

Supporting Information
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**Antidiabetic and antioxidant activities of synthetic
2-styrylchromones**

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Table S1: Anti-diabetic Activity

Compound	0 Min	30 Min	60 Min	90 Min	120 Min
Control	325	320	325	325	320
Glibenclamide	195.4	150.4	143	142	142
1	195	174	172	172	172
2	192	178	176	174	174
3	189	171.1	169	168	168
4	192	177	176	174	174
5	184	160	154	154	154
6	192	165	158	158	158
7	194.5	168	168	165	165
8	186	173	170	169	169
9	195	167	169	169	169
10	193	178	173	173	173
11	184	176	171	170	170
12	185	180	178	176	176

Table S2: Percentage of Inhibition

Comp.	Cont	Glib	1	2	3	4	5	6	7	8	9	10	11	12
1 hr	325	143	172	176	169	176	154	158	168	170	169	173	171	178
		0.56	0.47	0.46	0.48	0.45	0.52	0.51	0.48	0.47	0.48	0.46	0.47	0.45
% of Inh.		56	47	46	48	46	53	51	48	48	48	47	47	45

Table S3: Antioxidant Activity

Compound	<i>NBT Superoxide Scavenging activity (IC₅₀) in μM</i>
1	239
2	275
3	247
4	283
5	229
6	267
7	173
8	262
9	232
10	272
11	268
12	275
Vitamin C	966
Vitamin E acid	381
BHA	852
BHT	726

