 [min]	峰面积 [mAU*s]	峰高 [mAU]	峰面积 %
1	4.376	BB	0.1276	10.11250	1.09680	0.3178
2	6.388	BB	0.2163	81.75143	5.28897	2.5690
3	16.642	BB	0.3095	3090.30908	154.37335	97.1132

总量 : 3182.17301 160.75911



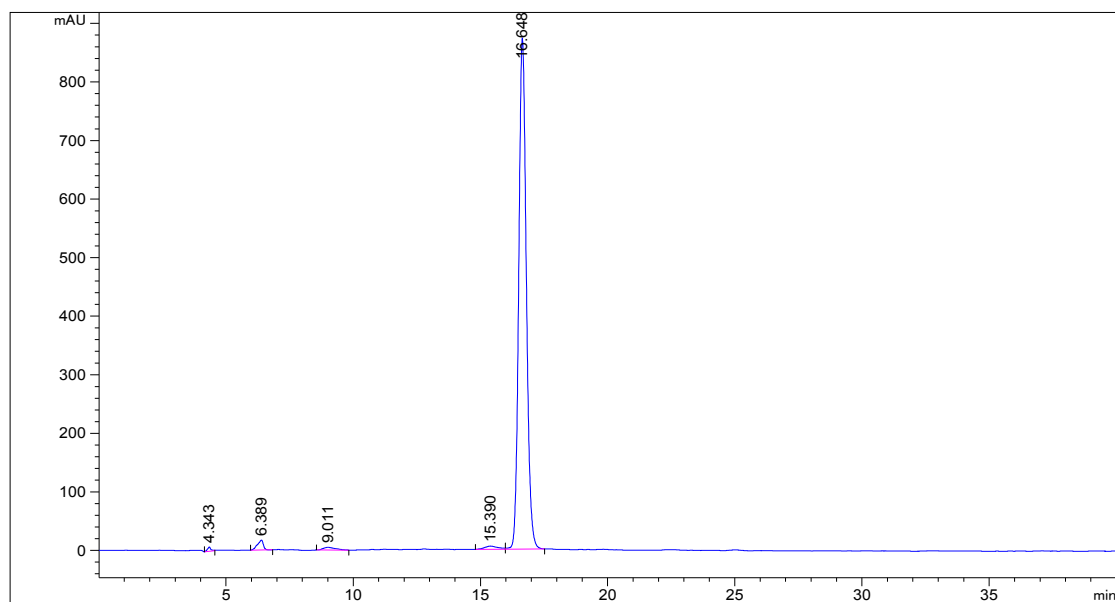
D 峰 #	保留时间 [min]	类型	峰宽 [min]	峰面积 [mAU*s]	峰高 [mAU]	峰面积 %
1	4.356	BB	0.1283	11.49923	1.23823	0.3295
2	6.388	BB	0.2216	82.26740	5.17070	2.3574
3	16.634	BB	0.3139	3396.03931	167.94440	97.3131

总量 : 3489.80593 174.35333



E 峰 #	保留时间 [min]	类型	峰宽 [min]	峰面积 [mAU*s]	峰高 [mAU]	峰面积 %
1	4.345	BB	0.1379	13.36476	1.32300	0.3517
2	6.387	BB	0.2289	84.58970	5.11692	2.2258
3	16.648	BB	0.3172	3702.45483	180.61356	97.4225

总量 : 3800.40930 187.05348



F 峰 #	保留时间 [min]	类型	峰宽 [min]	峰面积 [mAU*s]	峰高 [mAU]	峰面积 %
1	6.389	BB	0.2125	64.68988	4.32548	1.7245
2	16.666	BB	0.3100	3686.52856	183.77298	98.2755

总量 : 3751.21844 188.09846

