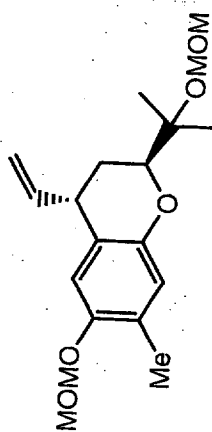
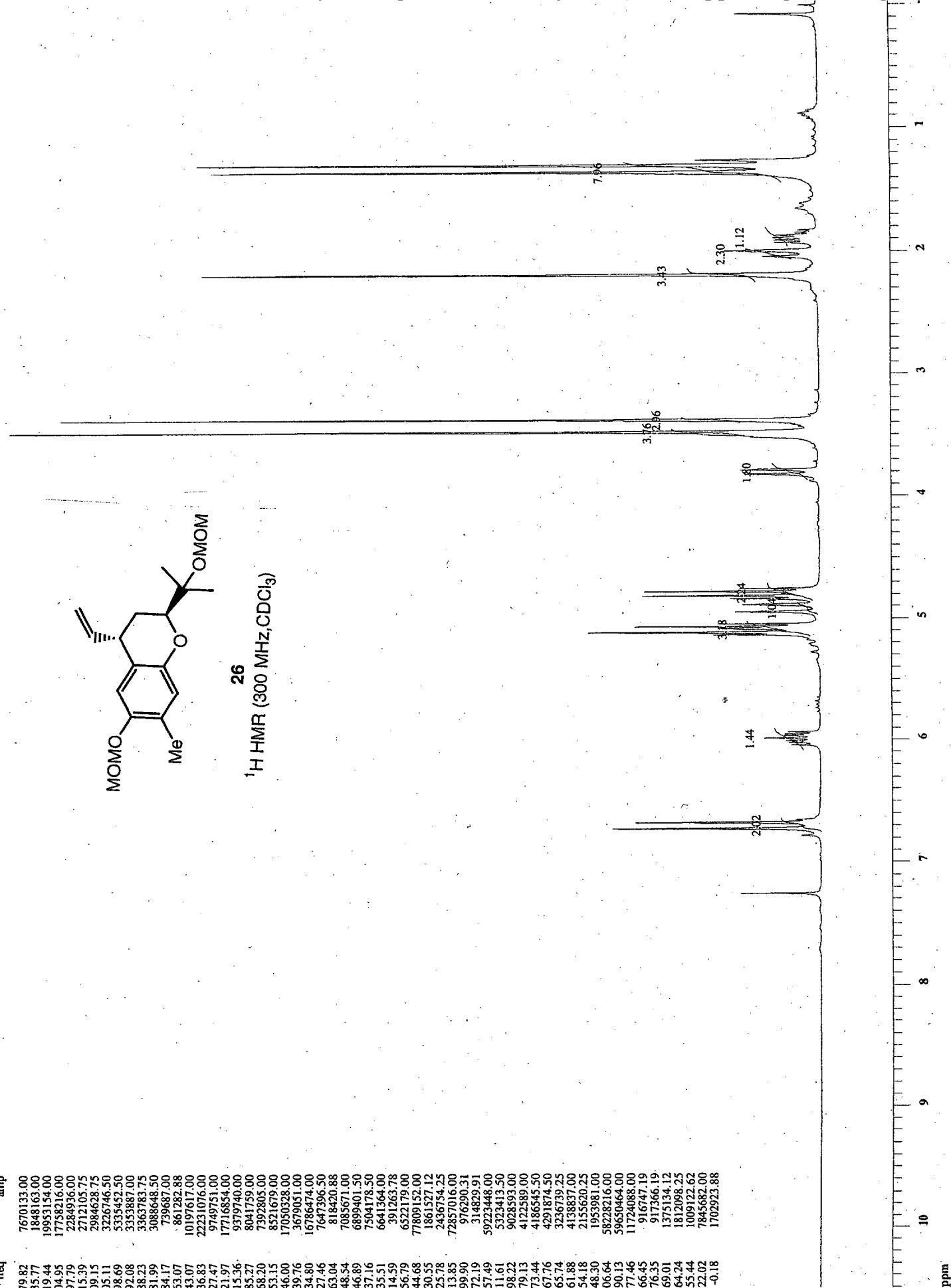


