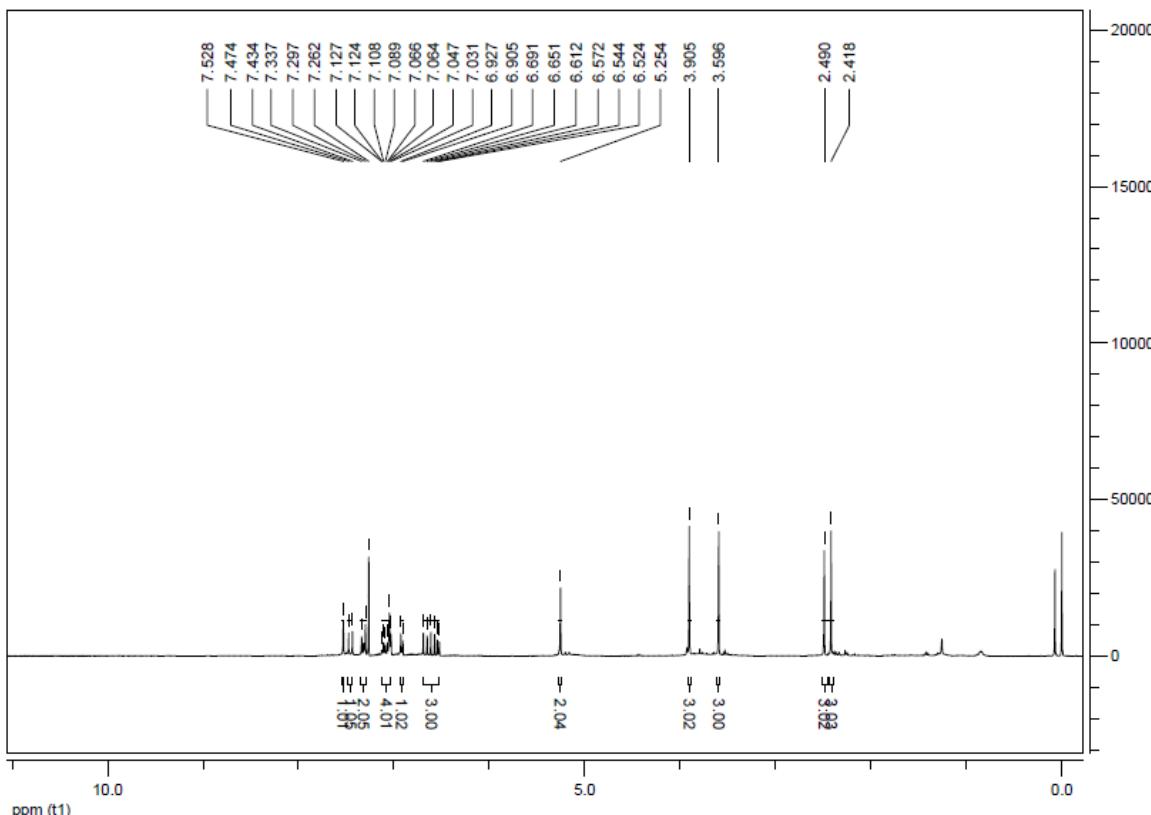
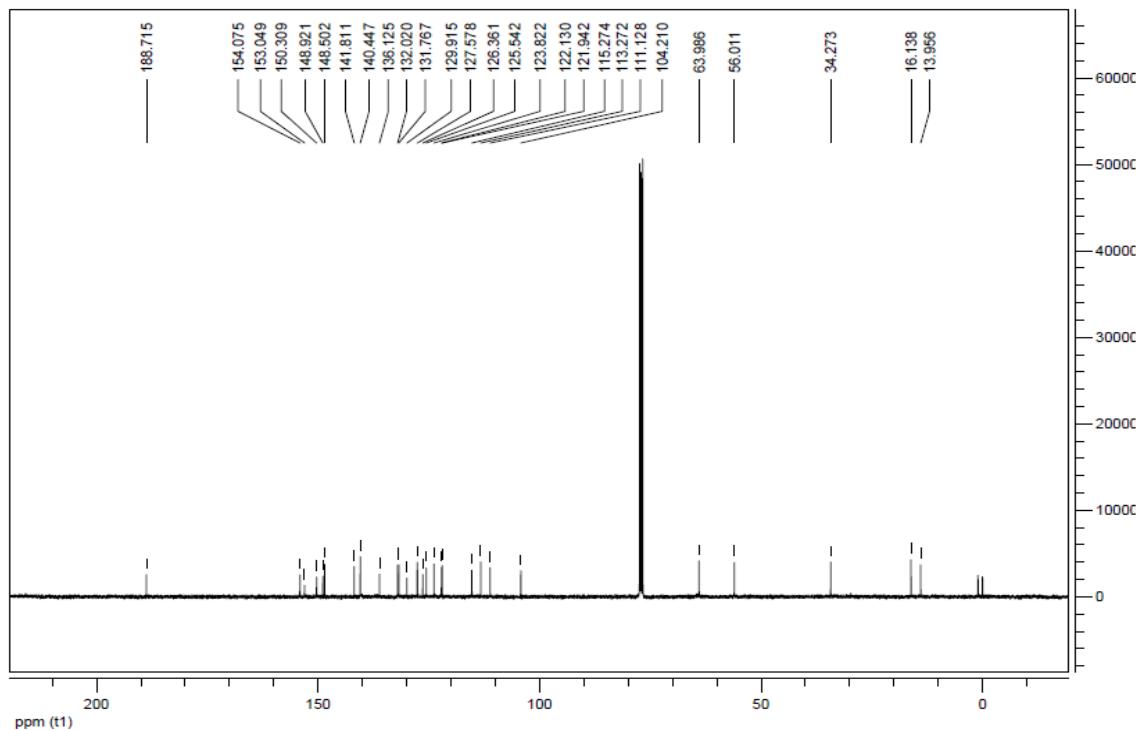


## Supplementary Materials

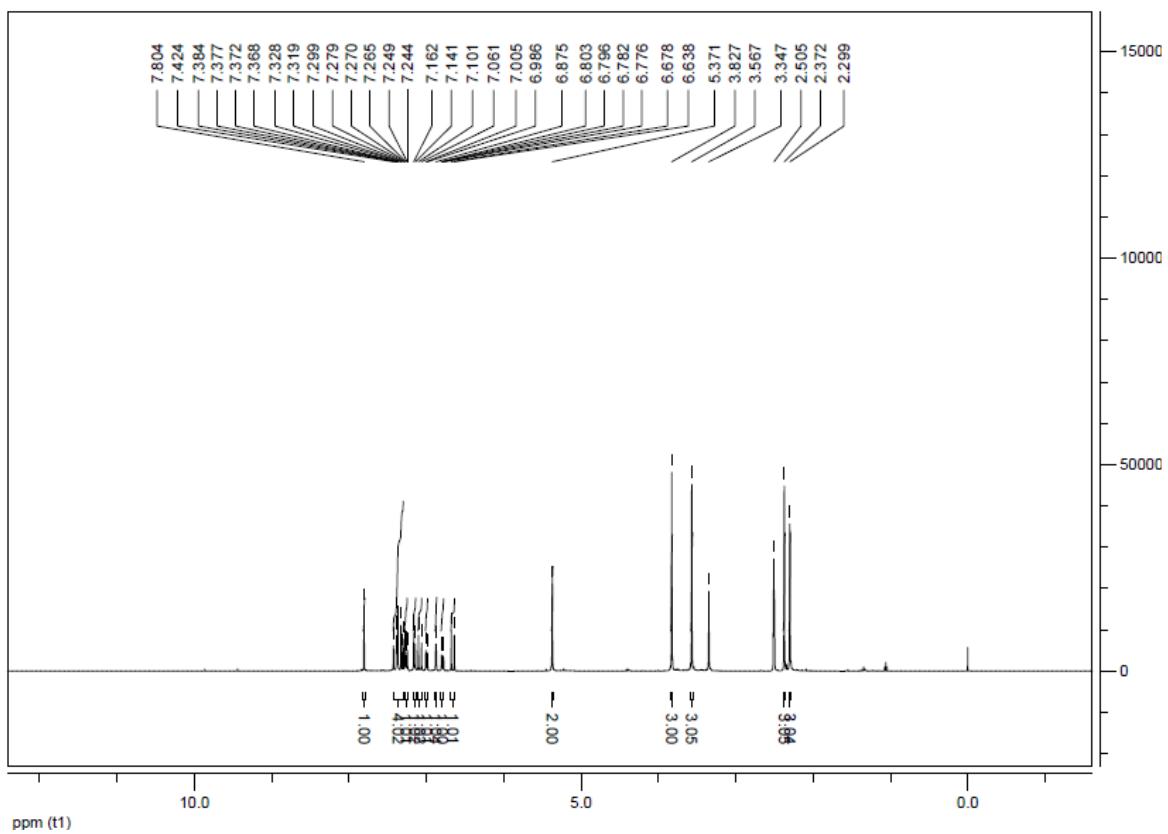
The  $^1\text{H}$ -NMR and  $^{13}\text{C}$ -NMR spectra of pyrazole oxime derivatives (**7a–7z**) were listed below:



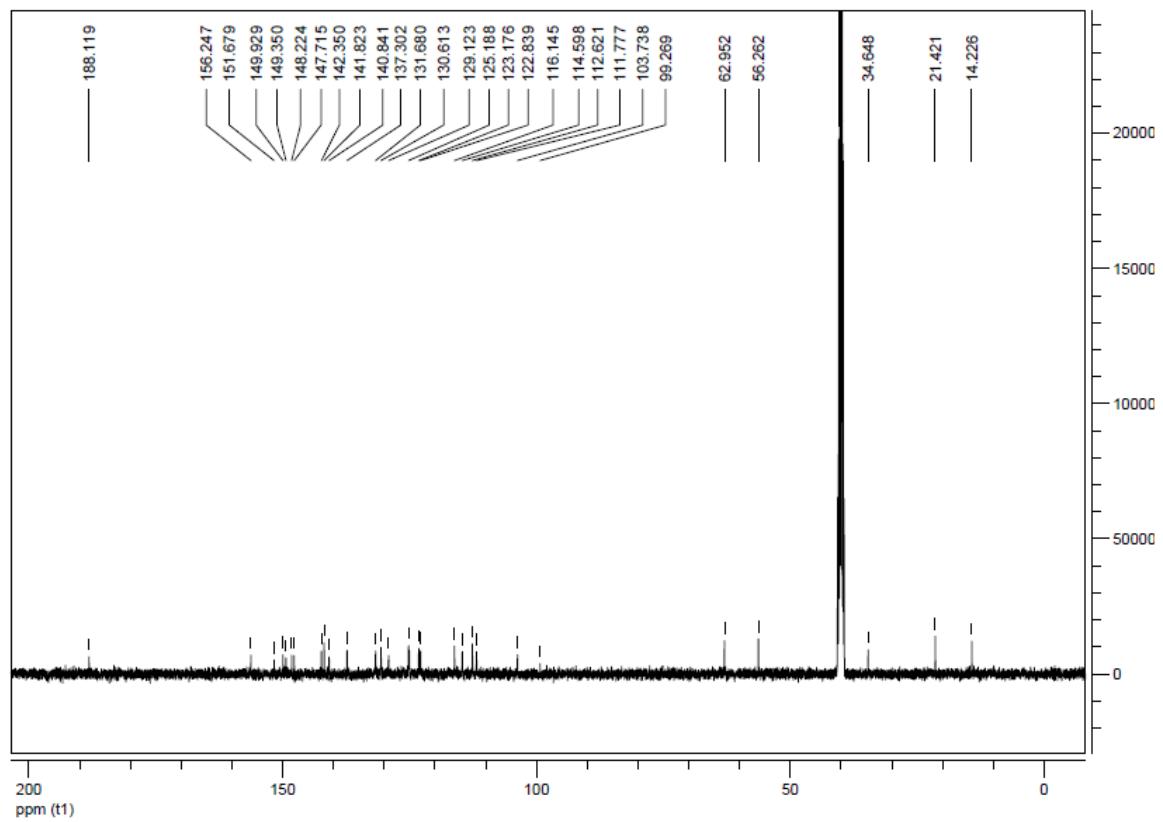
**Figure S1.**  $^1\text{H}$ -NMR of compound **7a** (400 MHz,  $\text{CDCl}_3$ ).



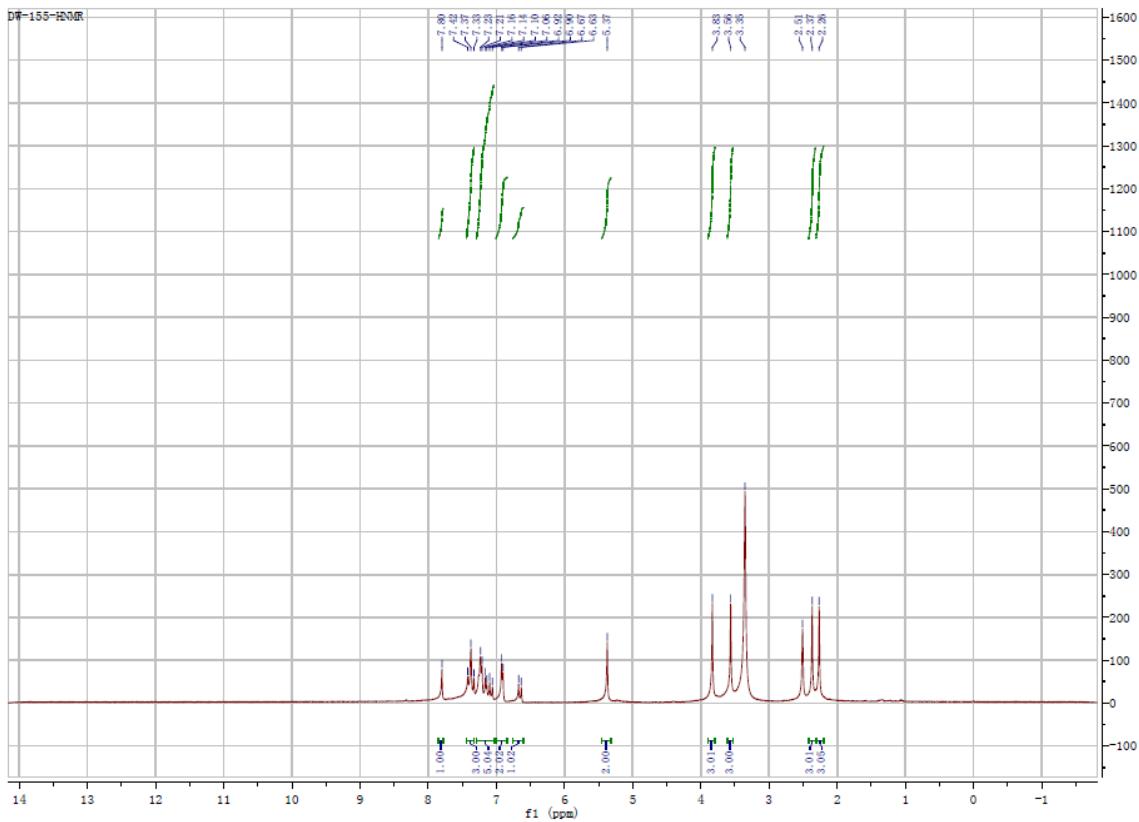
**Figure S2.**  $^{13}\text{C}$ -NMR of compound **7a** (100 MHz,  $\text{CDCl}_3$ ).



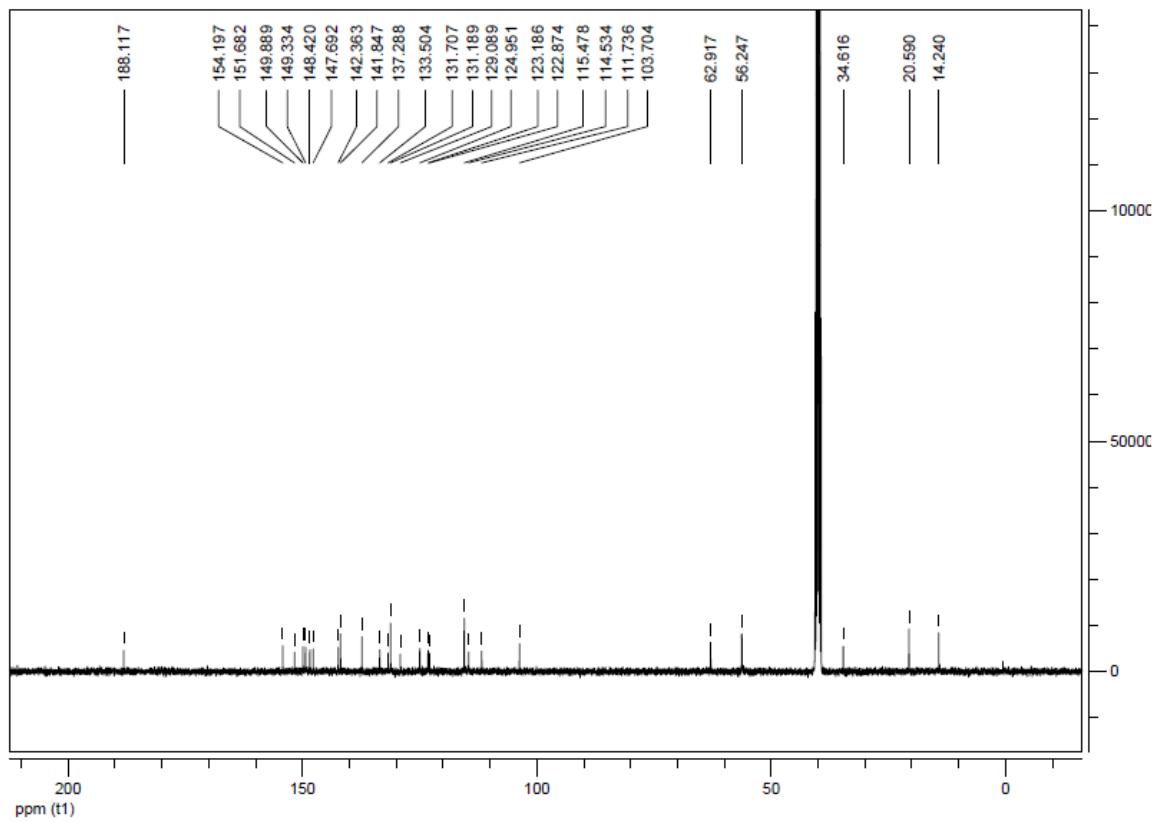
**Figure S3.**  $^1\text{H}$ -NMR of compound **7b** (400 MHz, DMSO-*d*<sub>6</sub>).



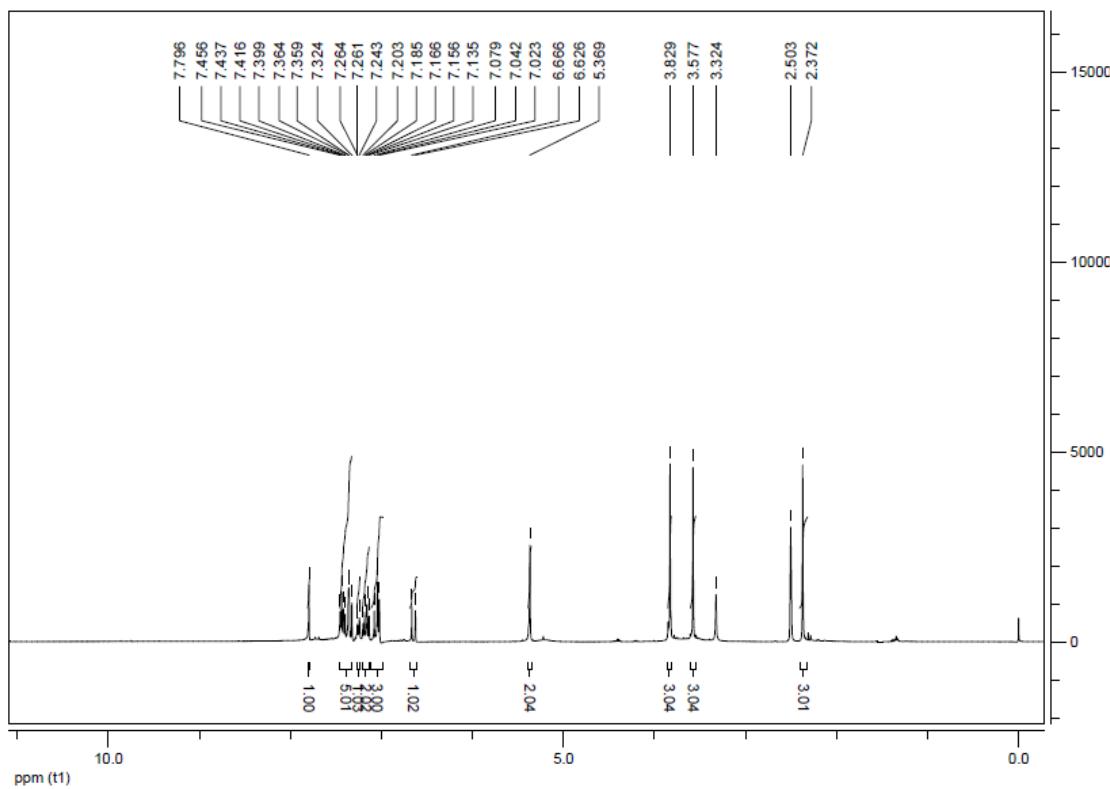
**Figure S4.**  $^{13}\text{C}$ -NMR of compound **7b** (100 MHz,  $\text{DMSO}-d_6$ ).