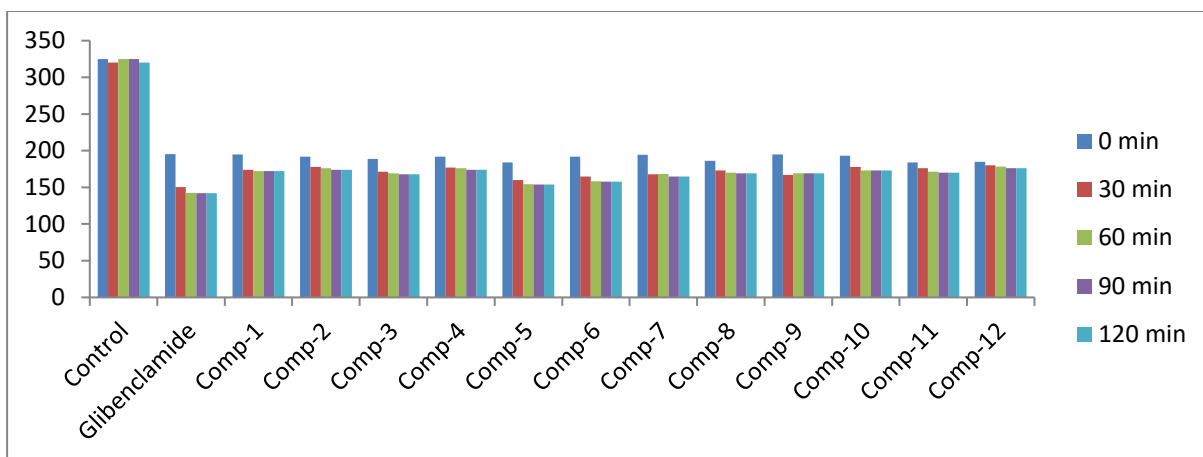


Figure S1: Anti-diabetic Activity

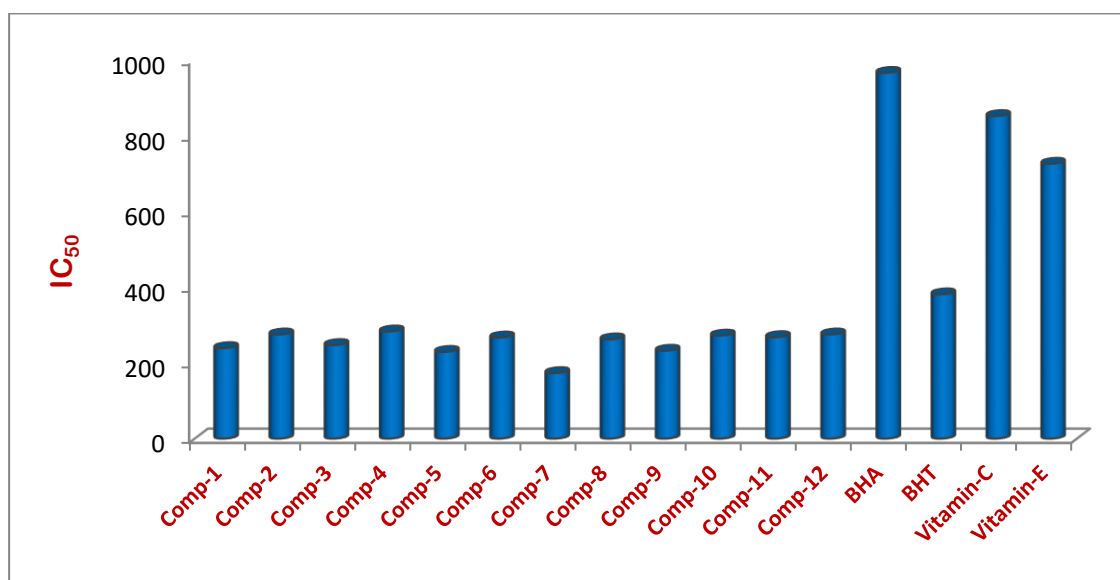


Figure S2: Anti-oxidant Activity

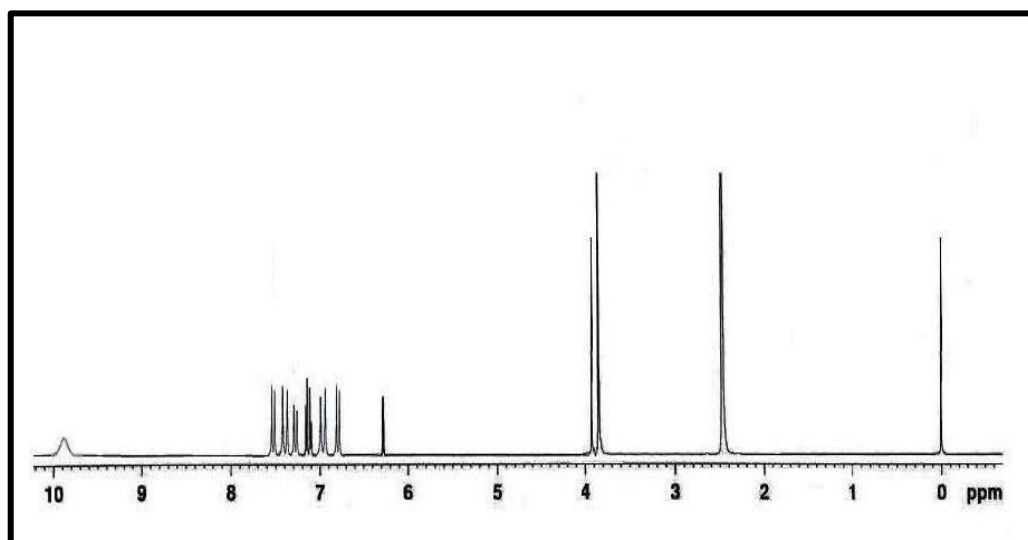


Figure S3: ^1H -NMR (400 MHz, DMSO) Spectrum of **1**