found in ksa-8-085.300.*

ppm	freq	amp
7.253	2179.82	7670133.00
6.774	2035.77	1848163.00
6.720	2019.44	19953154.00
6.671	2004.95	17758216.00
6.648	1997.79	2284936.00
6.041	1815.39	2712105.75
6.020	1809.15	2984628.75
6.006	1805.11	3226746.50
5.985	1798.69	5335452.50
5.963	1792.08	3353887.00
5.950	1788.23	3363783.75
5.929	1781.99	3088648.50
5.921	1784.17	739687.00
5.901	1763.07	861282.88
5.135	1543.07	10197617.00
5.114	1536.83	22231076.00
5.083	1527.47	9749751.00
5.064	1521.97	17716854.00
5.042	1515.36	9379740.00
4.942	1485.27	8041759.00
4.885	1468.20	7392805.00
4.835	1453.15	8521679.00
4.811	1446.00	17050328.00
4.791	1439.76	3679051.00
4.774	1434.80	16786474.00
4.750	1427.46	7647396.50
4.700	1387.04	818420.88
3.822	1148.54	7085671.00
3.816	1146.89	6899401.50
3.784	1137.16	7504178.50
3.778	1135.51	6641364.00
3.709	1114.59	391263.78
3.516	1056.79	6522179.00
3.476	1044.68	77809152.00
3.429	1030.55	1861527.12
3.413	1025.78	2436754.25
3.374	1013.85	72857016.00
3.327	999.90	916290.31
3.235	972.19	314829.91
2.188	657.49	59223448.00
2.035	611.61	5323413.50
1.991	598.22	9028593.00
1.927	579.13	4122589.00
1.908	573.44	4186545.50
1.880	567.76	4291874.50
1.882	565.74	3236739.25
1.870	561.88	4138837.00
1.844	554.18	2155620.25
1.824	548.30	1953981.00
1.353	406.64	58228216.00
1.298	390.13	59650464.00
1.256	377.46	11724088.00
1.219	366.45	916747.19
0.920	276.35	917366.19
0.895	269.01	1375134.12
0.879	264.24	1812098.25
0.850	255.44	1009122.62
0.073	22.02	7845682.00
-0.001	-0.18	1702923.88

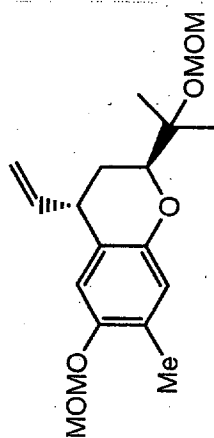


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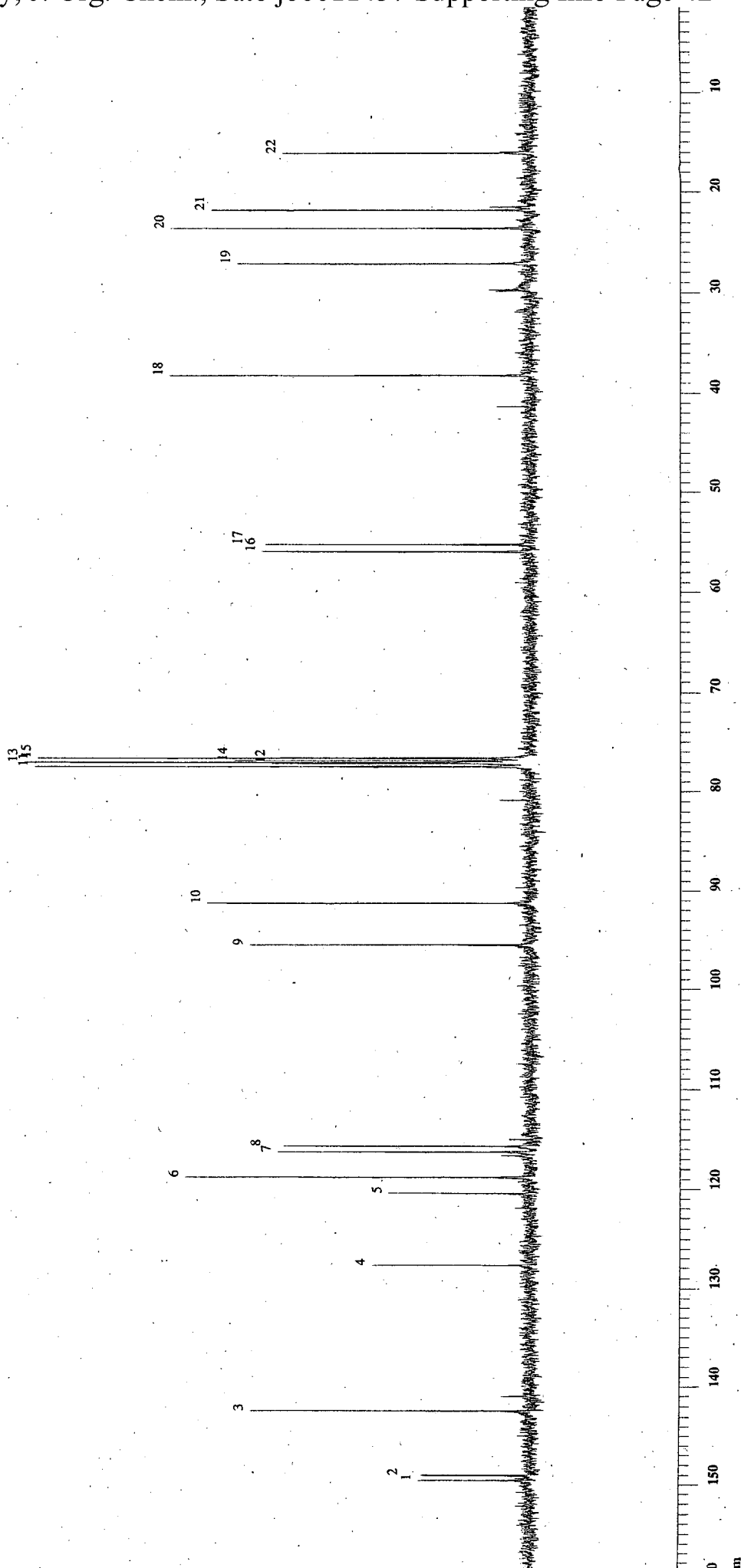
¹H NMR (300 MHz, CDCl₃)