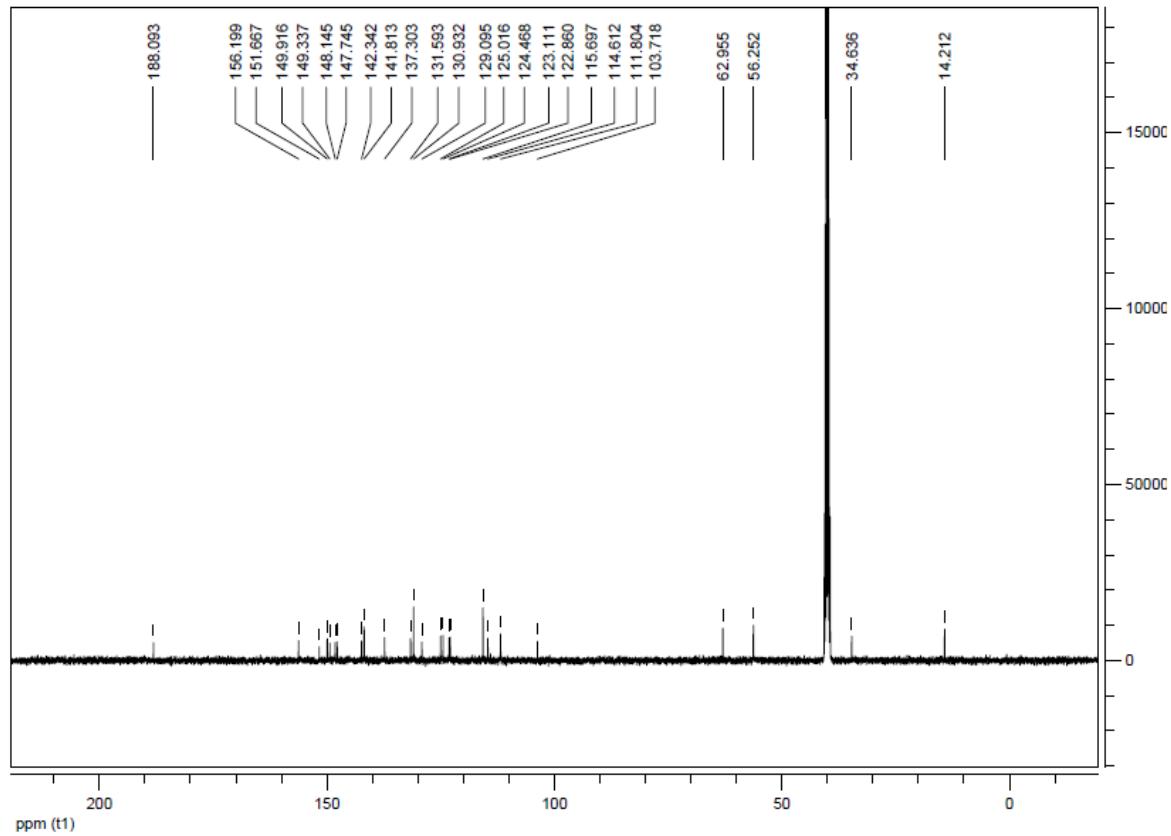
**Figure S5.** <sup>1</sup>H-NMR of compound 7c (400 MHz, DMSO-*d*<sub>6</sub>).



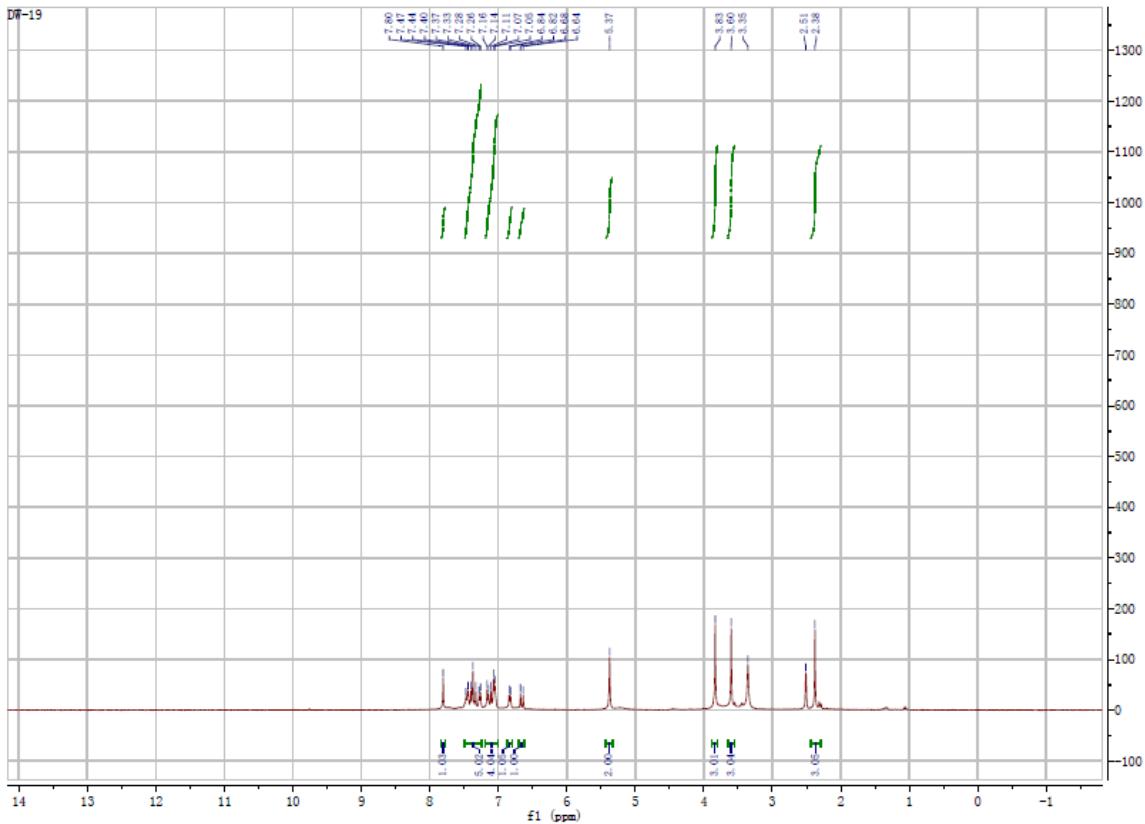
**Figure S6.** <sup>13</sup>C-NMR of compound 7c (100 MHz, DMSO-*d*<sub>6</sub>).



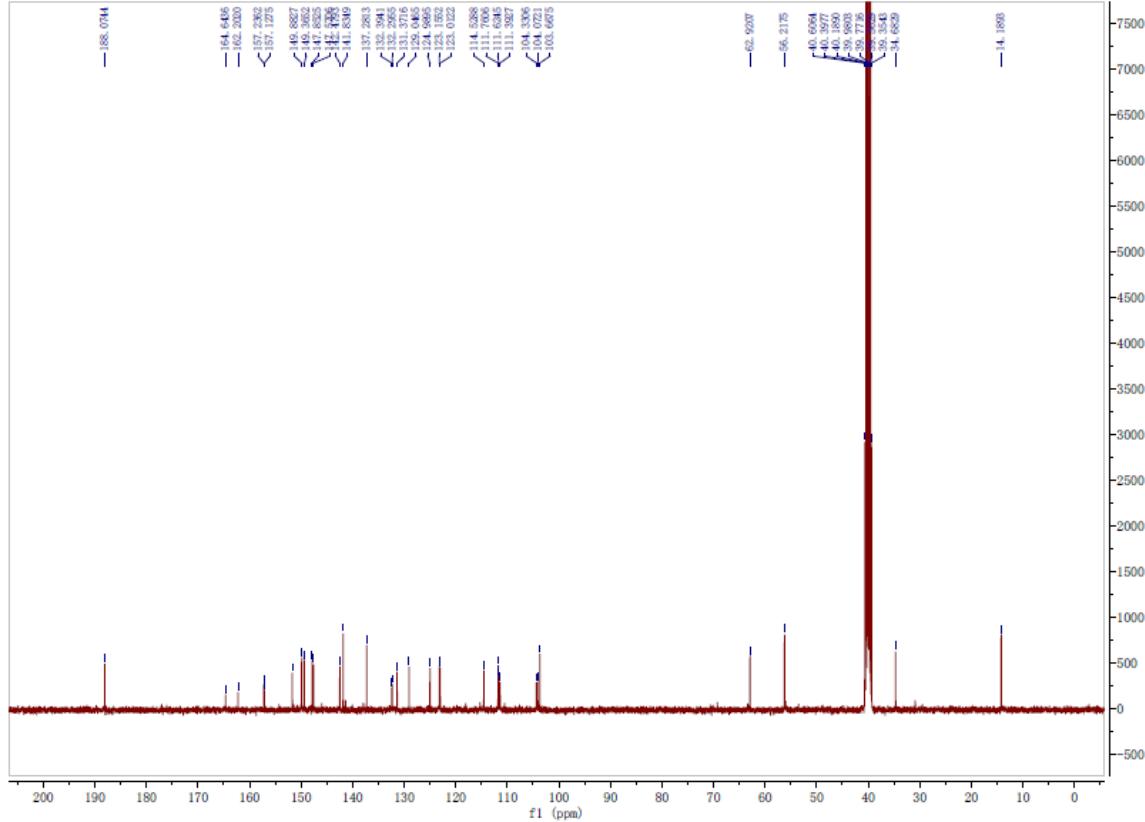
**Figure S7.** <sup>1</sup>H-NMR of compound 7d (400 MHz, DMSO-*d*<sub>6</sub>).



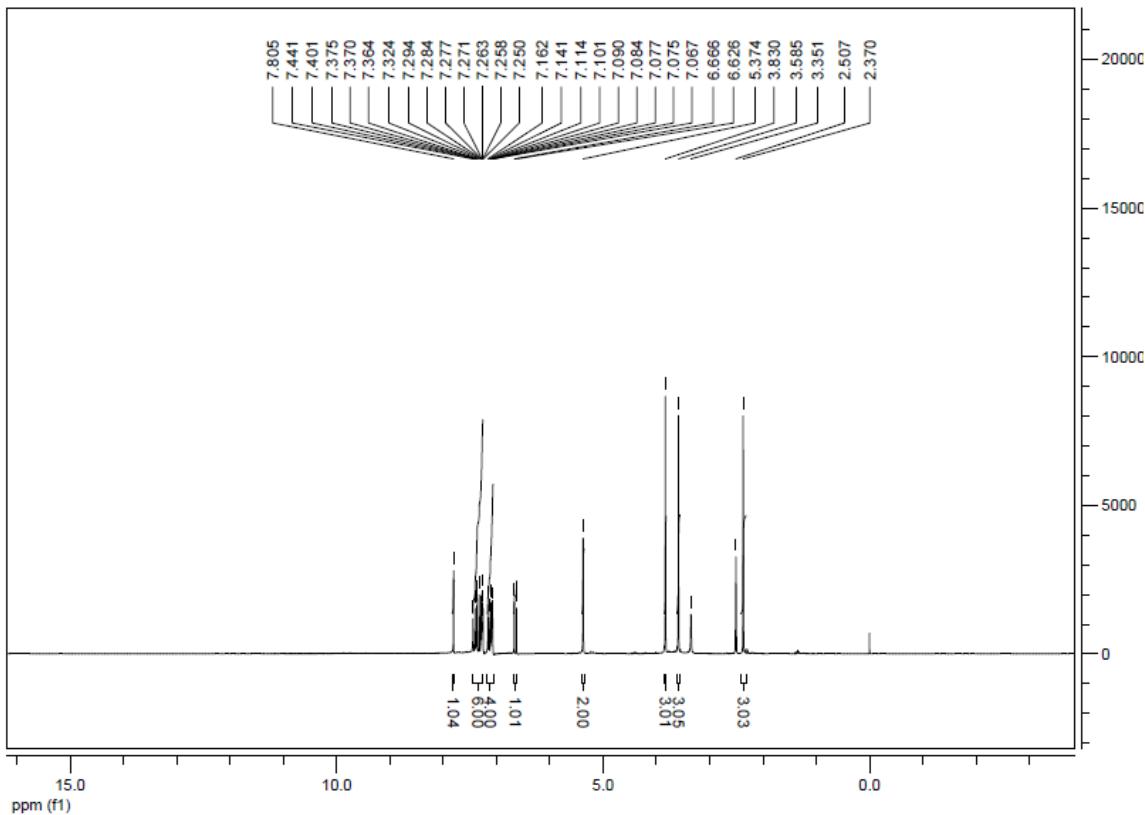
**Figure S8.** <sup>13</sup>C-NMR of compound 7d (100 MHz, DMSO-*d*<sub>6</sub>).



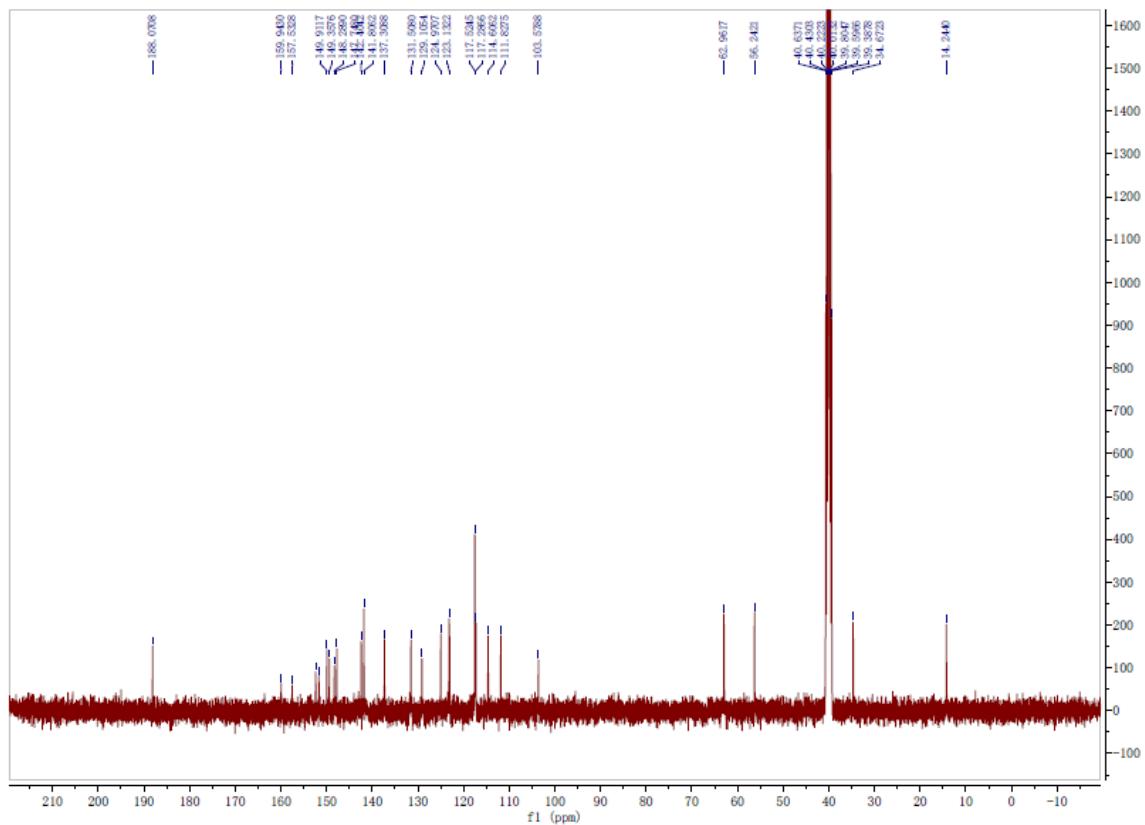
**Figure S9.** <sup>1</sup>H-NMR of compound 7e (400 MHz, DMSO-d<sub>6</sub>).



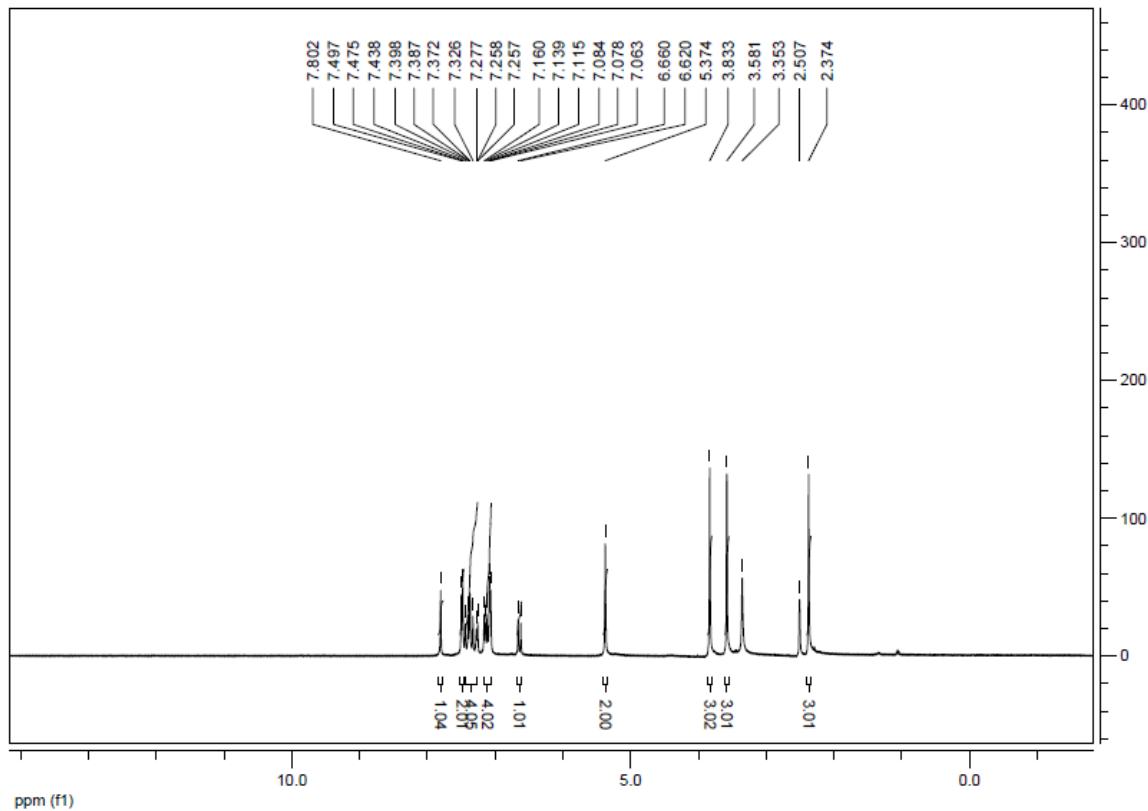
**Figure S10.** <sup>13</sup>C-NMR of compound 7e (100 MHz, DMSO-d<sub>6</sub>).



