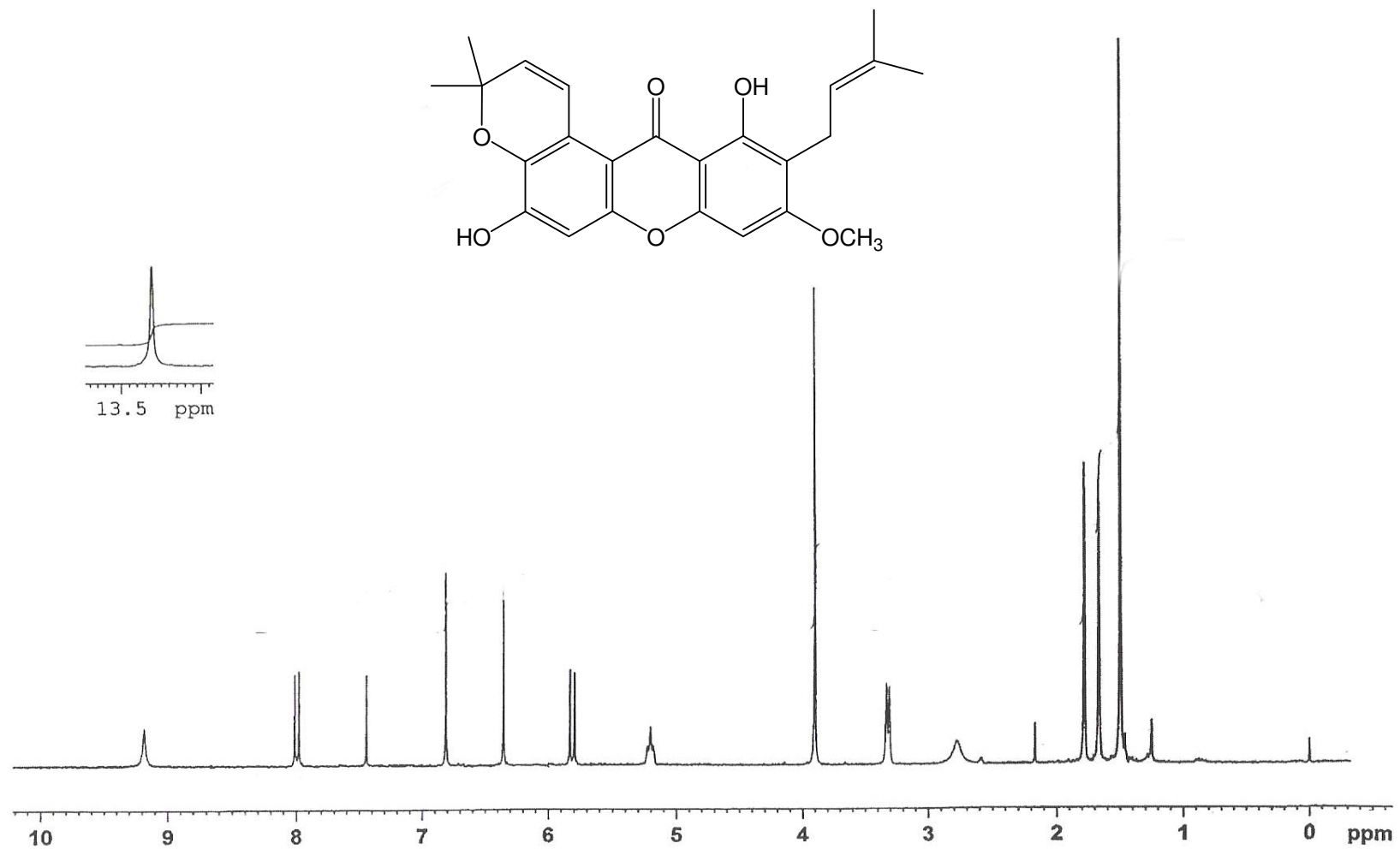
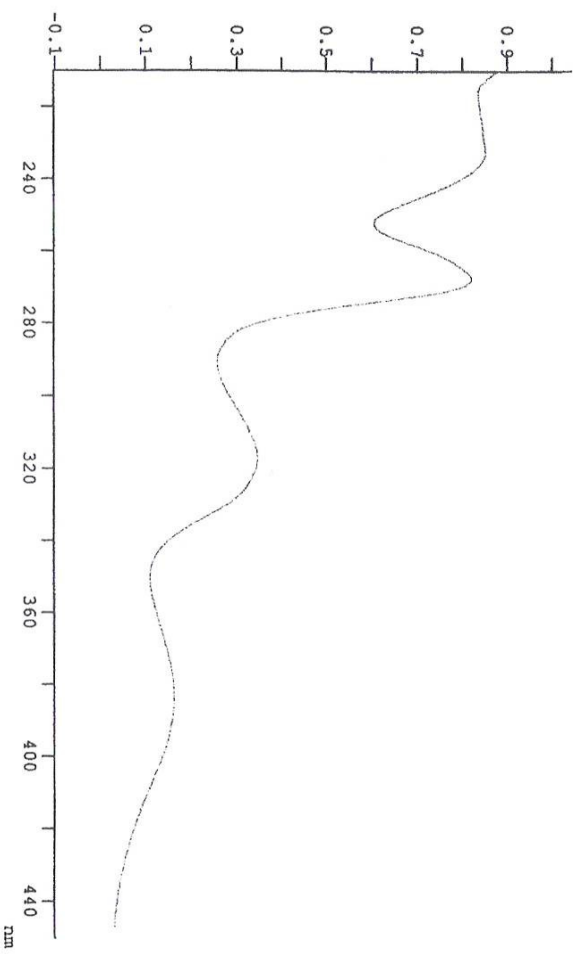


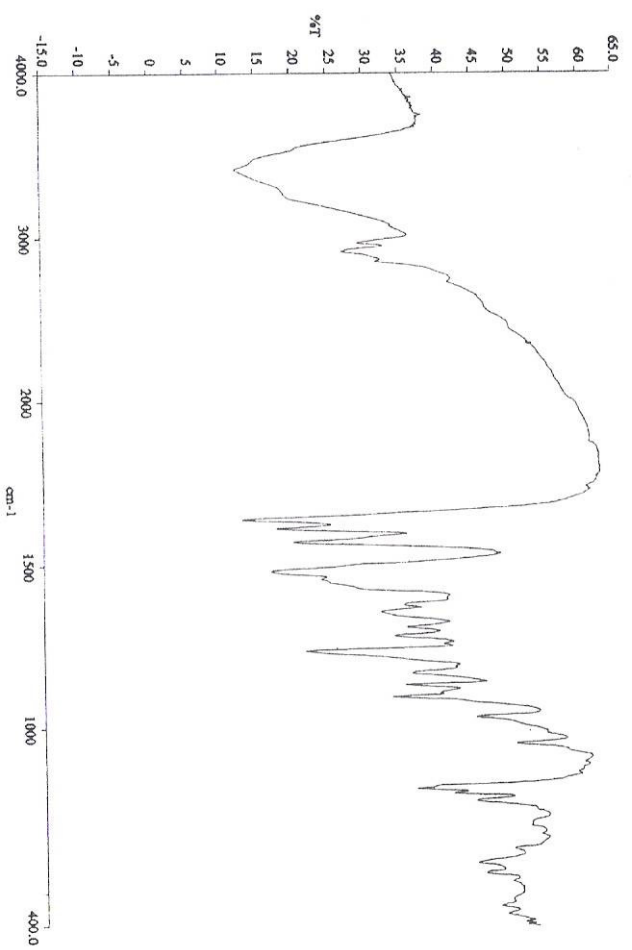
**Figure 2**  $^1\text{H}$  NMR (300 MHz) ( $\text{CDCl}_3$ ) spectrum of **PS1**



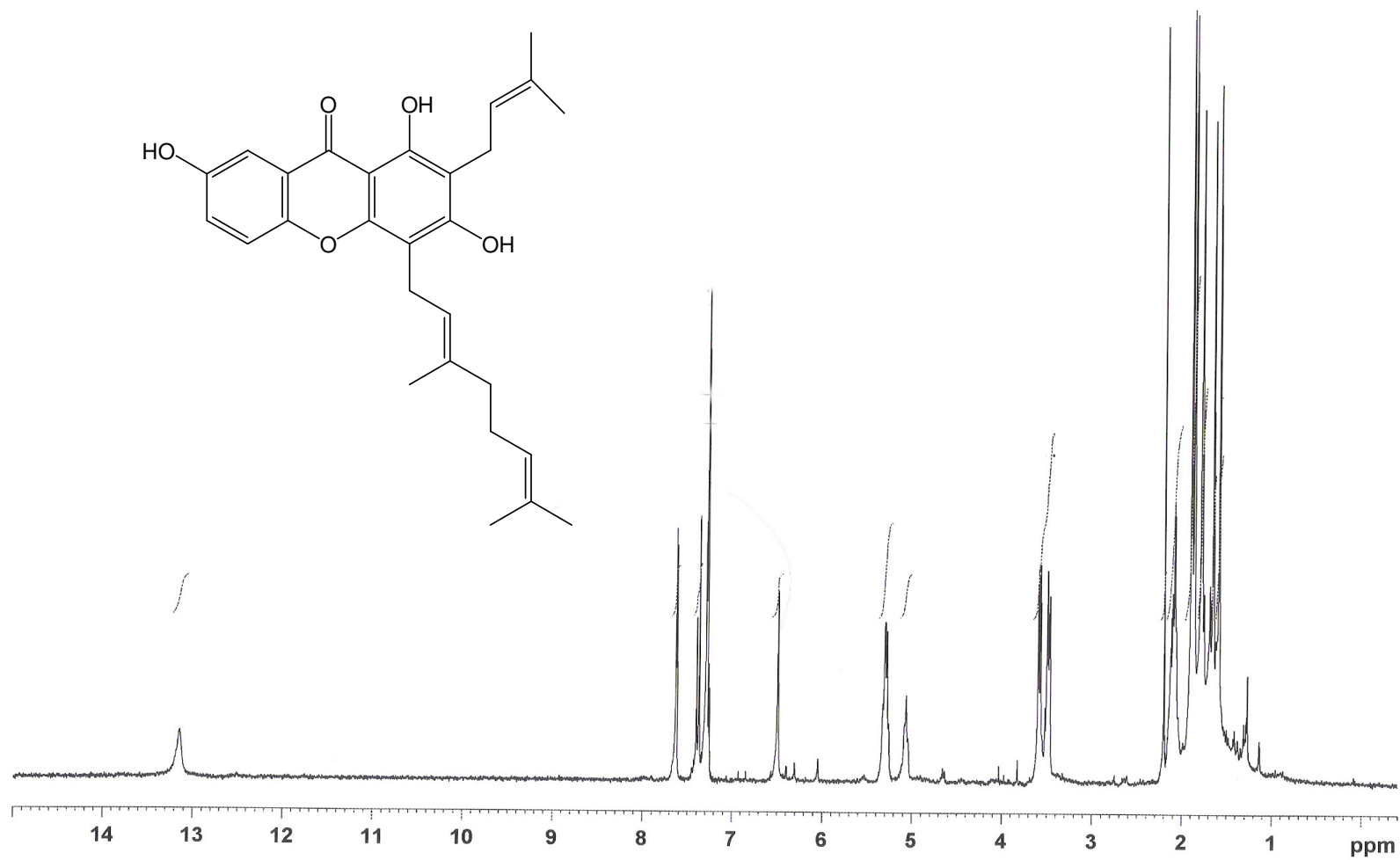
**Figure 3**  $^1\text{H}$  NMR (300 MHz) ( $\text{CDCl}_3$ ) spectrum of **PS2**