peaks found in ksa-8-085.comp.300*

ppm	freq	amp
149.493	11296.93	936157.50
148.982	11258.31	911627.19
142.339	10756.33	2358788.00
127.628	9644.63	1327878.50
120.376	9096.37	1190472.38
118.694	8969.51	2925226.75
116.214	8782.05	2132187.75
115.628	8737.83	2080537.50
95.420	7210.72	2369978.00
91.241	6894.96	2734427.50
77.420	5850.52	4207756.00
77.099	5826.23	2181818.75
77.000	5818.75	4297207.00
76.835	5806.30	2504613.75
76.571	5786.37	4182801.75
55.918	4225.63	2265299.75
55.209	4172.06	2237871.00
38.223	2888.47	3060984.25
27.114	2048.93	2479906.25
23.529	1778.01	3048348.50
21.724	1641.62	2699646.75
16.045	1212.51	2092098.50

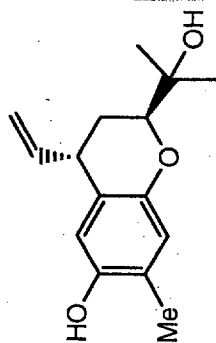


26
 ^{13}C HMR (75 MHz, CDCl_3)

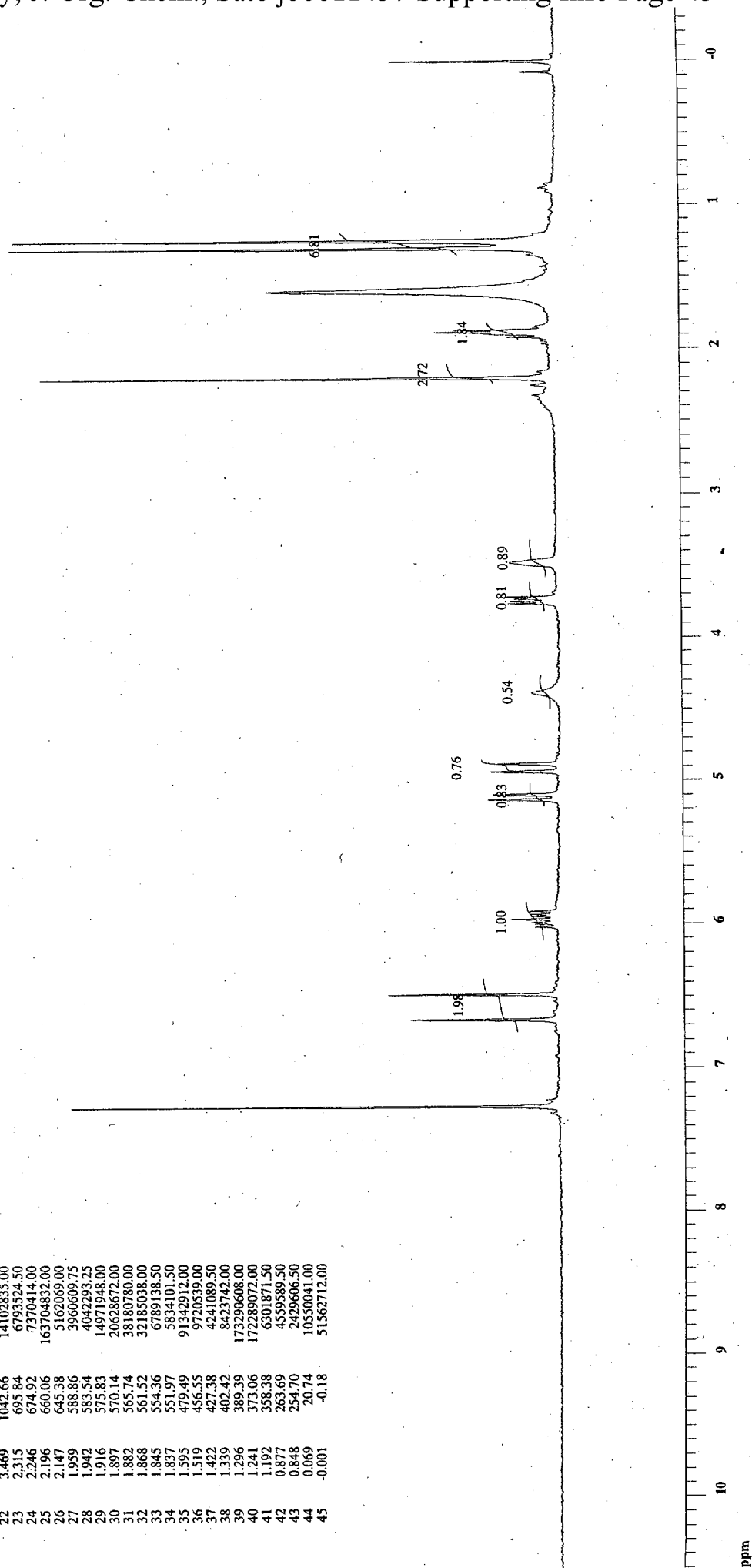


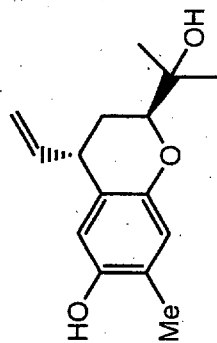
45 peaks found in Helianuol E*

peak	ppm	freq	amp
1	7.305	2195.24	3122200.50
2	7.261	2182.02	155507840.00
3	7.213	2167.71	4587538.50
4	6.660	2001.64	47497292.00
5	6.483	1948.24	54417084.00
6	6.019	1808.96	7396791.00
7	5.998	1802.73	7535839.50
8	5.986	1798.87	8543237.00
9	5.964	1792.45	15342929.00
10	5.942	1785.84	9096344.00
11	5.929	1781.81	9035129.00
12	5.908	1775.57	8999469.00
13	5.127	1540.87	22348418.00
14	5.093	1530.59	20661522.00
15	4.934	1482.88	21482334.00
16	4.877	1465.82	19090572.00
17	4.369	1312.96	5341947.50
18	3.761	1130.19	13296571.00
19	3.747	1125.97	14520164.00
20	3.729	1120.65	13594597.00
21	3.715	1116.61	16452771.00
