

## **Antiproliferative Activity of New Pentacyclic Triterpene and a Saponin from *Gladiolus Segetum* Ker-Gawl Corms supported by Molecular Docking Study**

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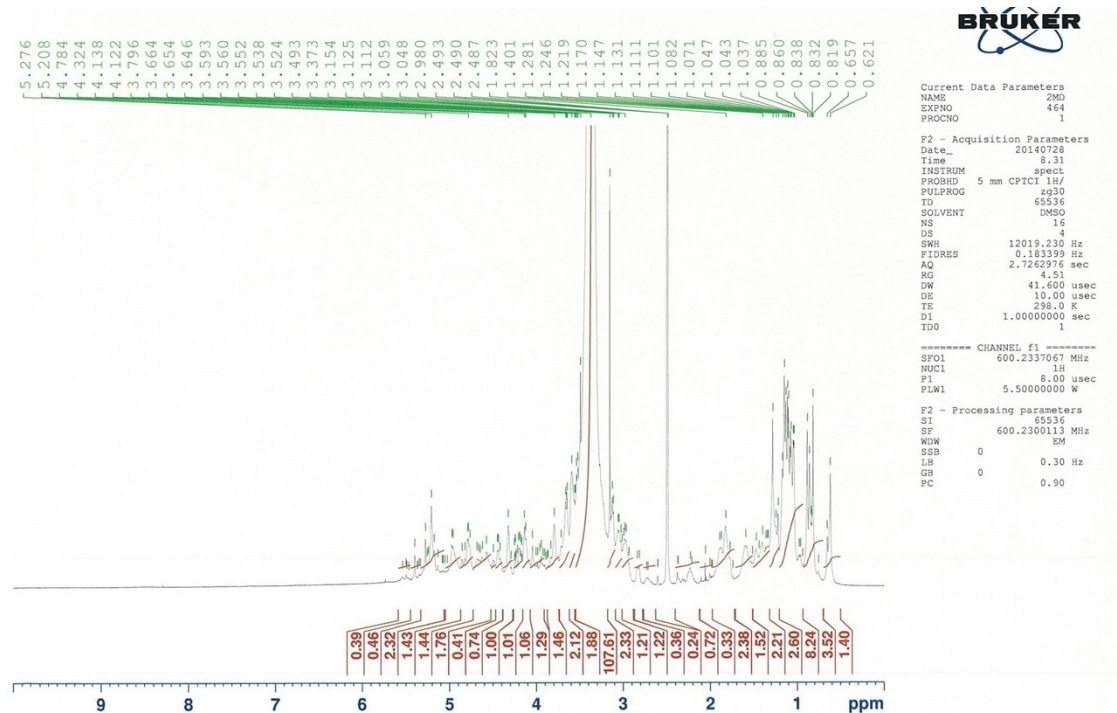


Fig. 1S.  $^1\text{H}$ -NMR spectrum of compound 1 (600 MHz,  $\text{DMSO-}d_6$ )

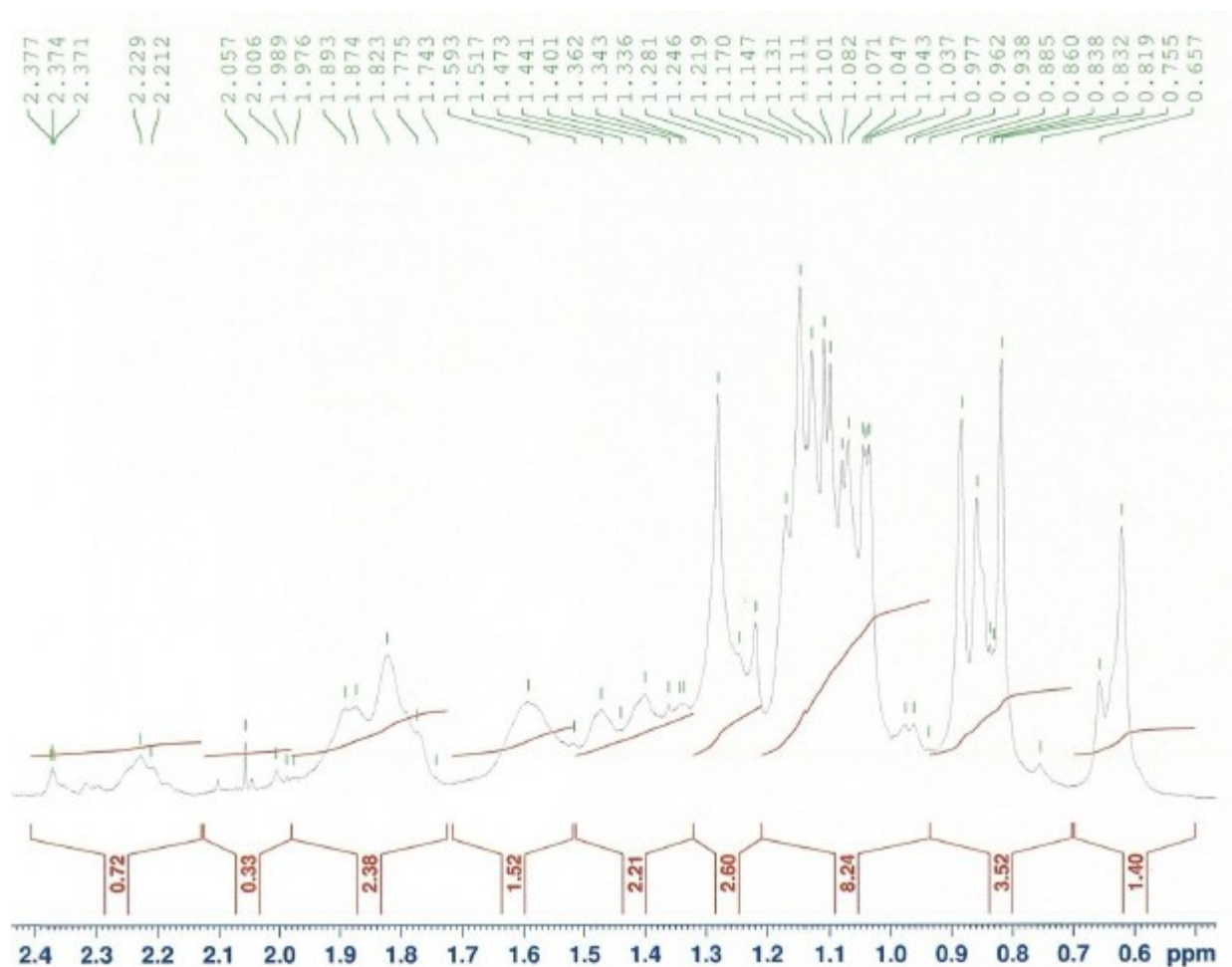


Fig. 2S. Expanded  $^1\text{H}$ -NMR spectrum of compound 1 (600 MHz,  $\text{DMSO-}d_6$ )

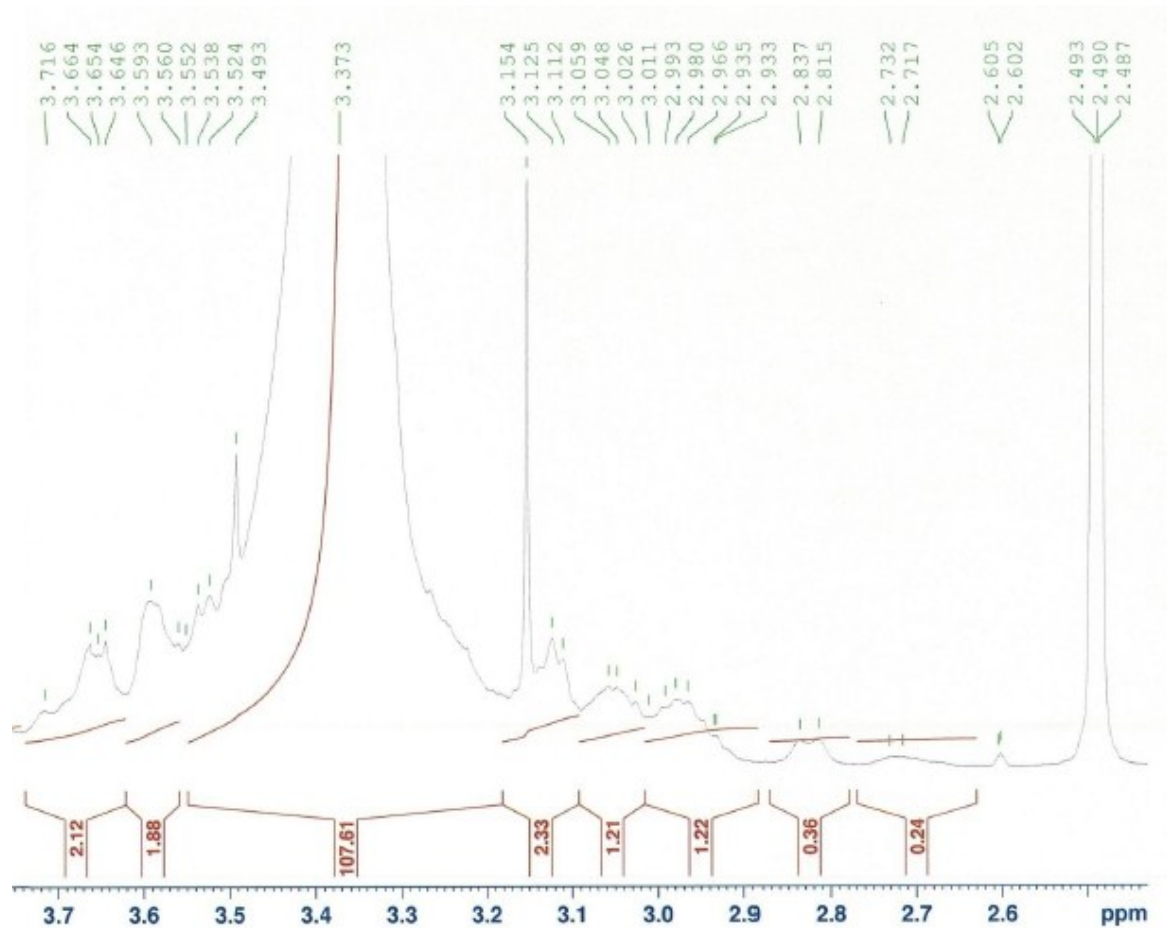


Fig. 3S. Expanded  $^1\text{H-NMR}$  spectrum of compound 1 (600 MHz,  $\text{DMSO-}d_6$ )

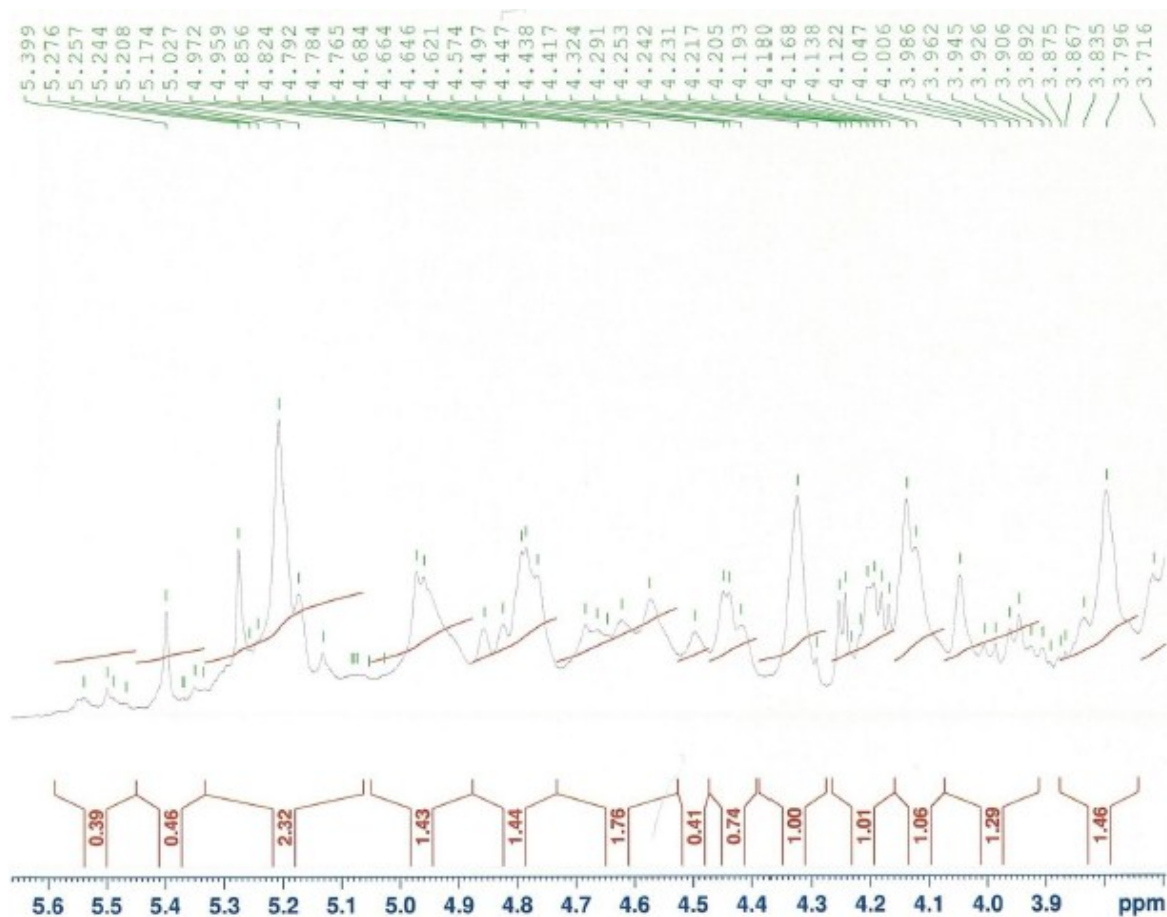


Fig. 4S. Expanded  $^1\text{H-NMR}$  spectrum of compound 1 (600 MHz,  $\text{DMSO-}d_6$ )

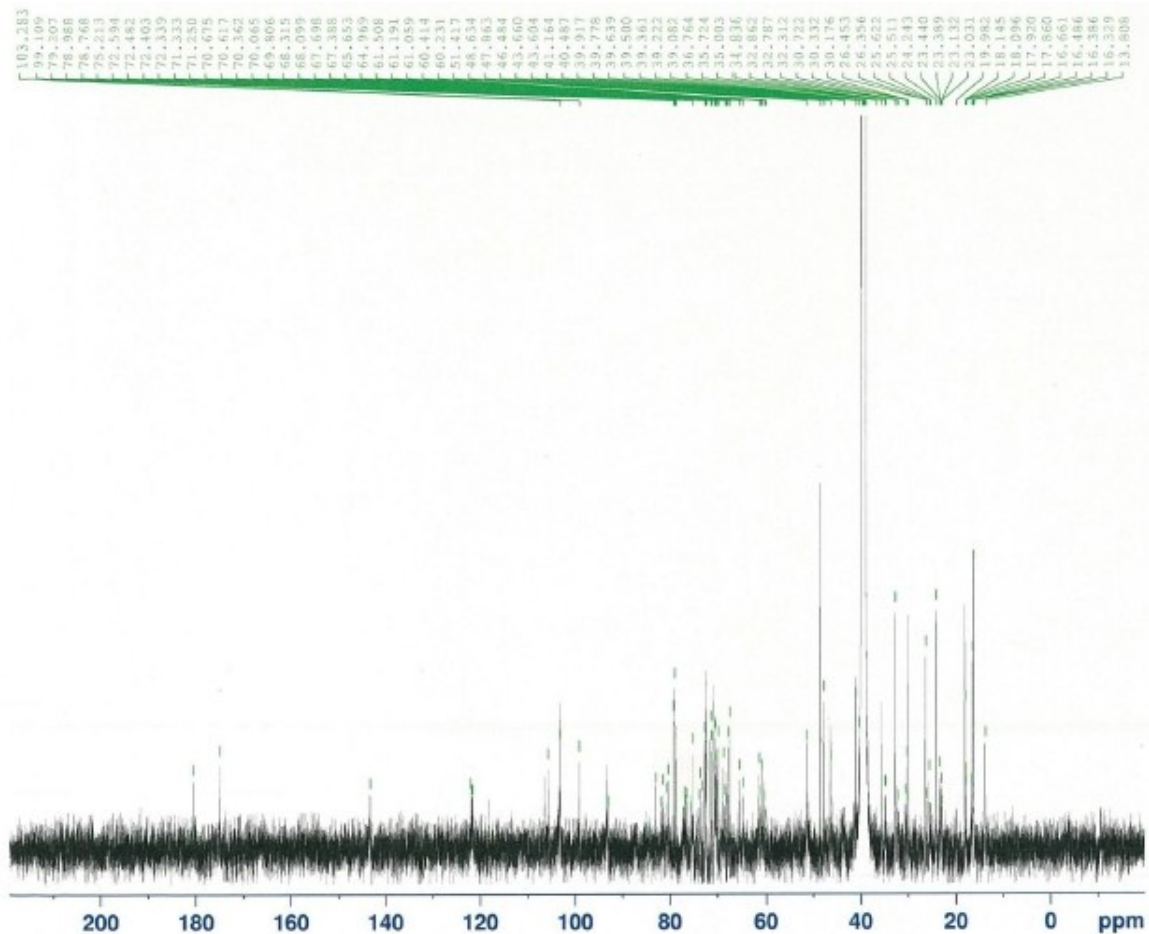


Fig. 5S.  $^{13}\text{C}$ -NMR spectrum of compound 1 (150 MHz,  $\text{DMSO-}d_6$ )