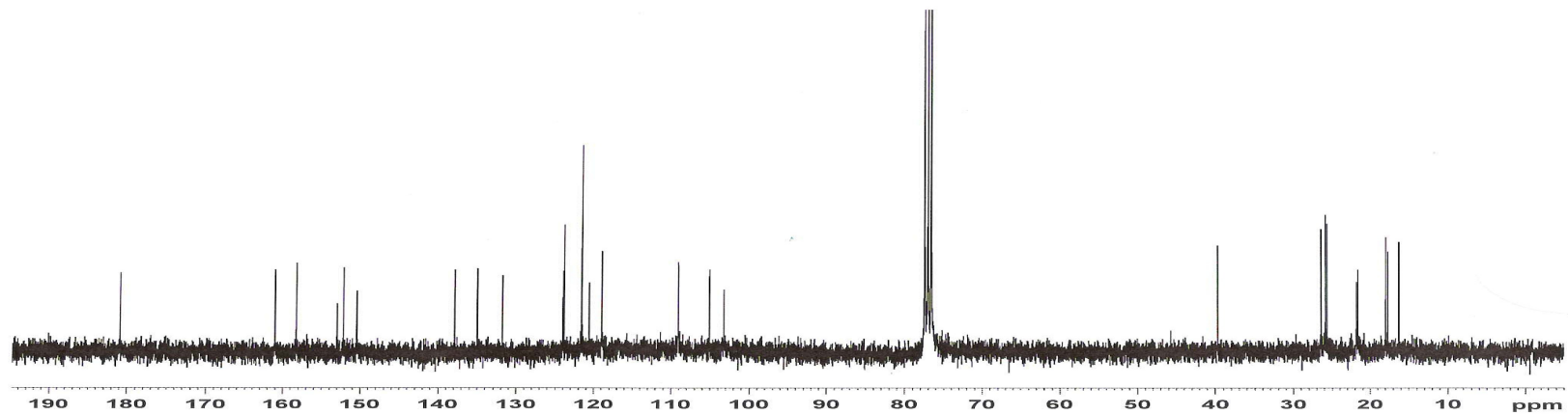
**Figure 4** UV (EtOH) spectrum of **PS3**



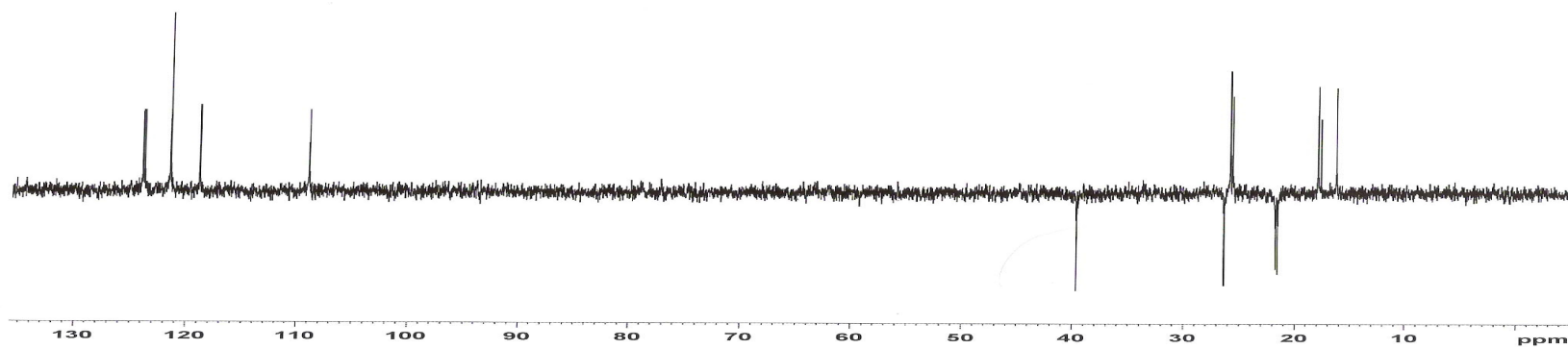
**Figure 5** FT-IR (KBr) spectrum of **PS3**



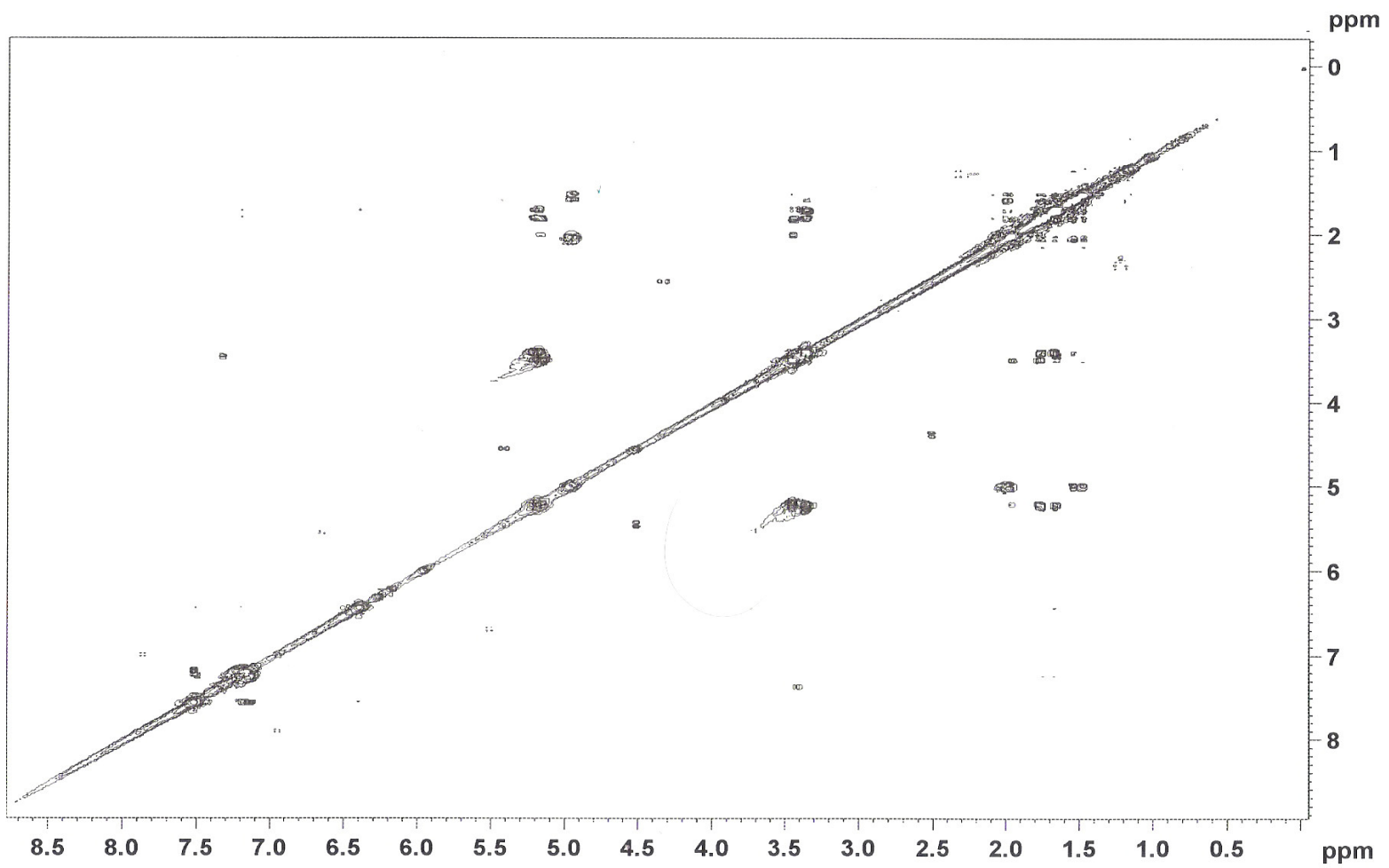
**Figure 6** <sup>1</sup>H NMR (300 MHz) (CDCl<sub>3</sub>) spectrum of **PS3**