22	3.469	1042.66	14102835.00
23	2.315	695.84	6793524.50
24	2.246	674.92	7370414.00
25	2.196	660.06	163704832.00
26	2.147	645.38	5162069.00
27	1.959	588.86	3960609.75
28	1.942	583.54	4042293.25
29	1.916	575.83	14971948.00
30	1.897	570.14	20628672.00
31	1.882	565.74	38180780.00
32	1.868	561.52	32185038.00
33	1.845	554.36	6789138.50
34	1.837	551.97	5834101.50
35	1.595	479.49	91342912.00
36	1.519	456.55	9720539.00
37	1.422	427.38	4241089.50
38	1.339	402.42	8423742.00
39	1.296	389.39	173290608.00
40	1.241	373.06	172289072.00
41	1.192	358.38	6301871.50
42	0.877	263.69	4559589.50
43	0.848	254.70	2429606.50
44	0.069	20.74	10550041.00
45	-0.001	-0.18	51562712.00



(-)-Helianuol E 1
¹H NMR (300 MHz, CDCl₃)





(-)-Helianthol E 1
 ^{13}C HMR (75 MHz, CDCl_3)

peaks found in KSA-8-087.COMP.300.*	ppm	freq	amp
148.298	11206.62	153174.64	
147.375	11136.87	198009.84	
142.150	10742.01	528231.38	
124.035	9373.09	174406.41	
120.664	9118.36	188580.06	
118.554	8938.93	483133.62	
115.851	8754.65	508898.38	
115.810	8751.53	507838.25	
77.536	5859.24	572011.69	
77.429	5851.14	2213253.50	
77.206	5834.32	195193.73	
77.000	5818.75	2312172.00	
76.712	5796.96	72486.55	
76.580	5786.99	2294652.50	
76.448	5777.03	58442.87	
76.398	5773.29	47363.79	
71.865	5430.75	260021.95	
37.927	2866.05	476407.16	
27.534	2080.69	433265.53	
25.919	1958.62	525928.81	
24.295	1835.93	530953.00	
24.237	1831.57	61445.20	
13.658	1183.23	359433.66	