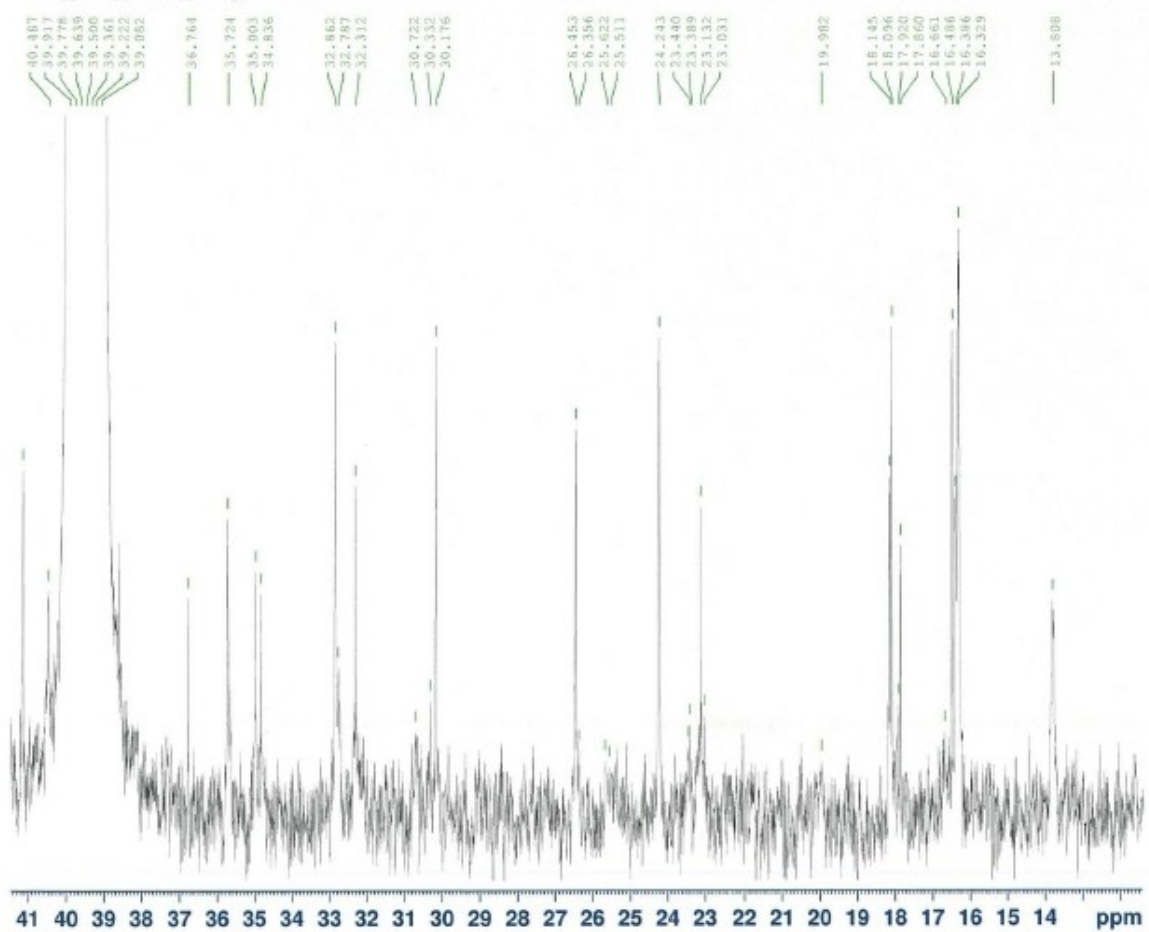


Fig. 6S. Expanded  $^{13}\text{C}$ -NMR spectrum of compound 1 (150 MHz,  $\text{DMSO-}d_6$ )

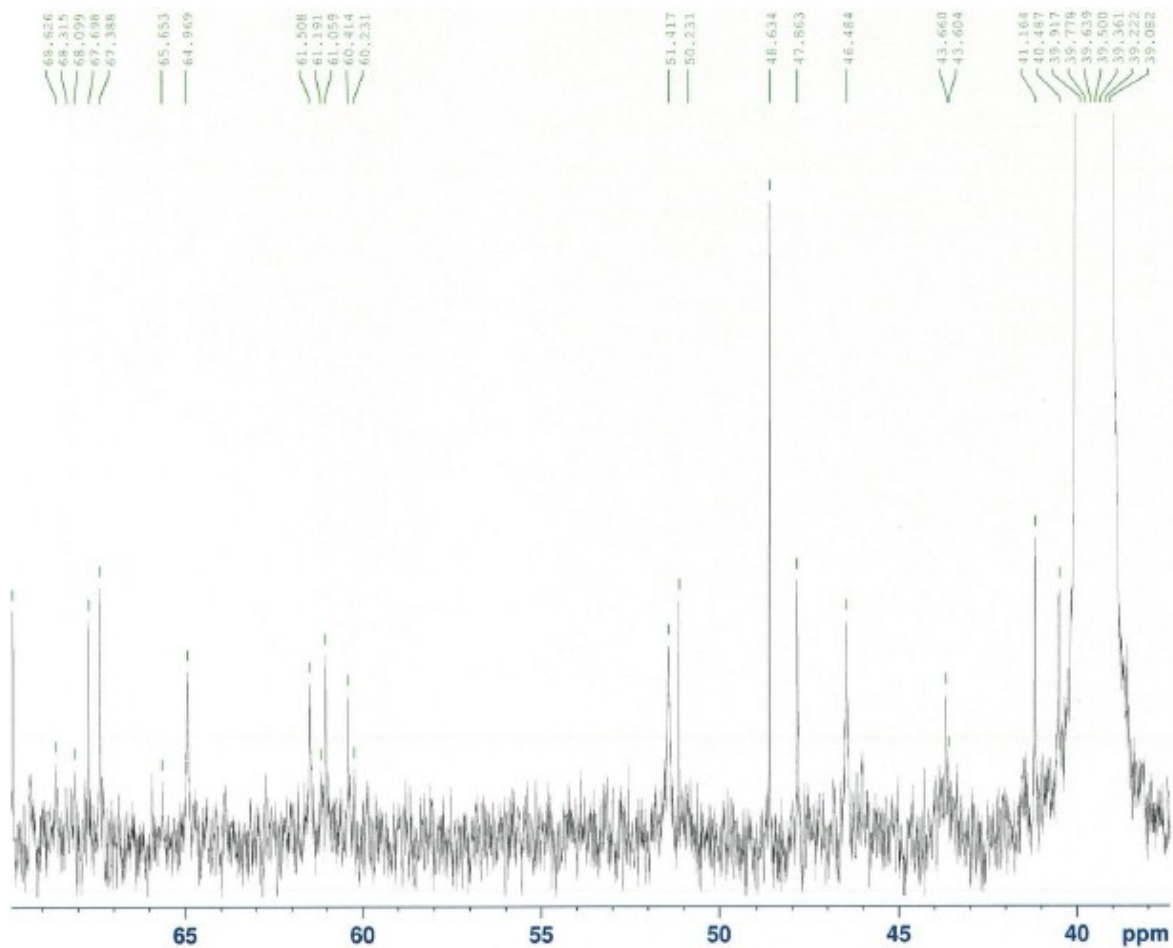


Fig. 7S. Expanded  $^{13}\text{C}$ -NMR spectrum of compound 1 (150 MHz,  $\text{DMSO-}d_6$ )

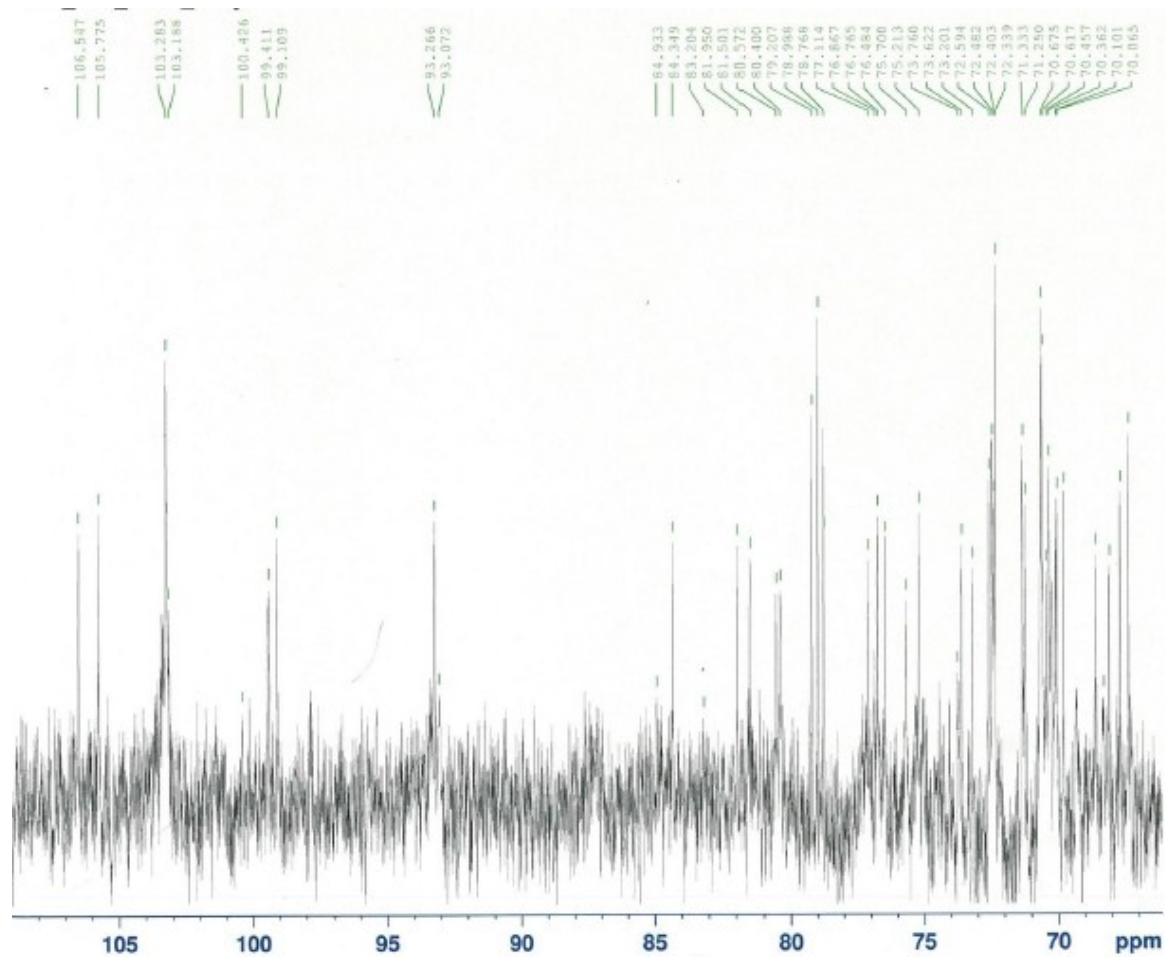


Fig. 8S. Expanded  $^{13}\text{C}$ -NMR spectrum of compound 1 (150 MHz,  $\text{DMSO-}d_6$ )