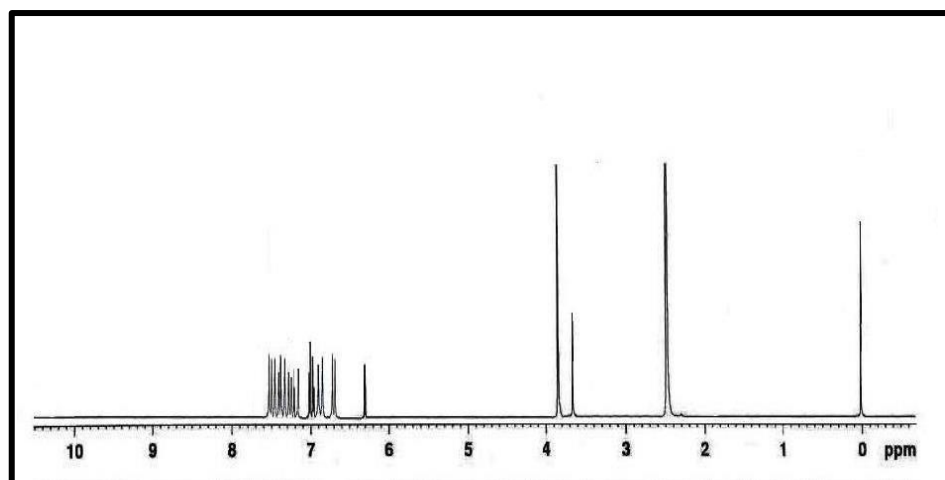


Figure S4: ^1H -NMR (400 MHz, DMSO) Spectrum of **2**

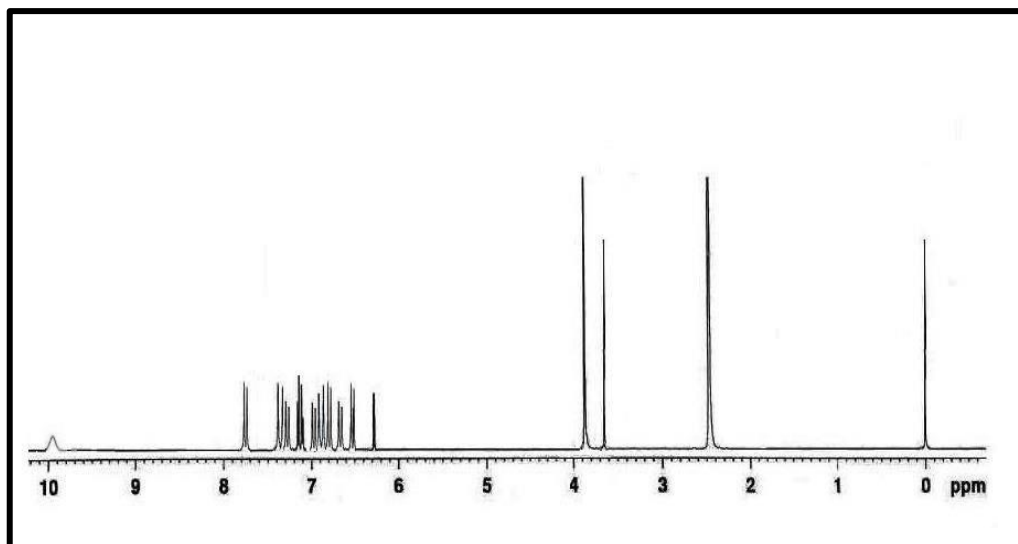


Figure S5: ^1H -NMR (400 MHz, DMSO) Spectrum of **3**