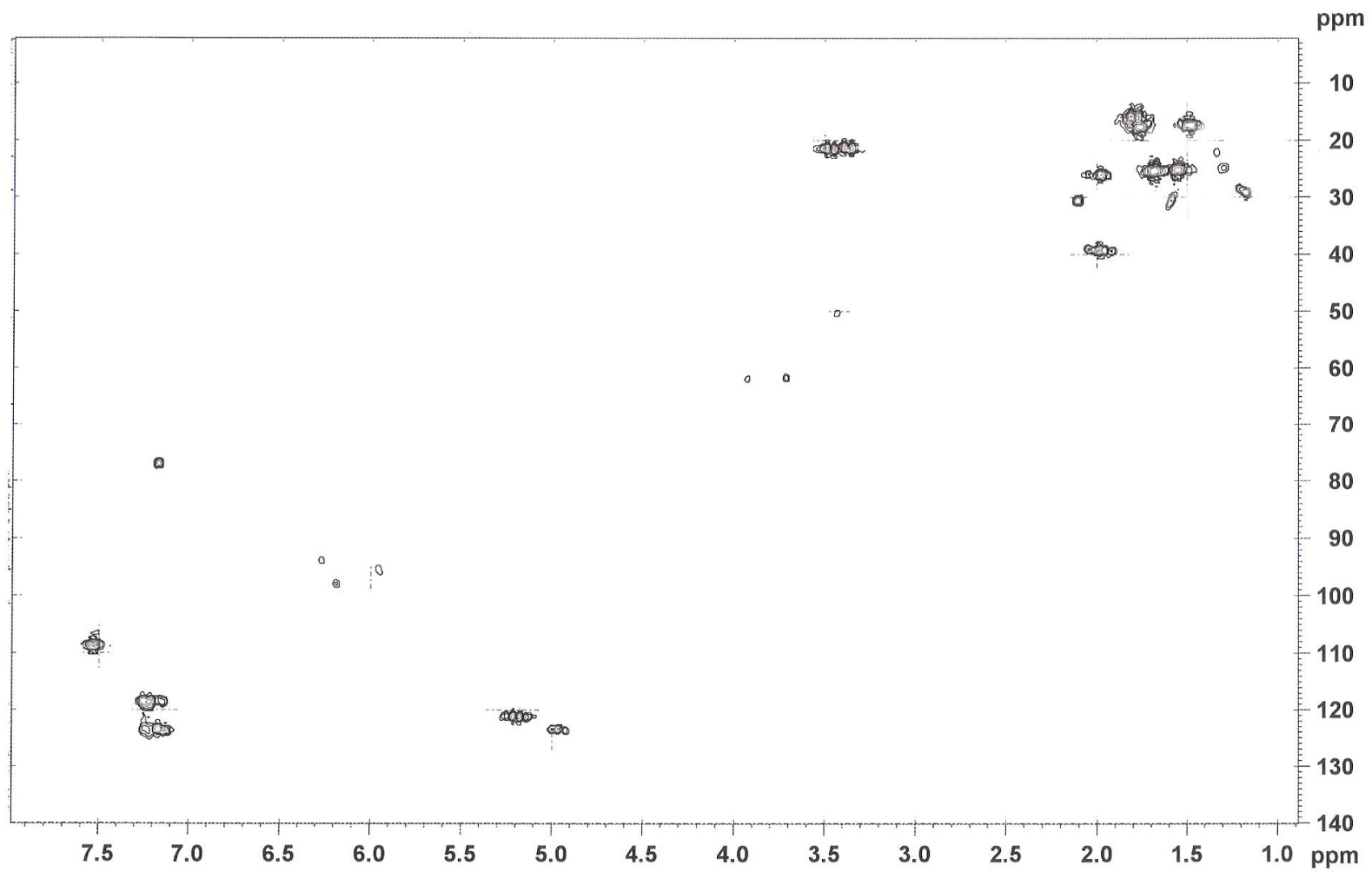
**Figure 7**  $^{13}\text{C}$  NMR (75 MHz) ( $\text{CDCl}_3$ ) spectrum of **PS3**



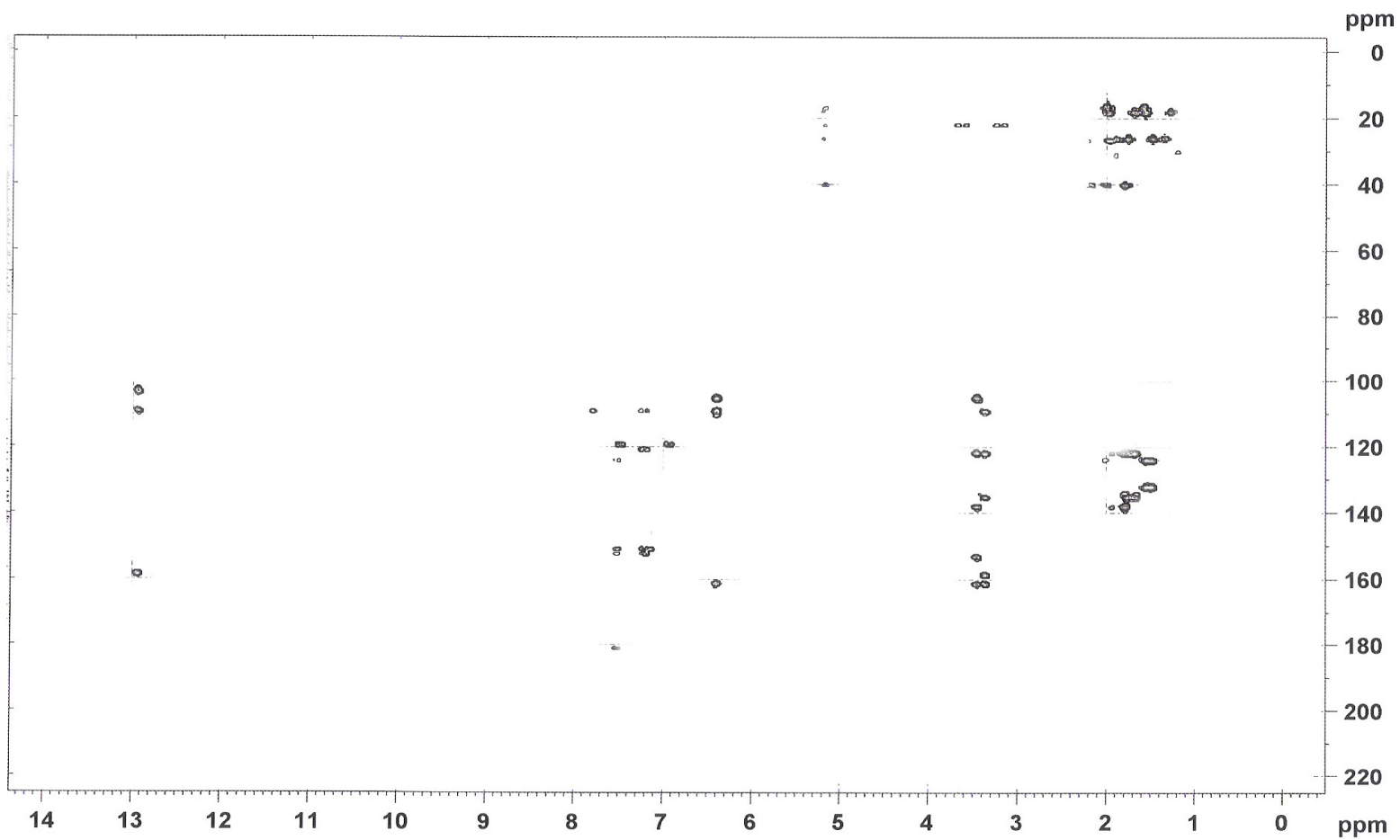
**Figure 8** DEPT 135 $^\circ$  ( $\text{CDCl}_3$ ) spectrum of **PS3**