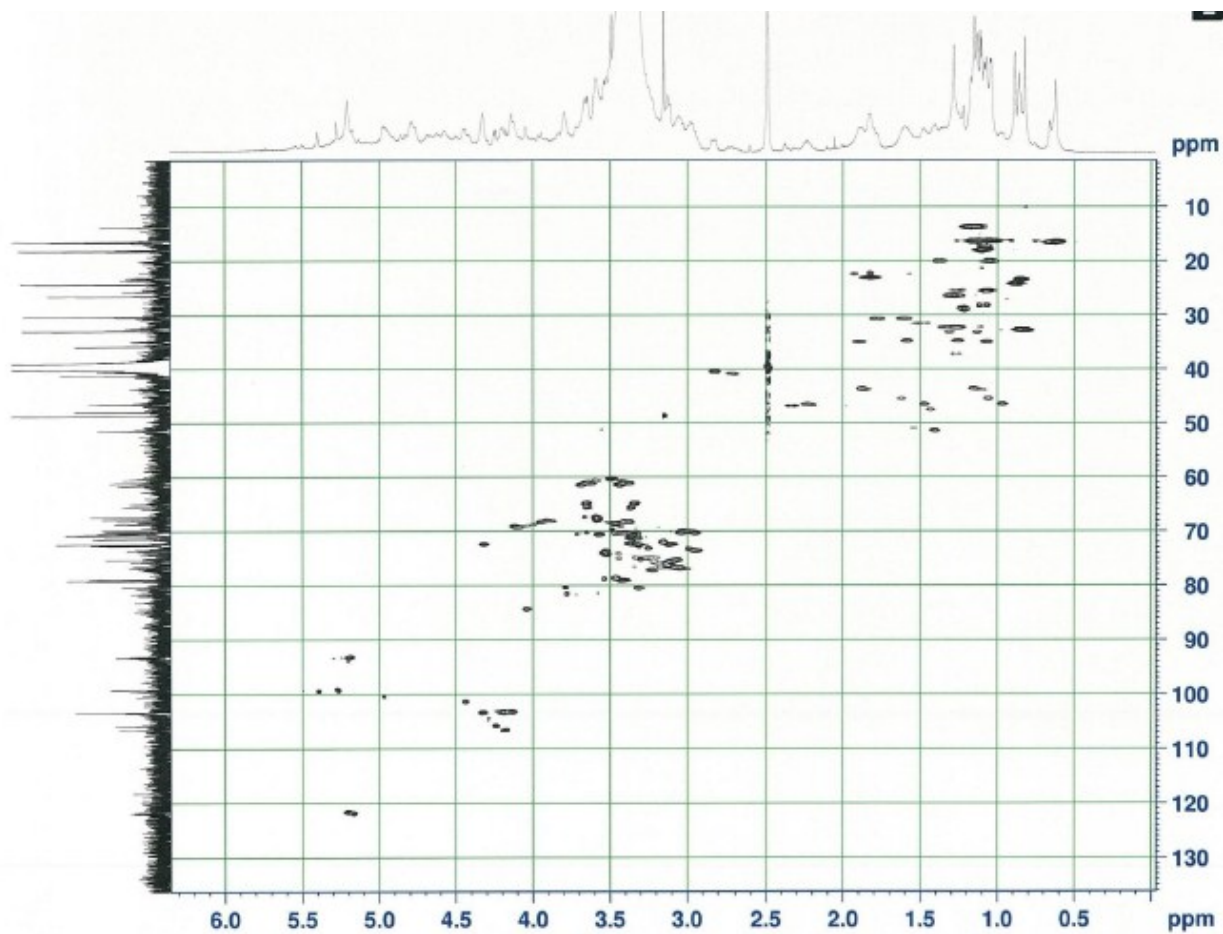


Fig. 9S. HSQC spectrum of compound 1

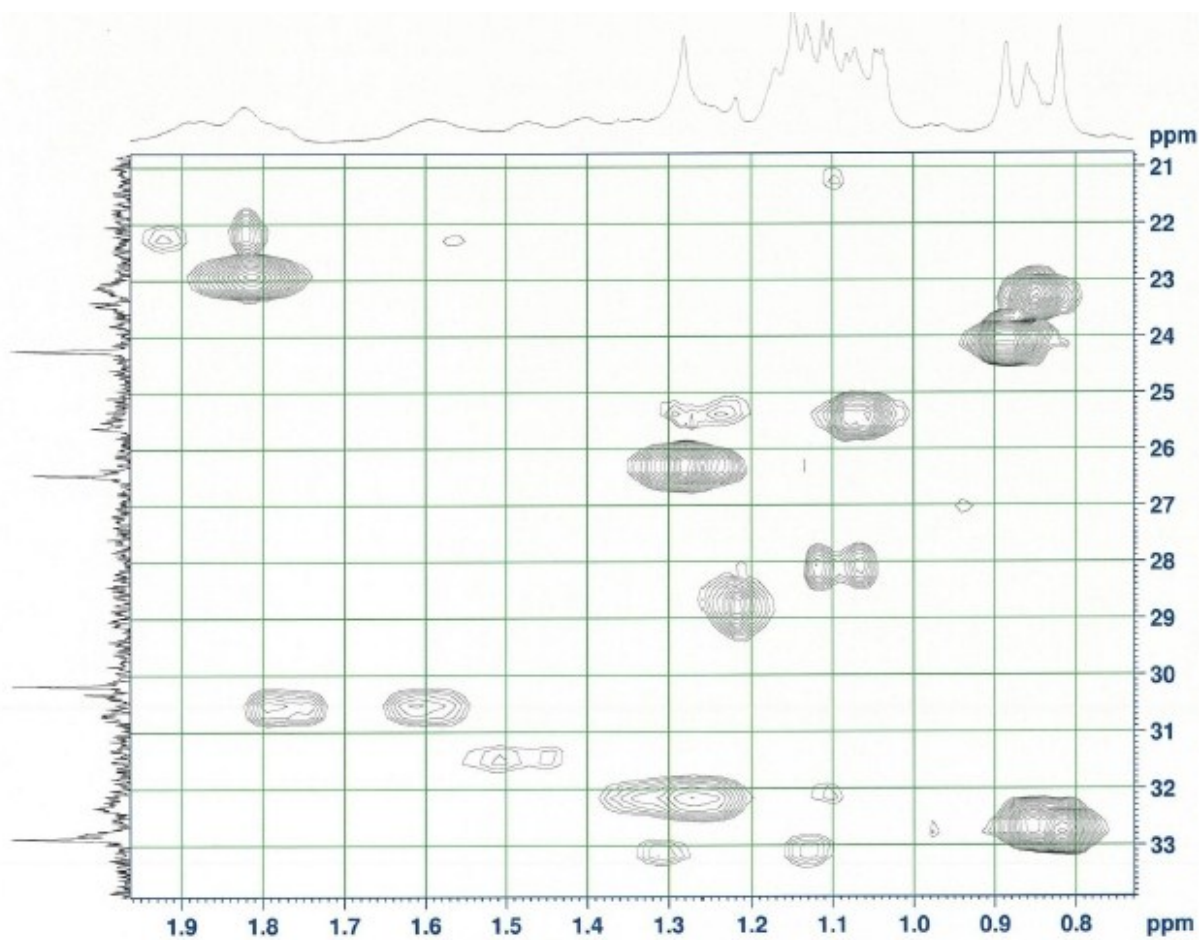
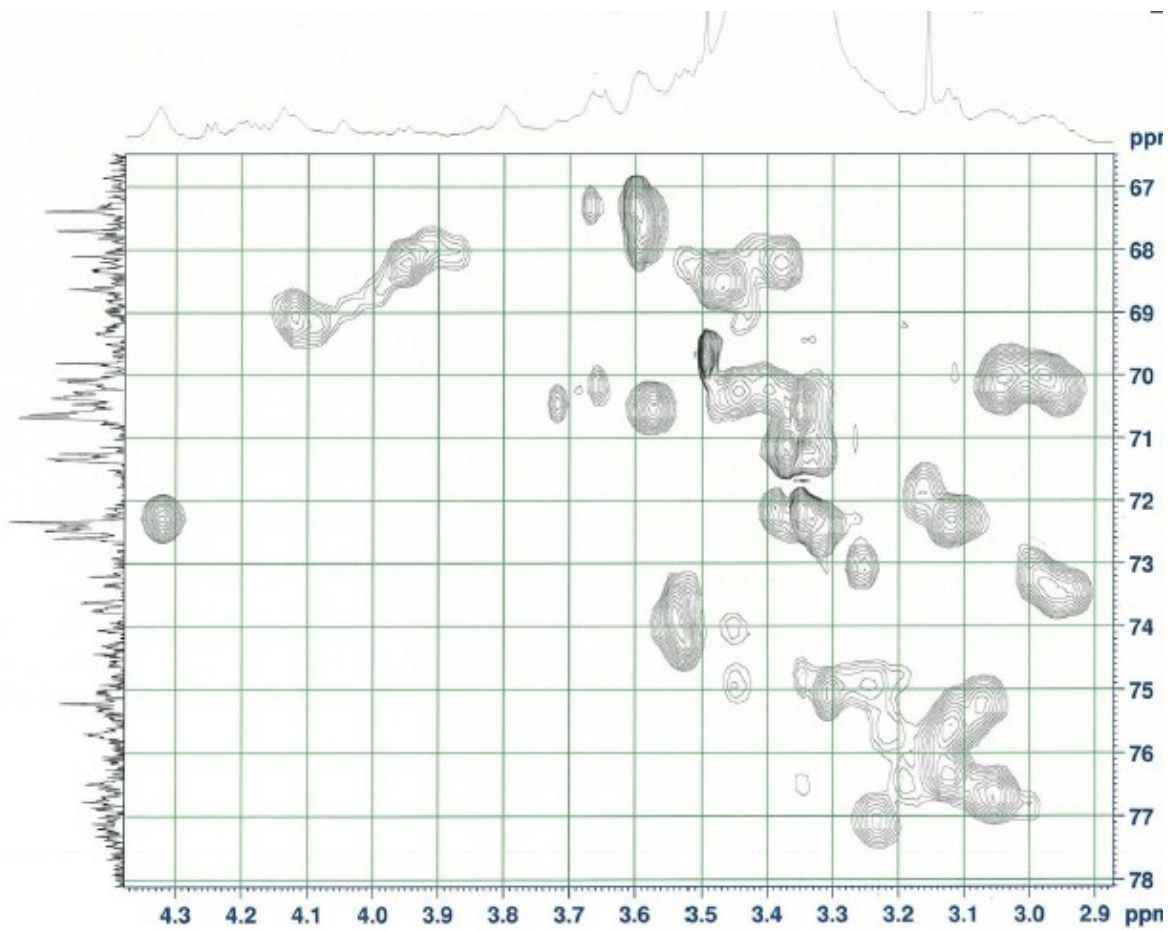
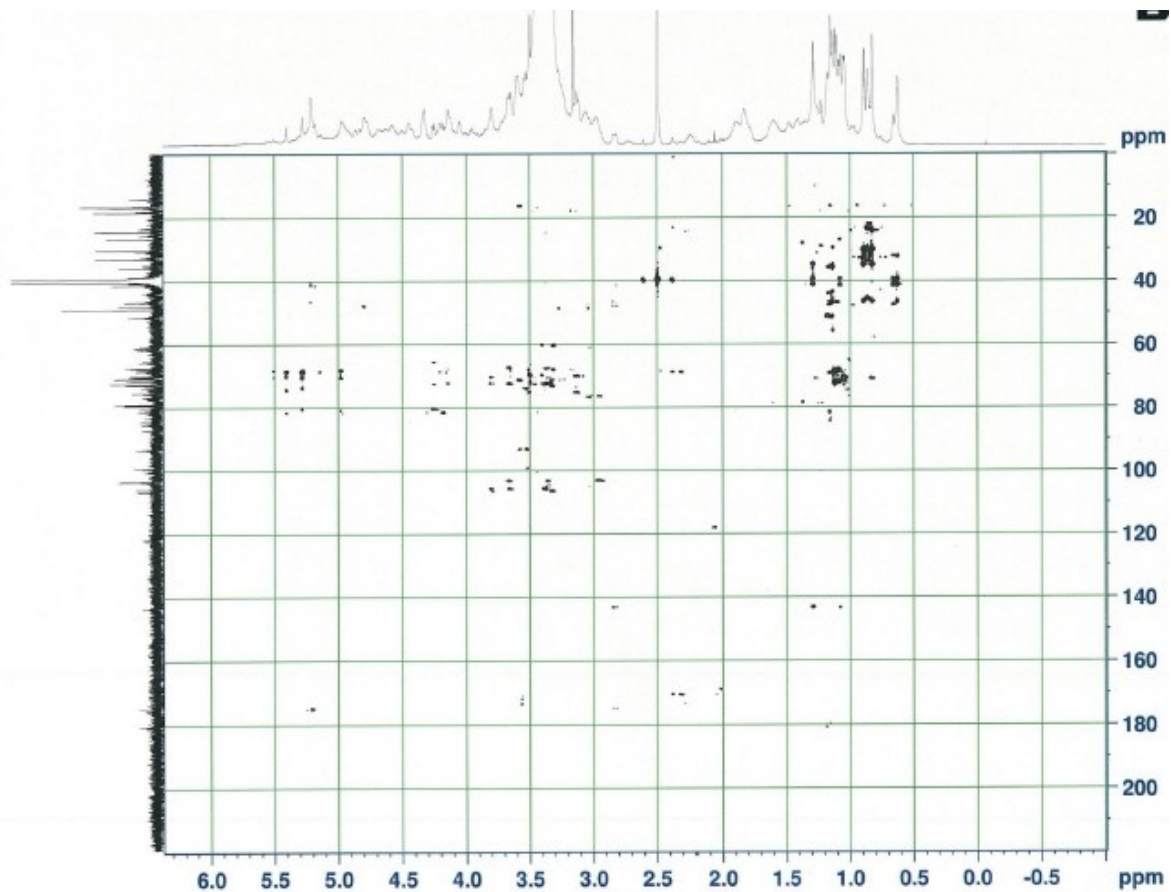