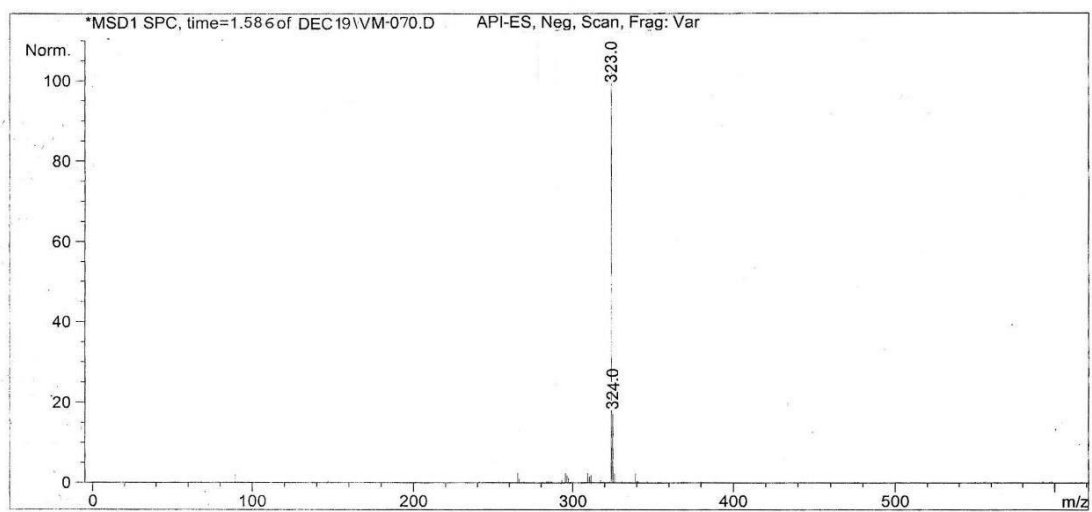


Figure S6: LC Mass Spectrum of **3**

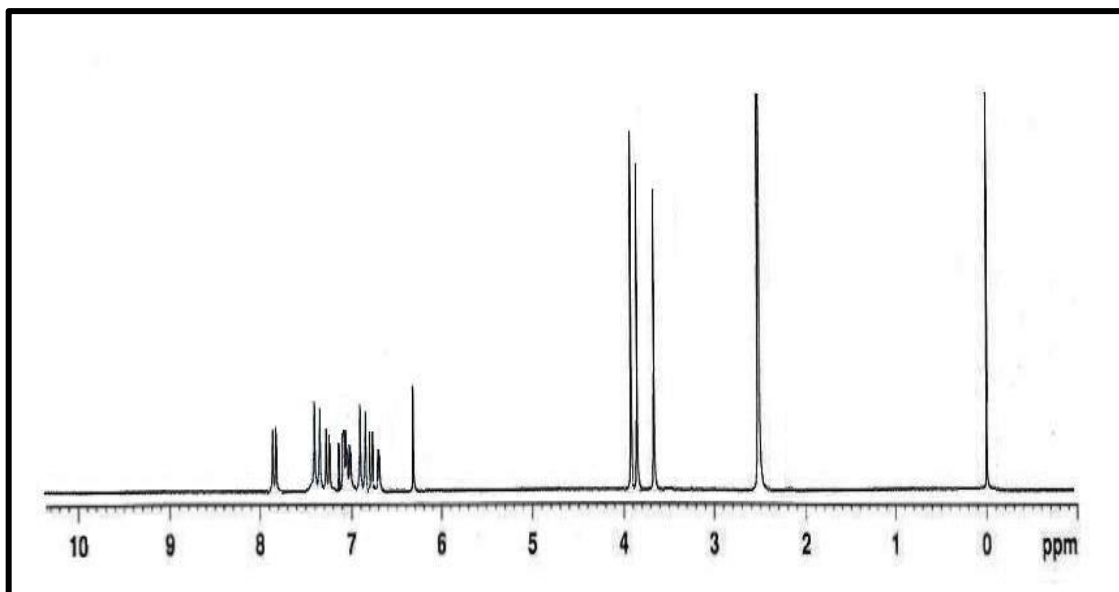


Figure S7: ^1H -NMR (400 MHz, DMSO) Spectrum of **4**

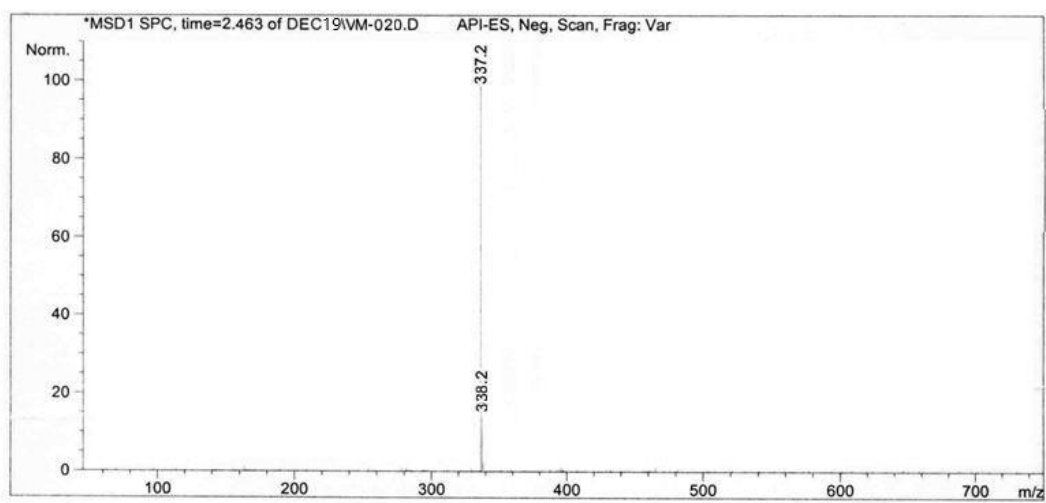


Figure S8: LC Mass Spectrum of **4**

