

## Supporting Information

*Org. Commun.* 14:2 (2021) 121-132

### A simple, efficient Synthesis and molecular docking studies of 2-Styrylchromones

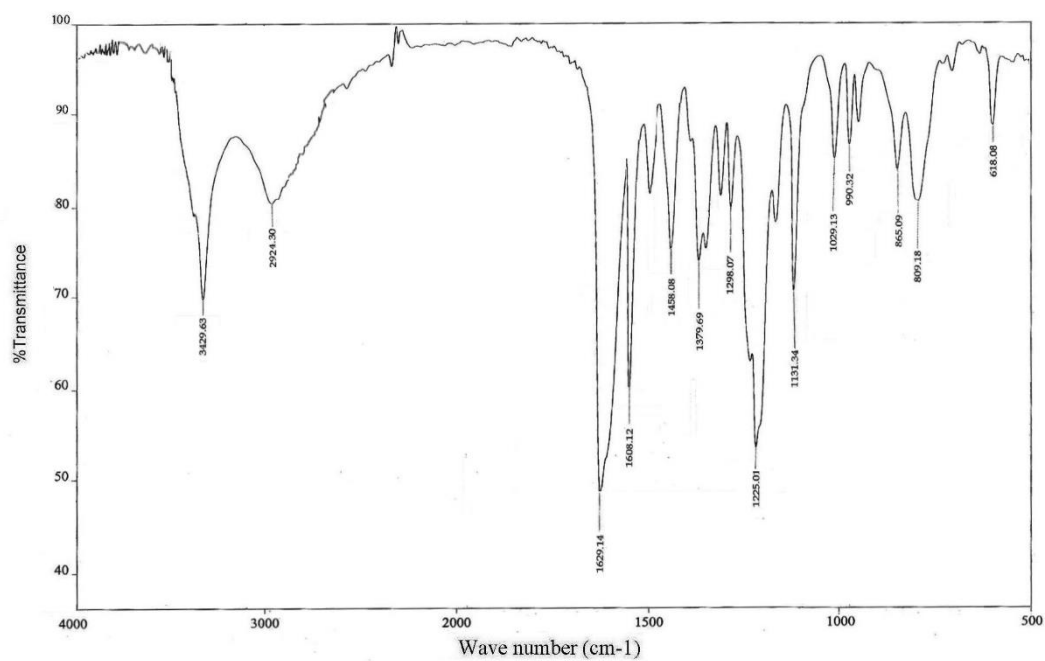
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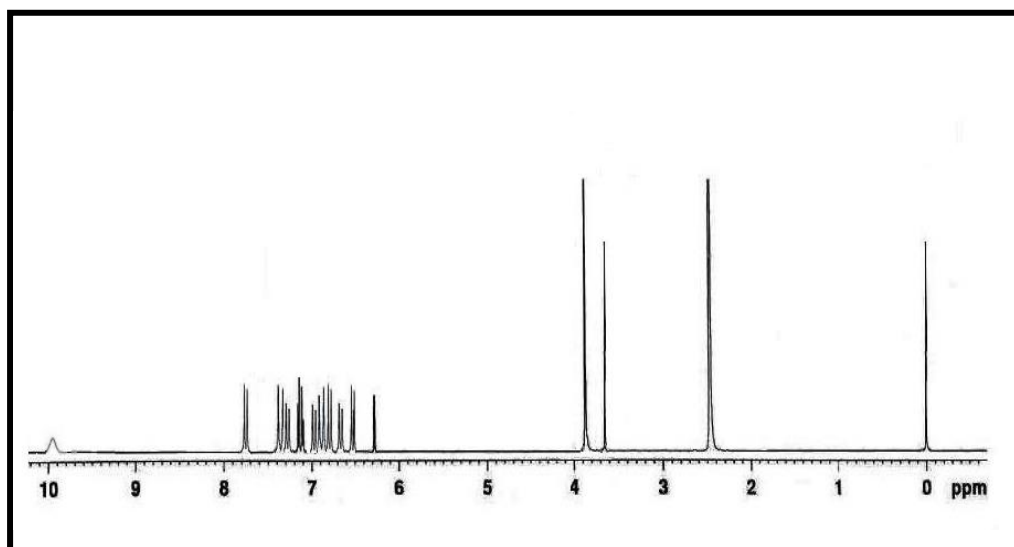
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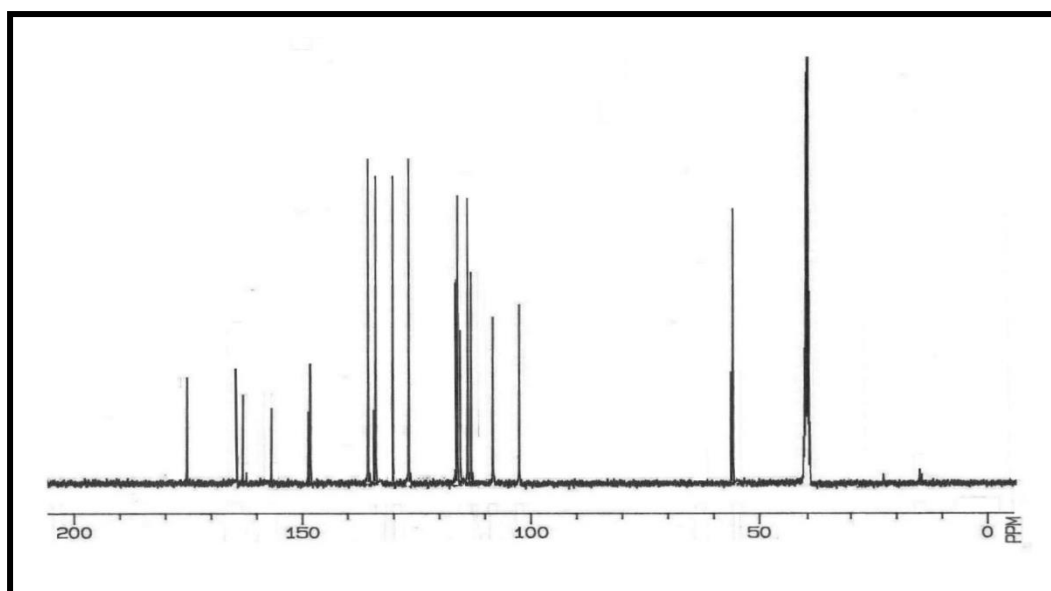
Table of Contents	Page
Figure S1: IR Spectrum of compound-22	2
Figure S2: <sup>1</sup> H-NMR (400 MHz, DMSO) Spectrum of compound-22	2
Figure S3: <sup>13</sup> C-NMR (100 MHz, DMSO) Spectrum of compound-22	3
Figure S4: LC Mass Spectrum of compound-22	3
Figure S5: IR Spectrum of compound-23	4
Figure S6: <sup>1</sup> H-NMR (400 MHz, DMSO) Spectrum of compound-23	4
Figure S7: <sup>13</sup> C-NMR (100 MHz, DMSO) Spectrum of compound-23	5
Figure S8: LC Mass Spectrum of compound-23	5
Figure S9: IR Spectrum of compound-24	6
Figure S10: <sup>1</sup> H-NMR (400 MHz, DMSO) Spectrum of compound-24	6
Figure S11: <sup>13</sup> C-NMR (100 MHz, DMSO) Spectrum of compound-24	7
Figure S12: LC Mass Spectrum of compound-24	7
Figure S13: IR Spectrum of compound-25	8
Figure S14: <sup>1</sup> H-NMR (400 MHz, DMSO) Spectrum of compound-25	8
Figure S15: <sup>13</sup> C-NMR (100 MHz, DMSO) Spectrum of compound-25	9
Figure S16: LC Mass Spectrum of compound-25	9
Figure S17: IR Spectrum of compound-29	10
Figure S18: <sup>1</sup> H-NMR (400 MHz, DMSO) Spectrum of compound-29	10
Figure S19: <sup>13</sup> C-NMR (100 MHz, DMSO) Spectrum of compound-29	11
Figure S20: LC Mass Spectrum of compound-29	11
Figure S21: IR Spectrum of compound-30	12
Figure S22: <sup>1</sup> H-NMR (400 MHz, DMSO) Spectrum of compound-30	12
Figure S23: <sup>13</sup> C-NMR (100 MHz, DMSO) Spectrum of compound-30	13
Figure S24: LC Mass Spectrum of compound-30	13
Figure S25: IR Spectrum of compound-31	14
Figure S26: <sup>1</sup> H-NMR (400 MHz, DMSO) Spectrum of compound-31	14
Figure S27: <sup>13</sup> C-NMR (100 MHz, DMSO) Spectrum of compound-31	15
Figure S28: <sup>1</sup> H-NMR (400 MHz, DMSO) Spectrum of compound-20	15
Figure S29: <sup>1</sup> H-NMR (400 MHz, DMSO) Spectrum of compound-21	16
Figure S30: <sup>1</sup> H-NMR (400 MHz, DMSO) Spectrum of compound-28	16