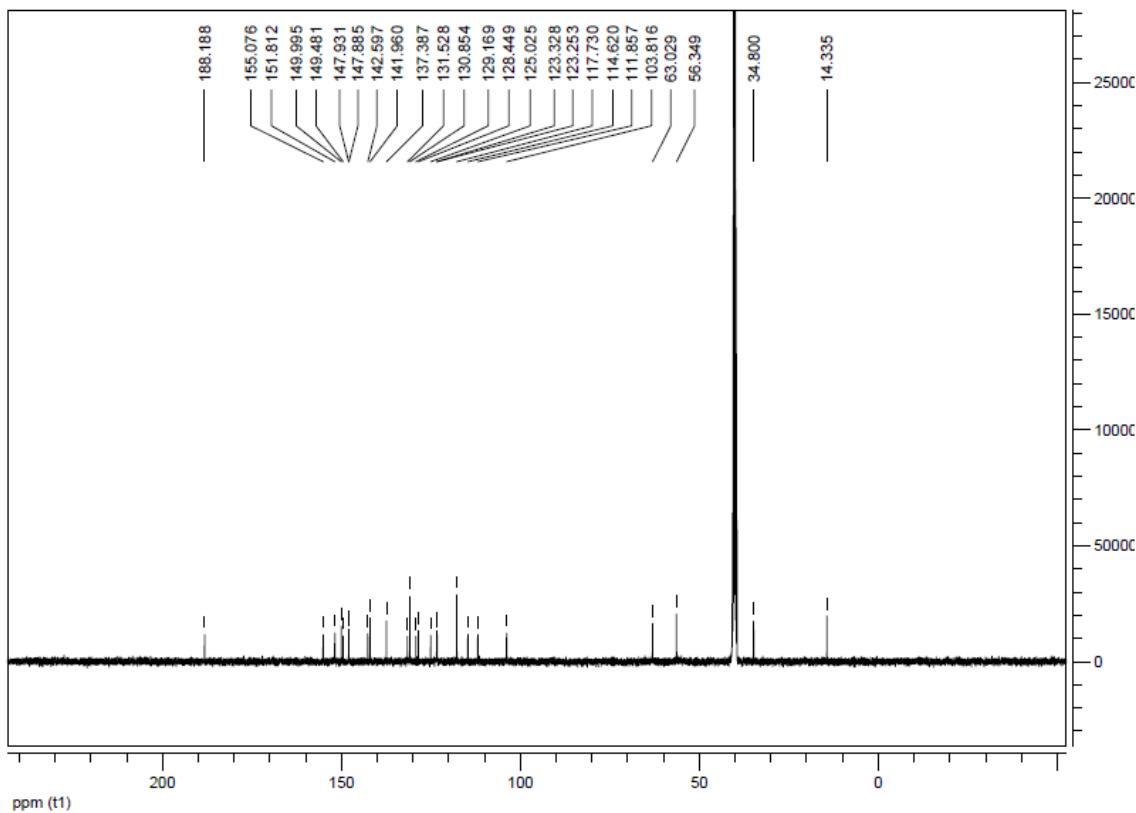
**Figure S11.** <sup>1</sup>H-NMR of compound 7f (400 MHz, DMSO-*d*<sub>6</sub>).



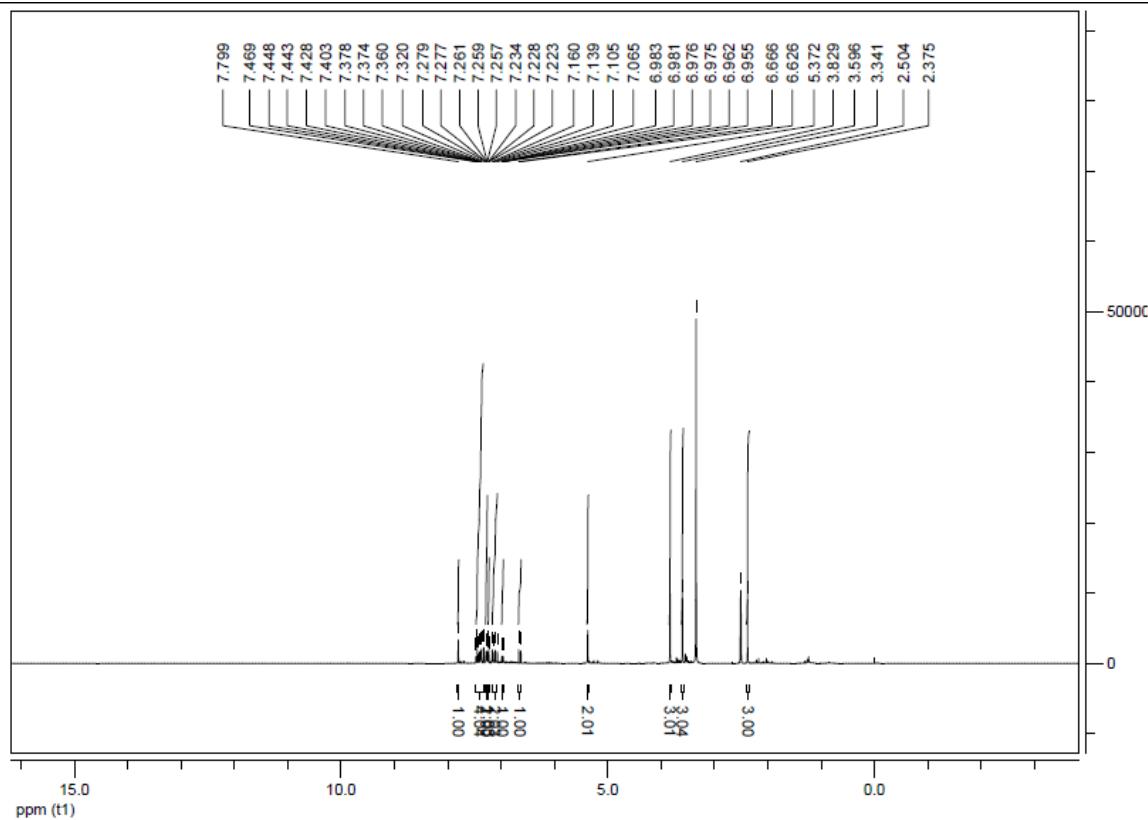
**Figure S12.** <sup>13</sup>C-NMR of compound 7f (100 MHz, DMSO-*d*<sub>6</sub>).



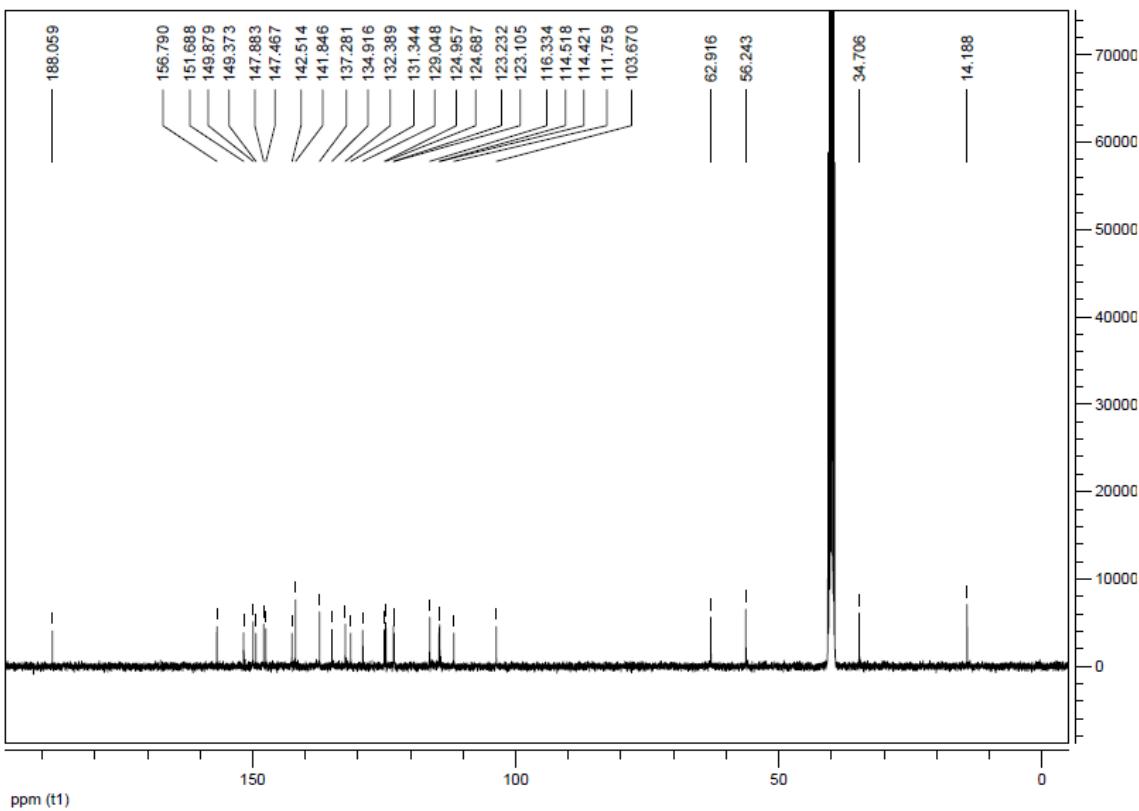
**Figure S13.** <sup>1</sup>H-NMR of compound 7g (400 MHz, DMSO-*d*<sub>6</sub>).



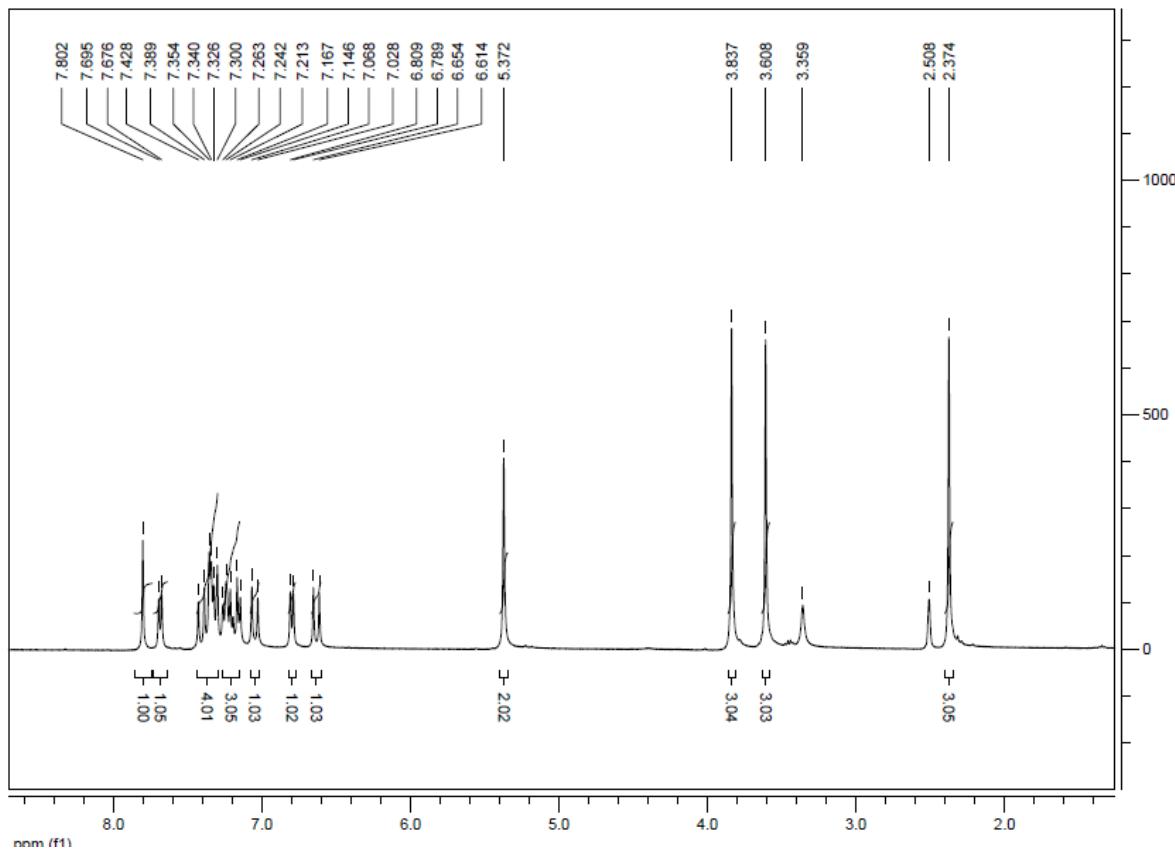
**Figure S14.** <sup>13</sup>C-NMR of compound 7g (100 MHz, DMSO-*d*<sub>6</sub>).



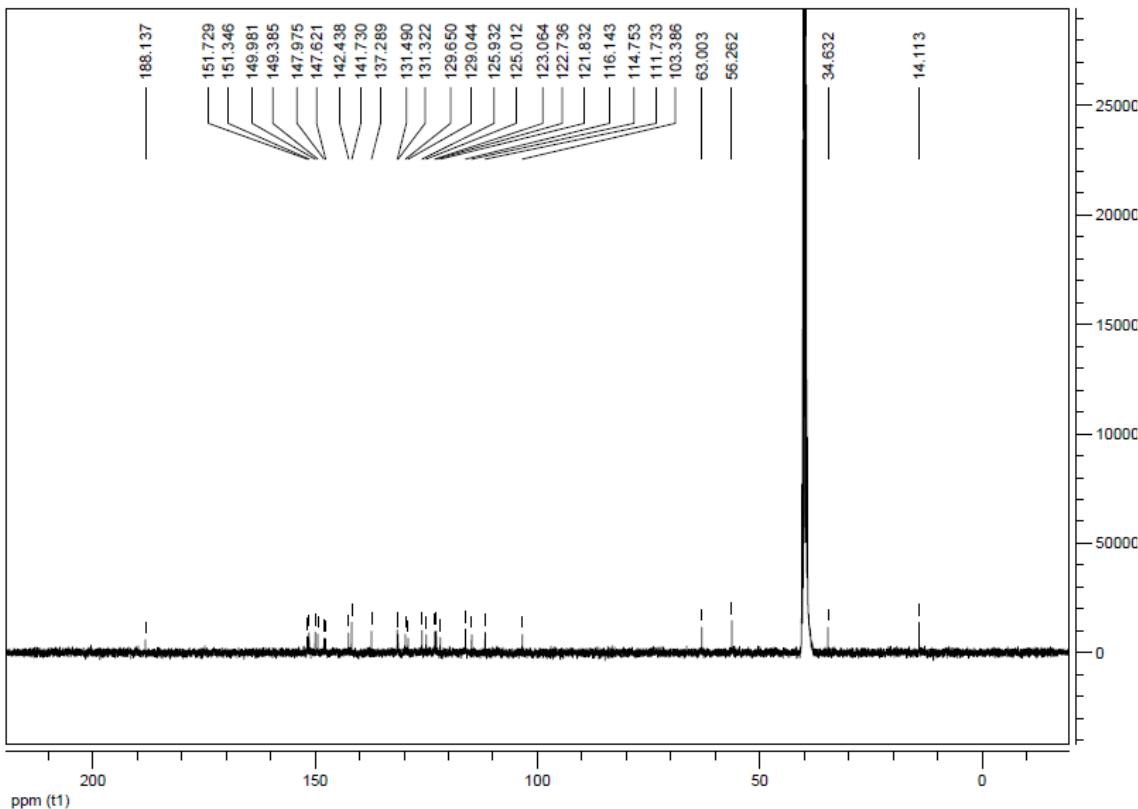
**Figure S15.** <sup>1</sup>H-NMR of compound 7h (400 MHz, DMSO-d<sub>6</sub>).



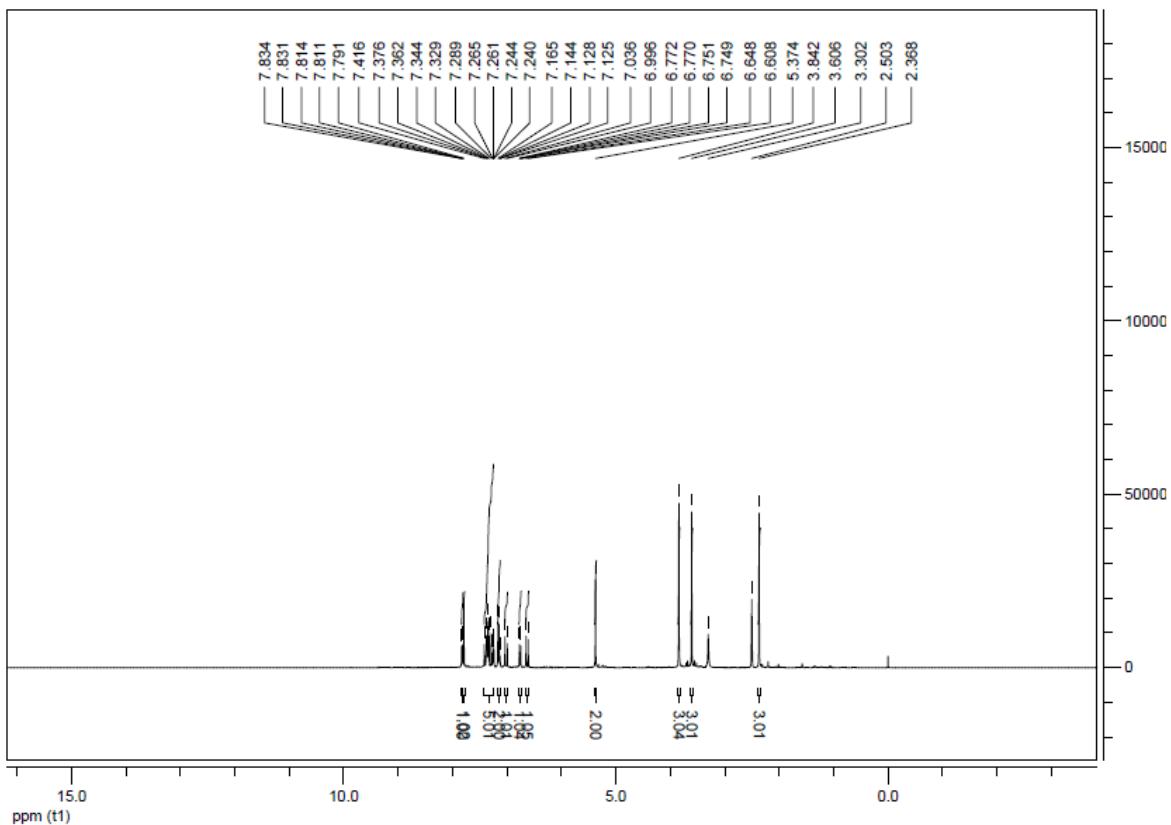
**Figure S16.** <sup>13</sup>C-NMR of compound 7h (100 MHz, DMSO-d<sub>6</sub>).



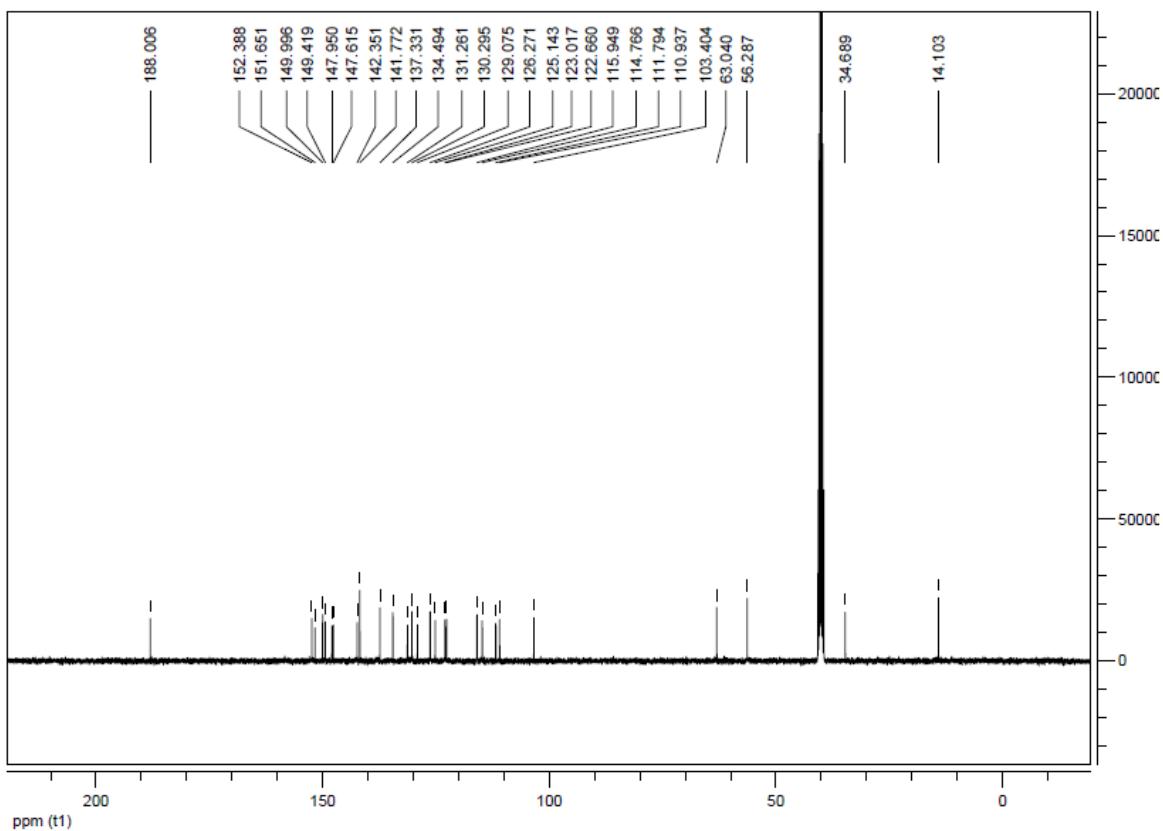
**Figure S17.** <sup>1</sup>H-NMR of compound 9i (400 MHz, DMSO-*d*<sub>6</sub>).