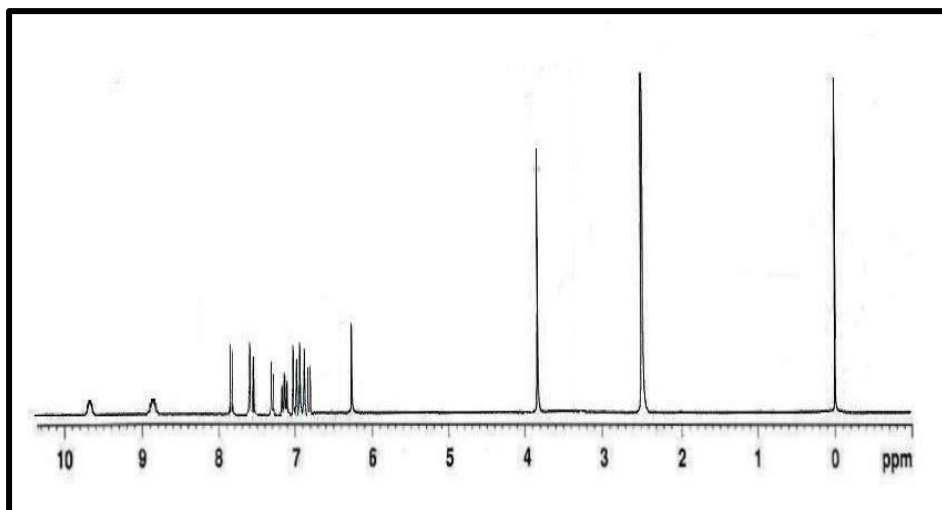


Figure S9: ^1H -NMR (400 MHz, DMSO) Spectrum of **5**

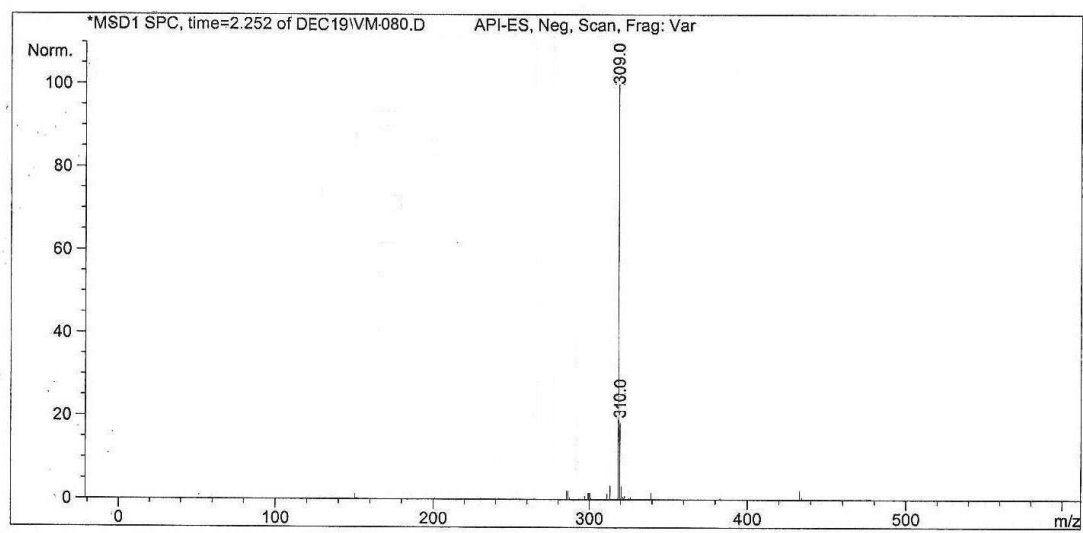


Figure S10: LC Mass Spectrum of **5**

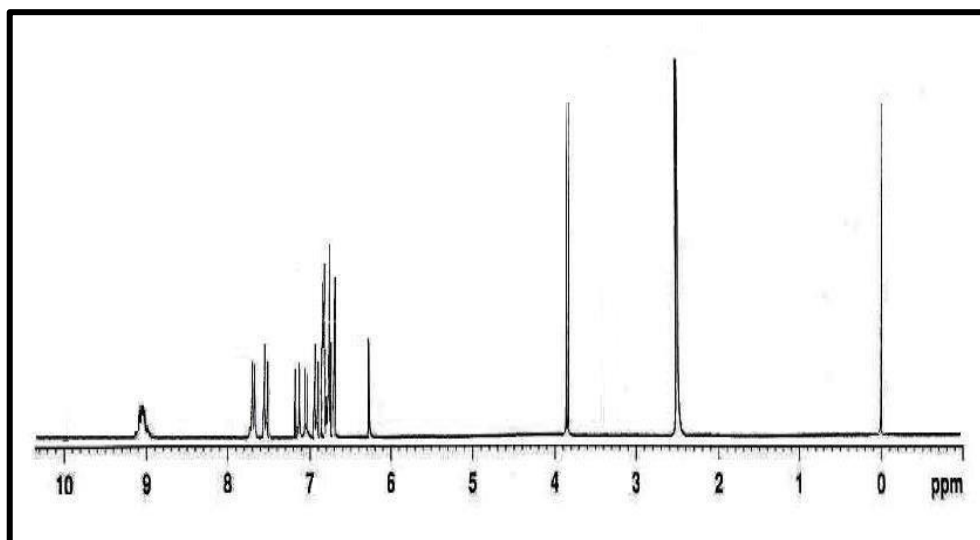