Fig. 10S. Expanded HSQC spectrum of compound 1



**Fig. 11S. Expanded HSQC spectrum of compound 1**



**Fig. 12S. HMBC spectrum of compound 1**

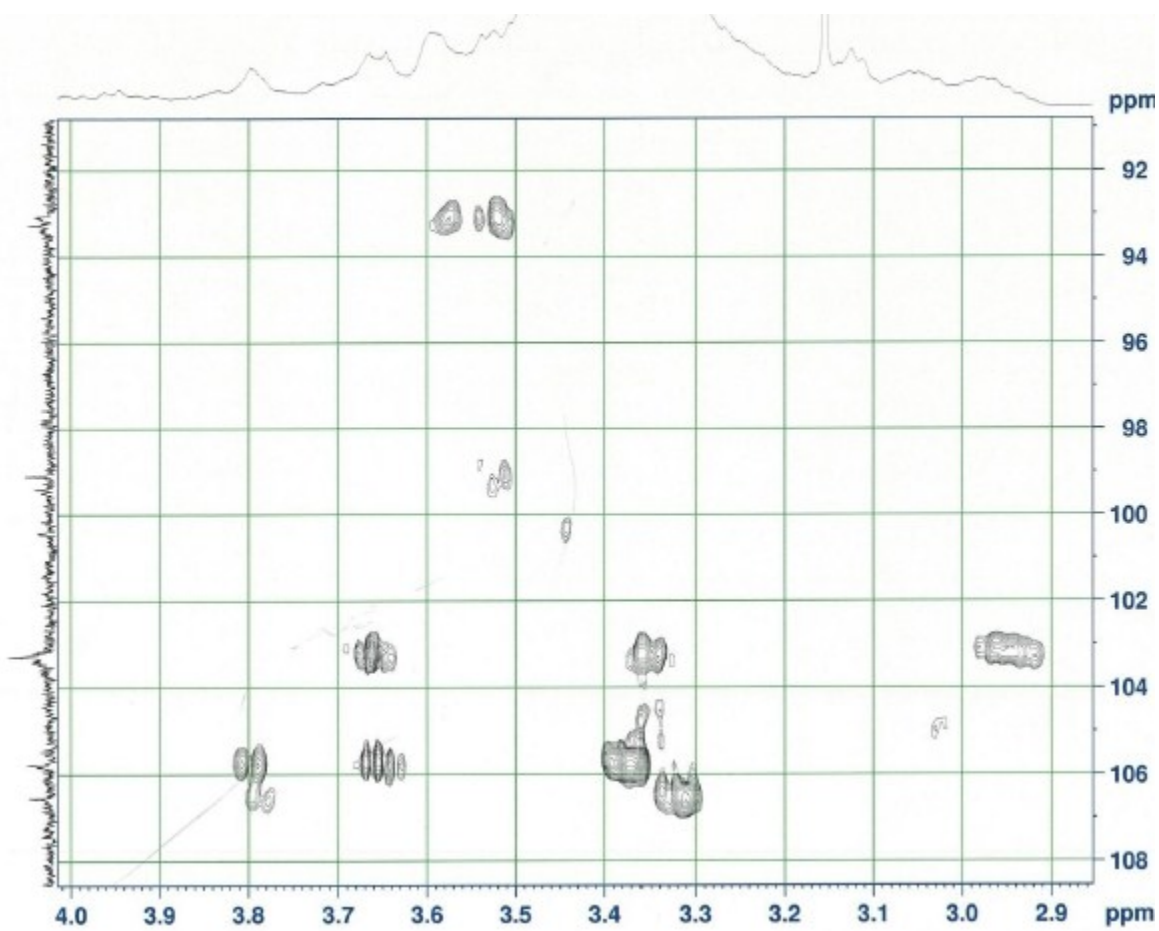


Fig. 13S. Expanded HMBC spectrum of compound 1

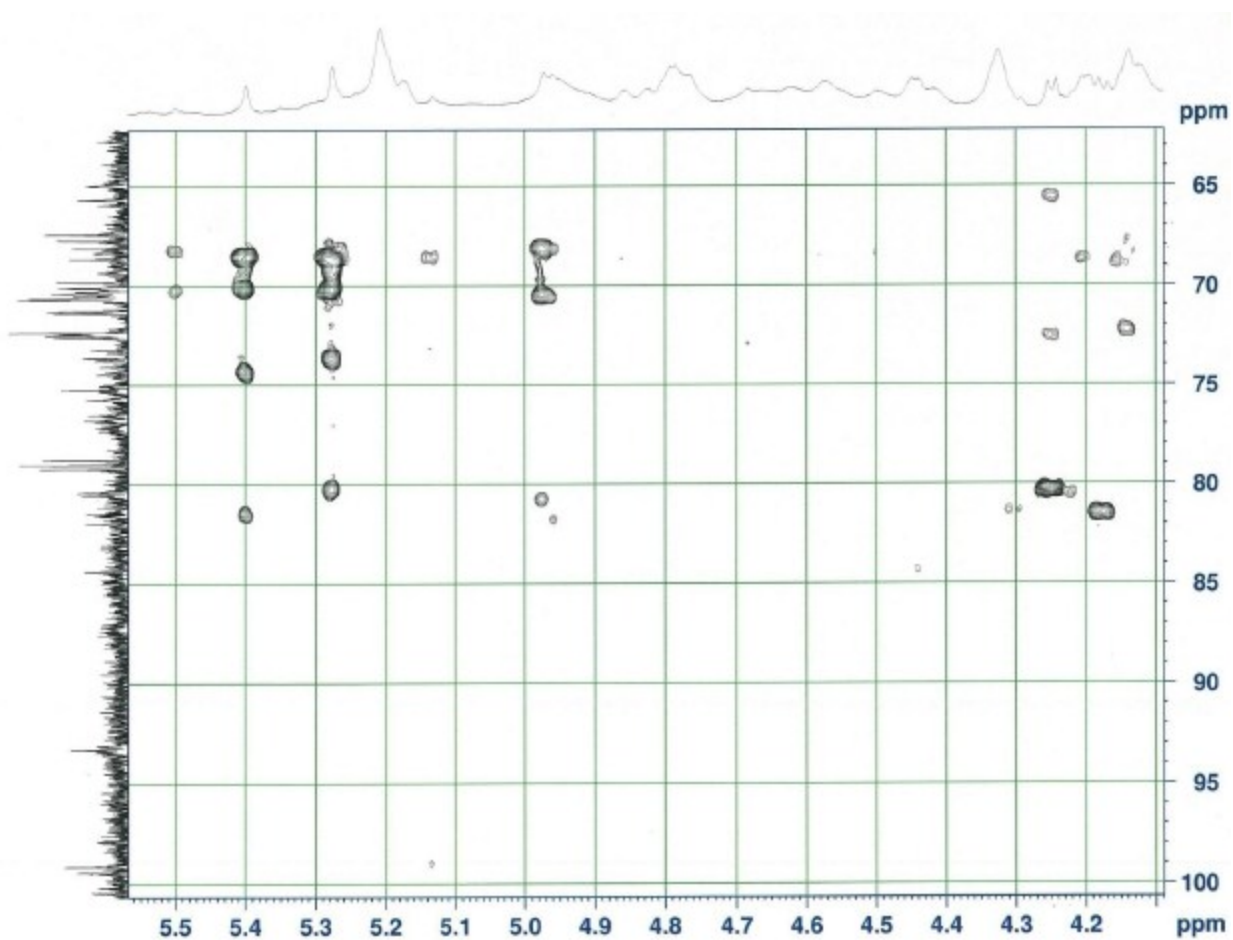


Fig. 14S. Expanded HMBC spectrum of compound 1



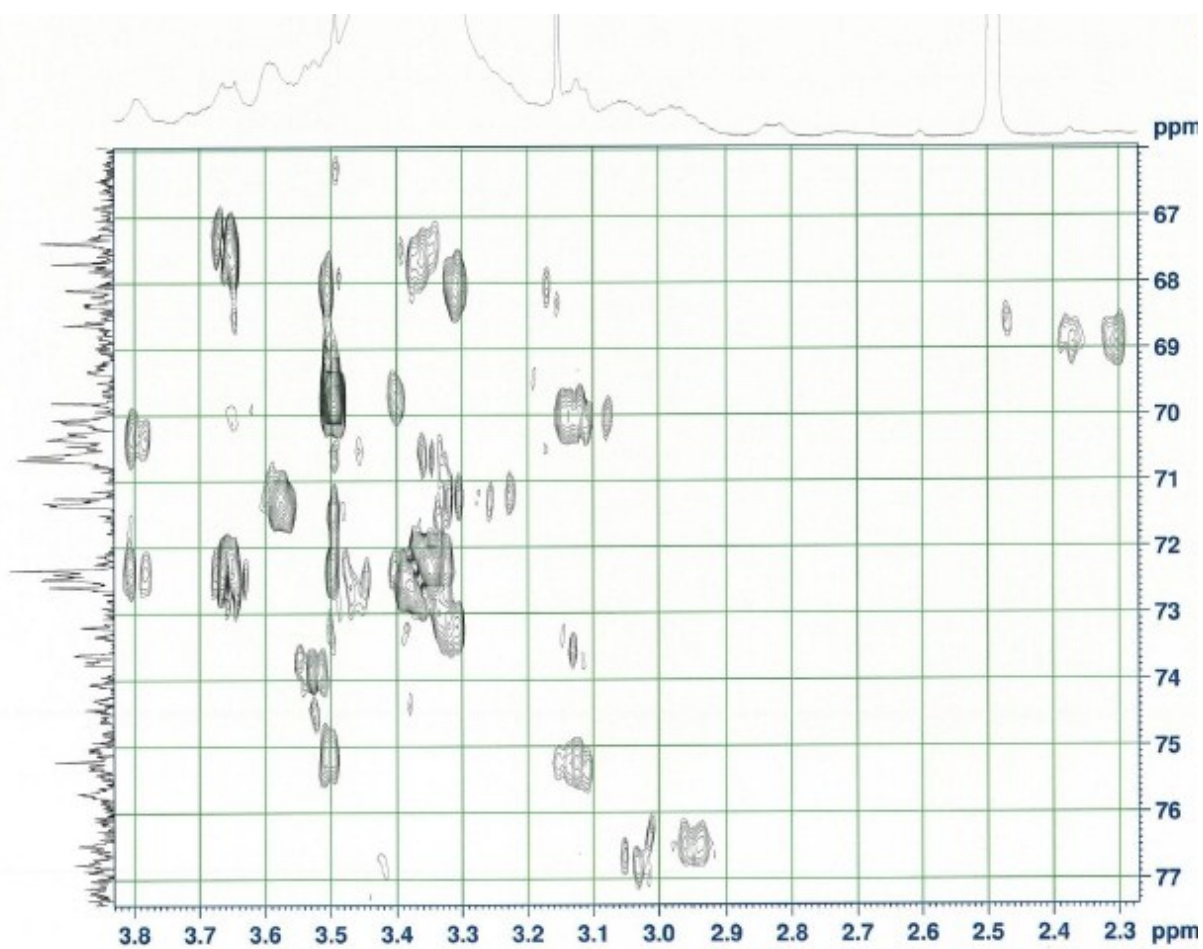


Fig. 15S. Expanded HMBC spectrum of compound 1

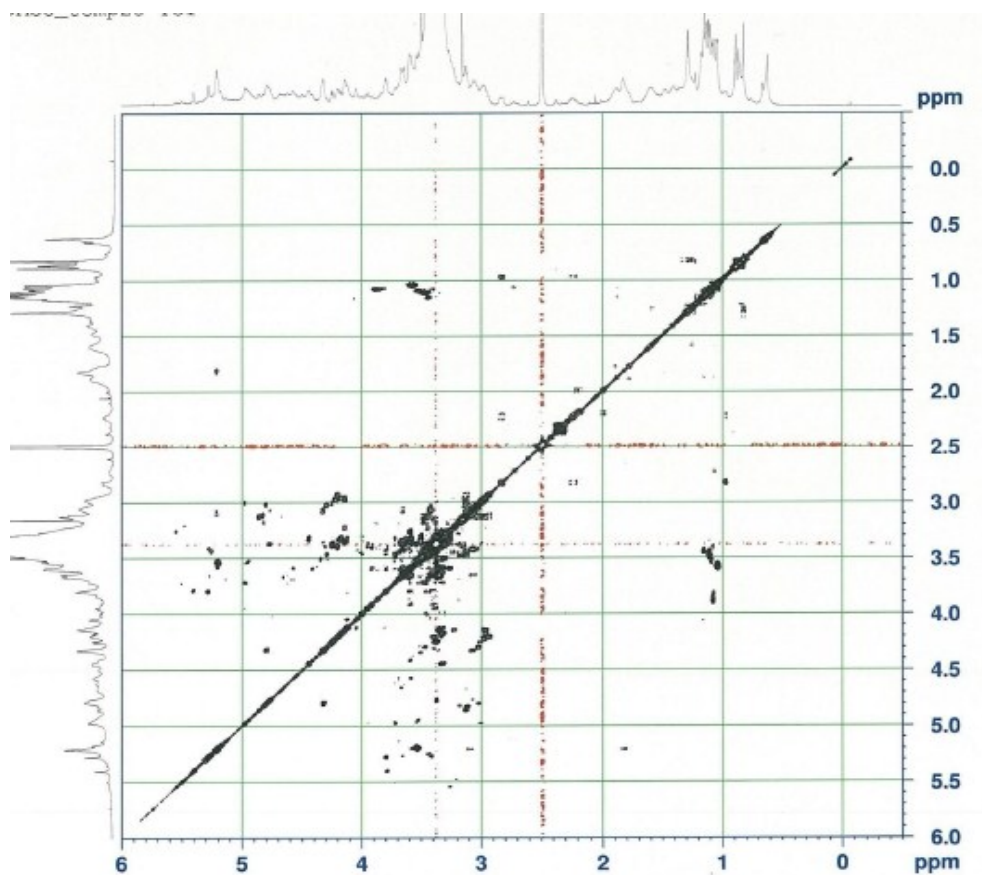


Fig. 16S.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound 1

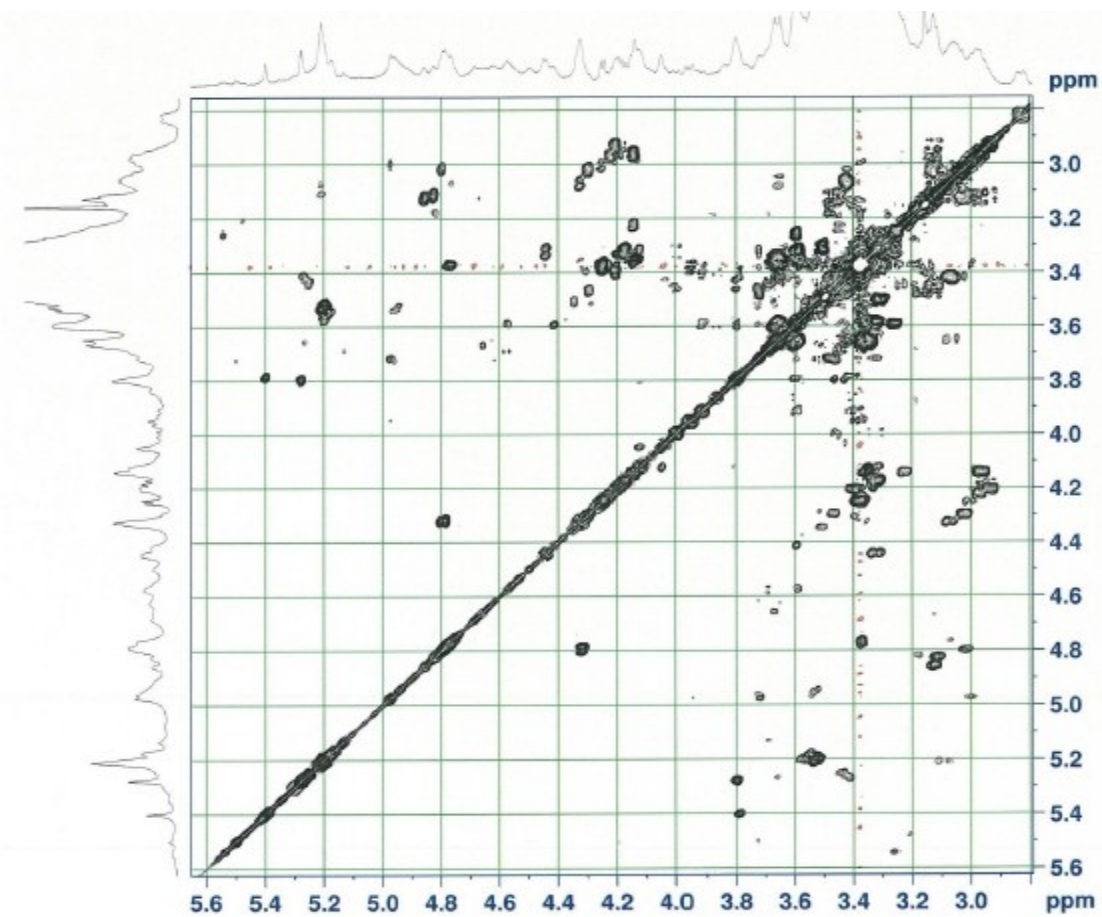


Fig. 17S.Expanded  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound 1

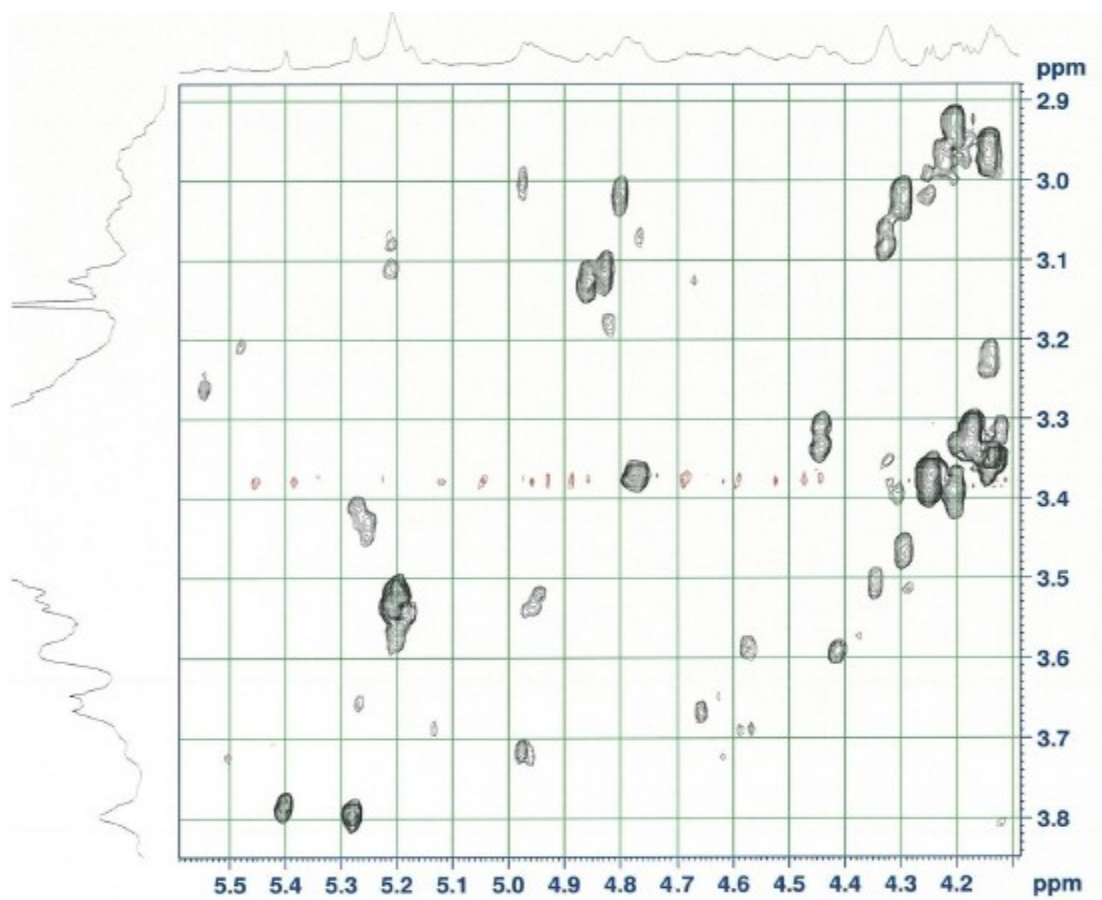


Fig. 18S.Expanded  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound 1

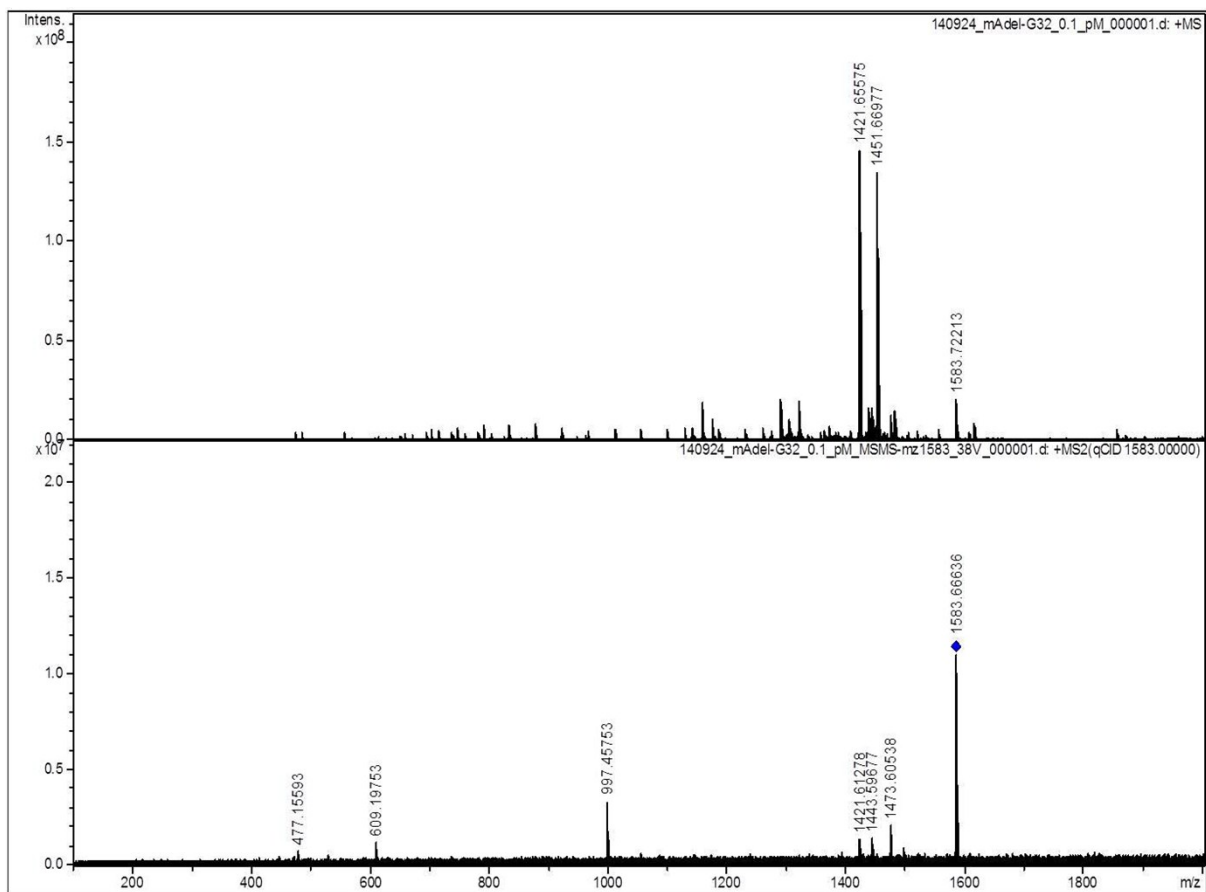


Fig. 19S. HR-ESI-MS spectrum of compound 1

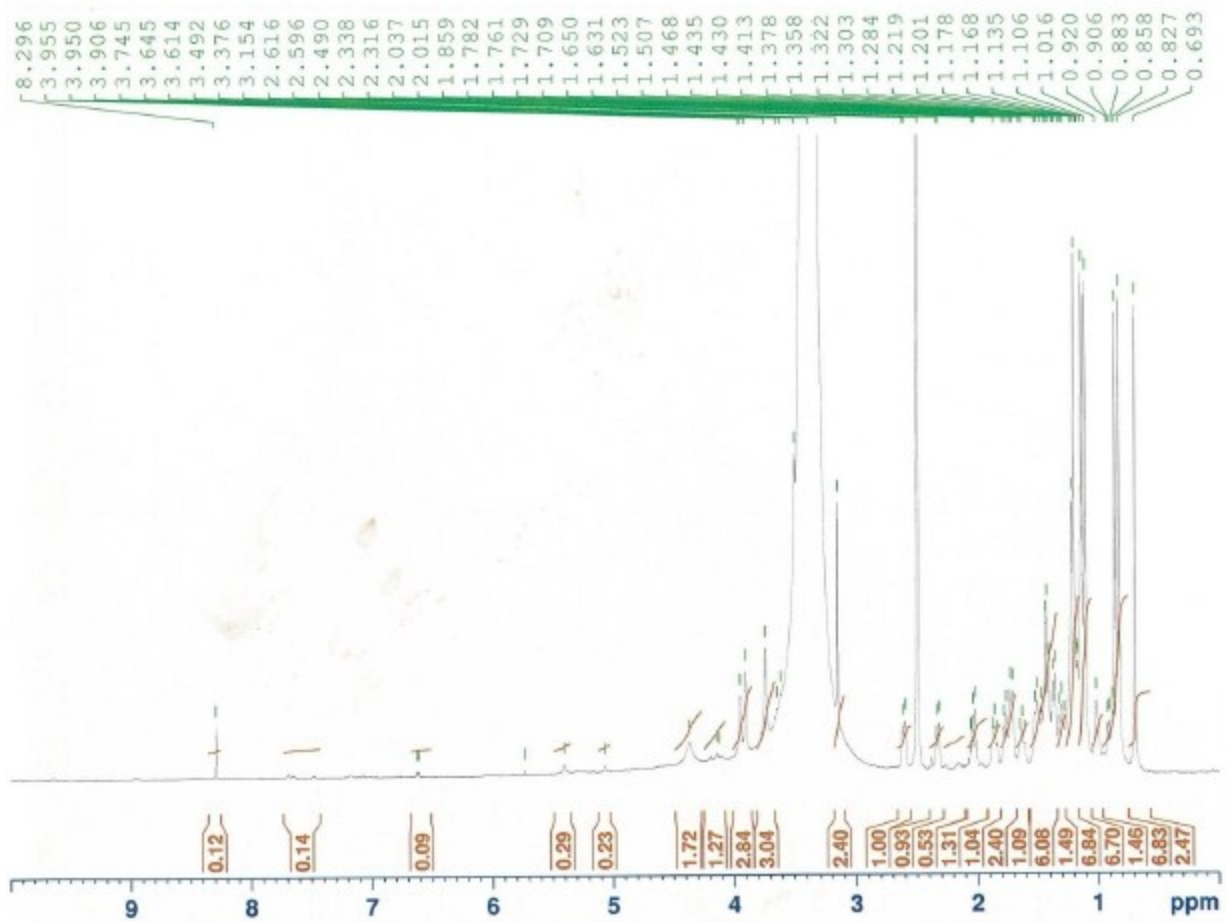


Fig. 20S. <sup>1</sup>H-NMR spectrum of compound 2 (600 MHz, DMSO-*d*<sub>6</sub>)