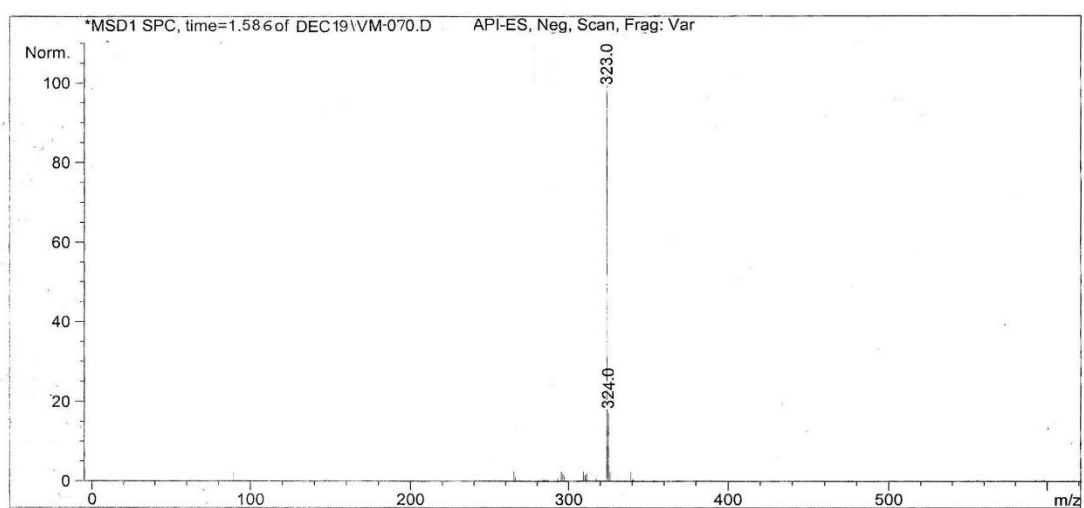
**Figure S1:** IR Spectrum of **22**



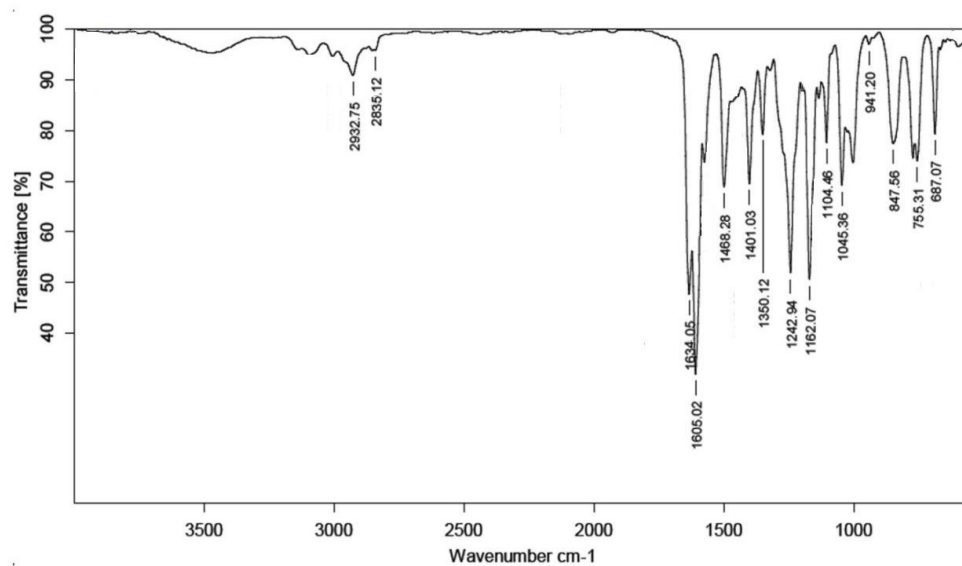
**Figure S2:** <sup>1</sup>H-NMR (400 MHz, DMSO) Spectrum of **22**



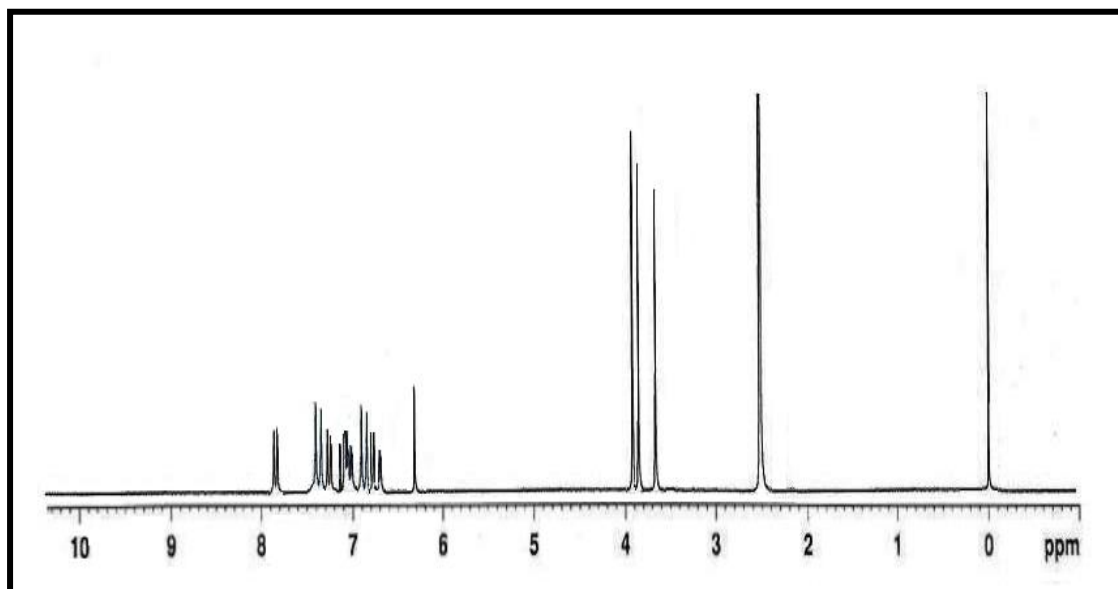
**Figure S3:**  $^{13}\text{C}$ -NMR (100 MHz, DMSO) Spectrum of **22**