Figure S11: ¹H-NMR (400 MHz, DMSO) Spectrum of **6**

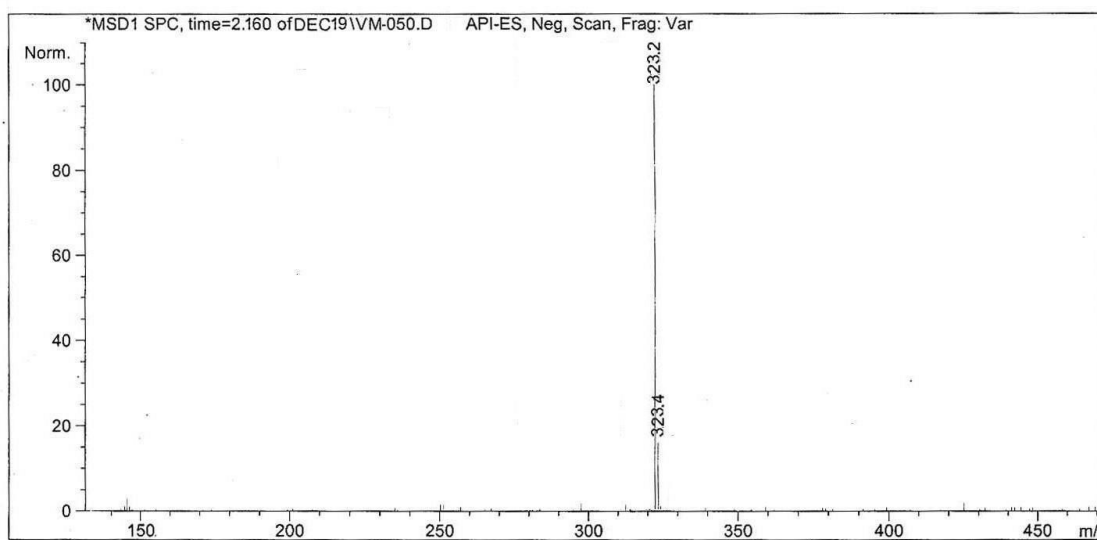


Figure S12: LC Mass Spectrum of **6**

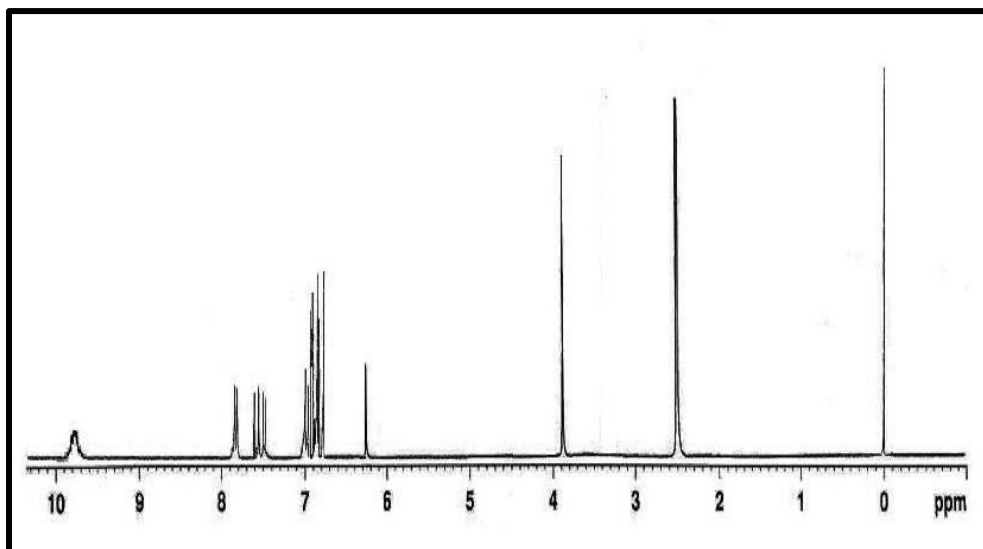


Figure S13: ^1H -NMR (400 MHz, DMSO) Spectrum of **9**