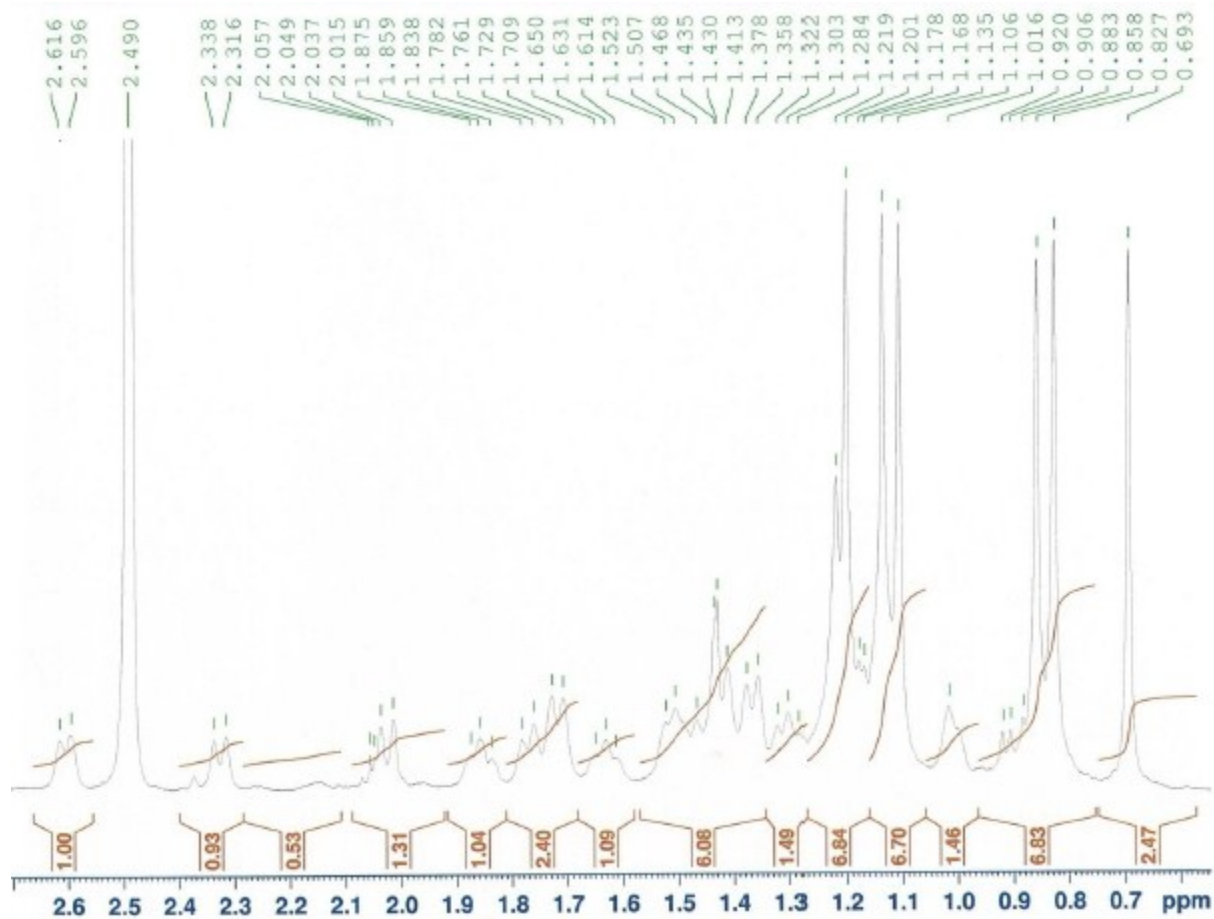


Fig. 21S. Expanded  $^1\text{H}$ -NMR spectrum of compound 2 (600 MHz,  $\text{DMSO-}d_6$ )

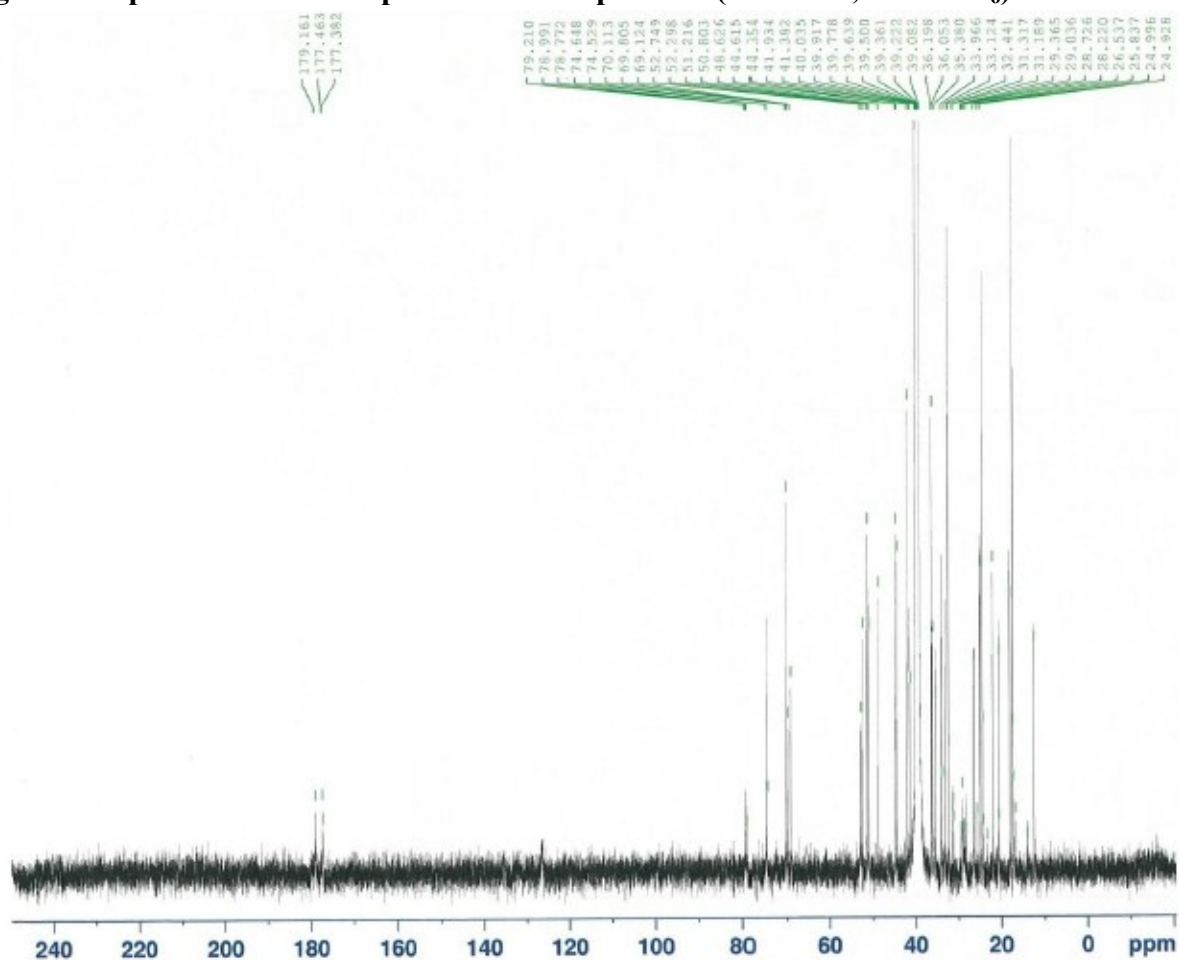


Fig. 22S.  $^{13}\text{C}$ -NMR spectrum of compound 2 (150 MHz,  $\text{DMSO-}d_6$ )

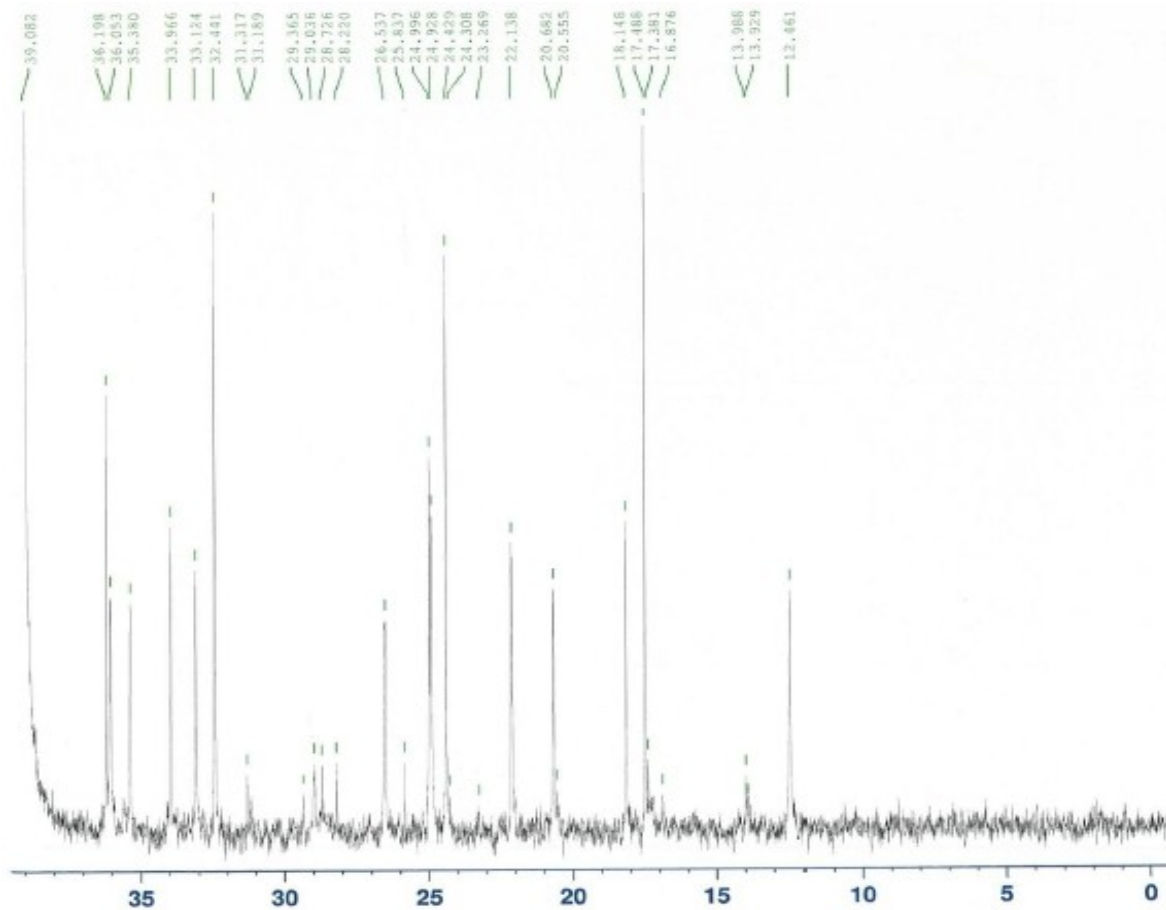


Fig. 23S. Expanded  $^{13}\text{C}$ -NMR spectrum of compound 2 (150 MHz,  $\text{DMSO-}d_6$ )