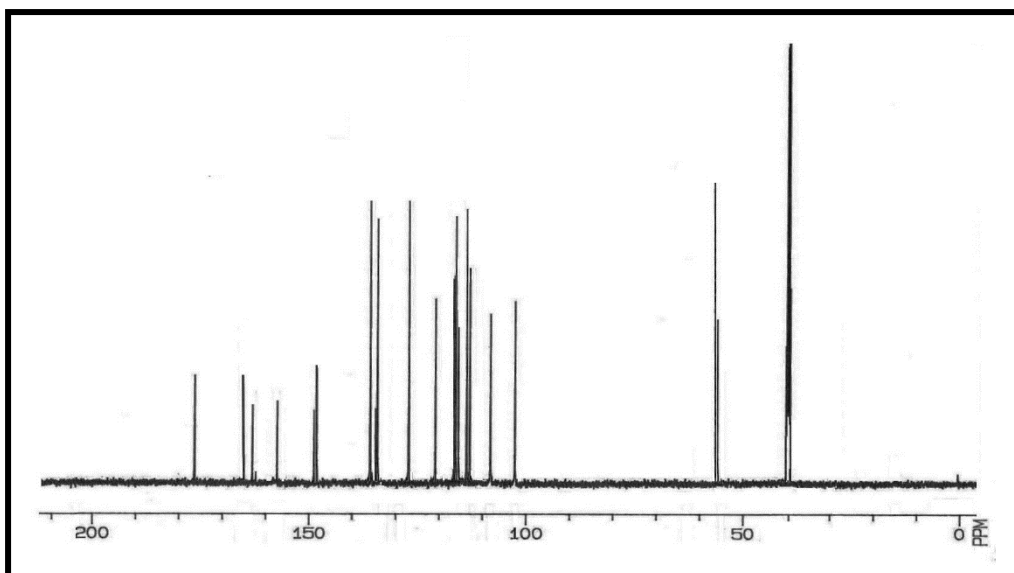
**Figure S4:** LC Mass Spectrum of **22**



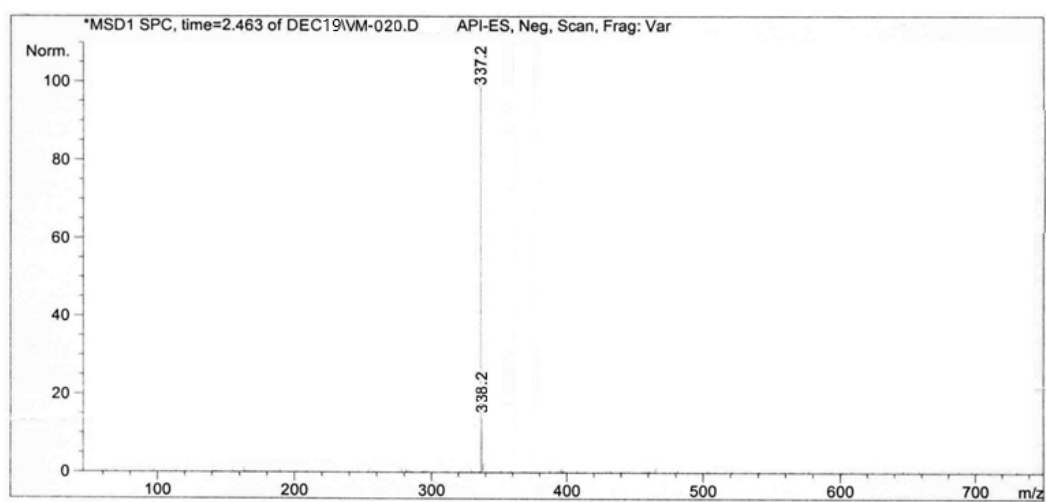
**Figure S5:** IR Spectrum of **23**



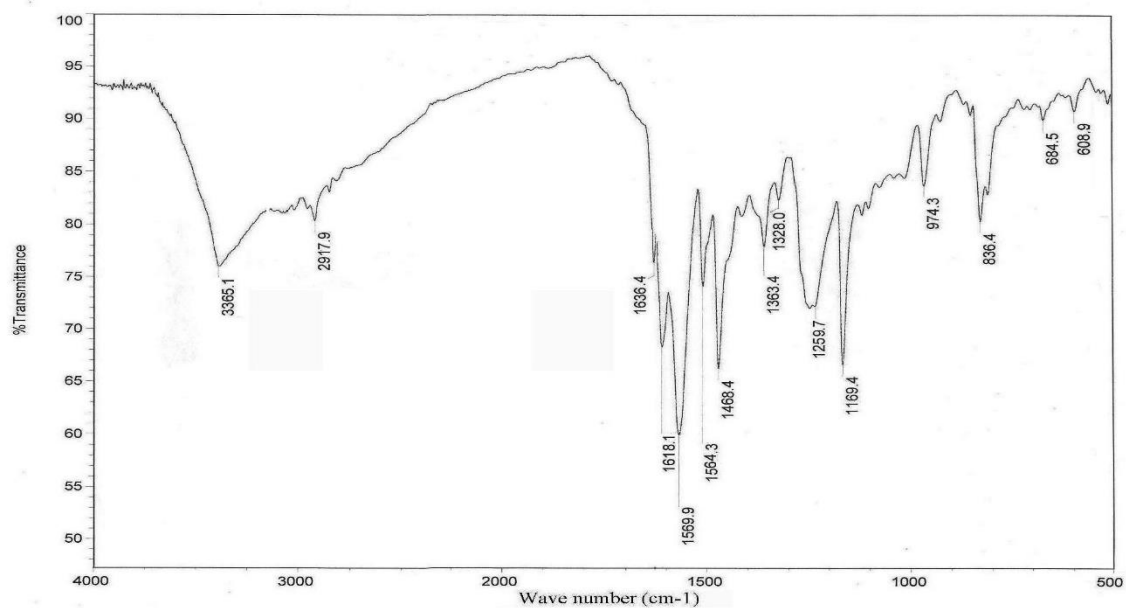
**Figure S6:** <sup>1</sup>H-NMR (400 MHz, DMSO) Spectrum of **23**



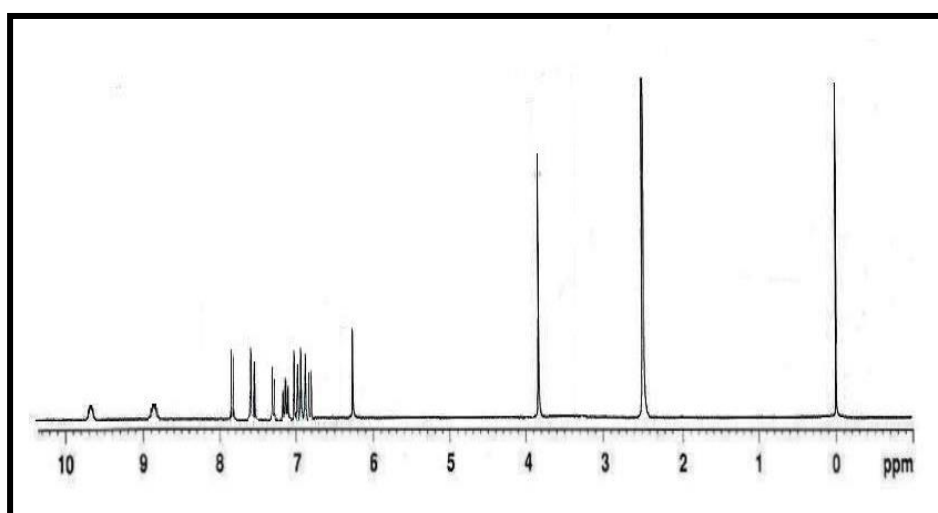
**Figure S7:**  $^{13}\text{C}$ -NMR (100 MHz, DMSO) Spectrum of **23**