**Figure 9** <sup>1</sup>H-<sup>1</sup>H COSY spectrum of PS3

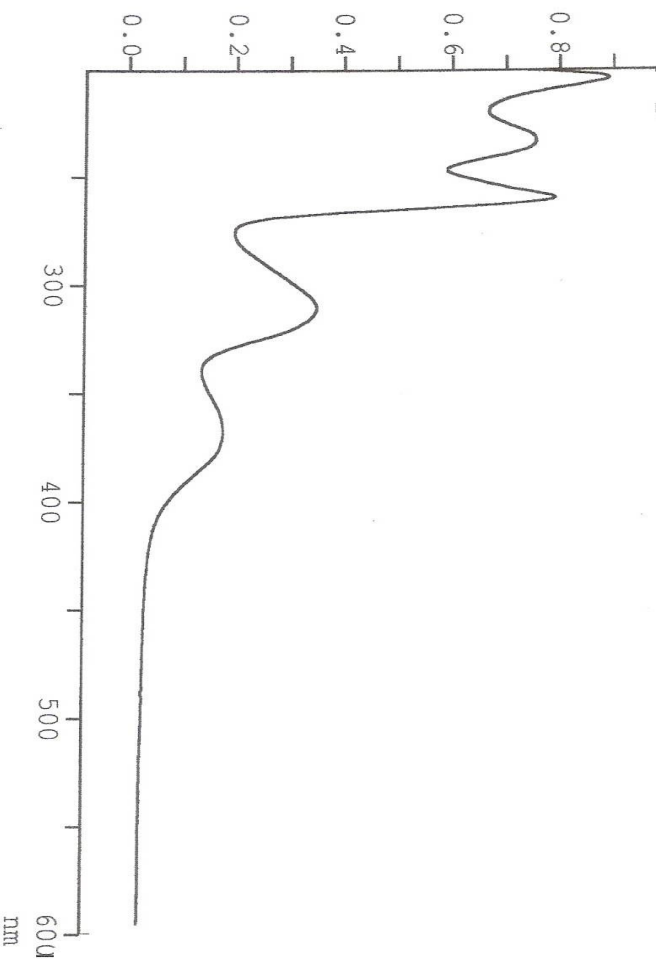


**Figure 10** 2D HMQC spectrum of PS3

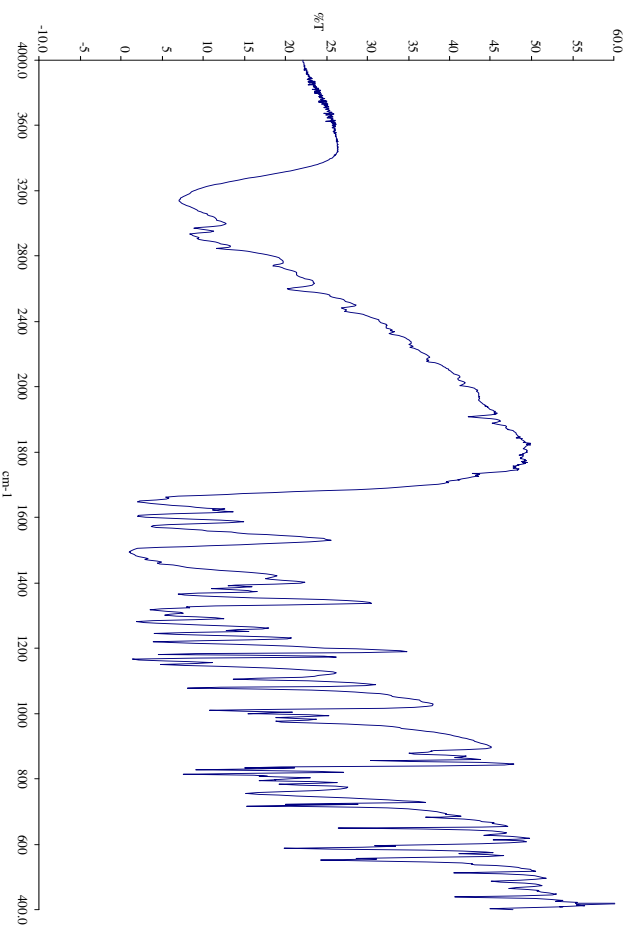


**Figure 11** 2D HMBC spectrum of **PS3**





**Figure 12** UV (EtOH) spectrum of **PS4**



**Figure 13** FT-IR (KBr) spectrum of **PS4**

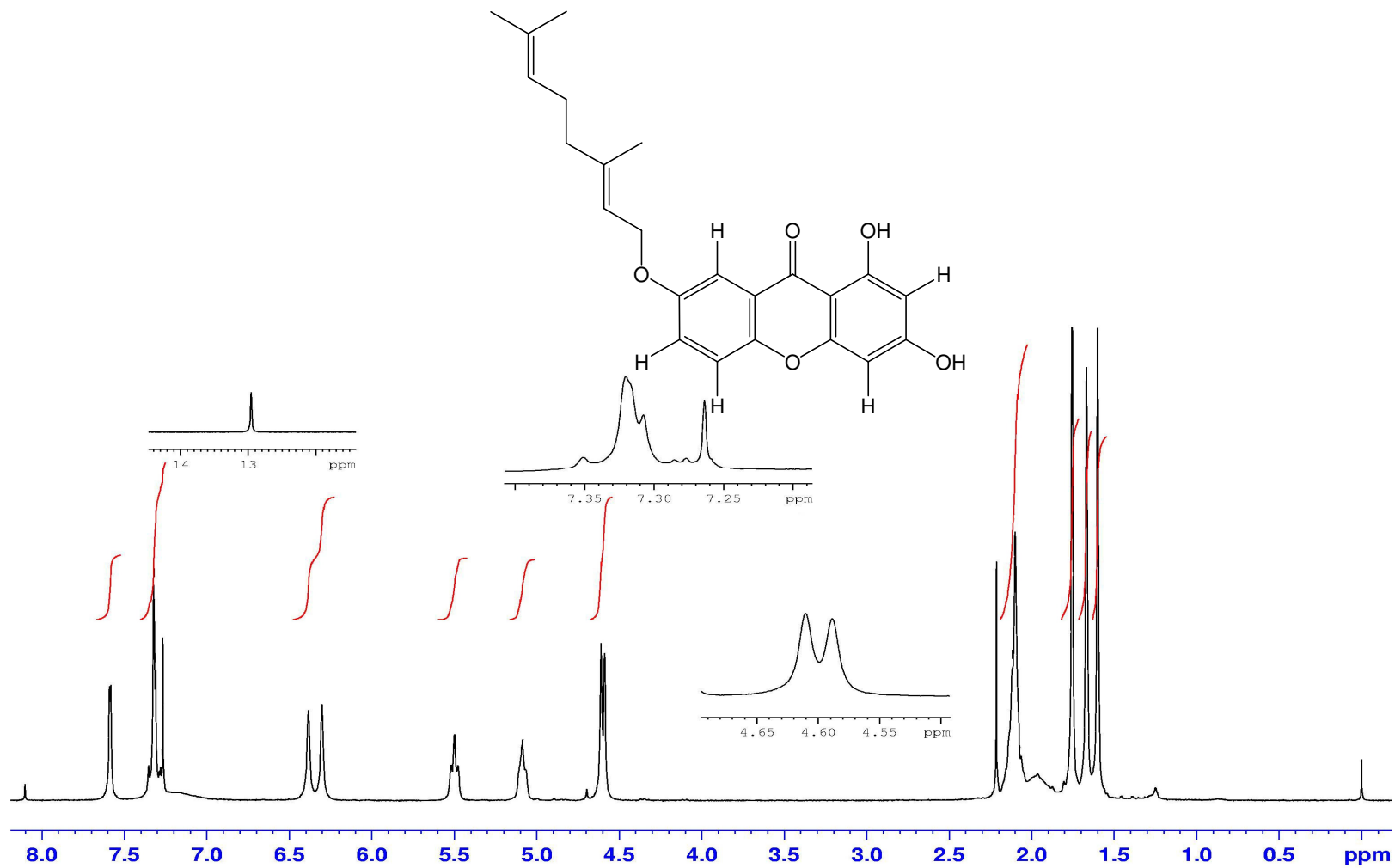
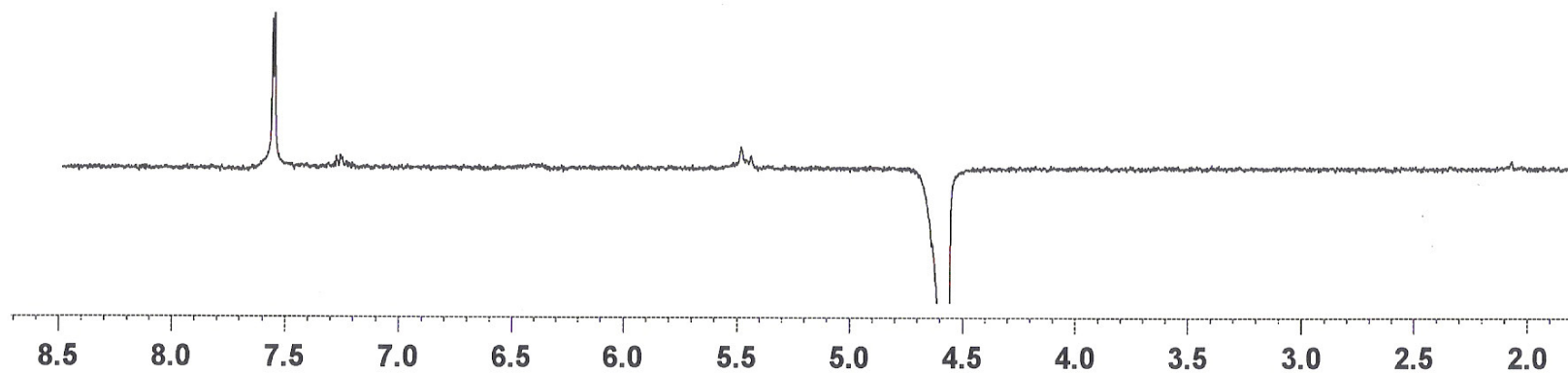
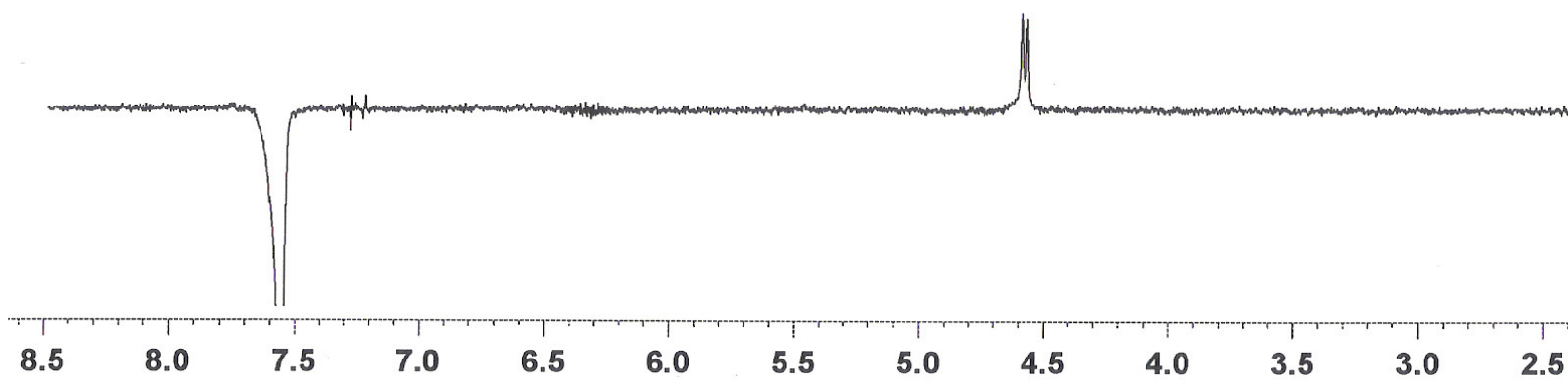


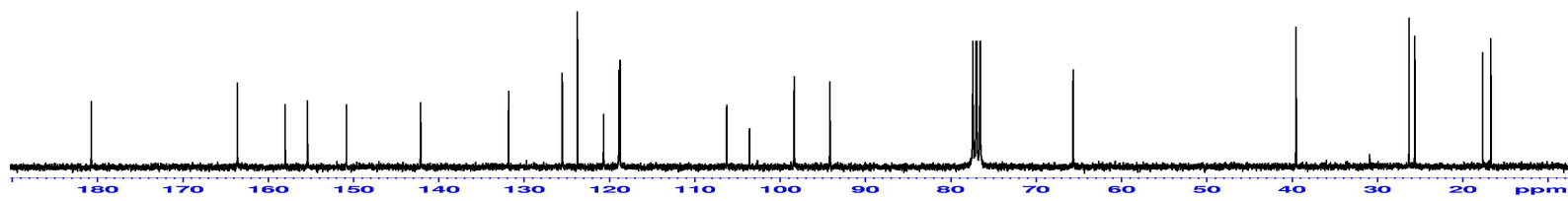
Figure 14  $^1\text{H}$  NMR (300 MHz) ( $\text{CDCl}_3$ ) spectrum of PS4