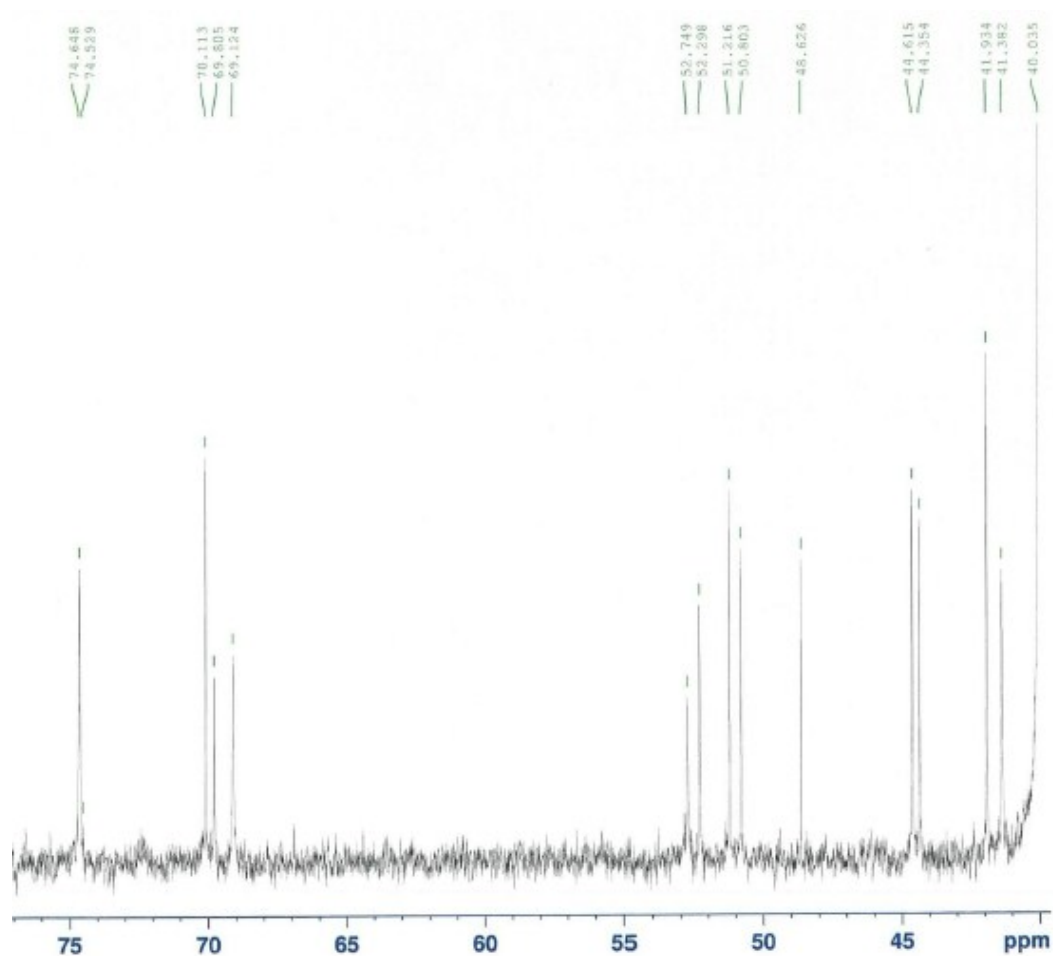
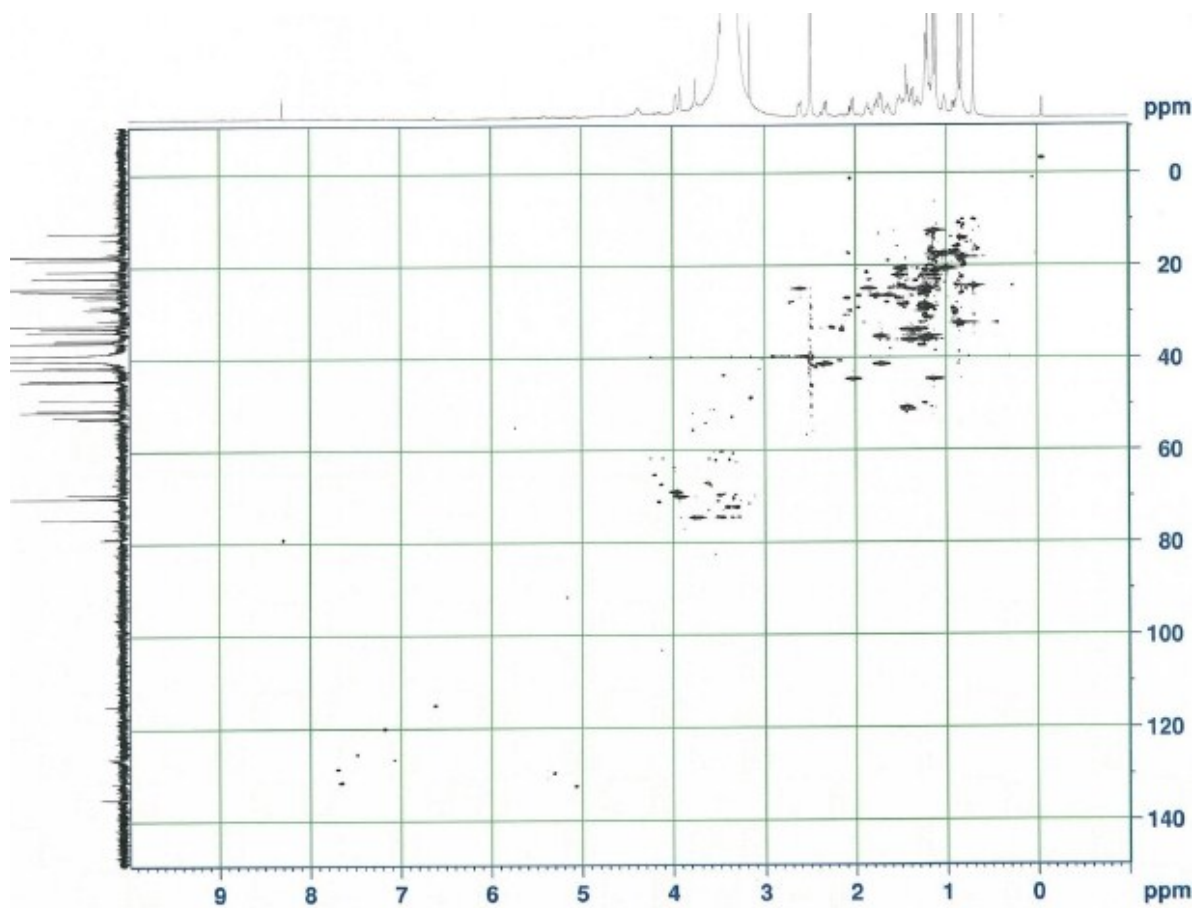
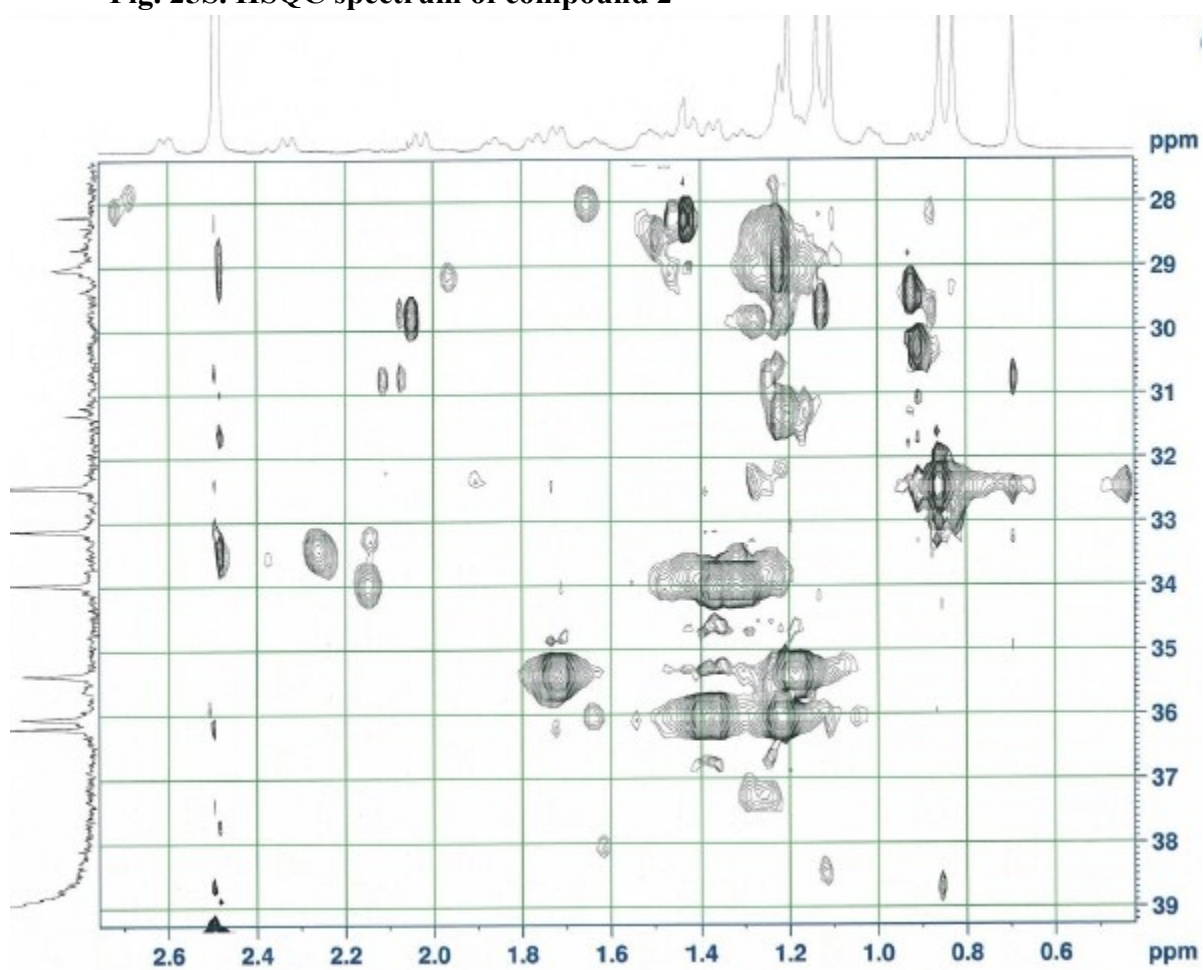


Fig. 24S. Expanded  $^{13}\text{C}$ -NMR spectrum of compound 2 (150 MHz,  $\text{DMSO-}d_6$ )



**Fig. 25S.** HSQC spectrum of compound 2



**Fig. 26S.** Expanded HSQC spectrum of compound 2

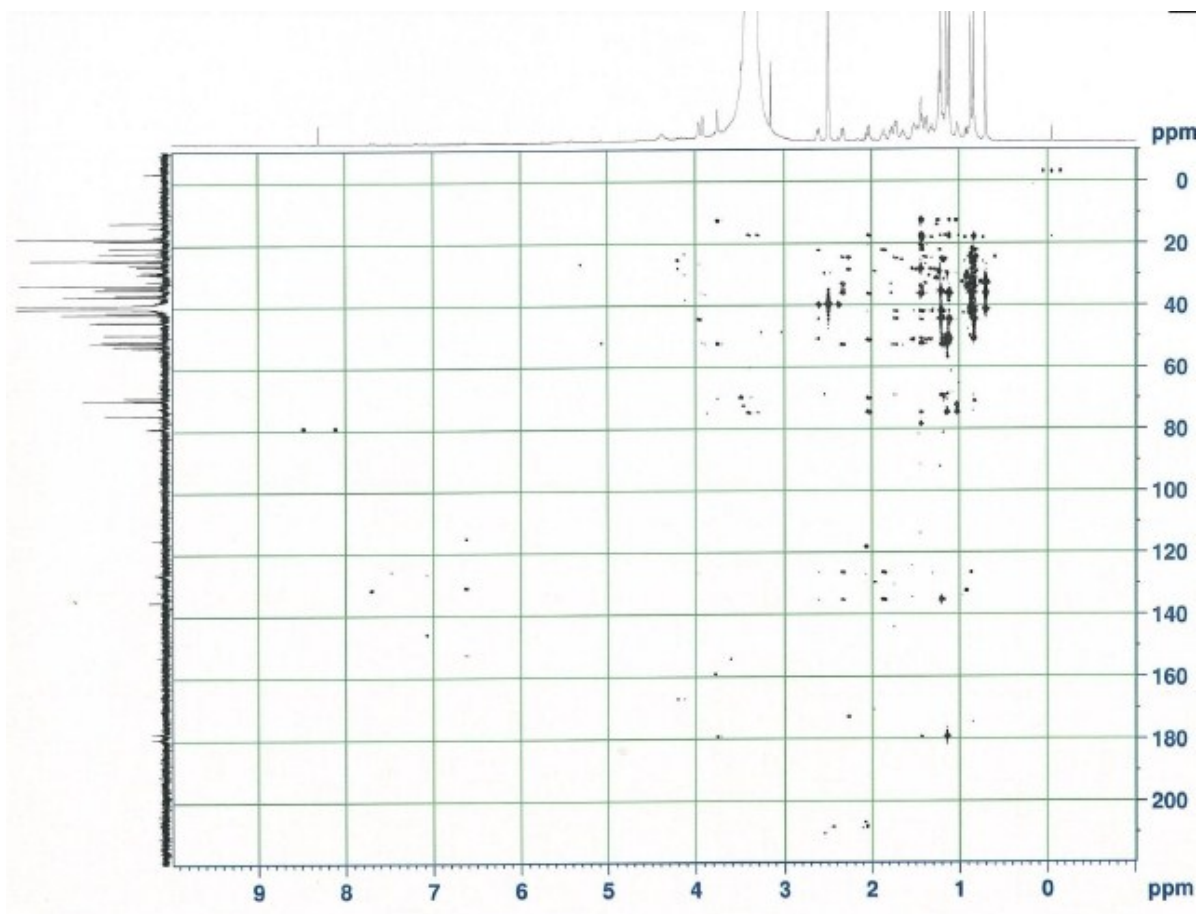


Fig. 27S. HMBC spectrum of compound 2

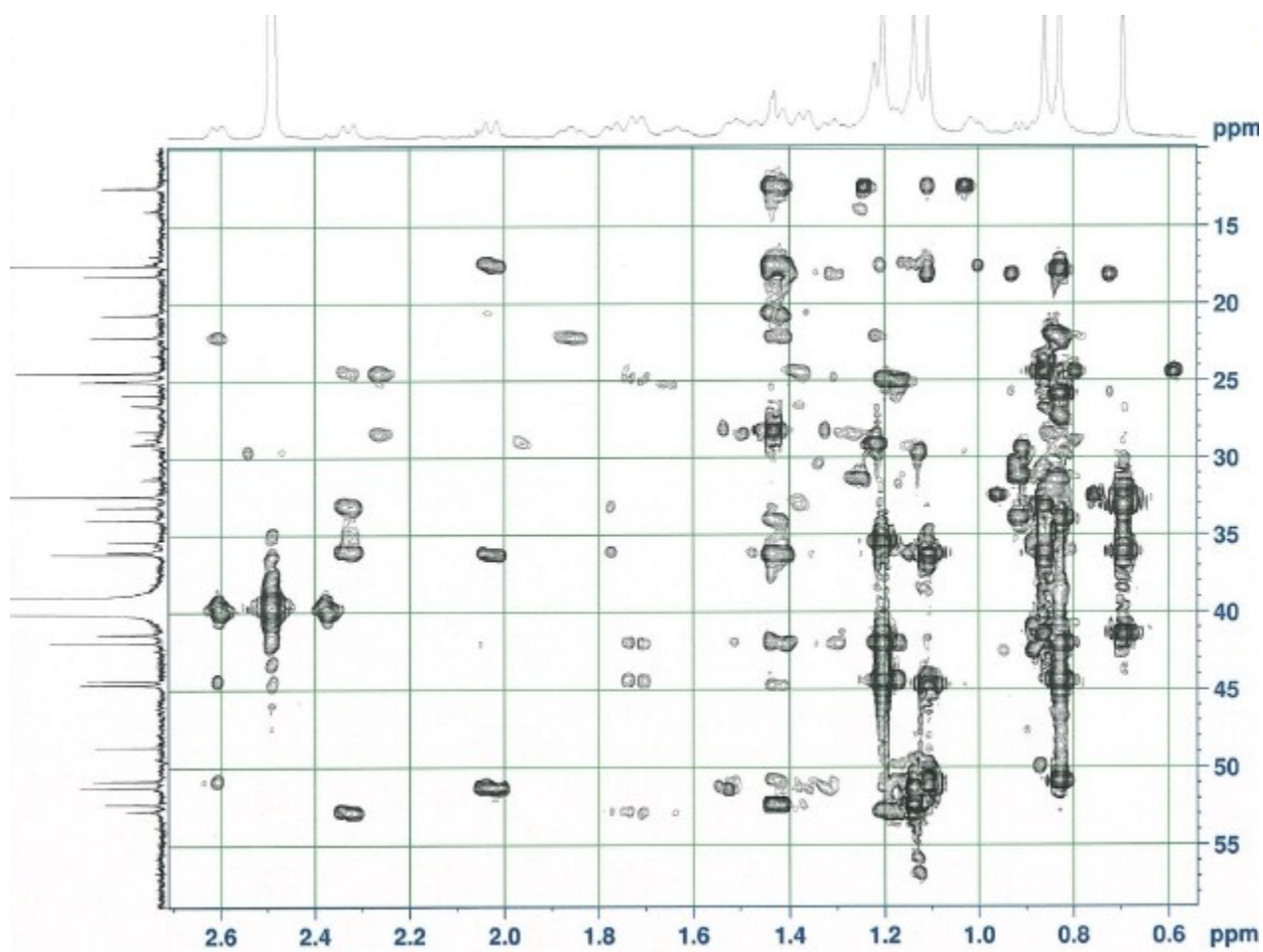
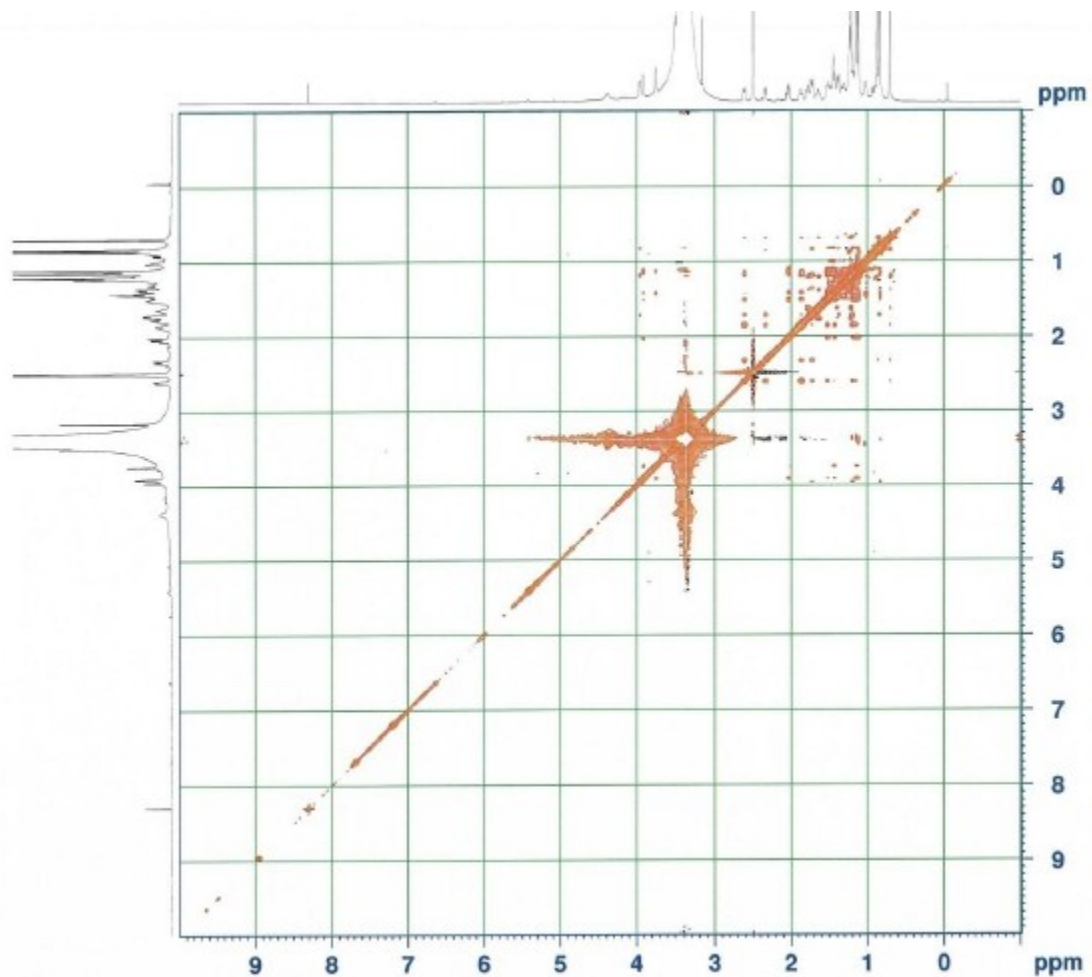
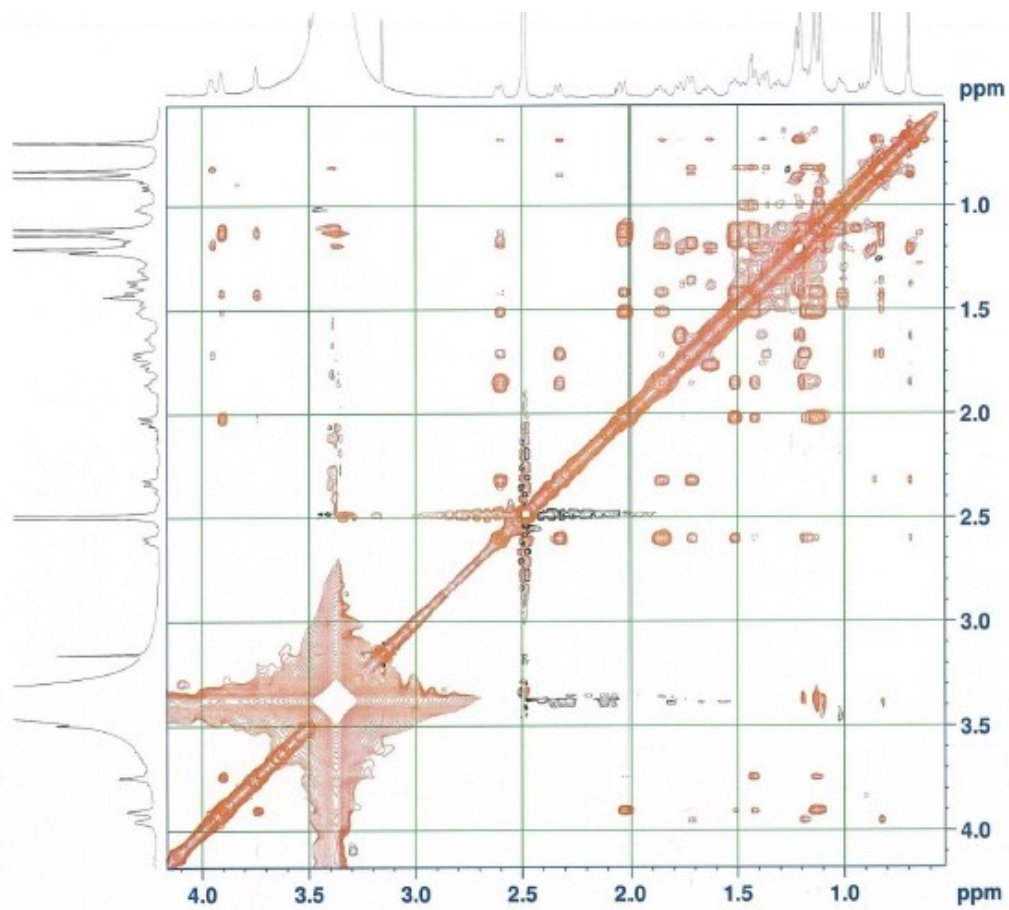