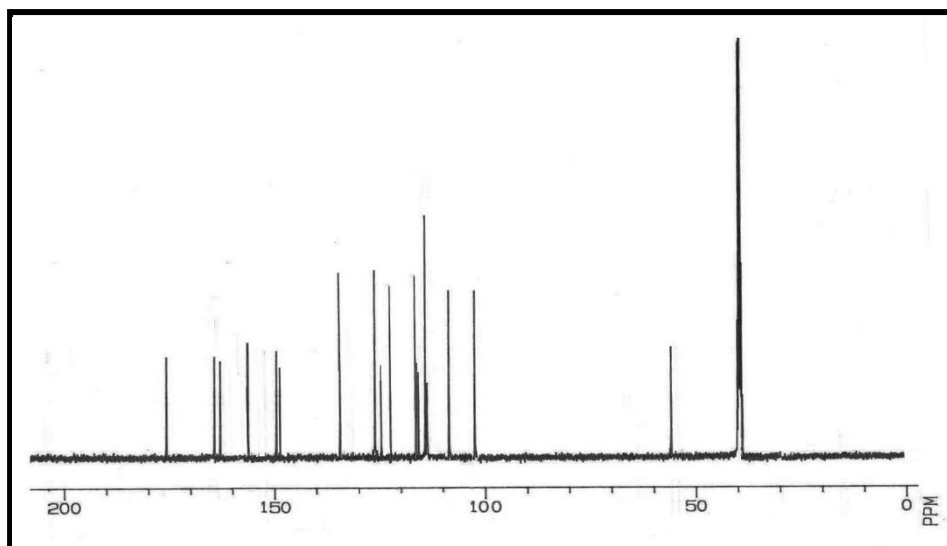
**Figure S8:** LC Mass Spectrum of **23**



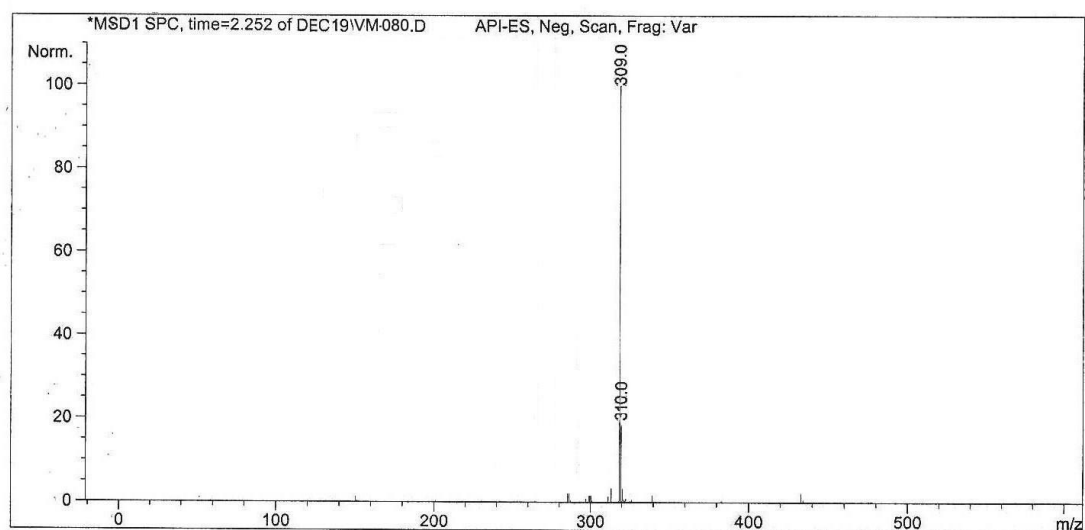
**Figure S9:** IR Spectrum of **24**



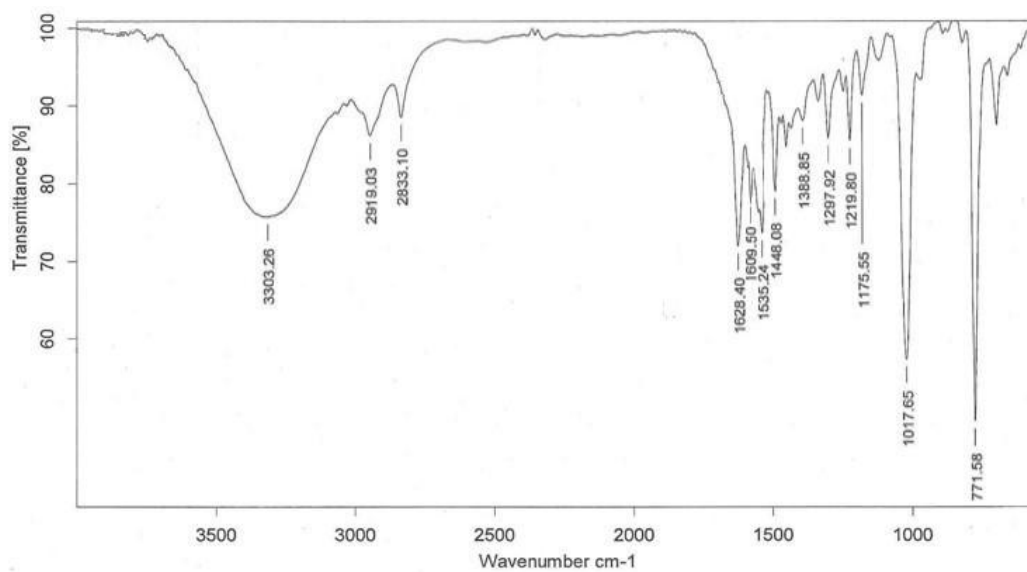
**Figure S10:** <sup>1</sup>H-NMR (400 MHz, DMSO) Spectrum of **24**



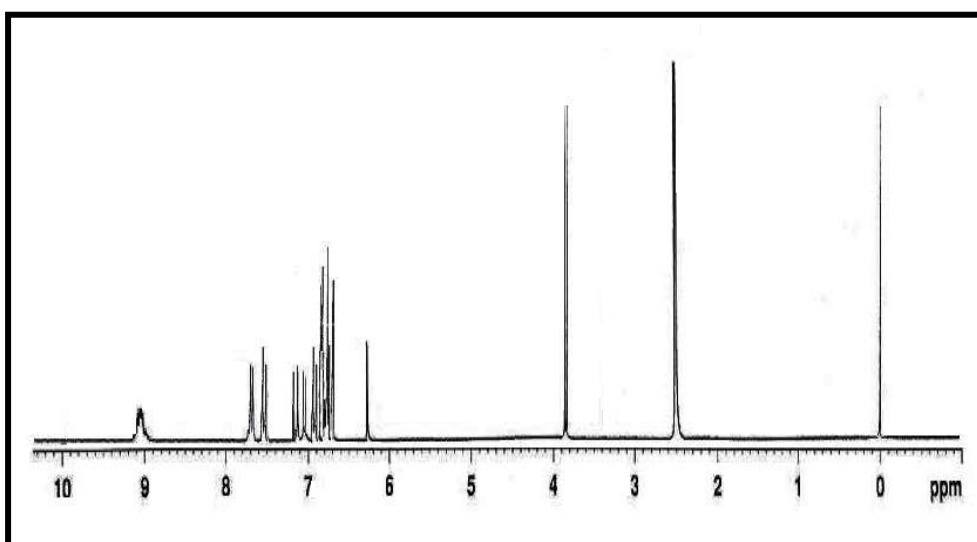
**Figure S11:**  $^{13}\text{C}$ -NMR (100 MHz, DMSO) Spectrum of **24**