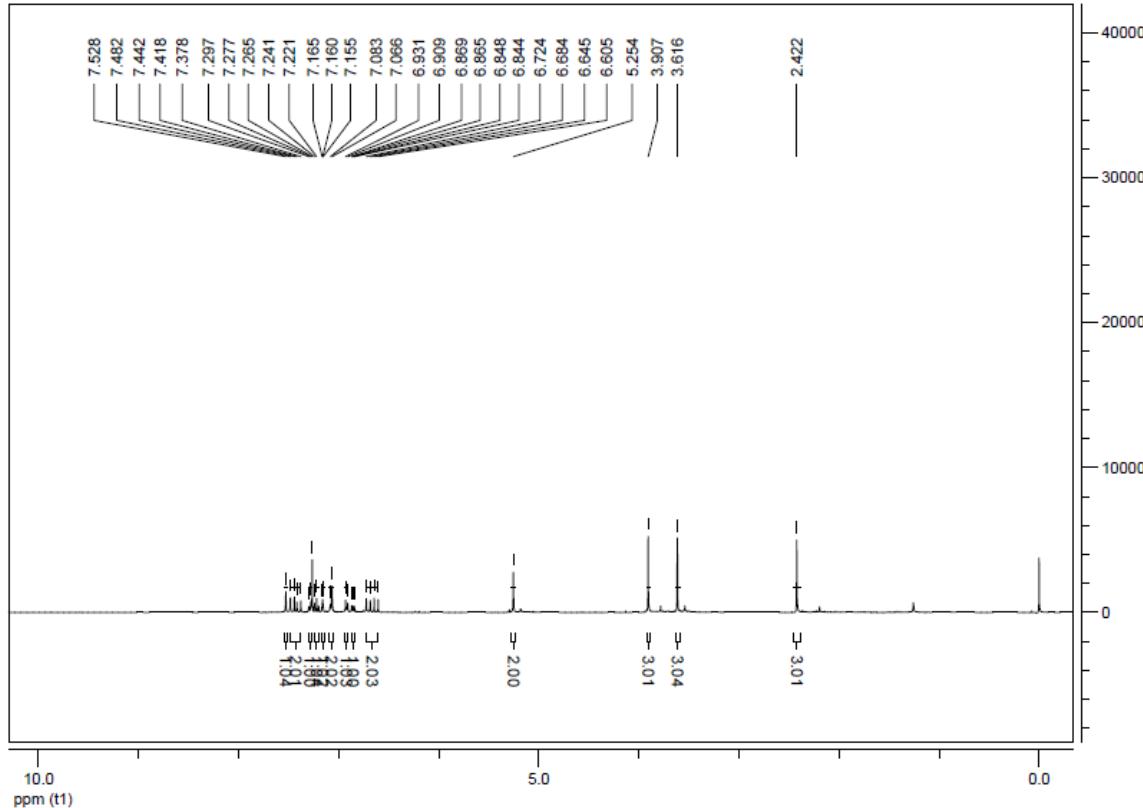
**Figure S18.** <sup>13</sup>C-NMR of compound 7i (100 MHz, DMSO-*d*<sub>6</sub>).



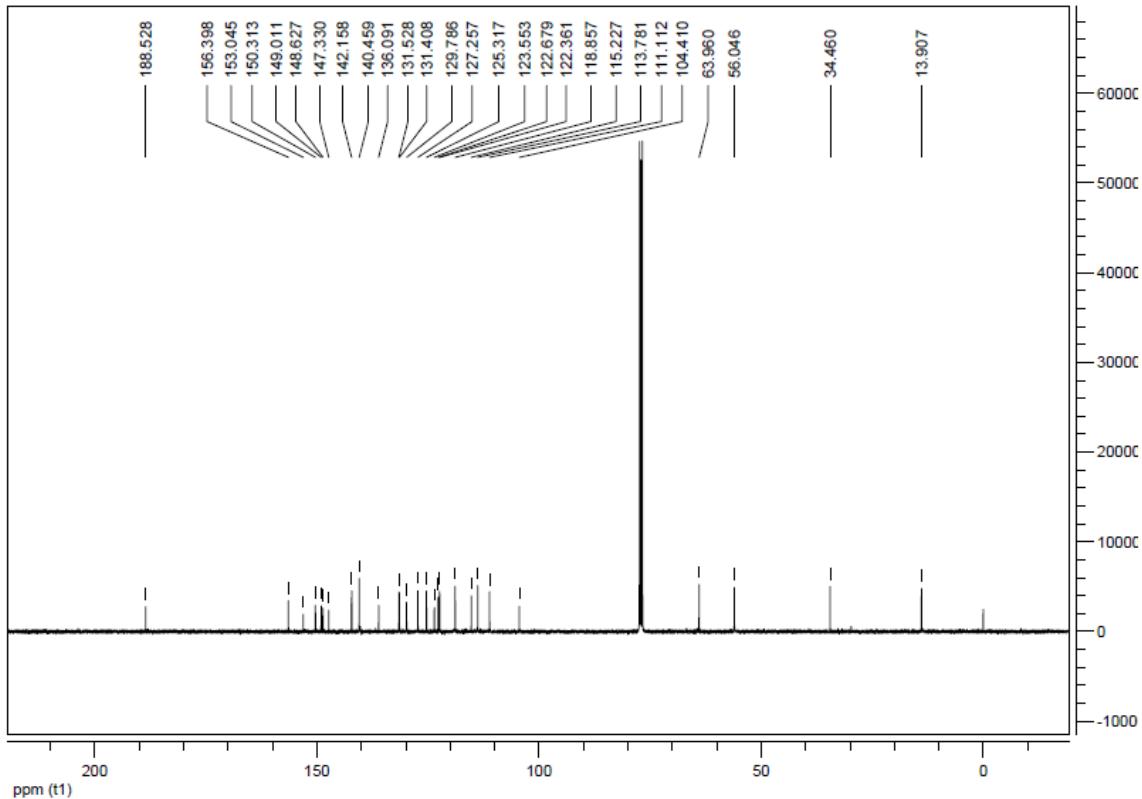
**Figure S19.**  $^1\text{H}$ -NMR of compound **7j** (400 MHz,  $\text{DMSO}-d_6$ ).



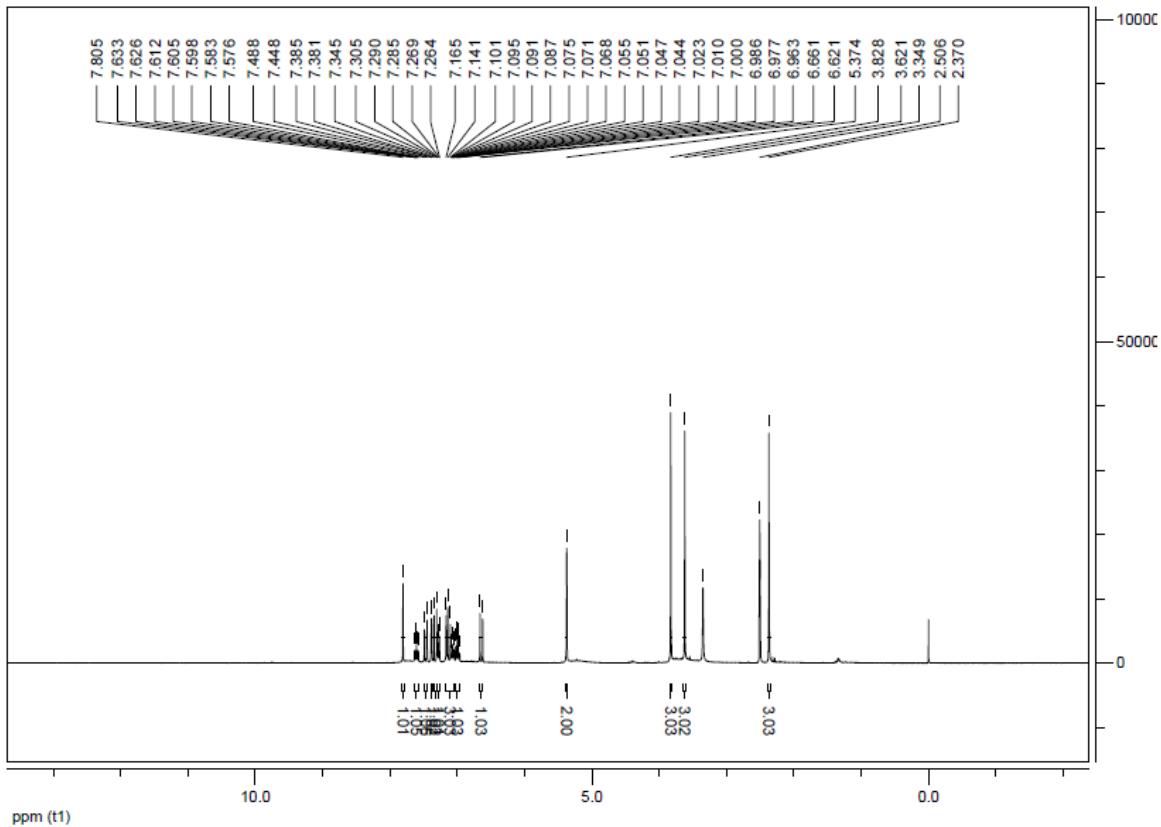
**Figure S20.**  $^{13}\text{C}$ -NMR of compound **7j** (100 MHz,  $\text{DMSO}-d_6$ ).



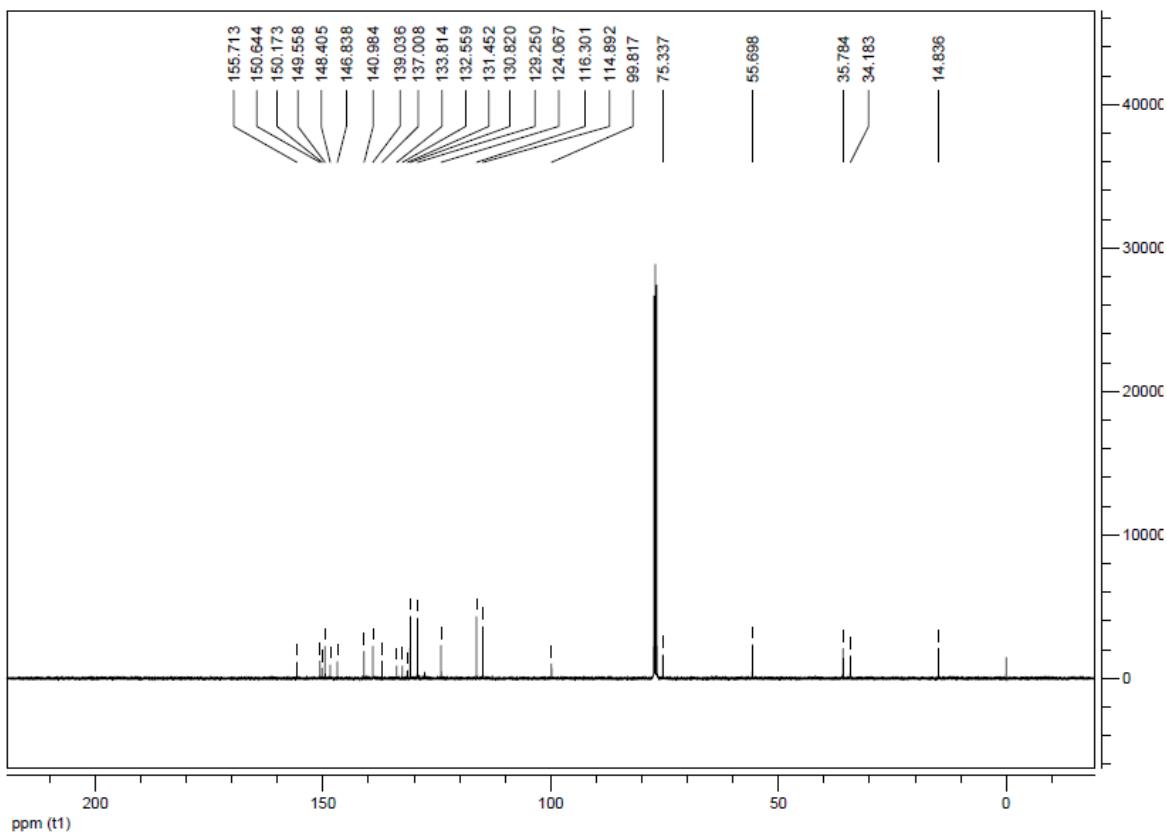
**Figure S21.** <sup>1</sup>H-NMR of compound 7k (400 MHz, CDCl<sub>3</sub>).



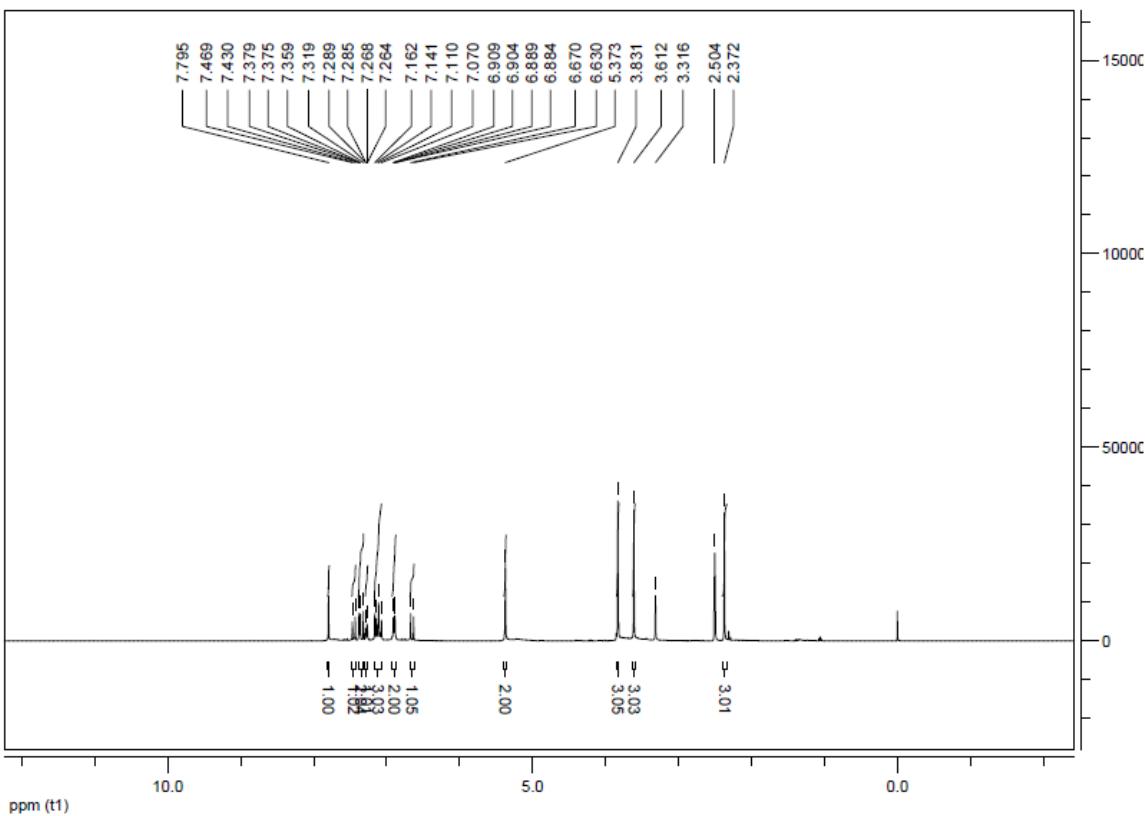
**Figure S22.** <sup>13</sup>C-NMR of compound 7k (100 MHz, CDCl<sub>3</sub>).



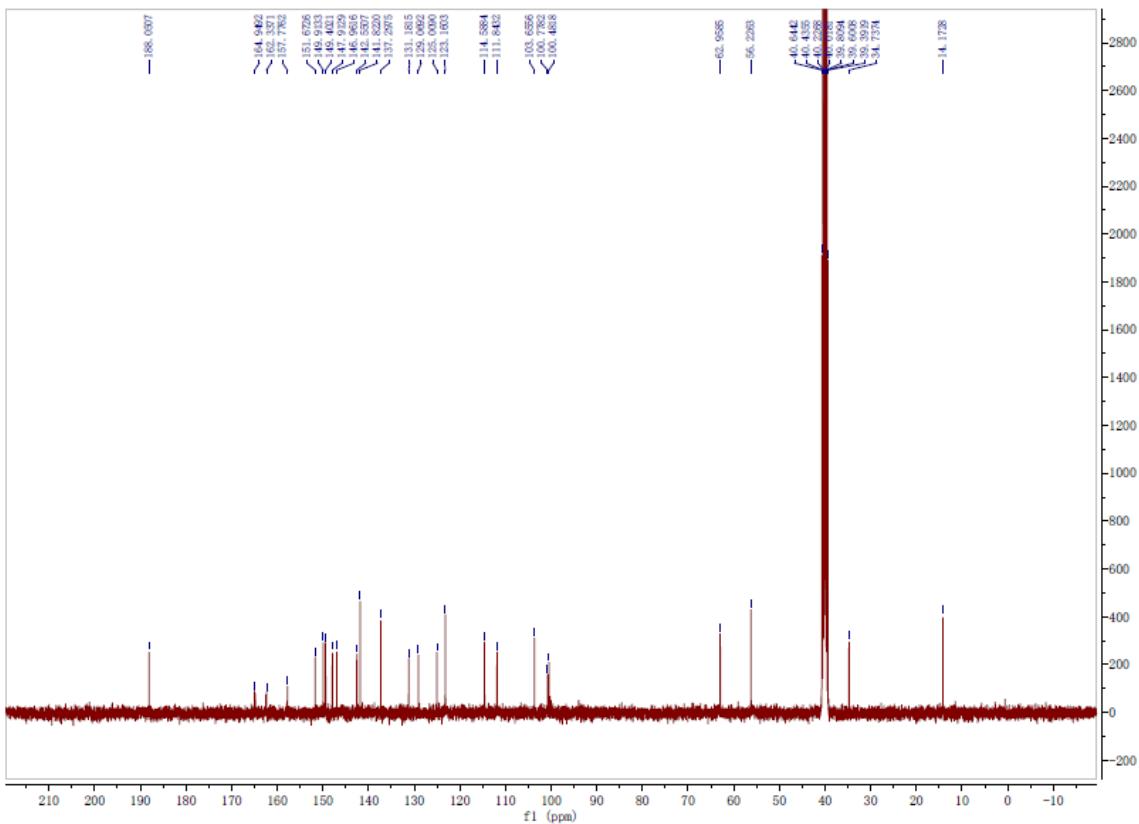
**Figure S23.** <sup>1</sup>H-NMR of compound 71 (400 MHz, DMSO-*d*<sub>6</sub>).