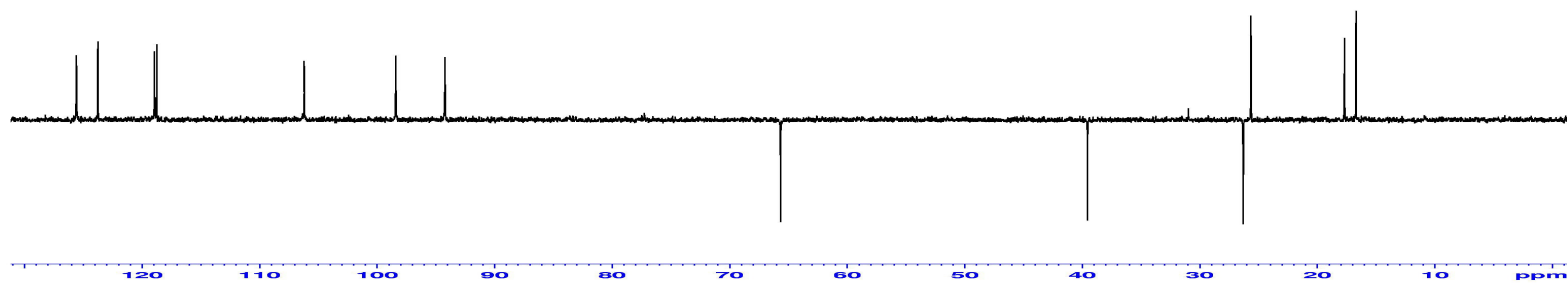
**Figure 15** NOEDIFF spectrum of **PS4** after irradiation at  $\delta_H$  4.51



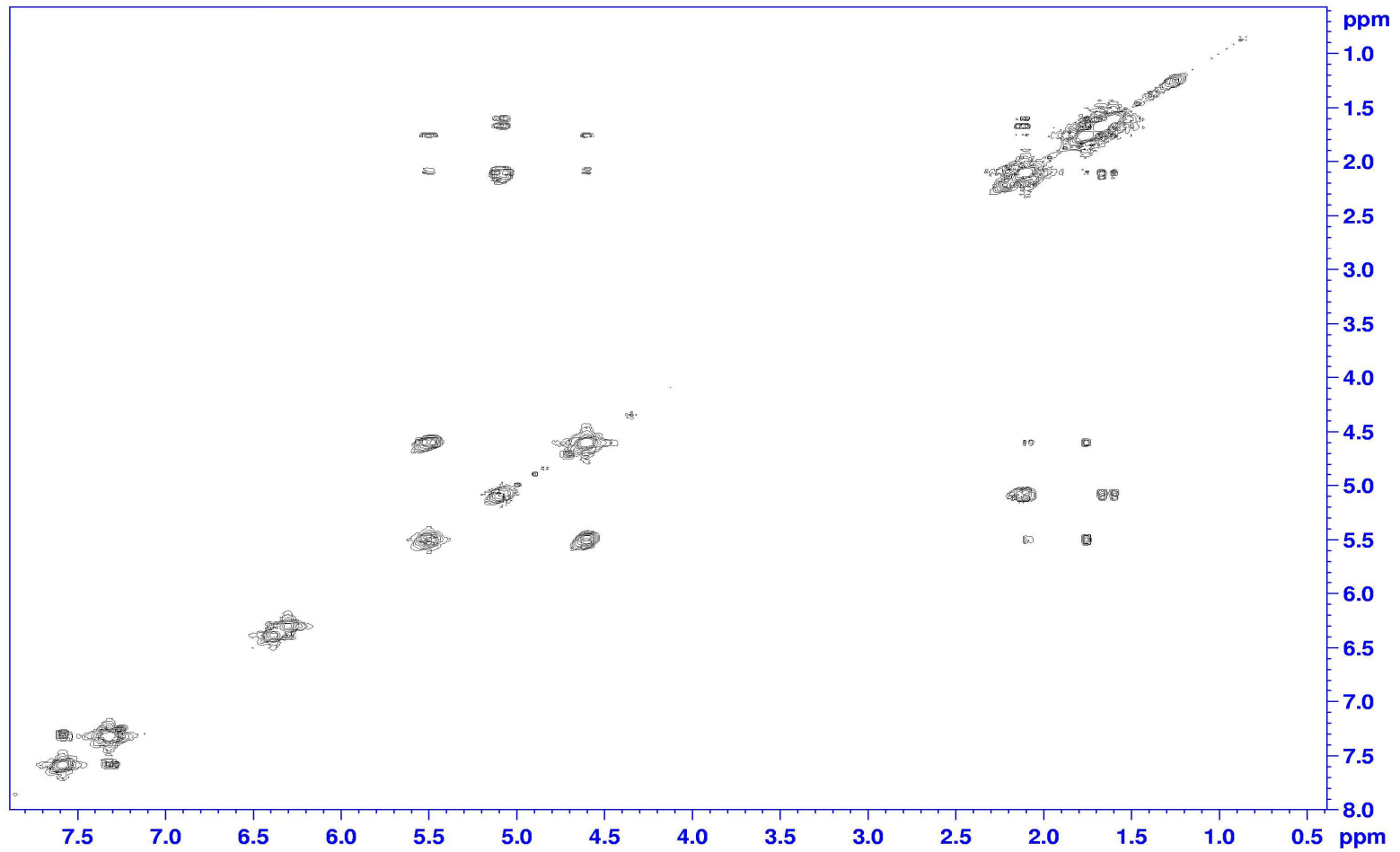
**Figure 16** NOEDIFF spectrum of **PS4** after irradiation at  $\delta_H$  7.61