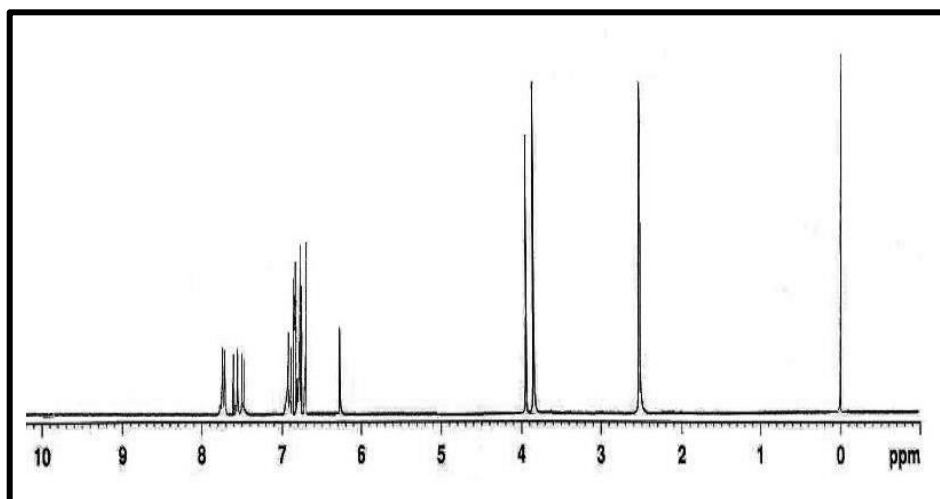


Figure S14: ^1H -NMR (400 MHz, DMSO) Spectrum of **10**

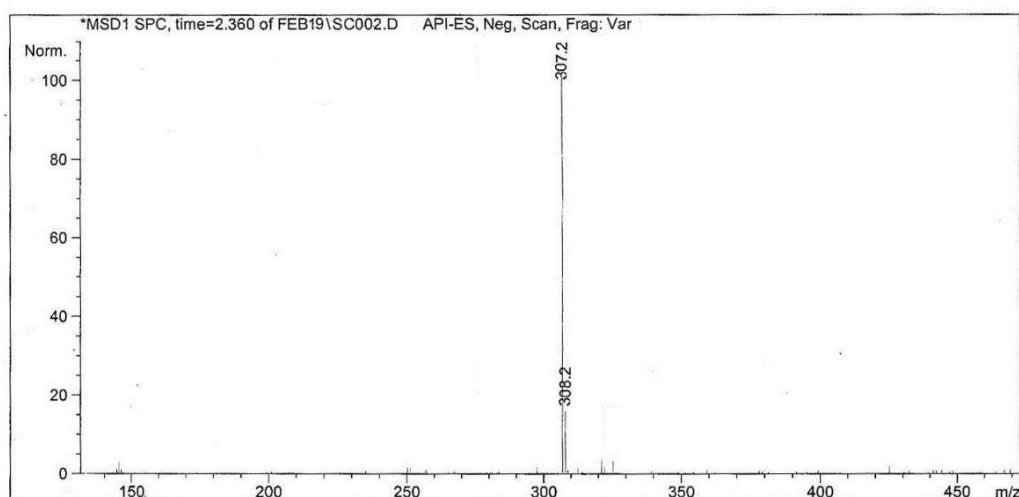


Figure S15: LC Mass Spectrum of **10**

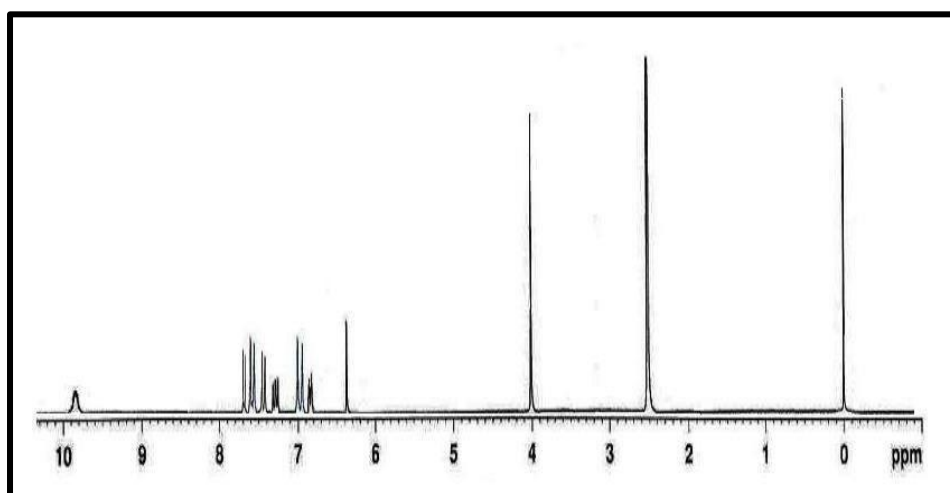