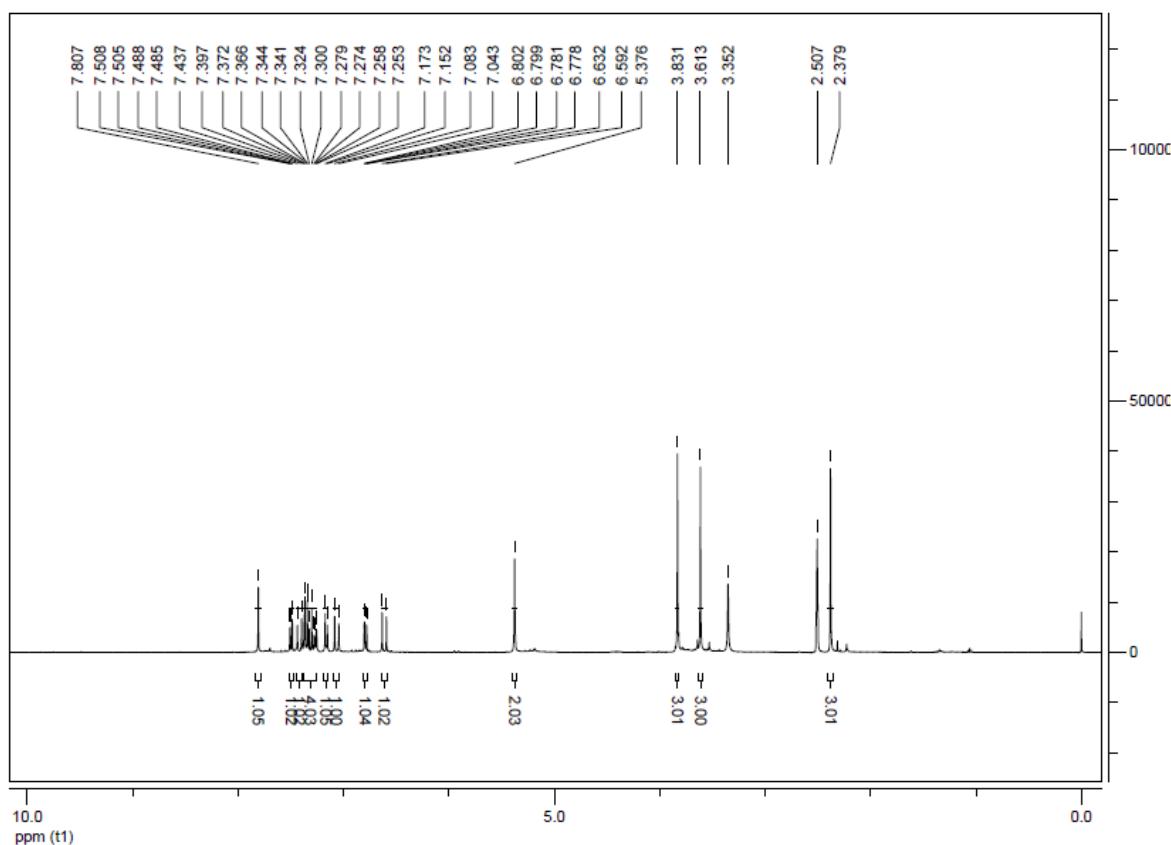
**Figure S24.** <sup>13</sup>C-NMR of compound 71 (100 MHz, DMSO-*d*<sub>6</sub>).



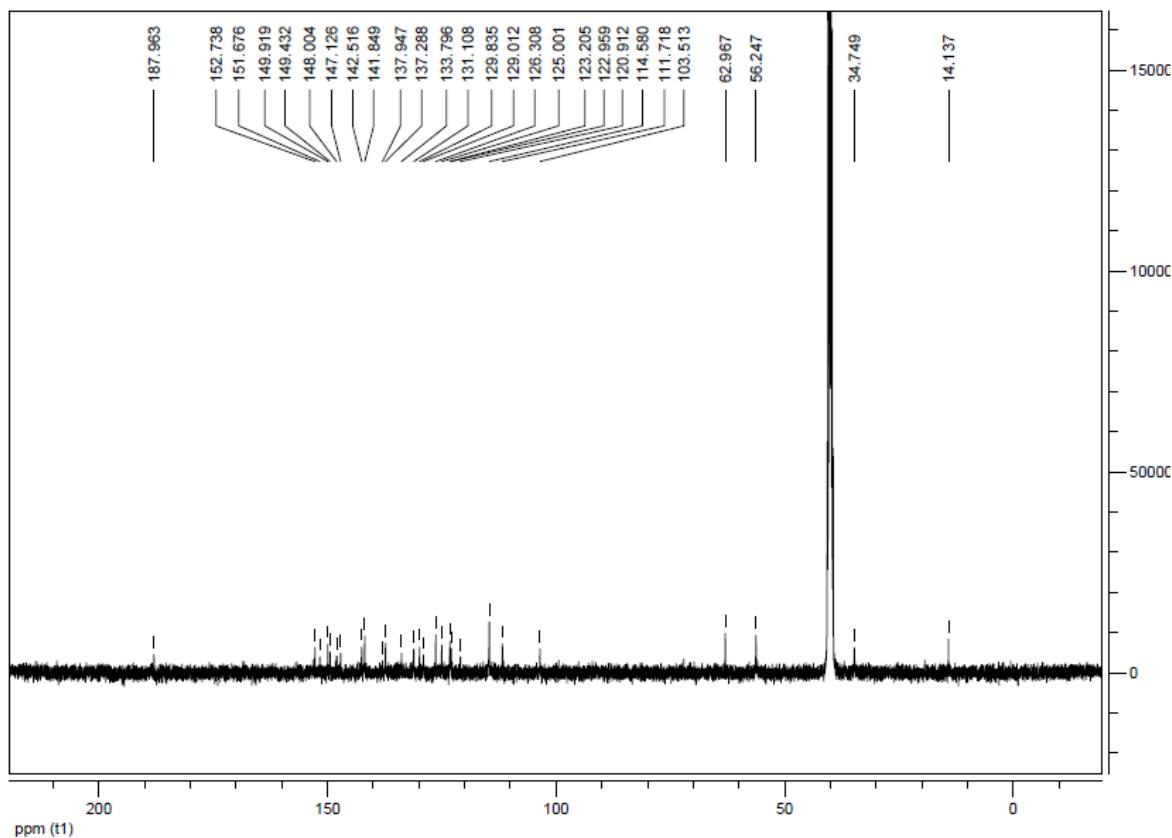
**Figure S25.**  $^1\text{H}$ -NMR of compound **7m** (400 MHz,  $\text{DMSO}-d_6$ ).



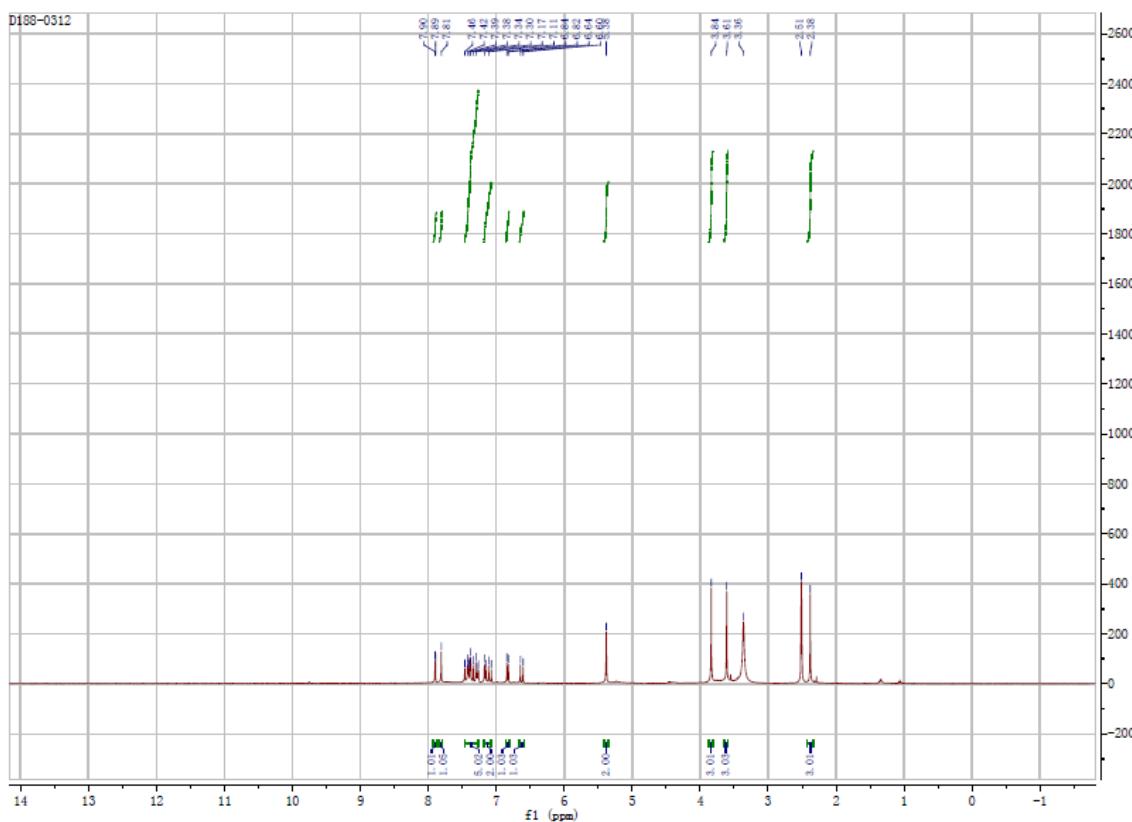
**Figure S26.**  $^{13}\text{C}$ -NMR of compound **7m** (100 MHz,  $\text{DMSO}-d_6$ ).



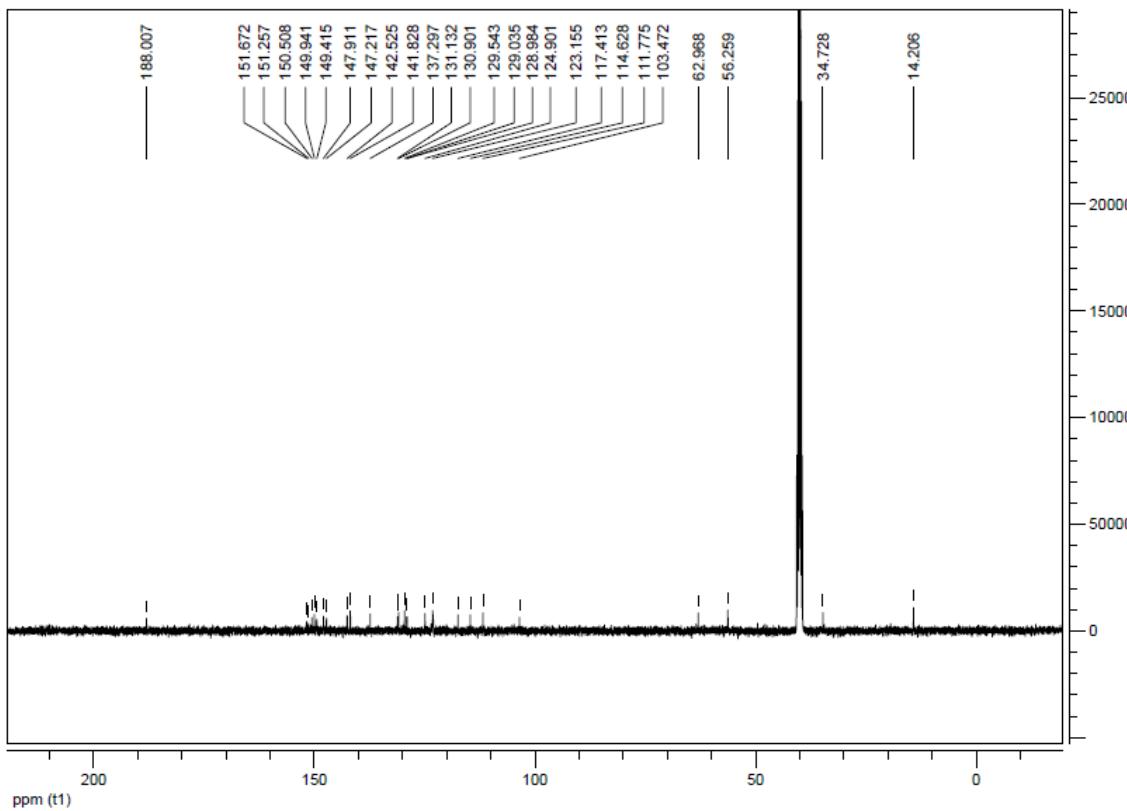
**Figure S27.**  $^1\text{H}$ -NMR of compound **7n** (400 MHz,  $\text{DMSO}-d_6$ ).



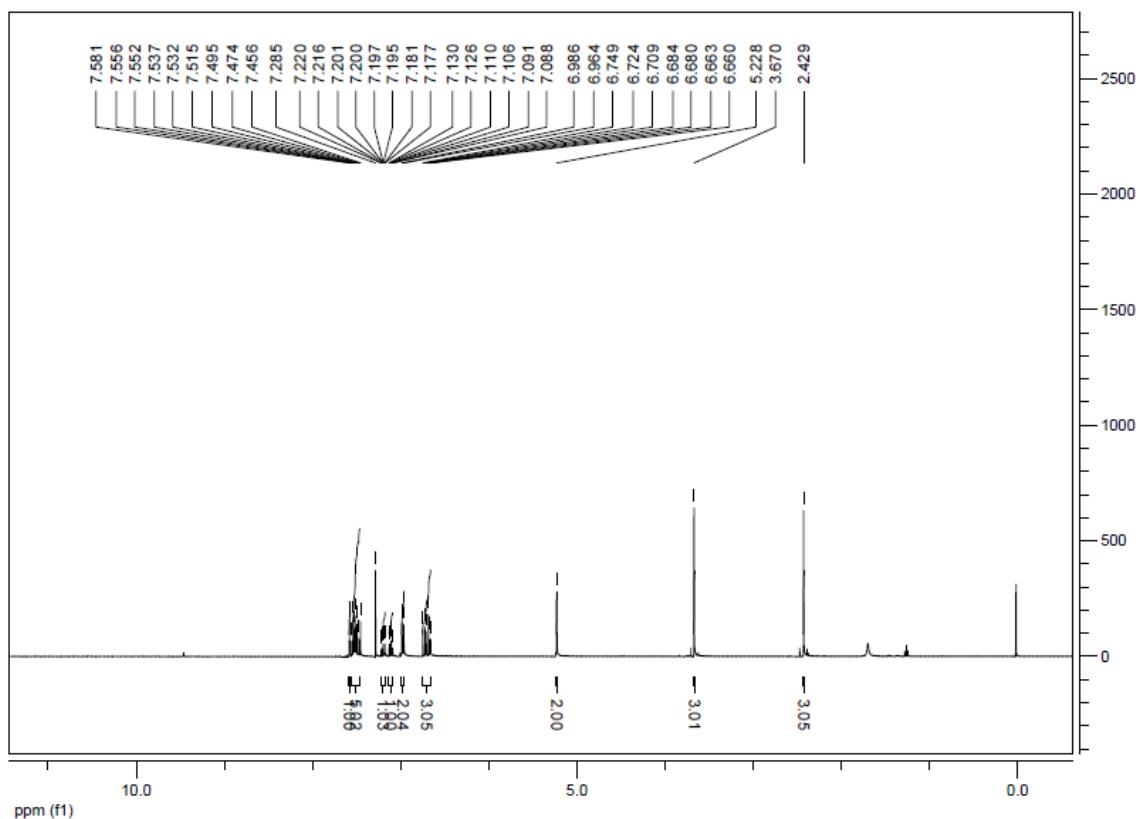
**Figure S28.**  $^{13}\text{C}$ -NMR of compound **7n** (100 MHz,  $\text{DMSO}-d_6$ ).



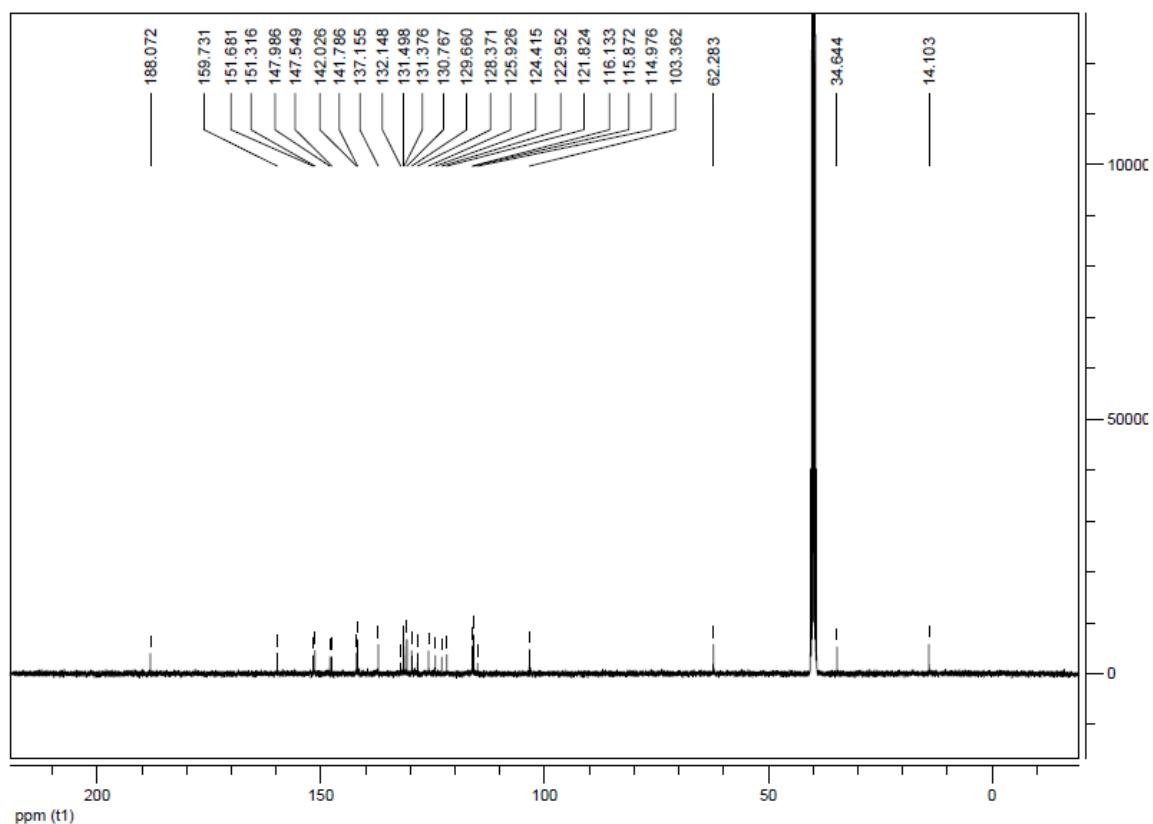
**Figure S29.**  $^1\text{H}$ -NMR of compound **7o** (400 MHz,  $\text{DMSO}-d_6$ ).



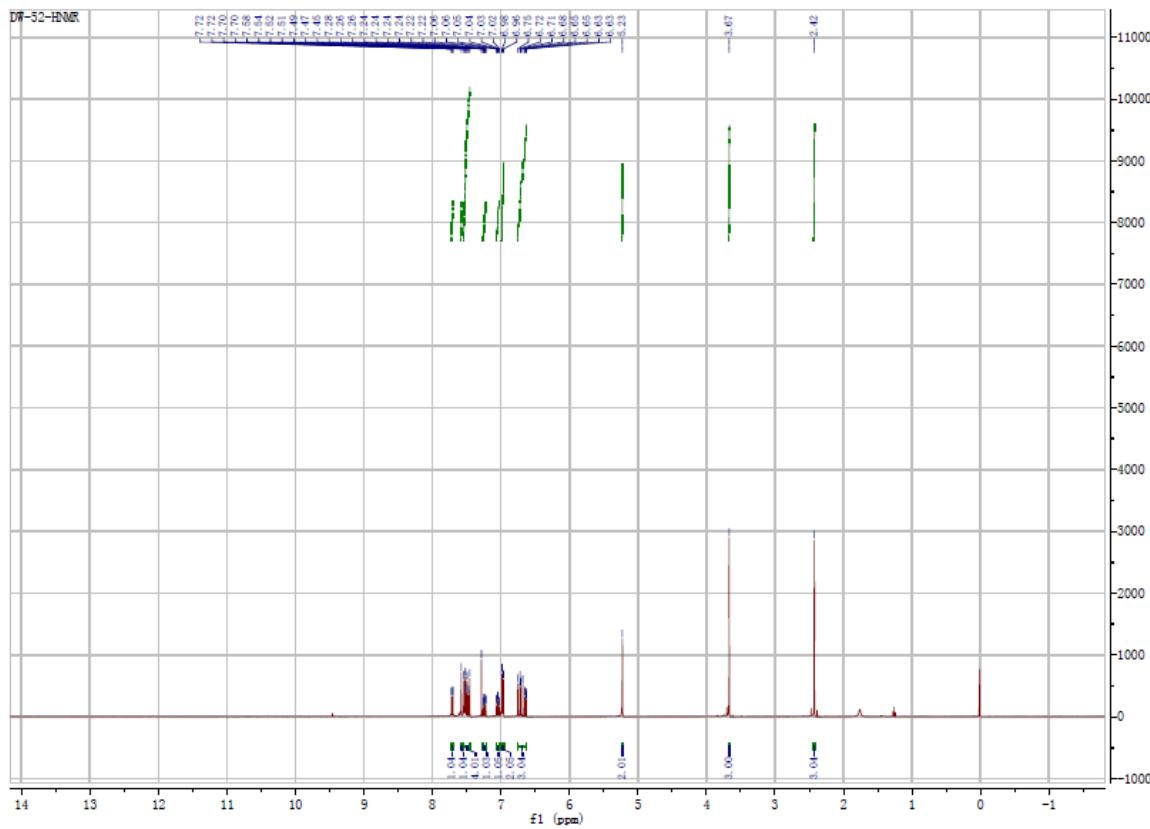
**Figure S30.**  $^{13}\text{C}$ -NMR of compound **7o** (100 MHz,  $\text{DMSO}-d_6$ ).