**Figure S12:** LC Mass Spectrum of **24**

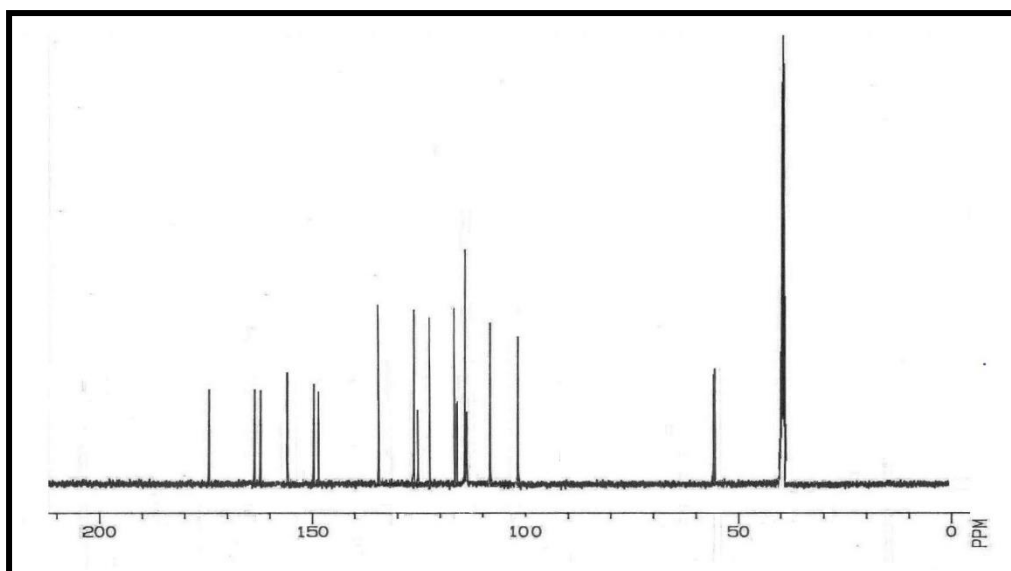


**Figure S13:** IR Spectrum of **25**

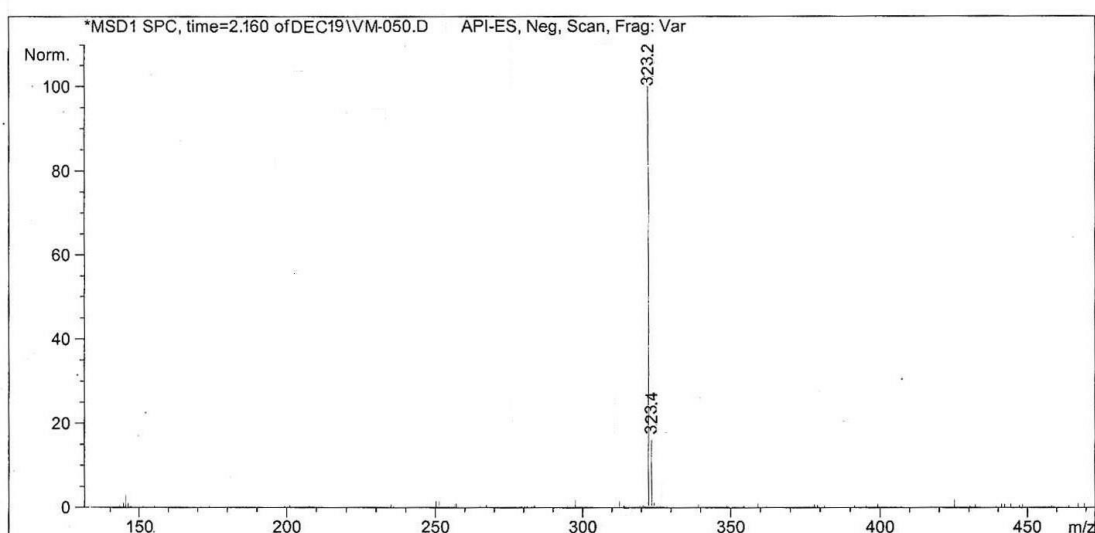


**Figure S14:** <sup>1</sup>H-NMR (400 MHz, DMSO) Spectrum of **25**

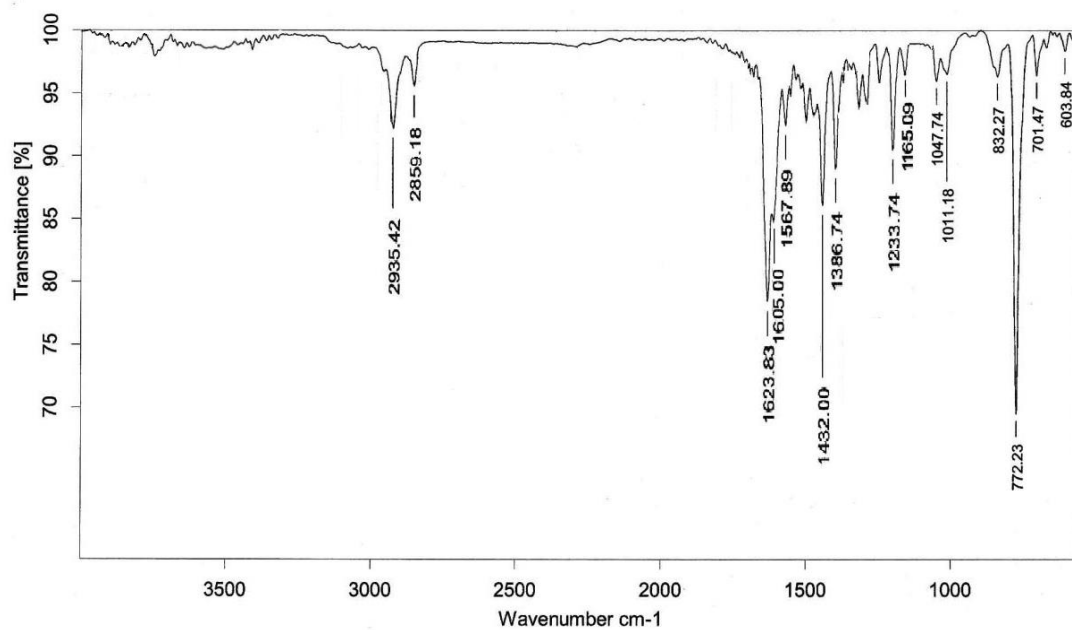




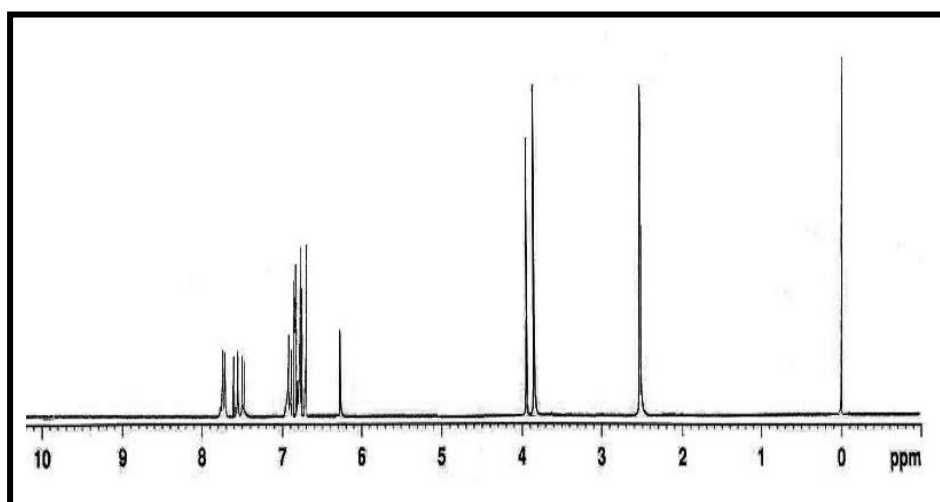
**Figure S15:**  $^{13}\text{C}$ -NMR (100 MHz, DMSO) Spectrum of **25**