Figure S16: ¹H-NMR (400 MHz, DMSO) Spectrum of **11**

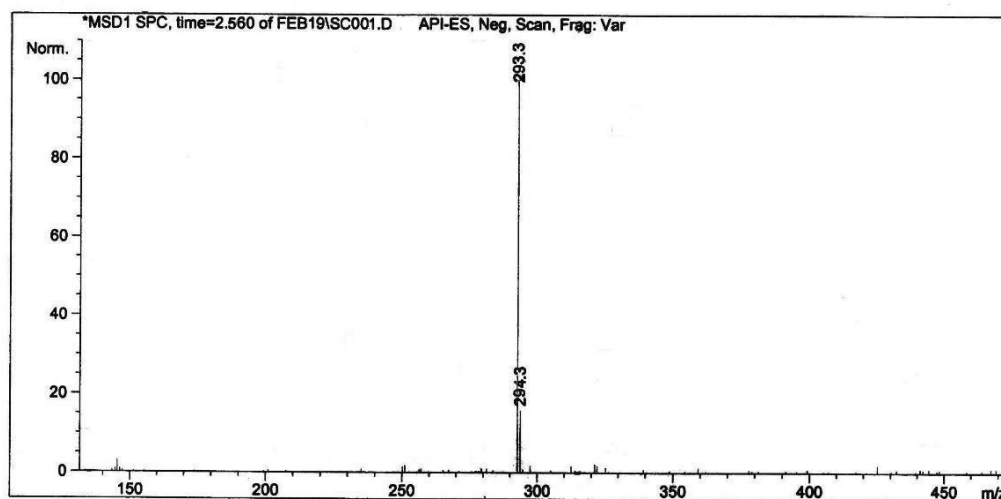


Figure S17: LC Mass Spectrum of **11**

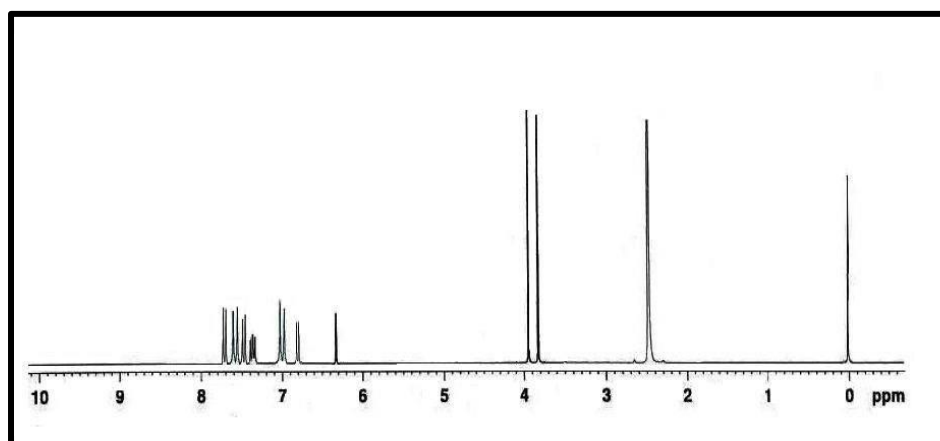


Figure S18: ¹H-NMR (400 MHz, DMSO) Spectrum of **12**