Fig. 28S. Expanded HMBC spectrum of compound 2



**Fig. 29S. NOESY spectrum of compound 2**



**Fig. 30S. Expanded NOESY spectrum of compound 2**



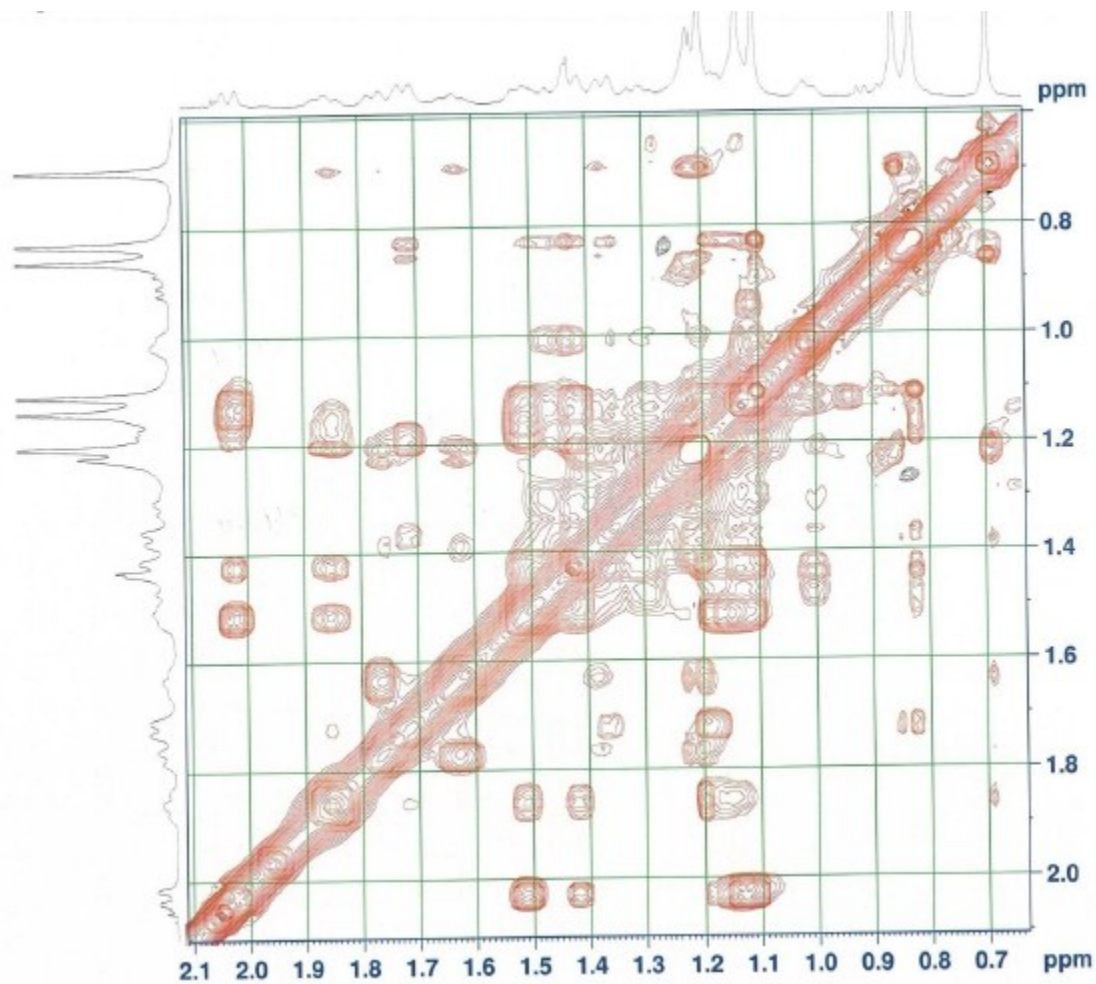


Fig. 31S. Expanded NOESY spectrum of compound 2

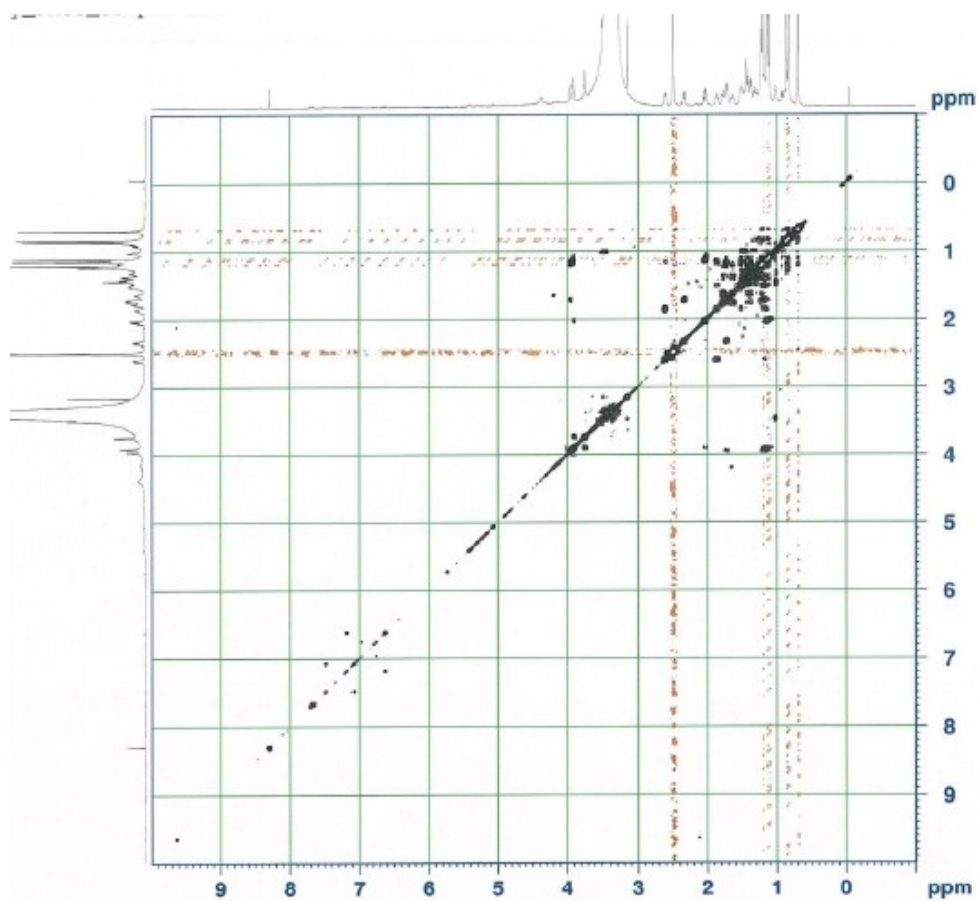


Fig. 32S.  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound 2

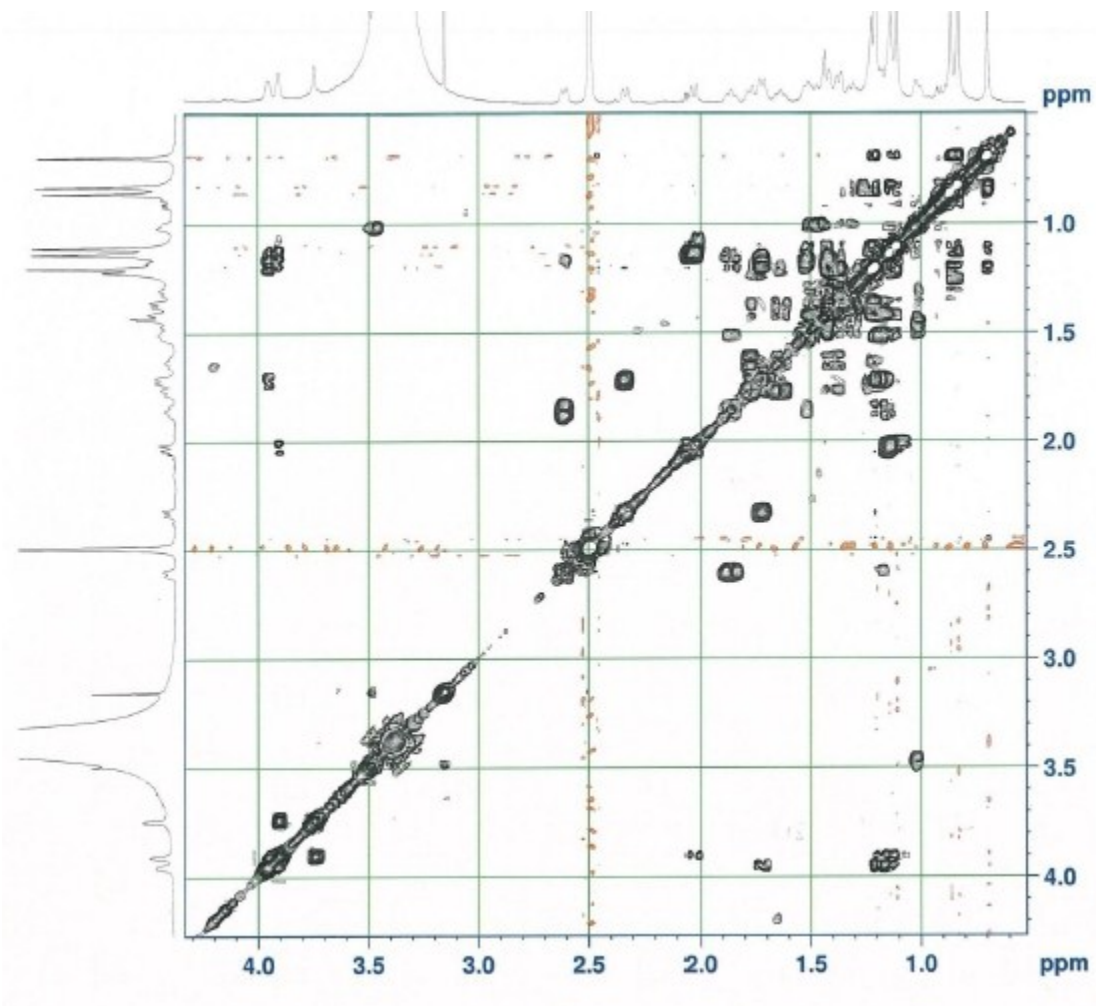


Fig. 33S. Expanded  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound 2

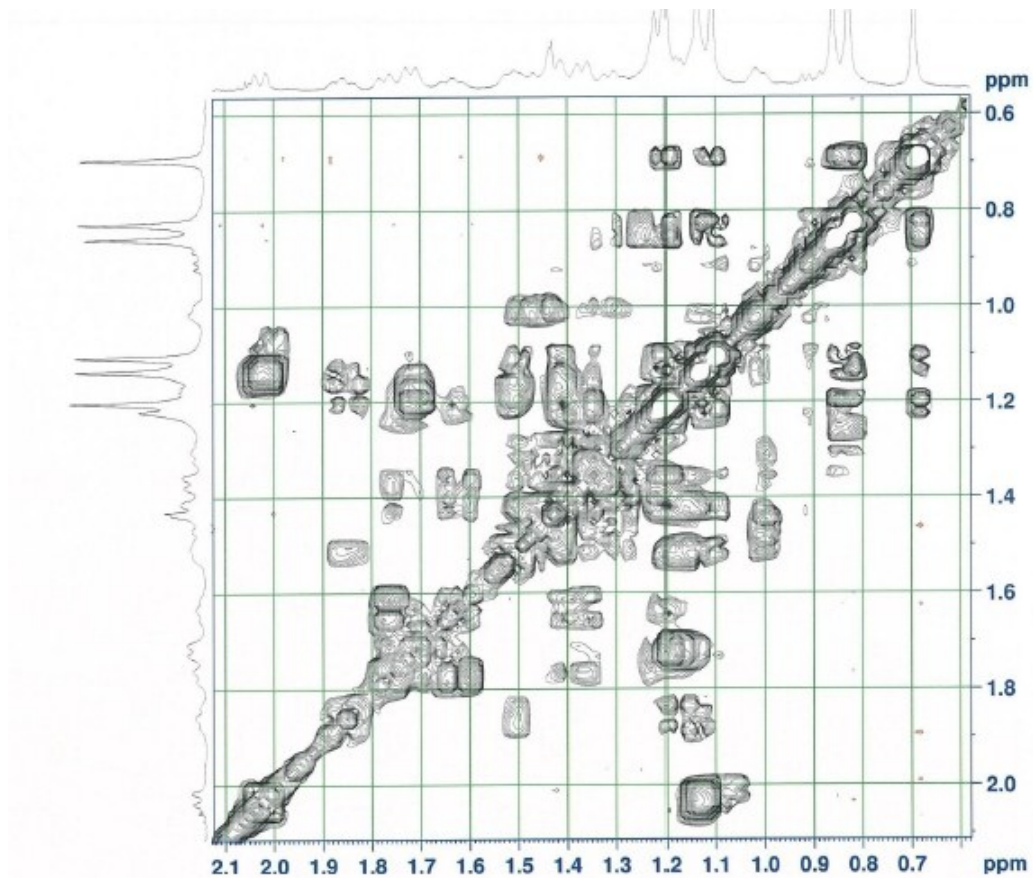
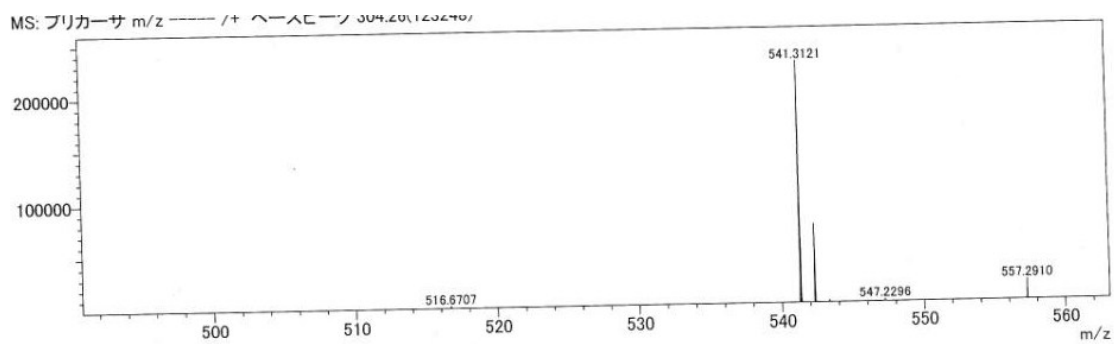
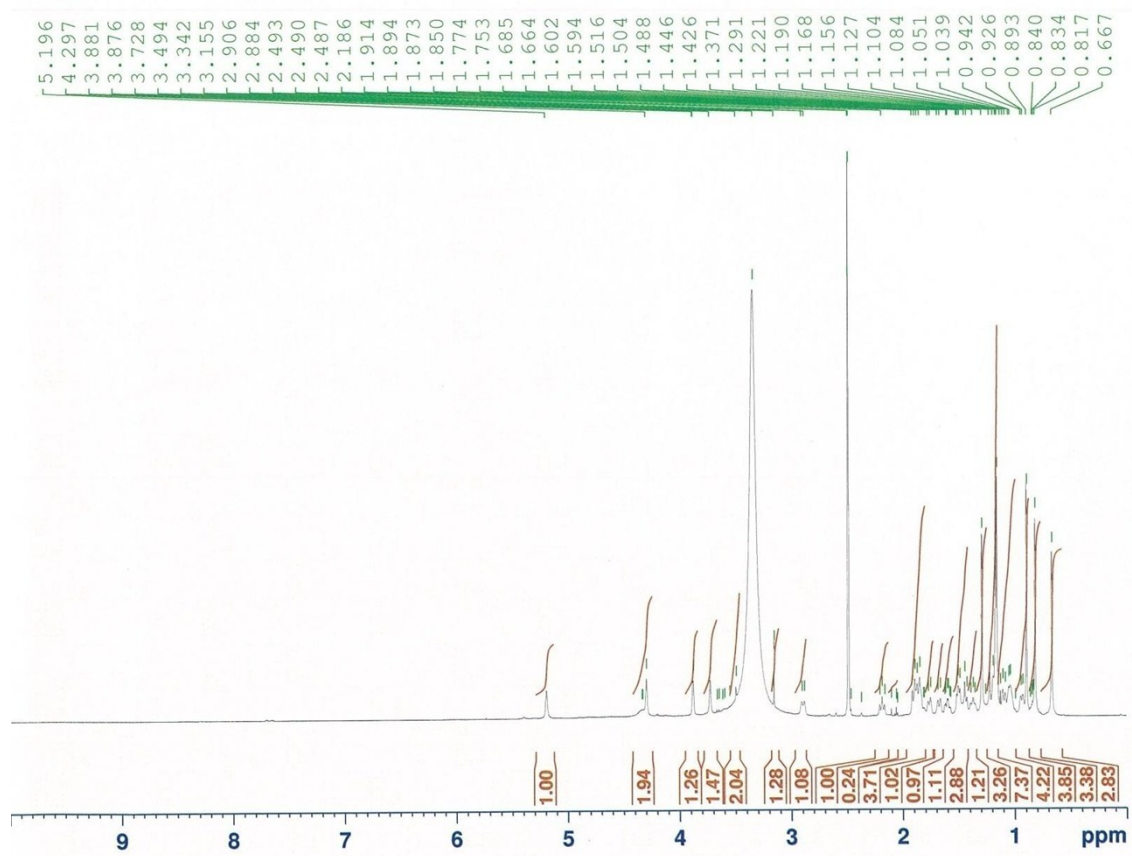