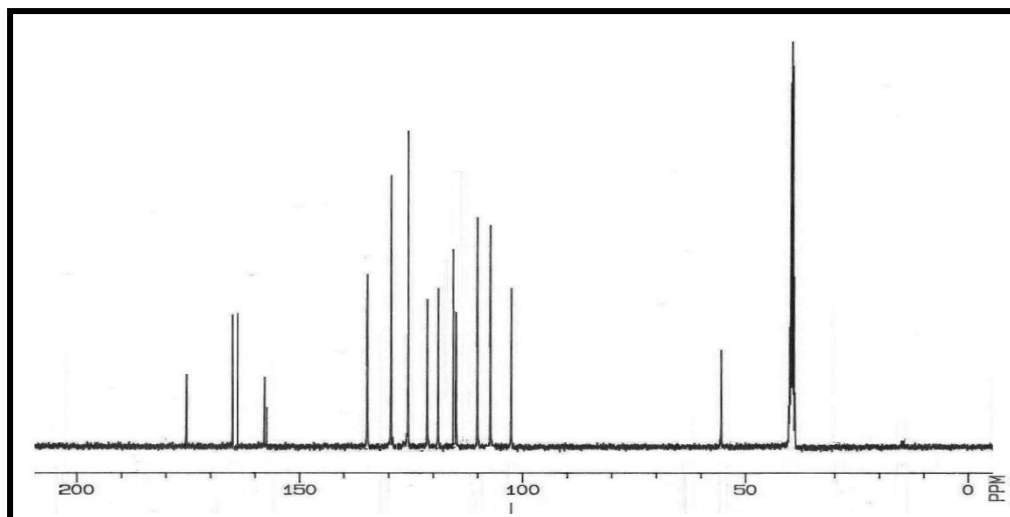
**Figure S16:** LC Mass Spectrum of **25**



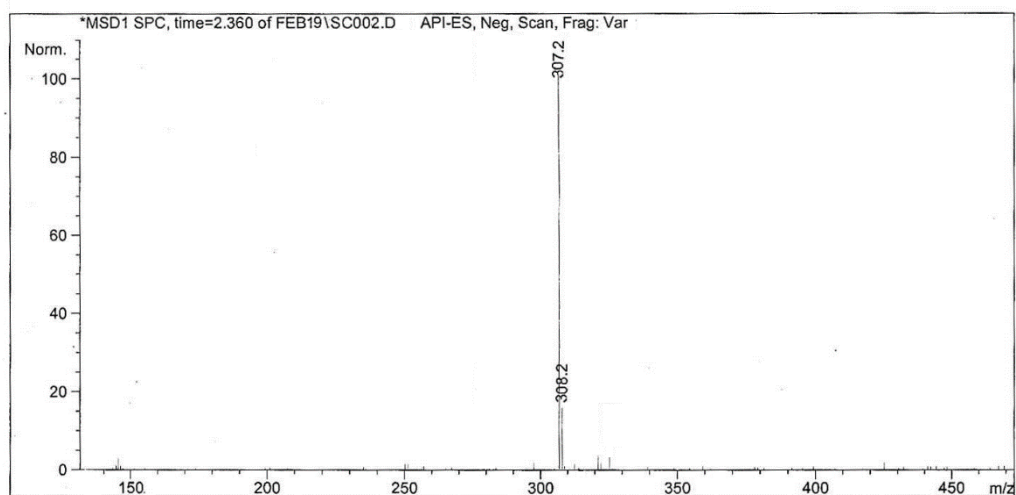
**Figure S17:** IR Spectrum of **29**



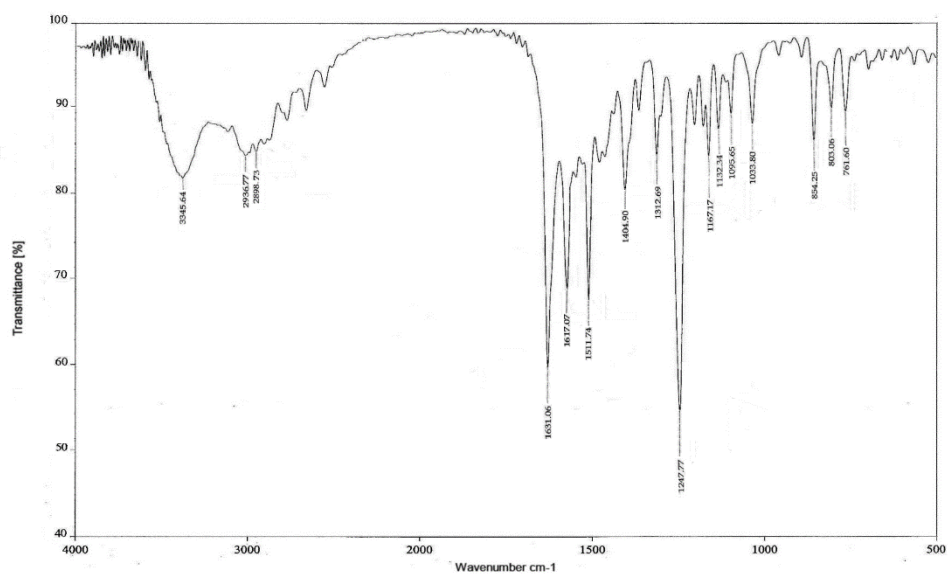
**Figure S18:** <sup>1</sup>H-NMR (400 MHz, DMSO) Spectrum of **29**



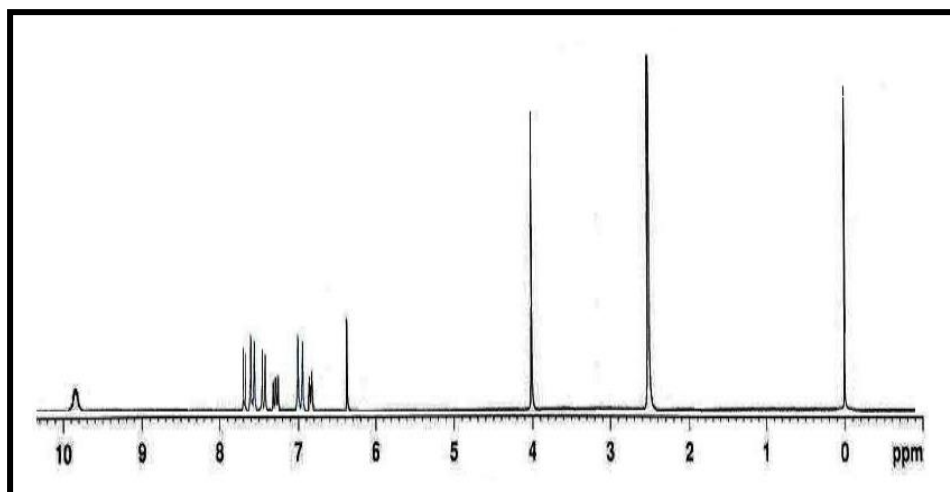
**Figure S19:**  $^{13}\text{C}$ -NMR (100 MHz, DMSO) Spectrum of **29**