**Figure 17**  $^{13}\text{C}$  NMR (75 MHz) ( $\text{CDCl}_3$ ) spectrum of PS4



**Figure 18** DEPT 135 $^\circ$  ( $\text{CDCl}_3$ ) spectrum of PS4



**Figure 19**  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of **PS4**

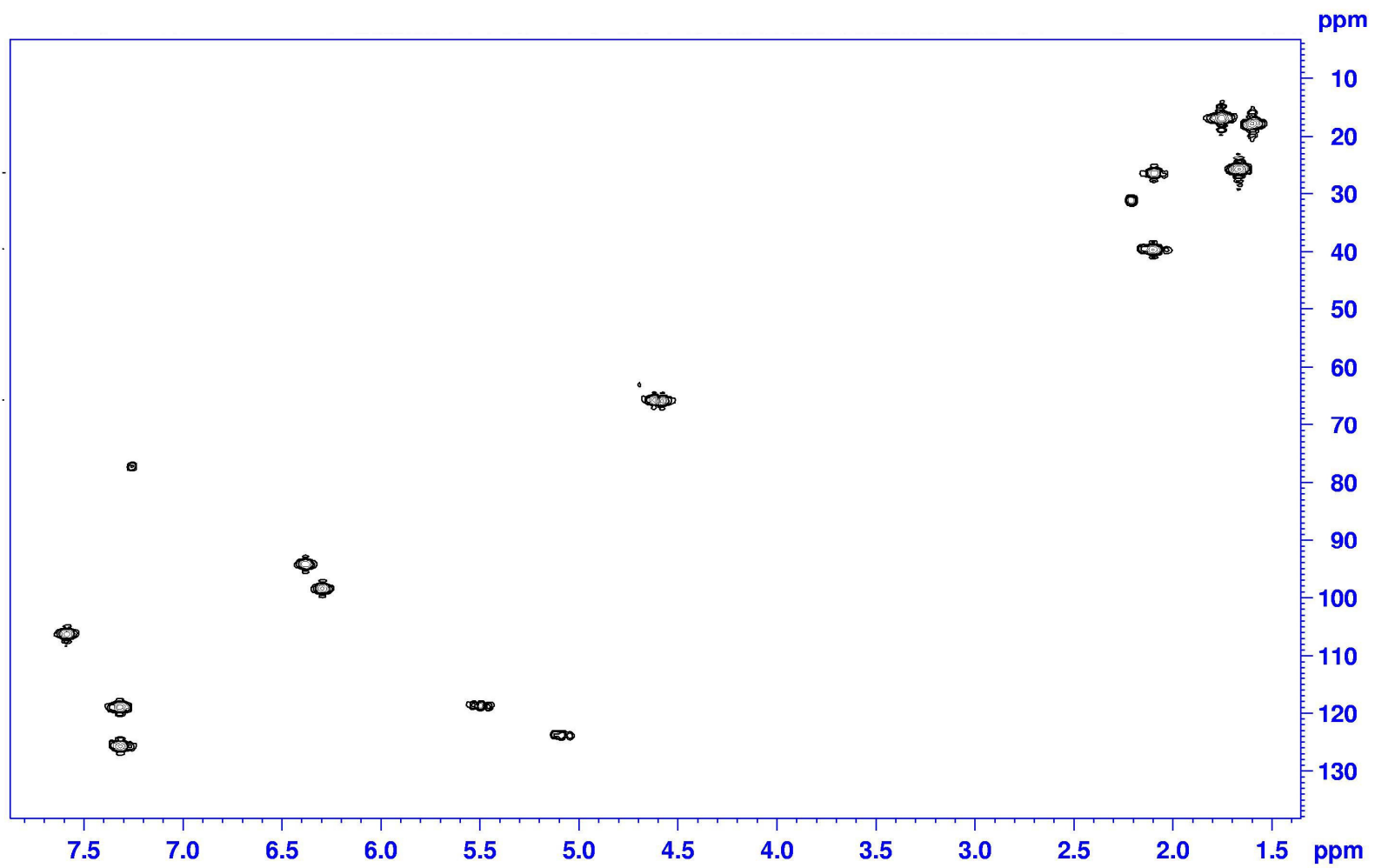
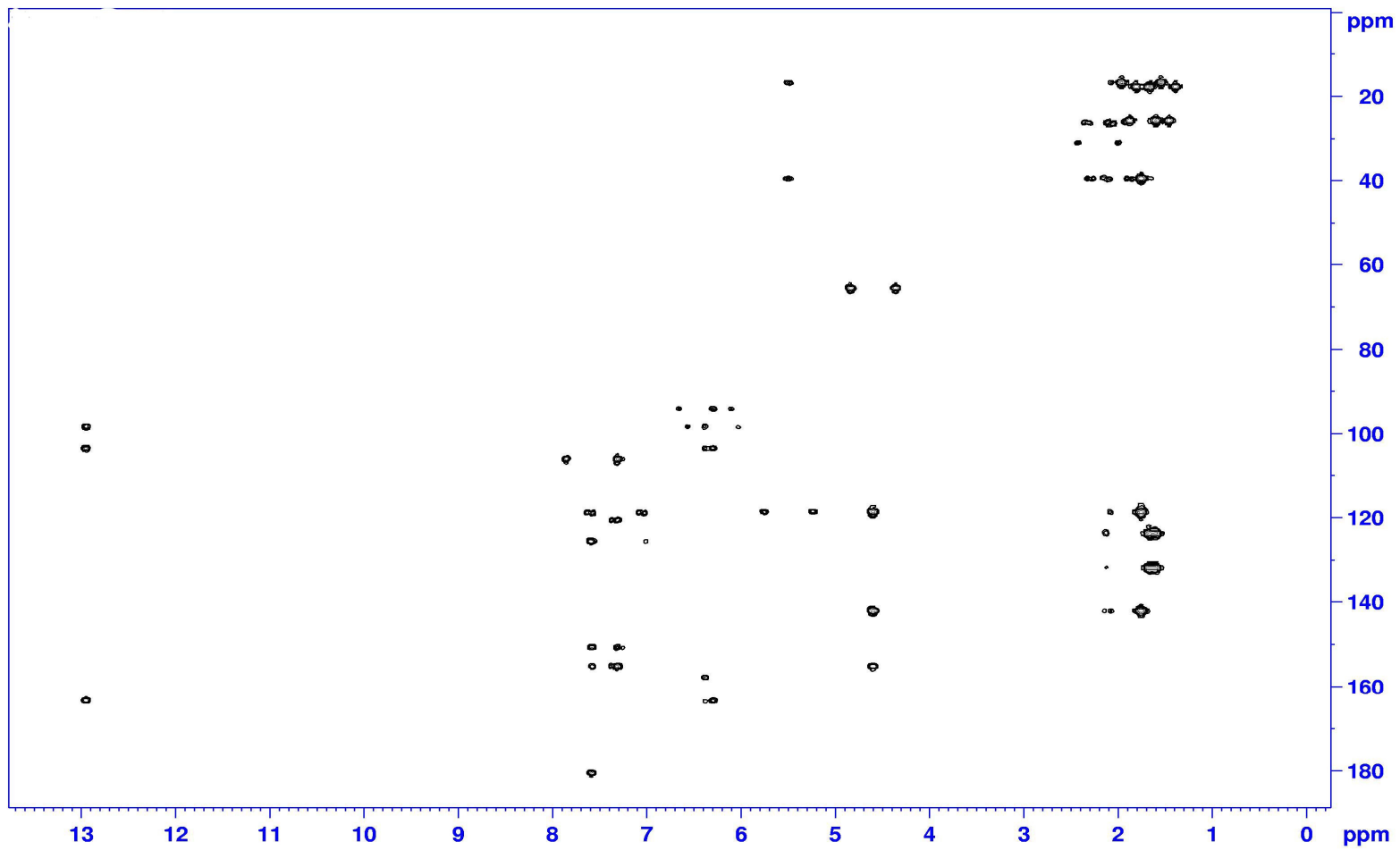
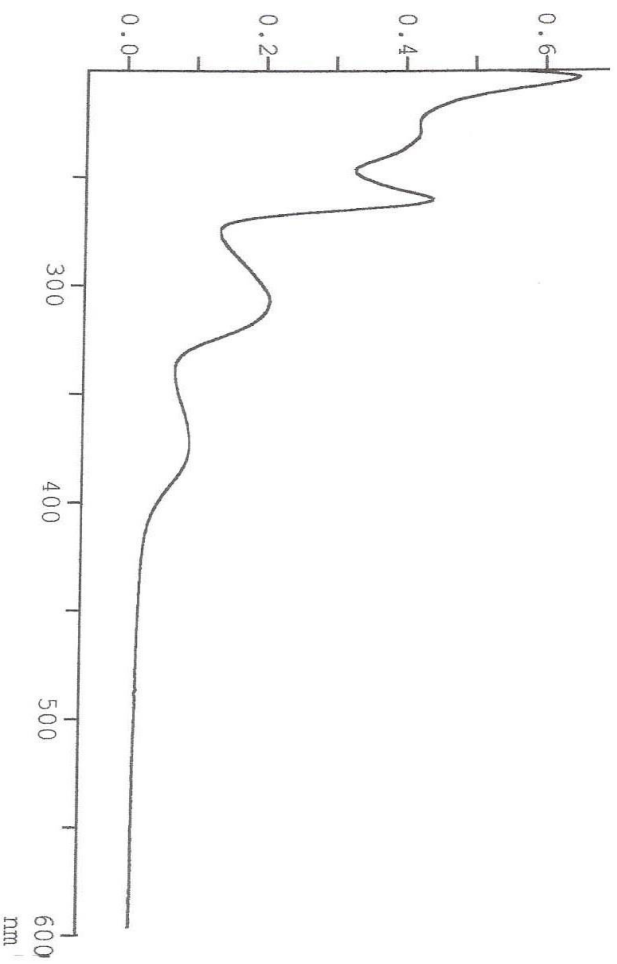