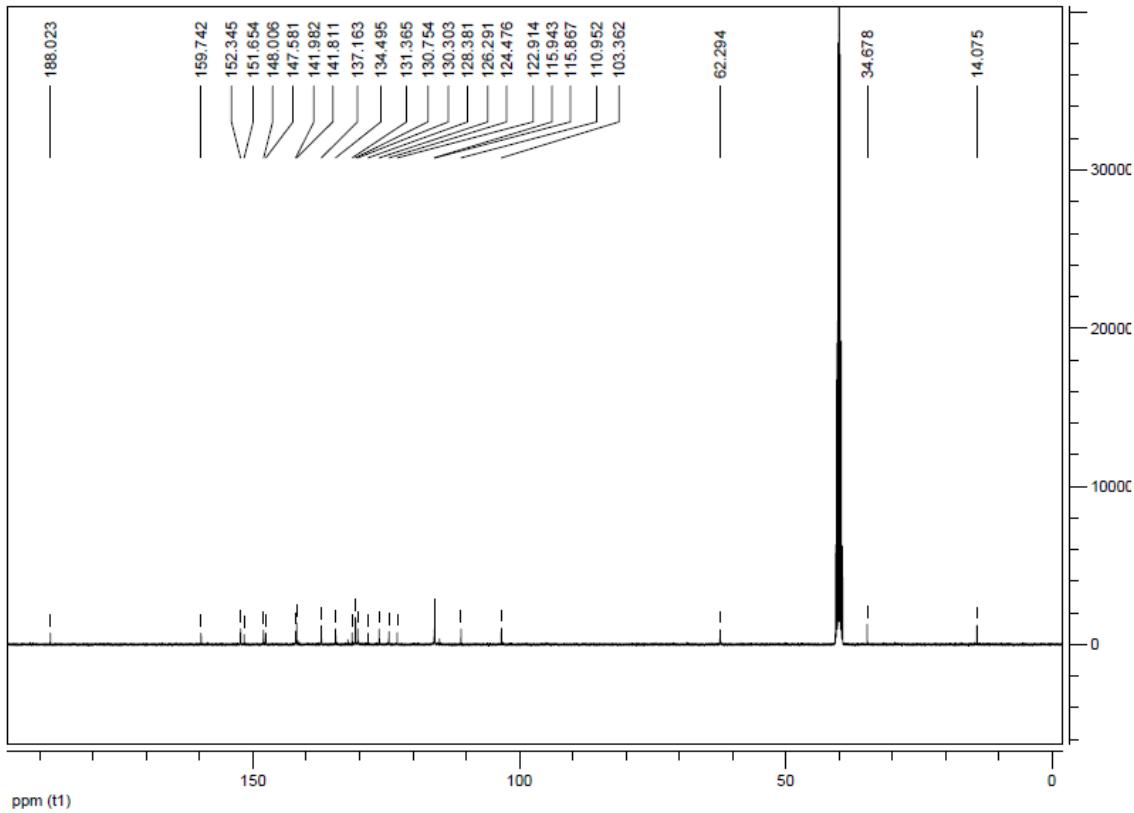
**Figure S31.** <sup>1</sup>H-NMR of compound 7p (400 MHz, CDCl<sub>3</sub>).



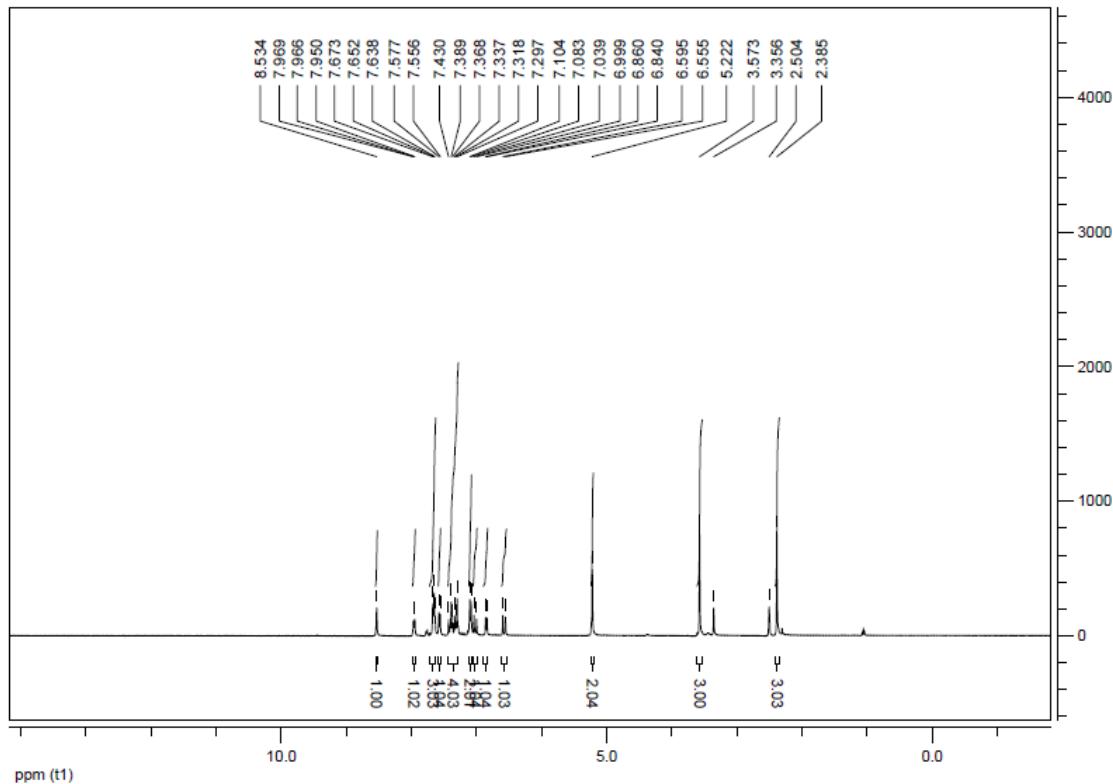
**Figure S32.** <sup>13</sup>C-NMR of compound 7p (100 MHz, DMSO-d<sub>6</sub>).



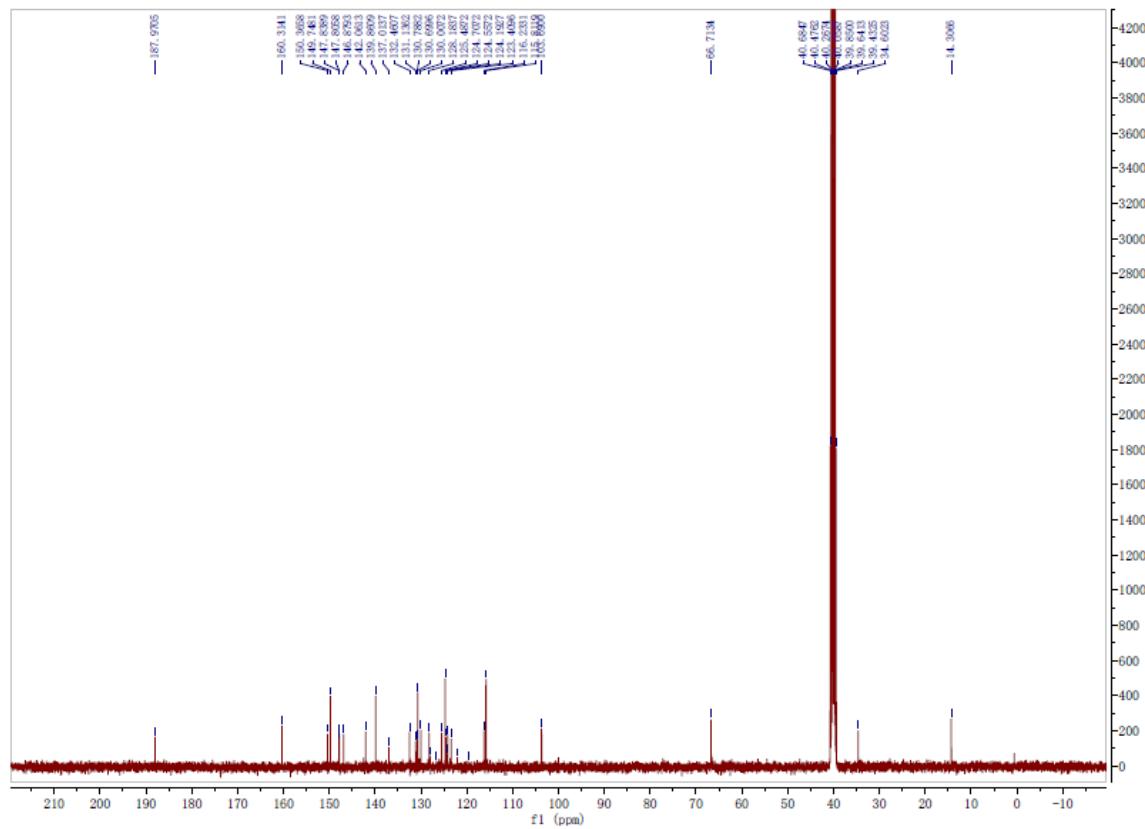
**Figure S33.** <sup>1</sup>H-NMR of compound 7q (400 MHz, CDCl<sub>3</sub>).



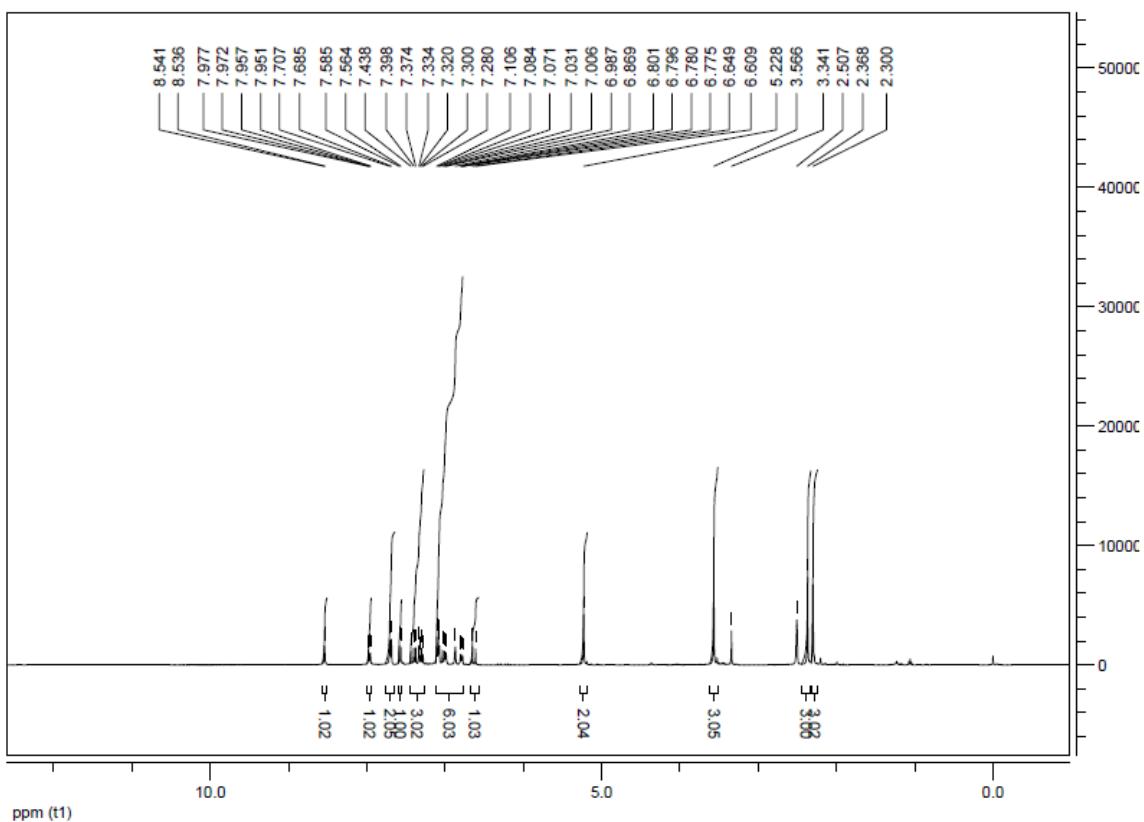
**Figure S34.** <sup>13</sup>C-NMR of compound 7q (100 MHz, DMSO-d<sub>6</sub>).



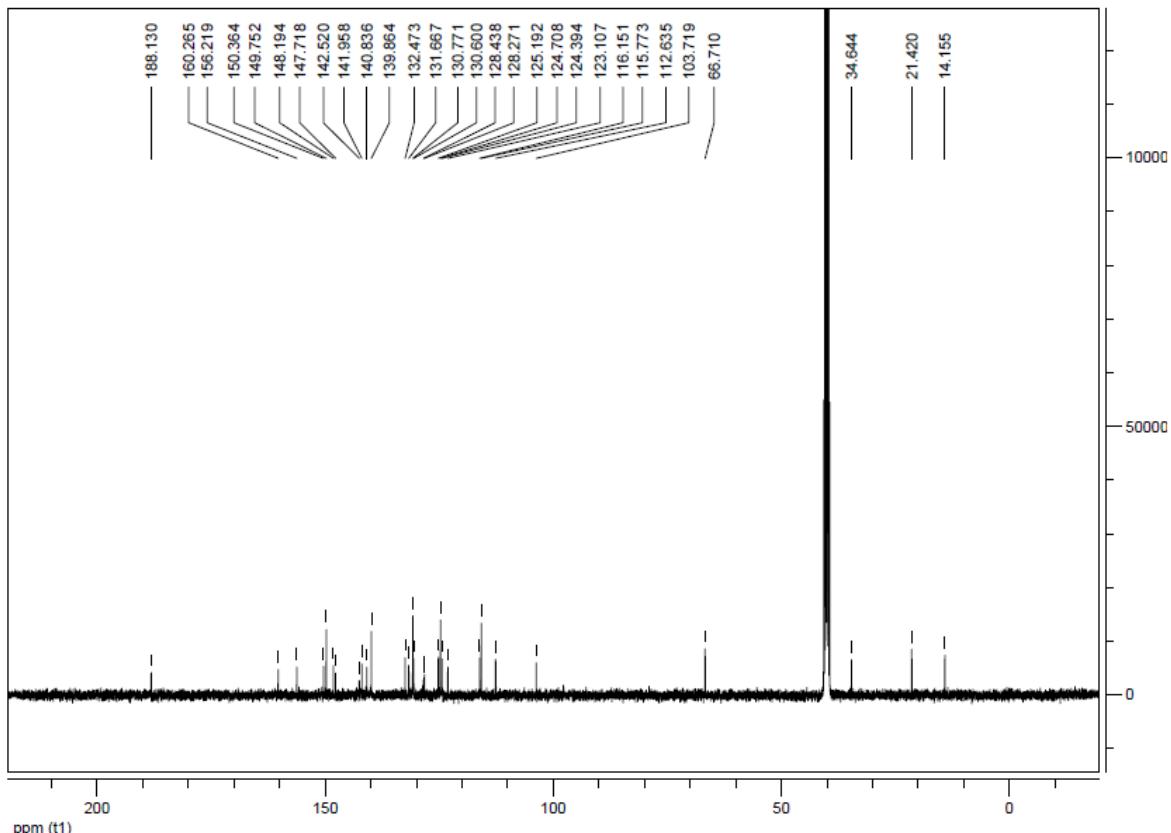
**Figure S35.** <sup>1</sup>H-NMR of compound 7r (400 MHz, DMSO-*d*<sub>6</sub>).



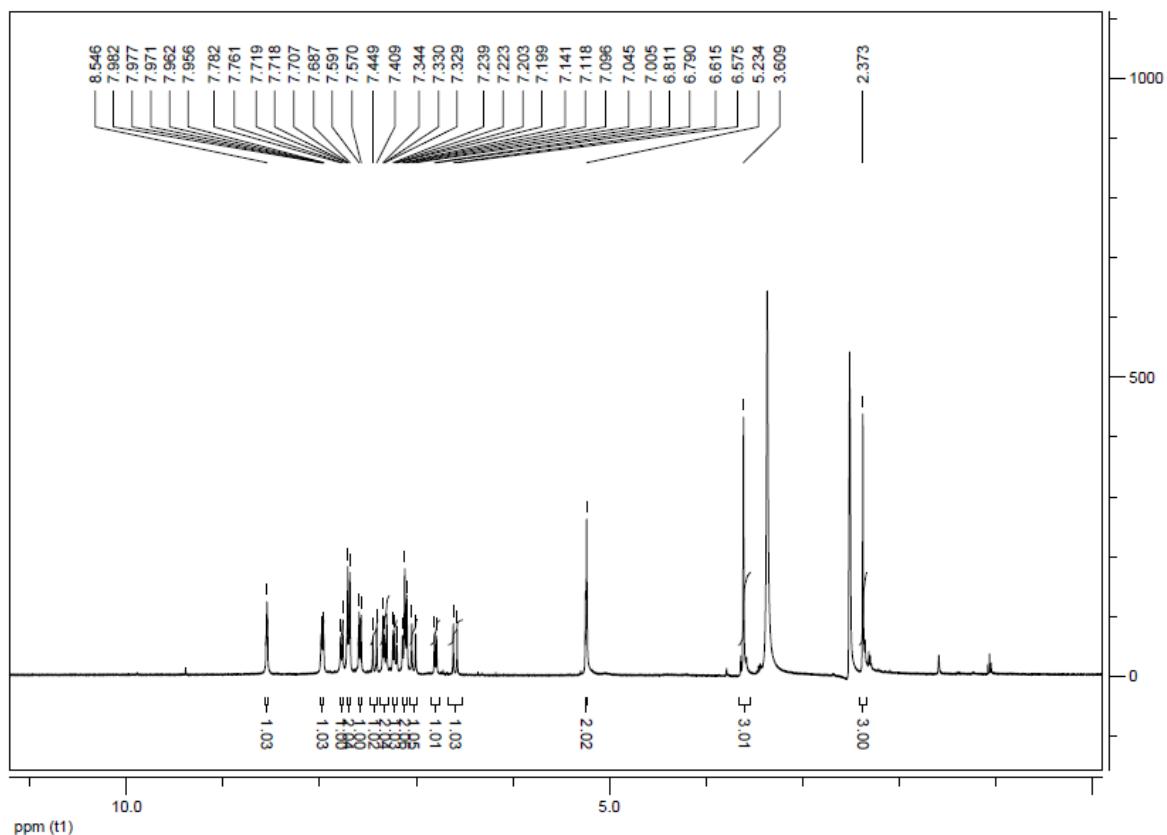
**Figure S36.** <sup>13</sup>C-NMR of compound 7r (100 MHz, DMSO-*d*<sub>6</sub>).