Fig. 34S. Expanded  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of compound 2



**Fig. 35S.** HR-ESI-MS spectrum of compound 2



**Fig. 36S.**  $^1\text{H-NMR}$  spectrum of compound 3 (600 MHz,  $\text{DMSO-}d_6$ )

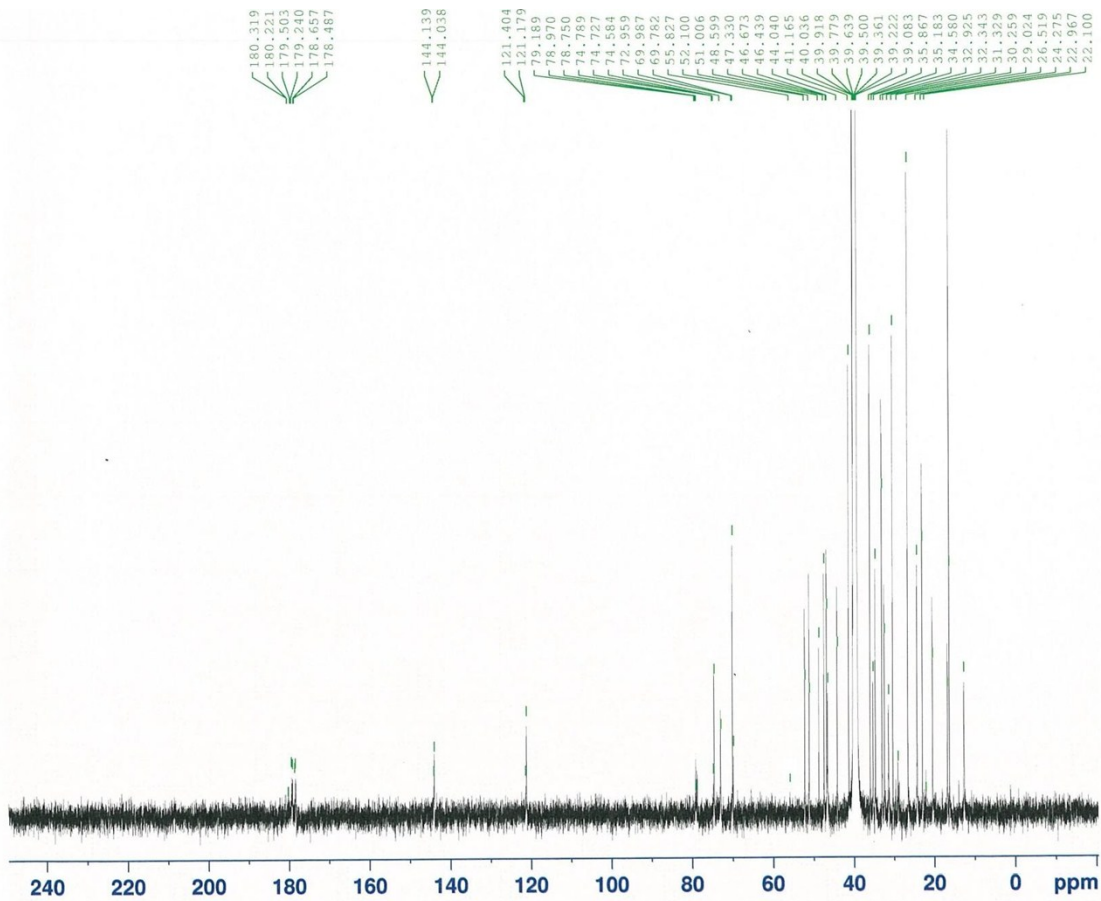


Fig. 37S.  $^{13}\text{C}$ -NMR spectrum of compound 3 (150 MHz,  $\text{DMSO-}d_6$ )

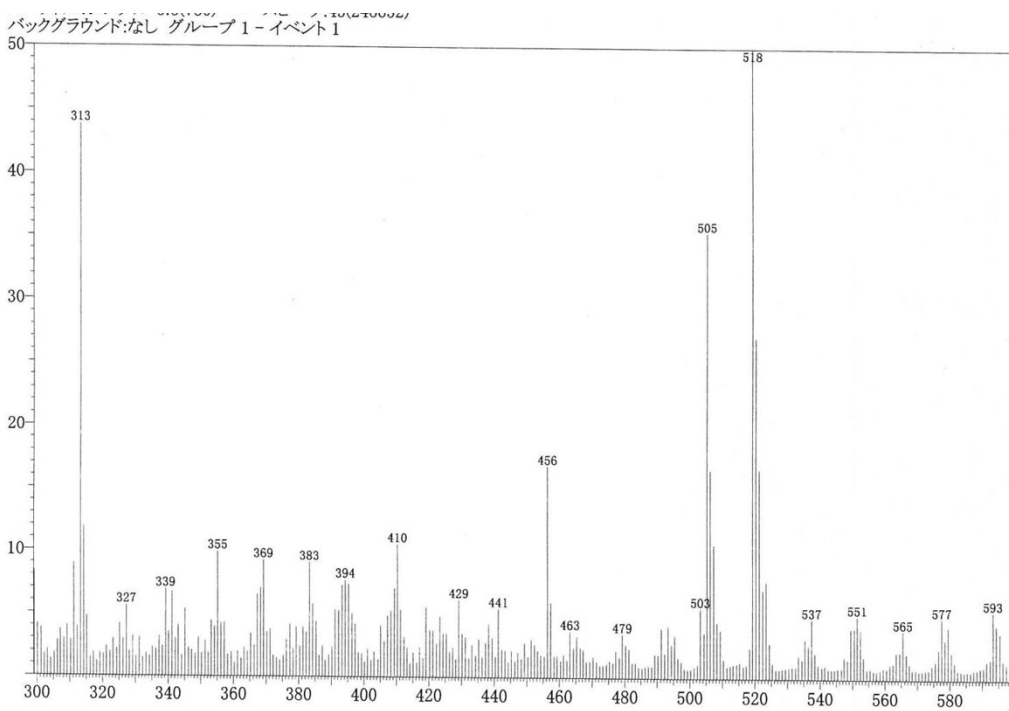


Fig. 38S. GC-MS spectrum of compound 3

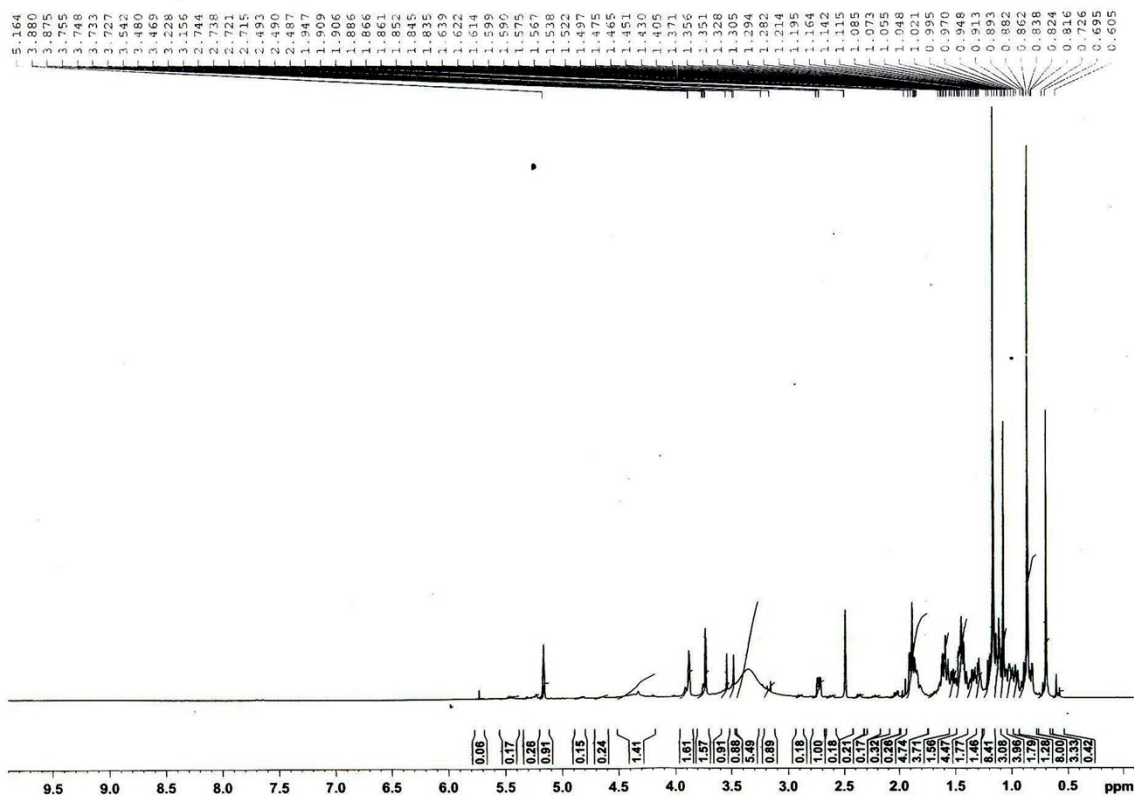


Fig. 39S.  $^1\text{H-NMR}$  spectrum of compound 4 (600 MHz,  $\text{DMSO-}d_6$ )

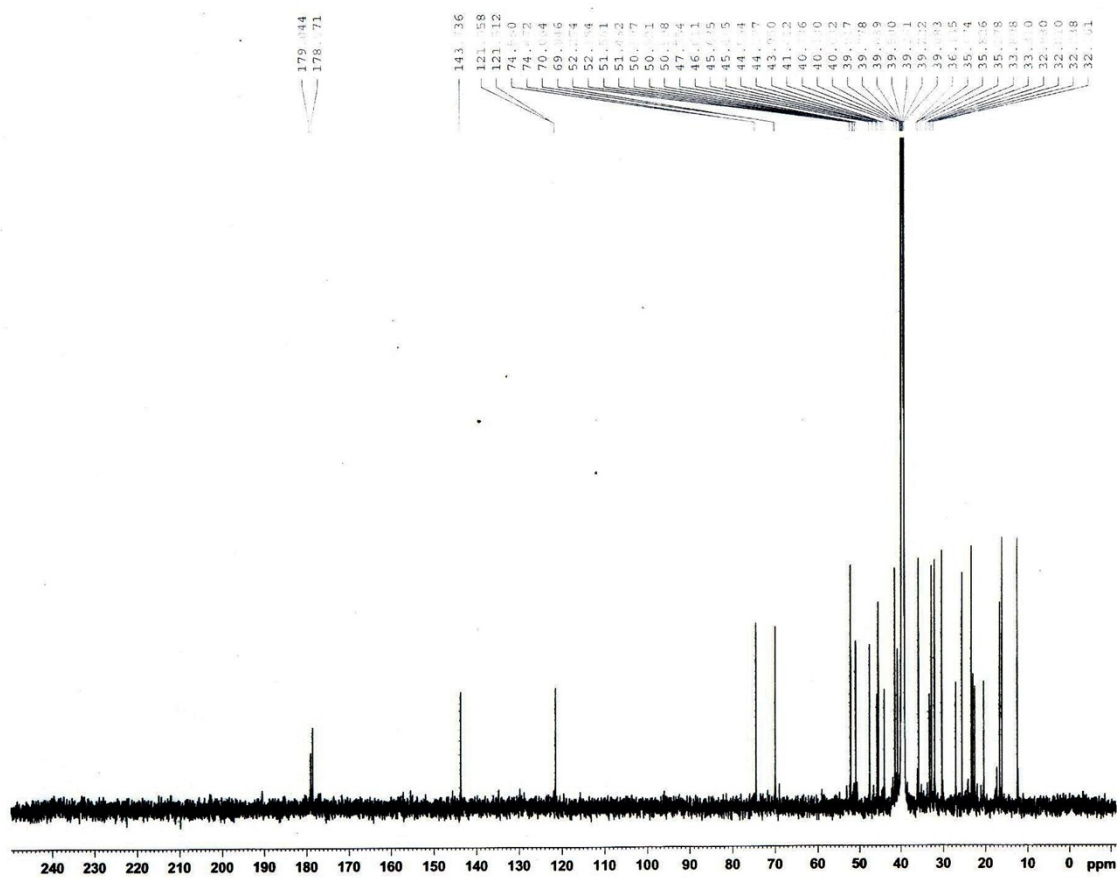
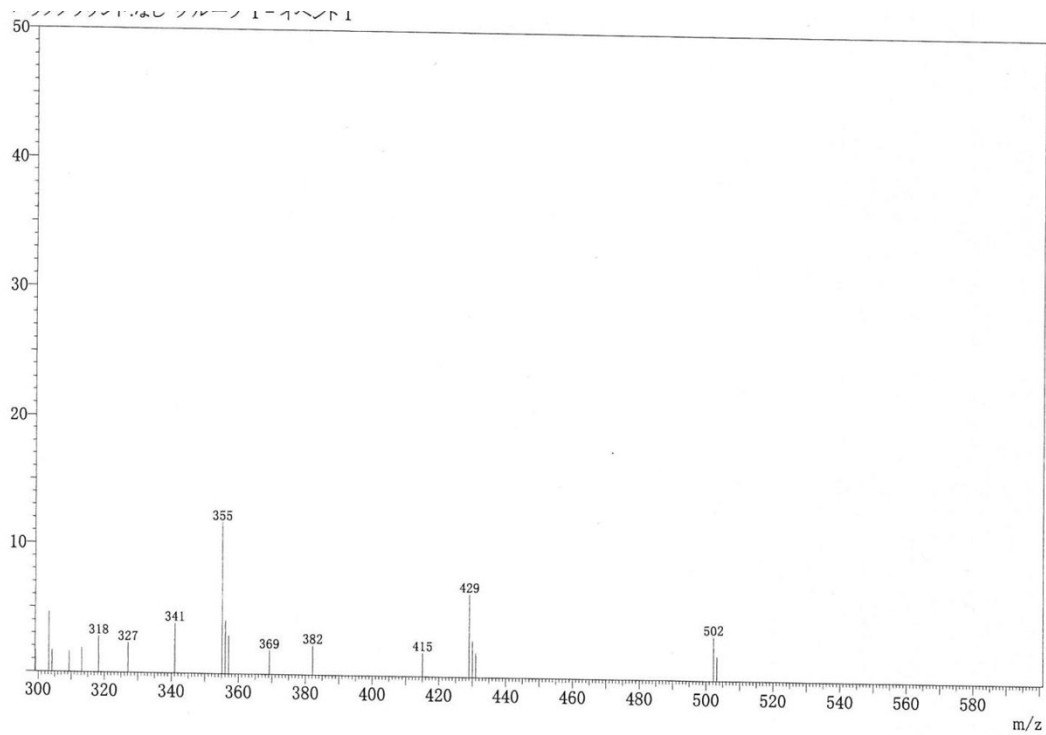


Fig. 40S.  $^{13}\text{C-NMR}$  spectrum of compound 4 (150 MHz,  $\text{DMSO-}d_6$ )



**Fig. 41S. GC-MS spectrum of compound 4**