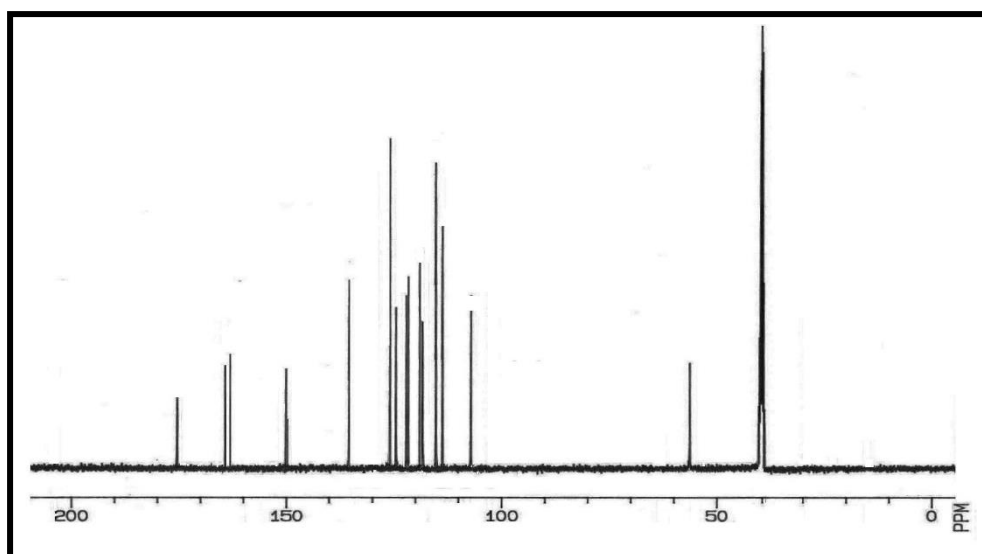
**Figure S20:** LC Mass Spectrum of **29**



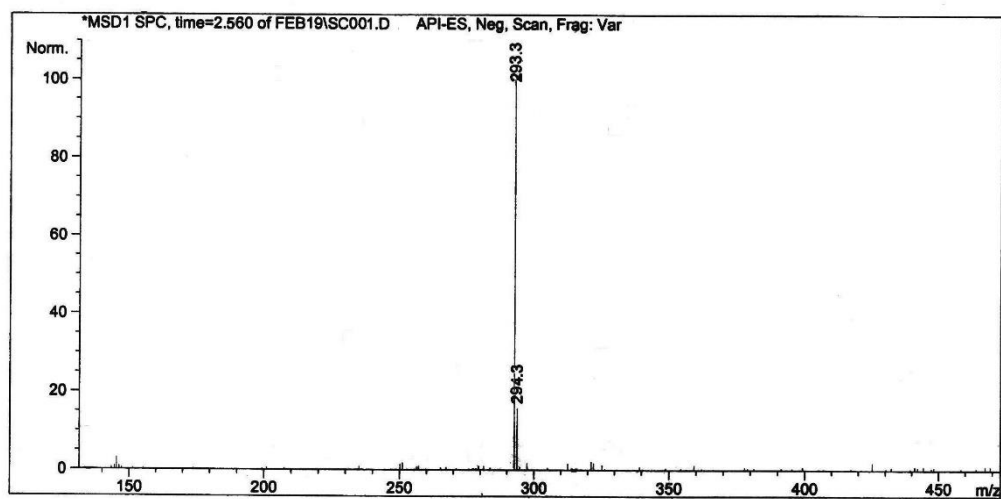
**Figure S21:** IR Spectrum of **30**



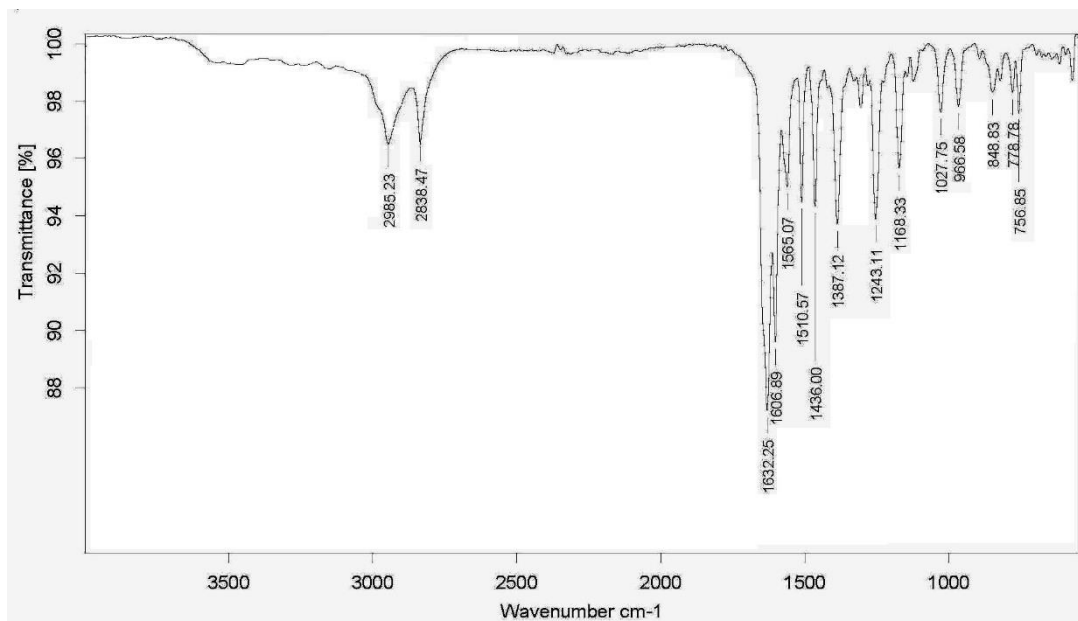
**Figure S22:** <sup>1</sup>H-NMR (400 MHz, DMSO) Spectrum of **30**



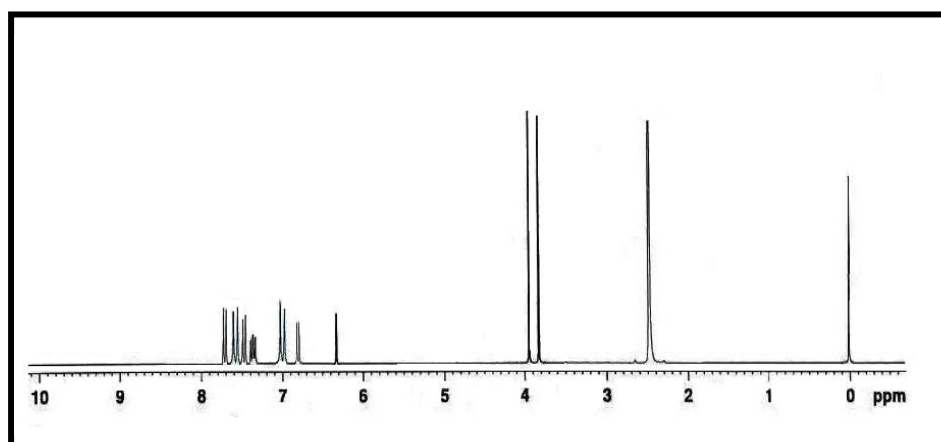
**Figure S23:**  $^{13}\text{C}$ -NMR (100 MHz, DMSO) Spectrum of **30**