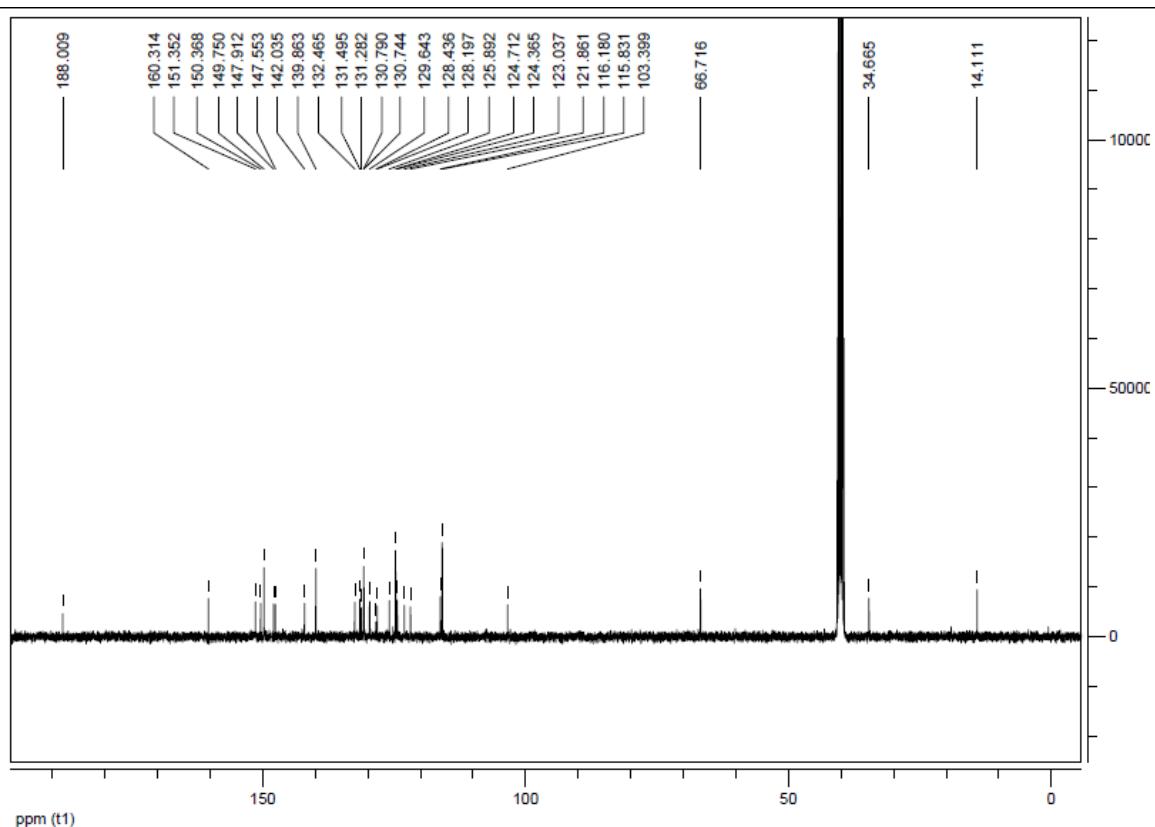
**Figure S37.**  $^1\text{H}$ -NMR of compound **7s** (400 MHz,  $\text{DMSO}-d_6$ ).



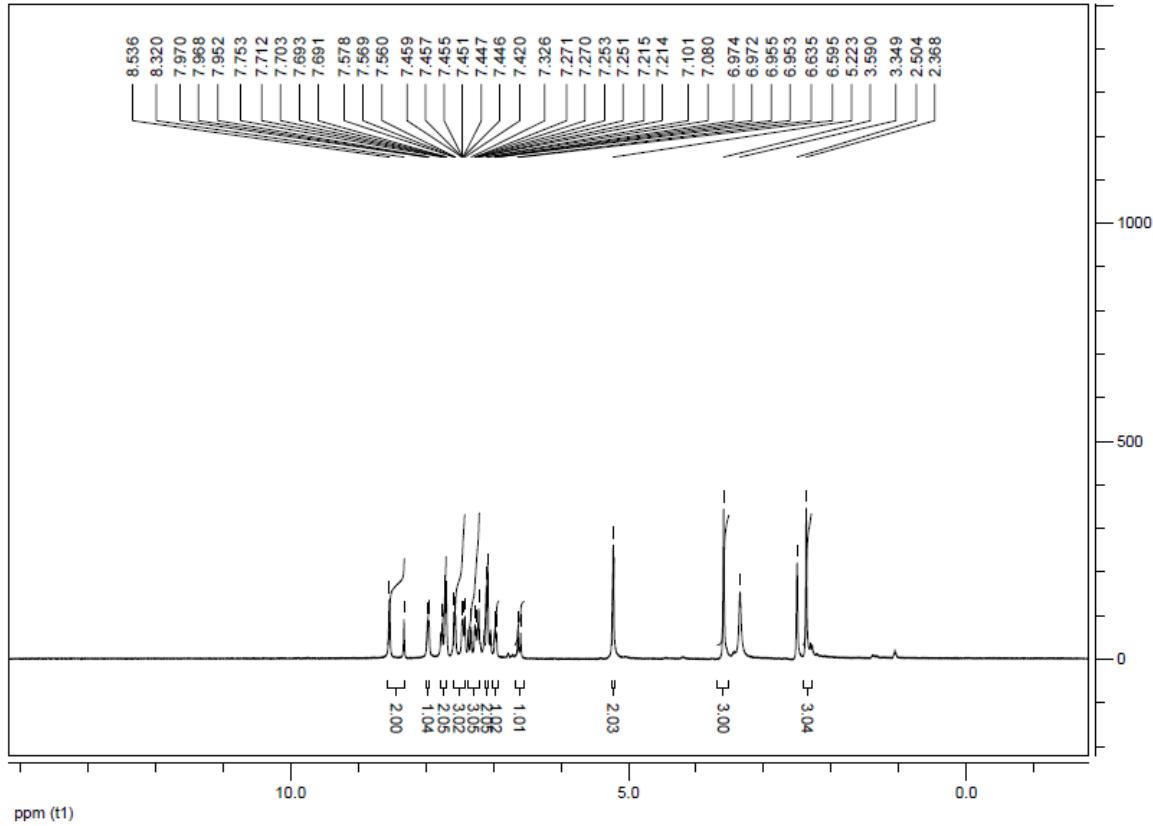
**Figure S38.**  $^{13}\text{C}$ -NMR of compound **7s** (100 MHz,  $\text{DMSO}-d_6$ ).



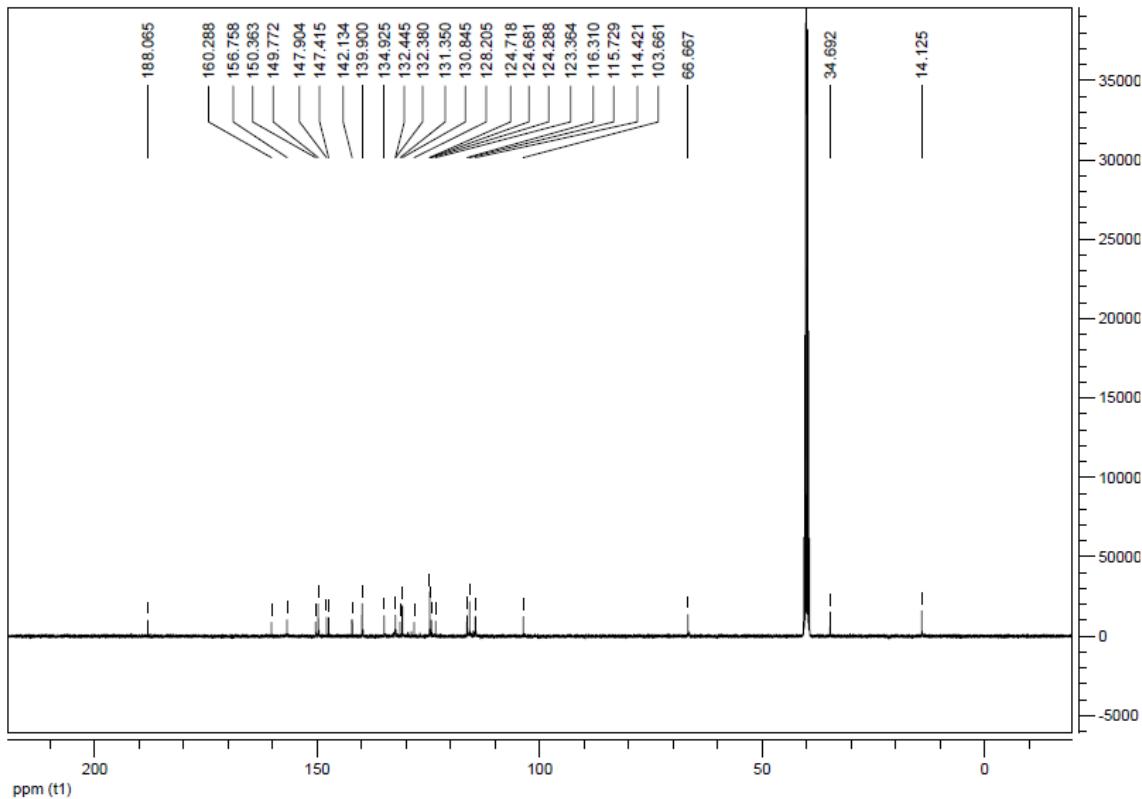
**Figure S39.** <sup>1</sup>H-NMR of compound 7t (400 MHz, DMSO-*d*<sub>6</sub>).



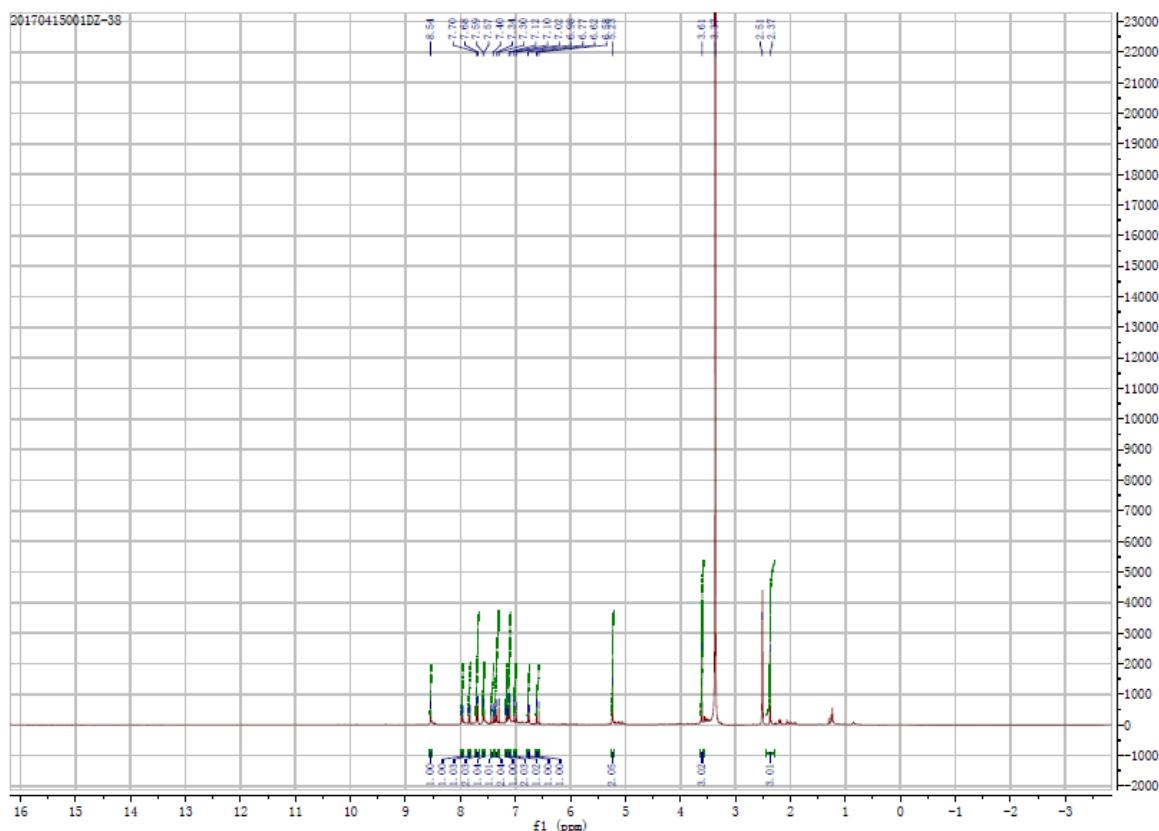
**Figure S40.** <sup>13</sup>C-NMR of compound 7t (100 MHz, DMSO-*d*<sub>6</sub>).



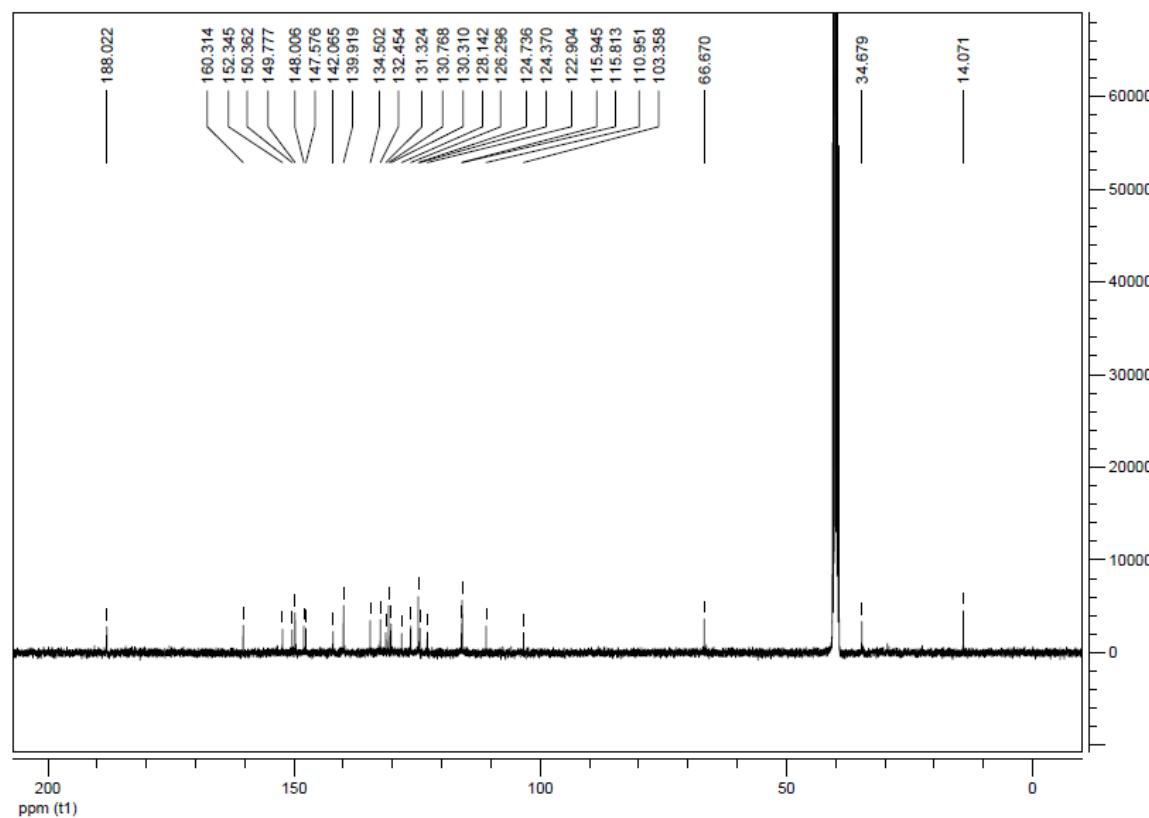
**Figure S41.** <sup>1</sup>H-NMR of compound 7u (400 MHz, DMSO-*d*<sub>6</sub>).



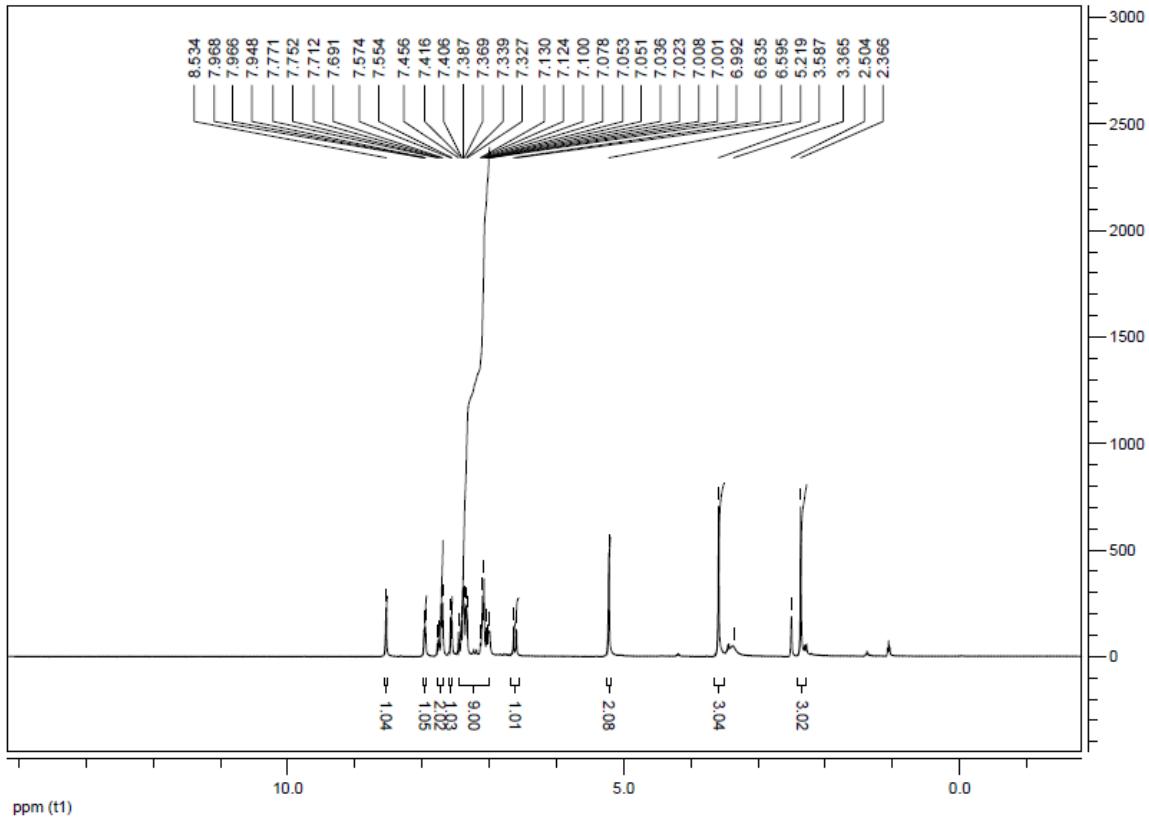
**Figure S42.** <sup>13</sup>C-NMR of compound 7u (100 MHz, DMSO-*d*<sub>6</sub>).



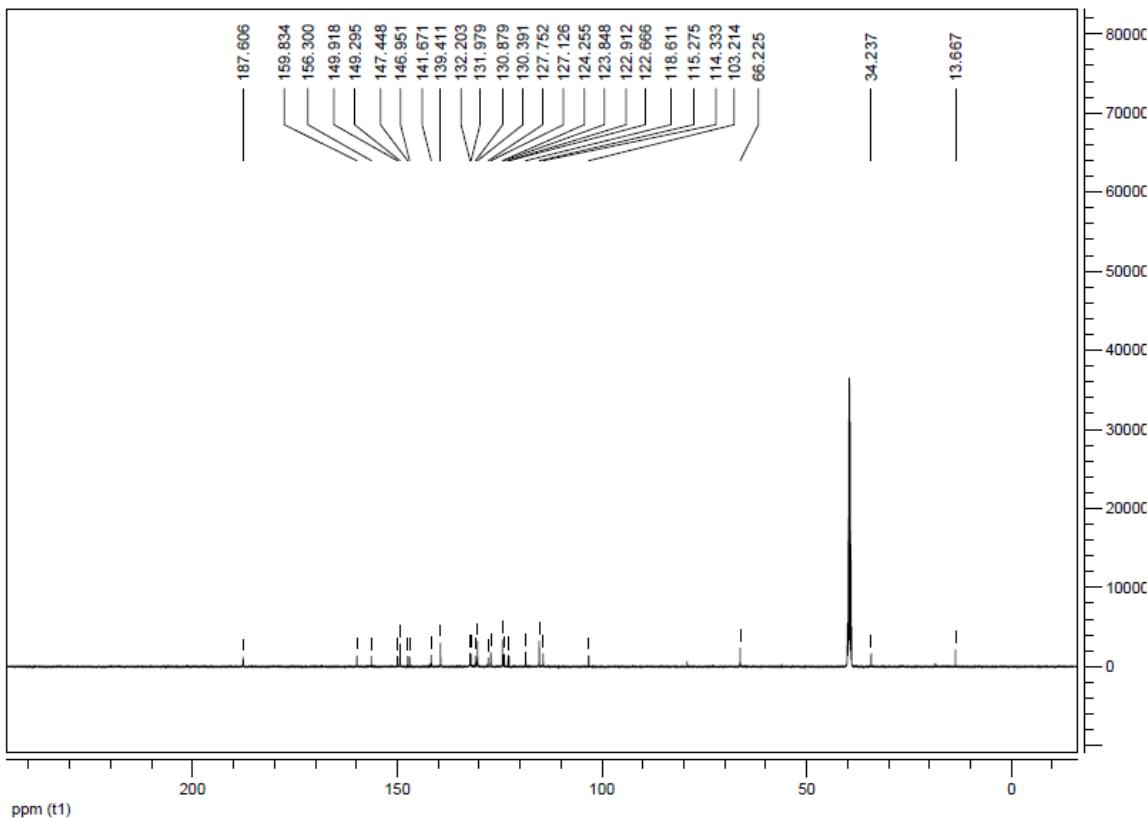
**Figure S43.** <sup>1</sup>H-NMR of compound 7v (400 MHz, DMSO-d<sub>6</sub>).