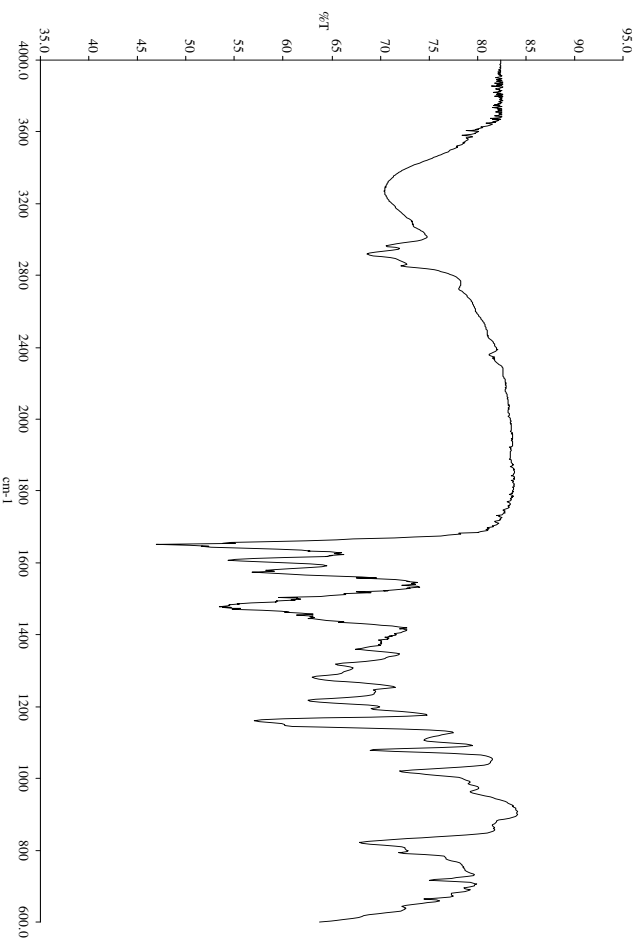
Figure 20 2D HMQC spectrum of PS4



**Figure 21** 2D HMBC spectrum of PS4

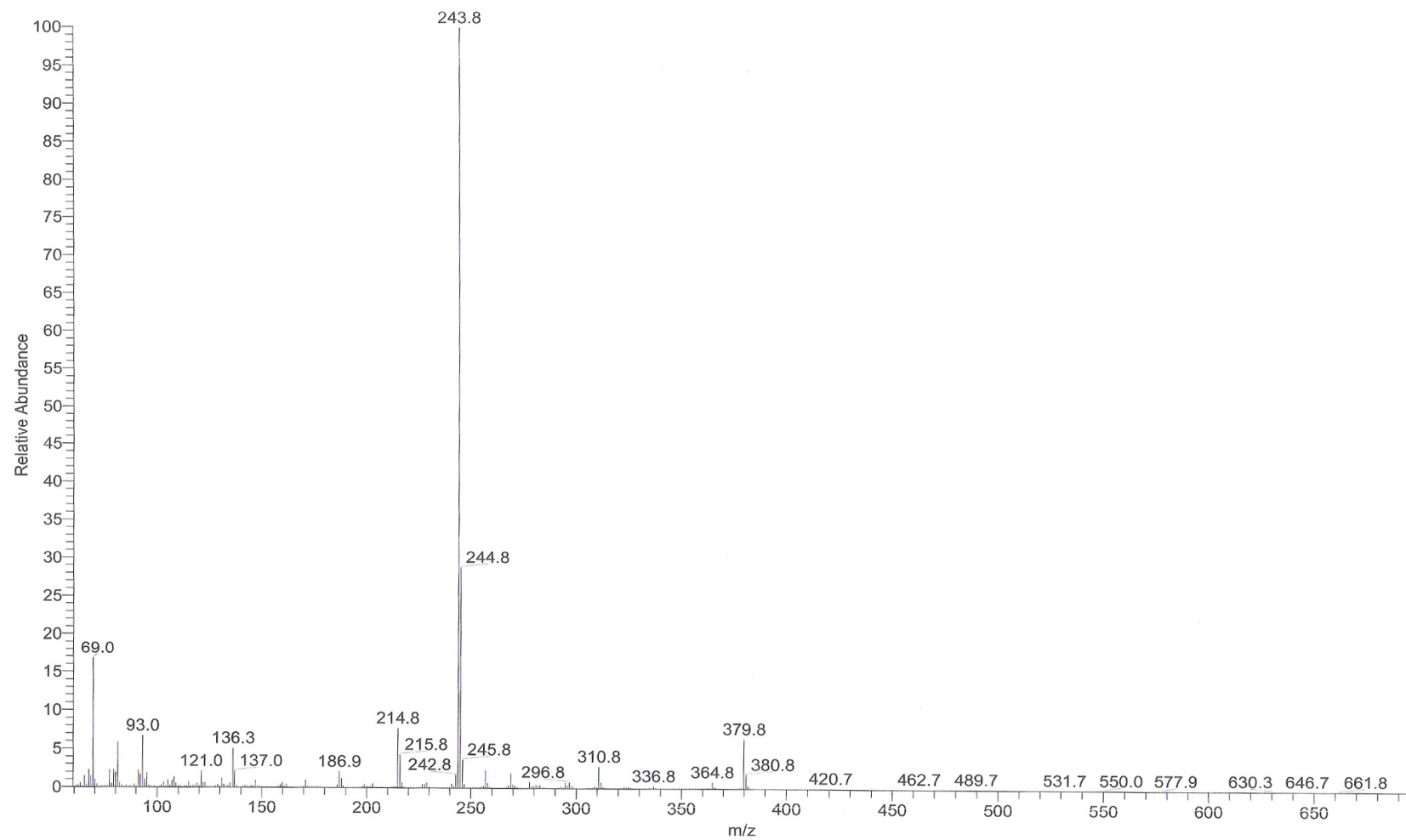


**Figure 22** UV (EtOH) spectrum of PSS



**Figure 23** FT-IR (KBr) spectrum of PSS





**Figure 24** EI-MS spectrum of PS5

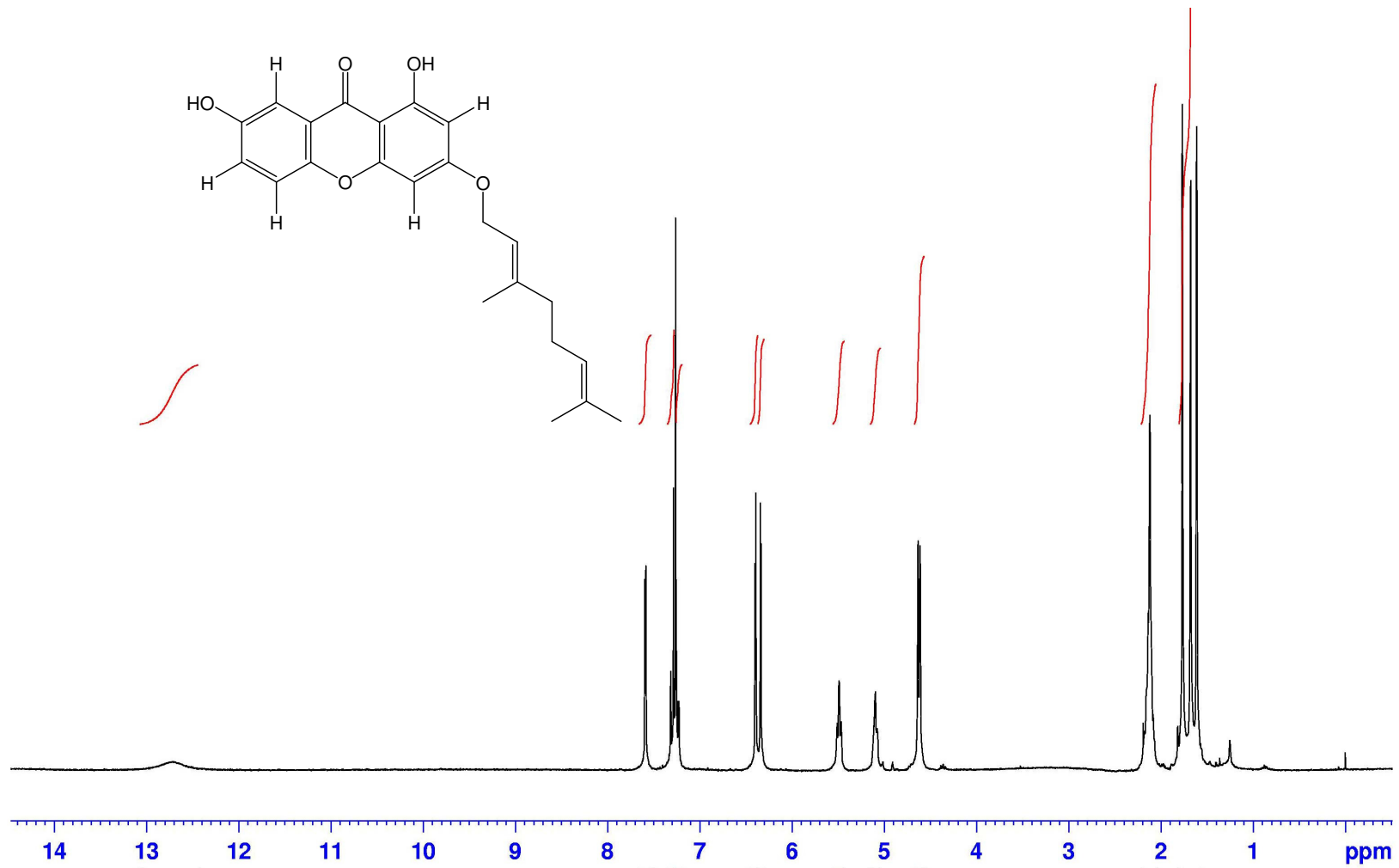
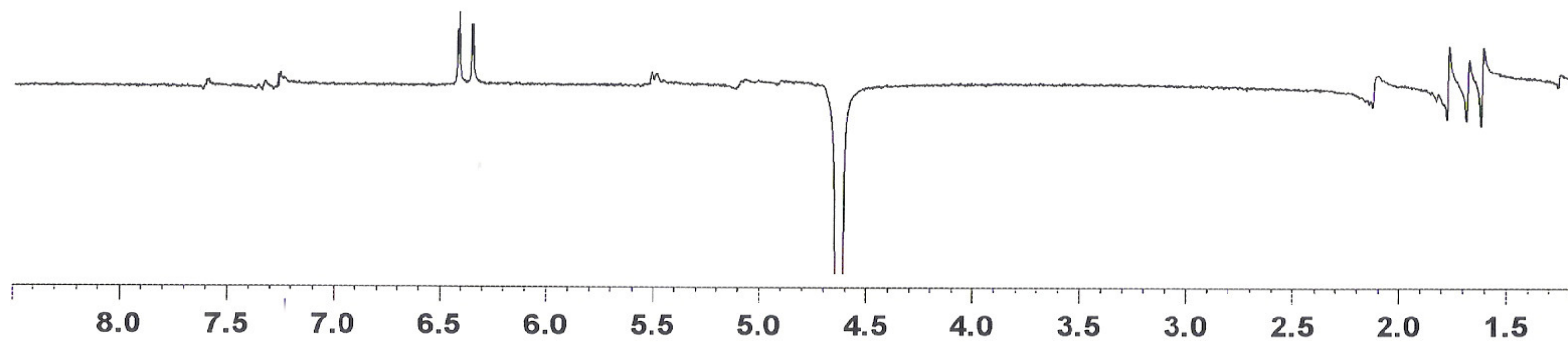
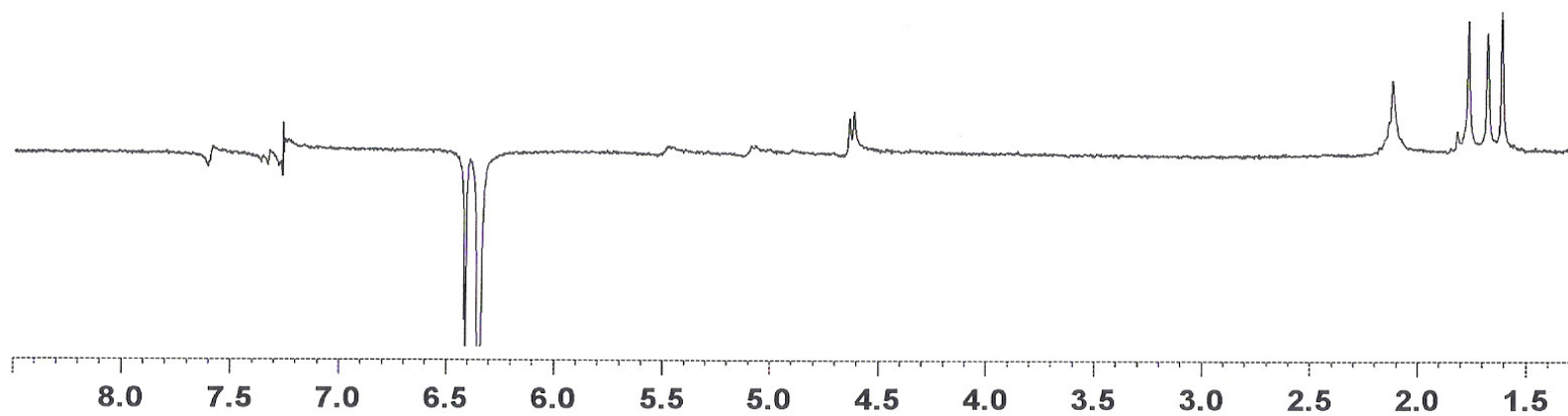


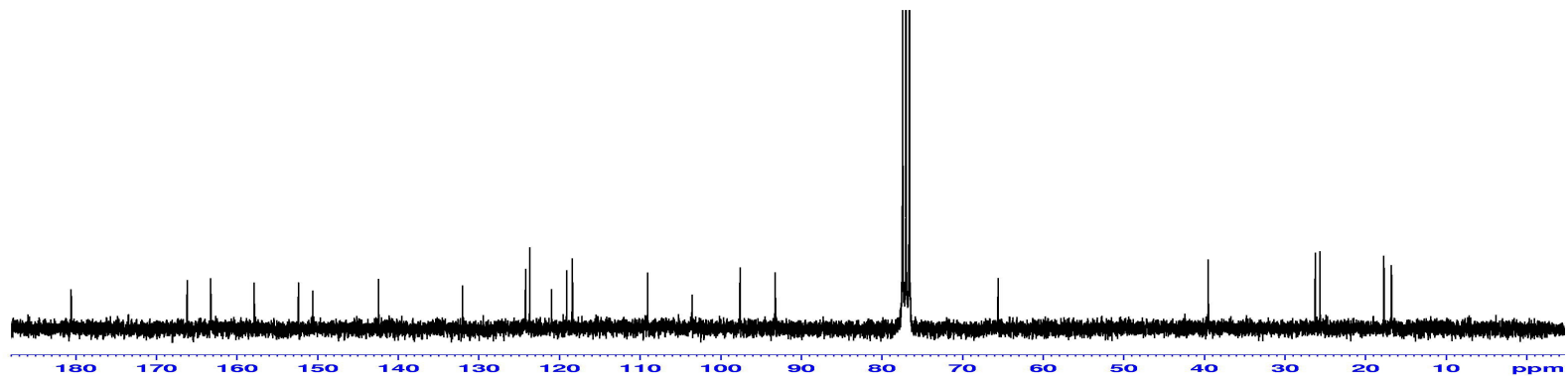
Figure 25  $^1\text{H}$  NMR (300 MHz) ( $\text{CDCl}_3$ ) spectrum of PS5