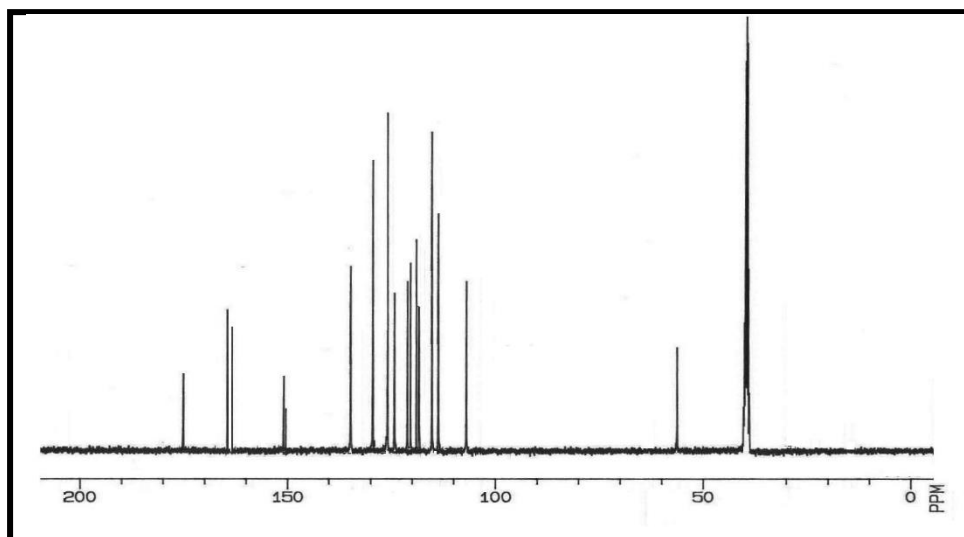
**Figure S24:** LC Mass Spectrum of **30**



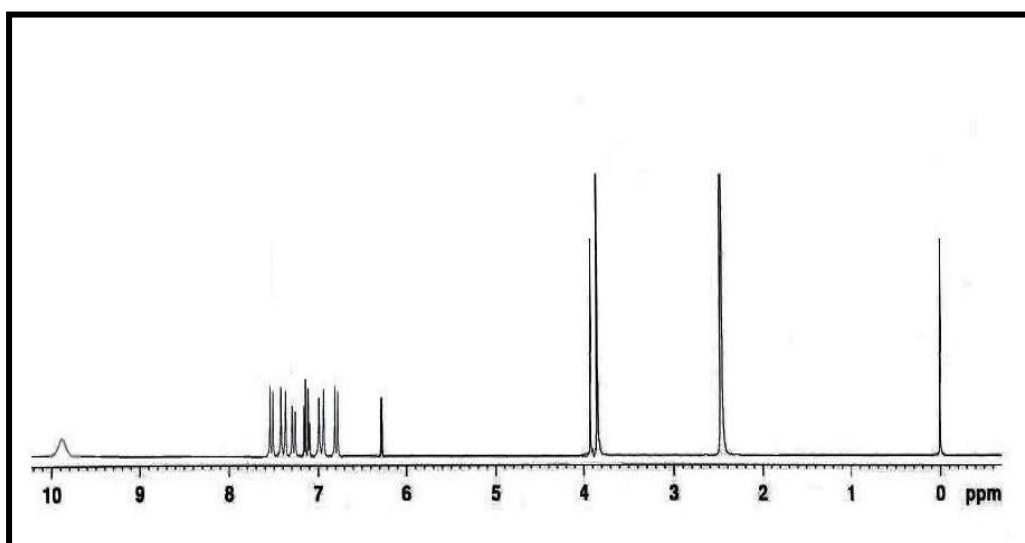
**Figure S25:** IR Spectrum of **31**



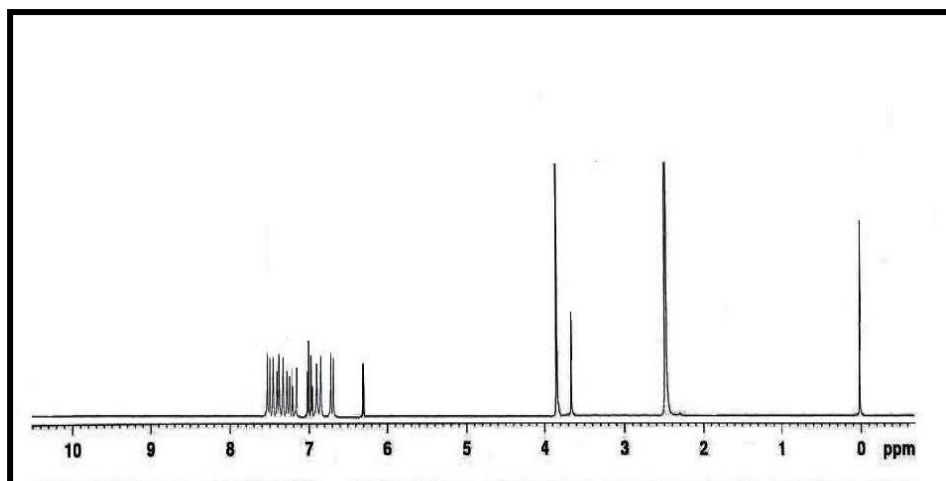
**Figure S26:** <sup>1</sup>H-NMR (400 MHz, DMSO) Spectrum of **31**



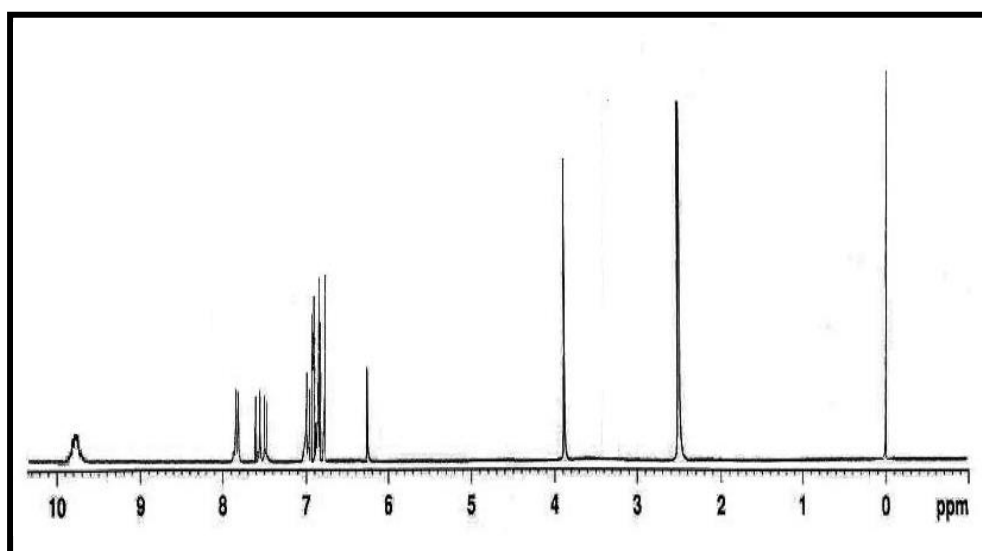
**Figure S27:**  $^{13}\text{C}$ -NMR (100 MHz, DMSO) Spectrum of **31**



**Figure S28:**  $^1\text{H}$ -NMR (400 MHz, DMSO) Spectrum of **20**



**Figure S29:**  $^1\text{H}$ -NMR (400 MHz, DMSO) Spectrum of **21**



**Figure S30:**  $^1\text{H}$ -NMR (400 MHz, DMSO) Spectrum of **28**