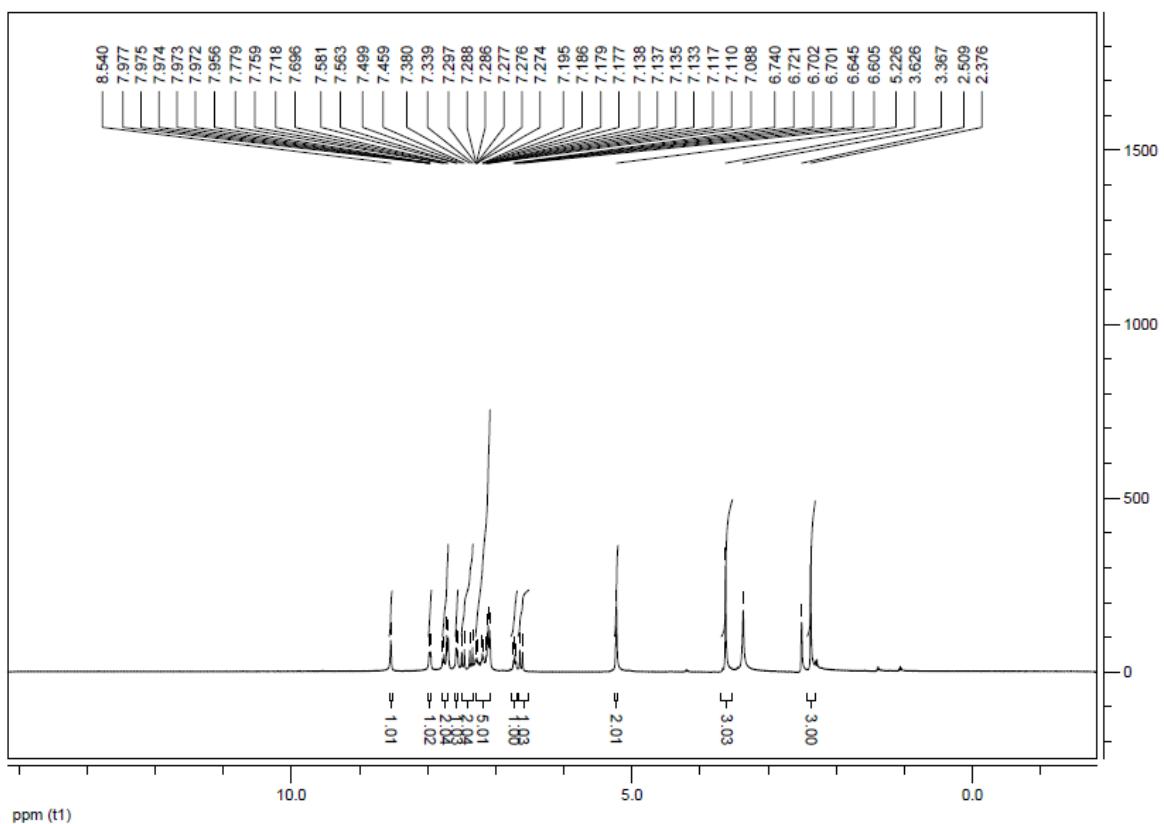
**Figure S44.** <sup>13</sup>C-NMR of compound 7v (100 MHz, DMSO-d<sub>6</sub>).



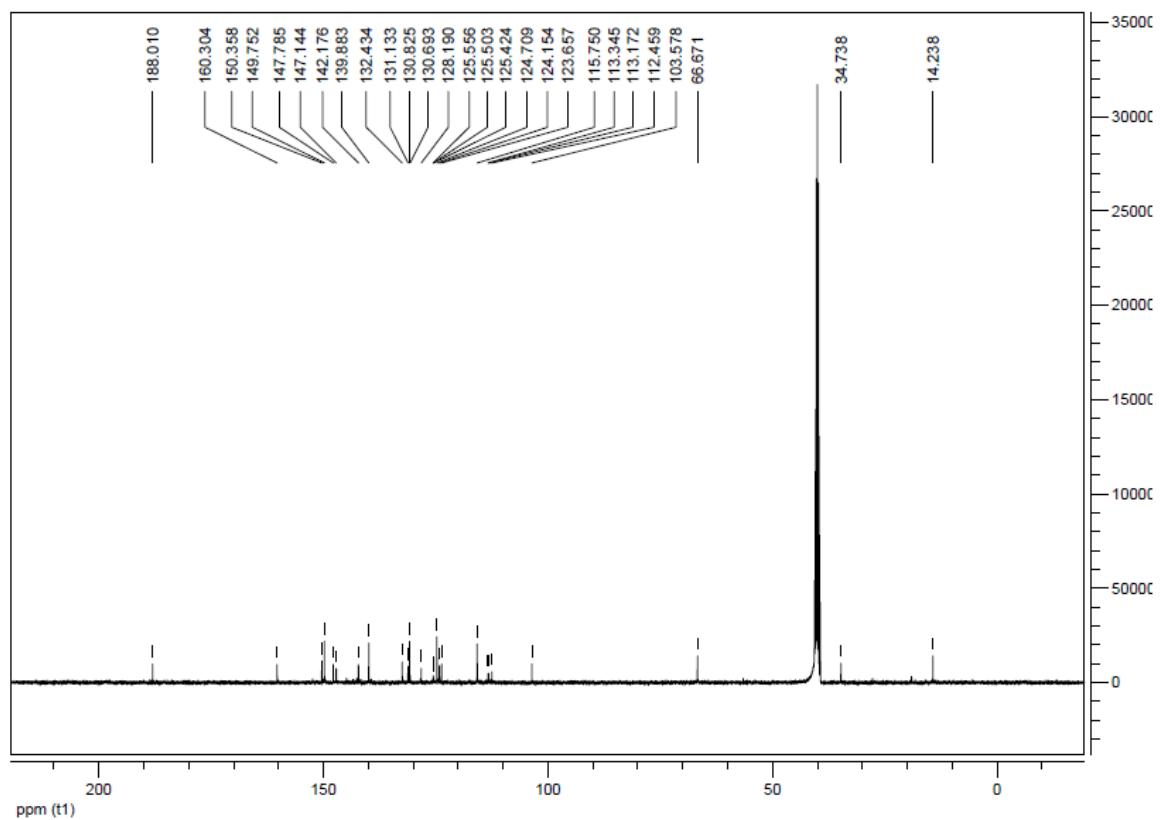
**Figure S45.** <sup>1</sup>H-NMR of compound 7w (400 MHz, DMSO-*d*<sub>6</sub>).



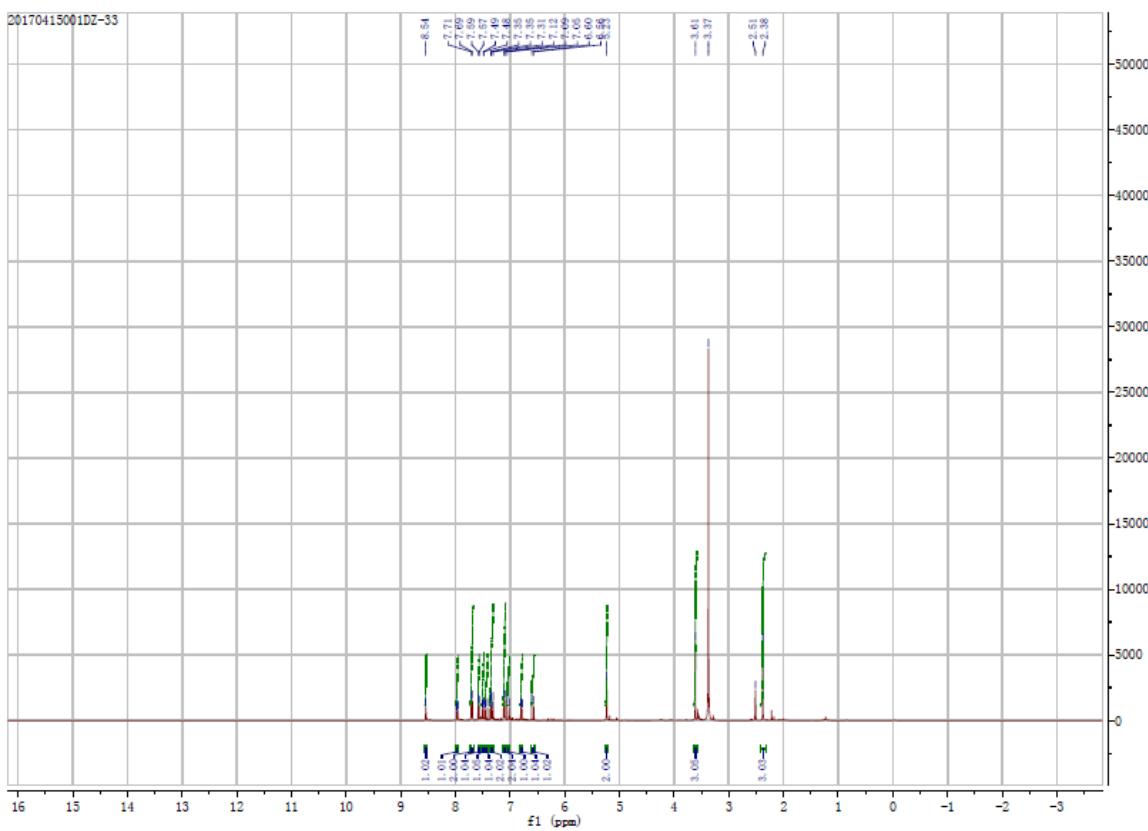
**Figure S46.** <sup>13</sup>C-NMR of compound 7w (100 MHz, DMSO-*d*<sub>6</sub>).



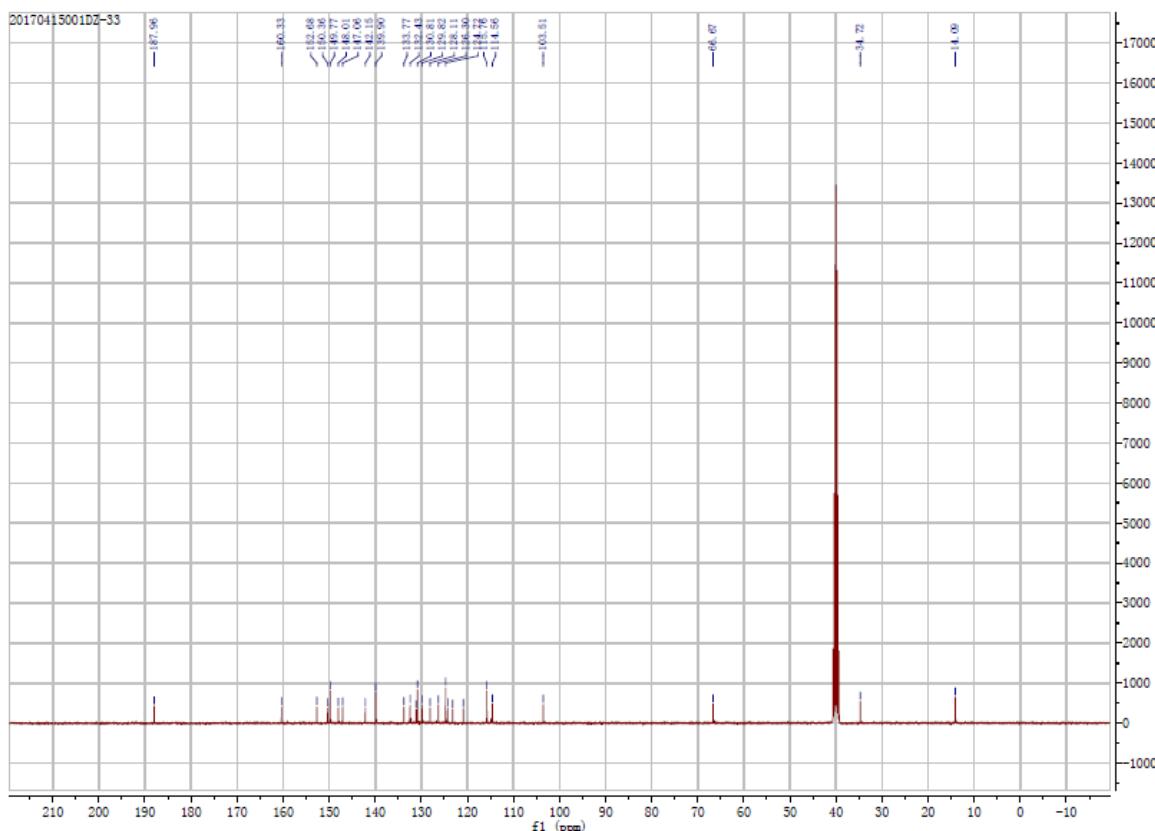
**Figure S47.**  $^1\text{H}$ -NMR of compound **7x** (400 MHz,  $\text{DMSO}-d_6$ ).



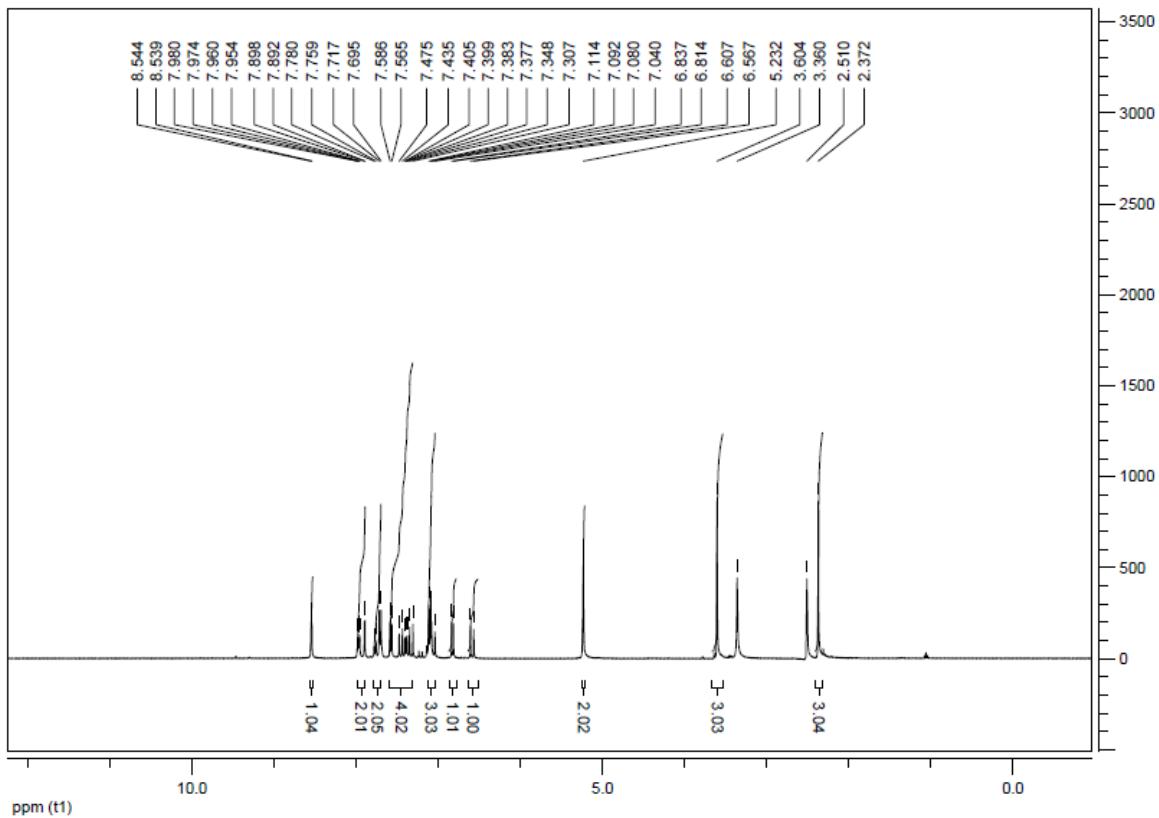
**Figure S48.**  $^{13}\text{C}$ -NMR of compound **7x** (100 MHz,  $\text{DMSO}-d_6$ ).



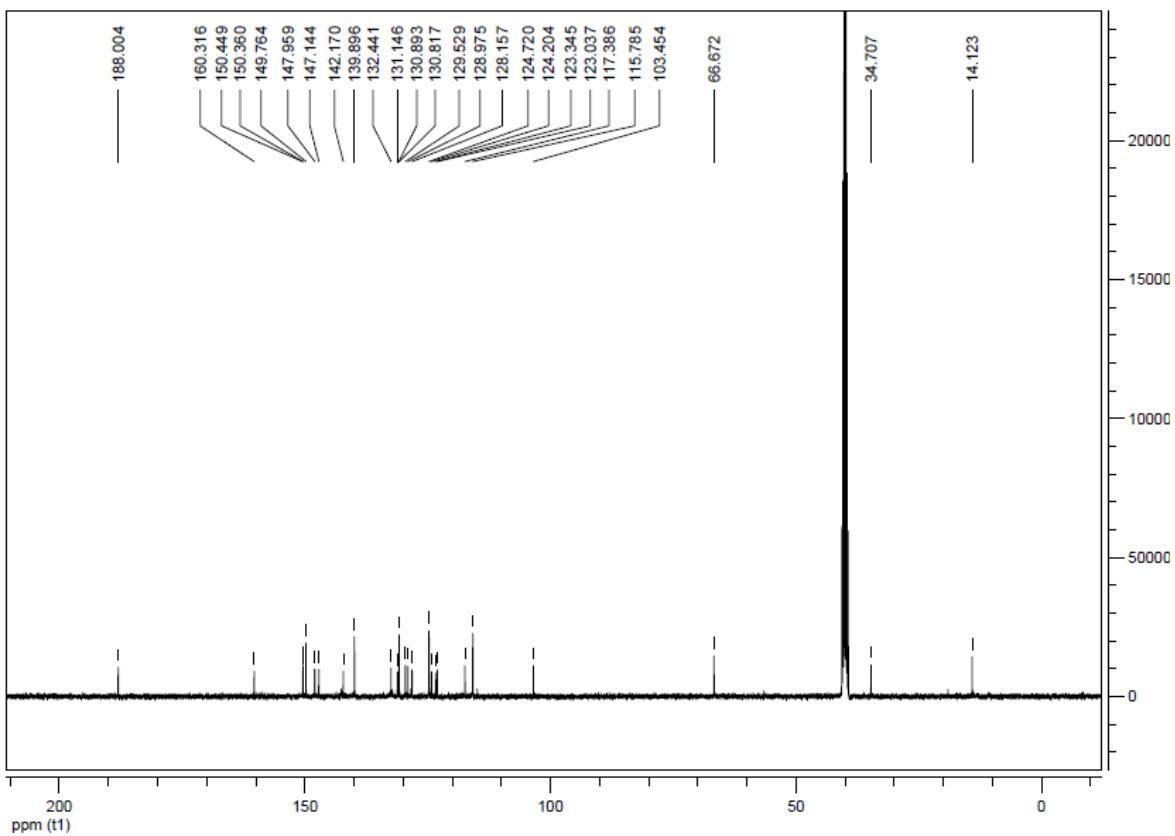
**Figure S49.**  $^1\text{H}$ -NMR of compound 7y (400 MHz,  $\text{DMSO}-d_6$ ).



**Figure S50.**  $^{13}\text{C}$ -NMR of compound **7y** (100 MHz,  $\text{DMSO}-d_6$ ).



**Figure S51.** <sup>1</sup>H-NMR of compound 7z (400 MHz, DMSO-*d*<sub>6</sub>).



**Figure S52.** <sup>1</sup>H-NMR of compound 7z (400 MHz, DMSO-*d*<sub>6</sub>).