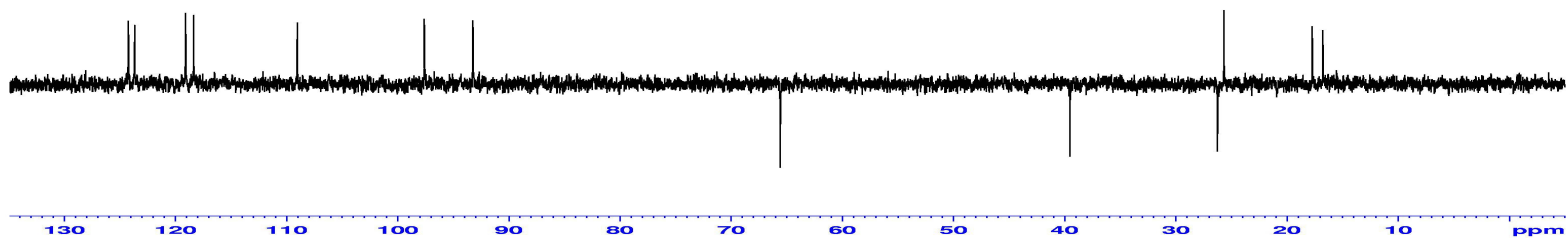
**Figure 26** NOEDIFF spectrum of **PS5** after irradiation at  $\delta_H$  4.62



**Figure 27** NOEDIFF spectrum of **PS5** after irradiation at  $\delta_H$  6.39



**Figure 28**  $^{13}\text{C}$  NMR (75 MHz) ( $\text{CDCl}_3$ ) spectrum of **PS5**



**Figure 29** DEPT 135 $^\circ$  ( $\text{CDCl}_3$ ) spectrum of **PS5**

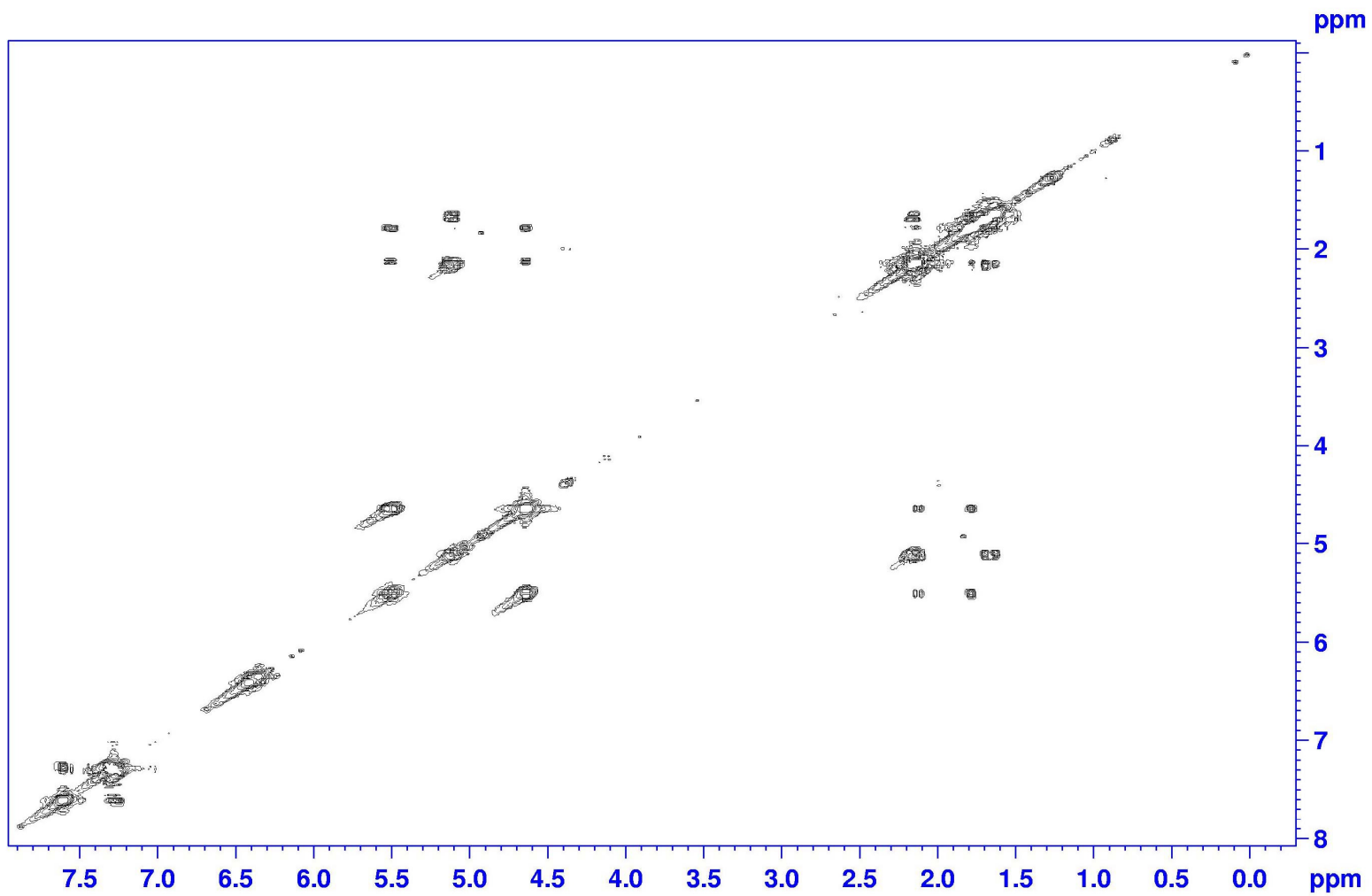
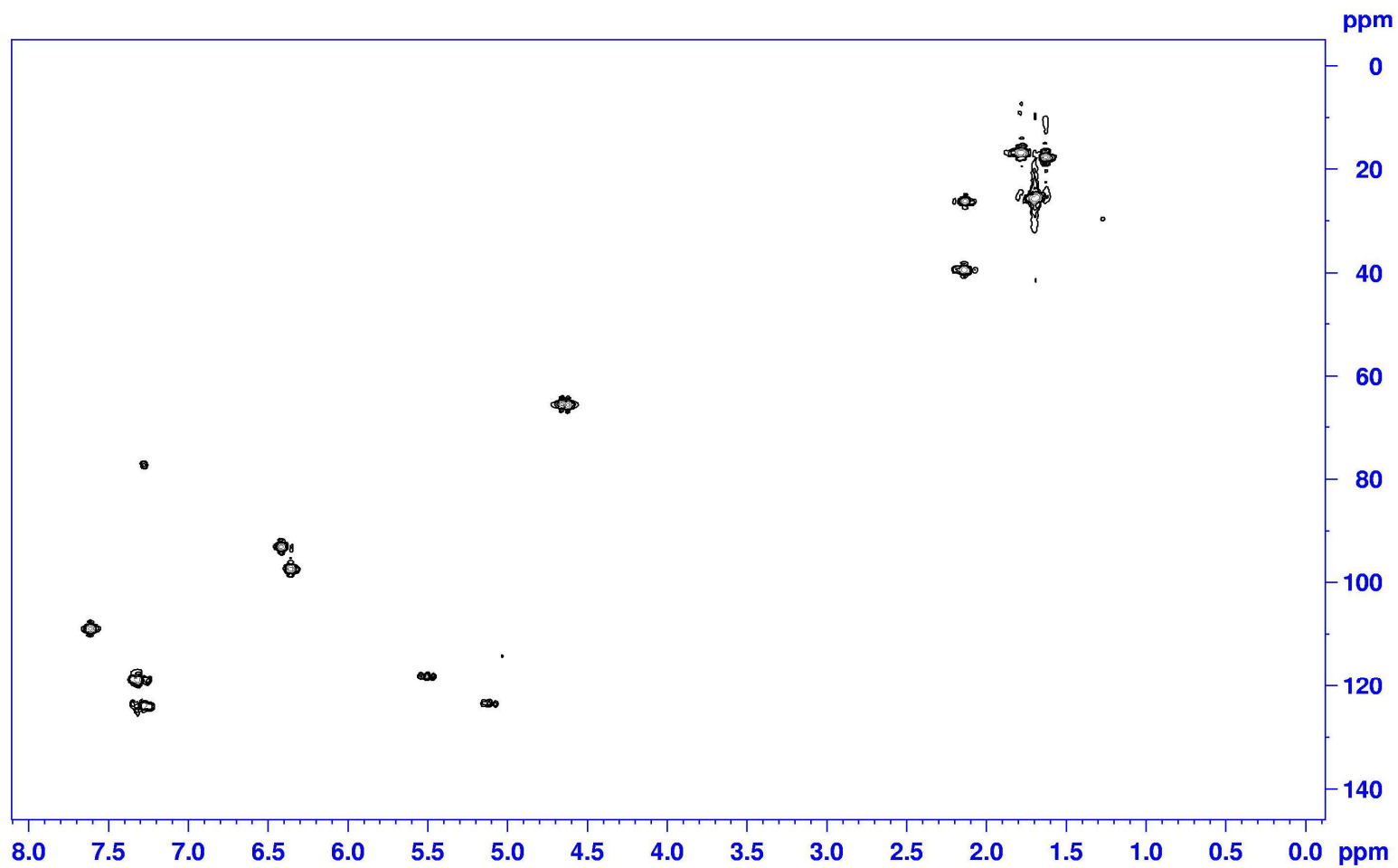


Figure 30  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of PS5



**Figure 31** 2D HMQC spectrum of **PS5**

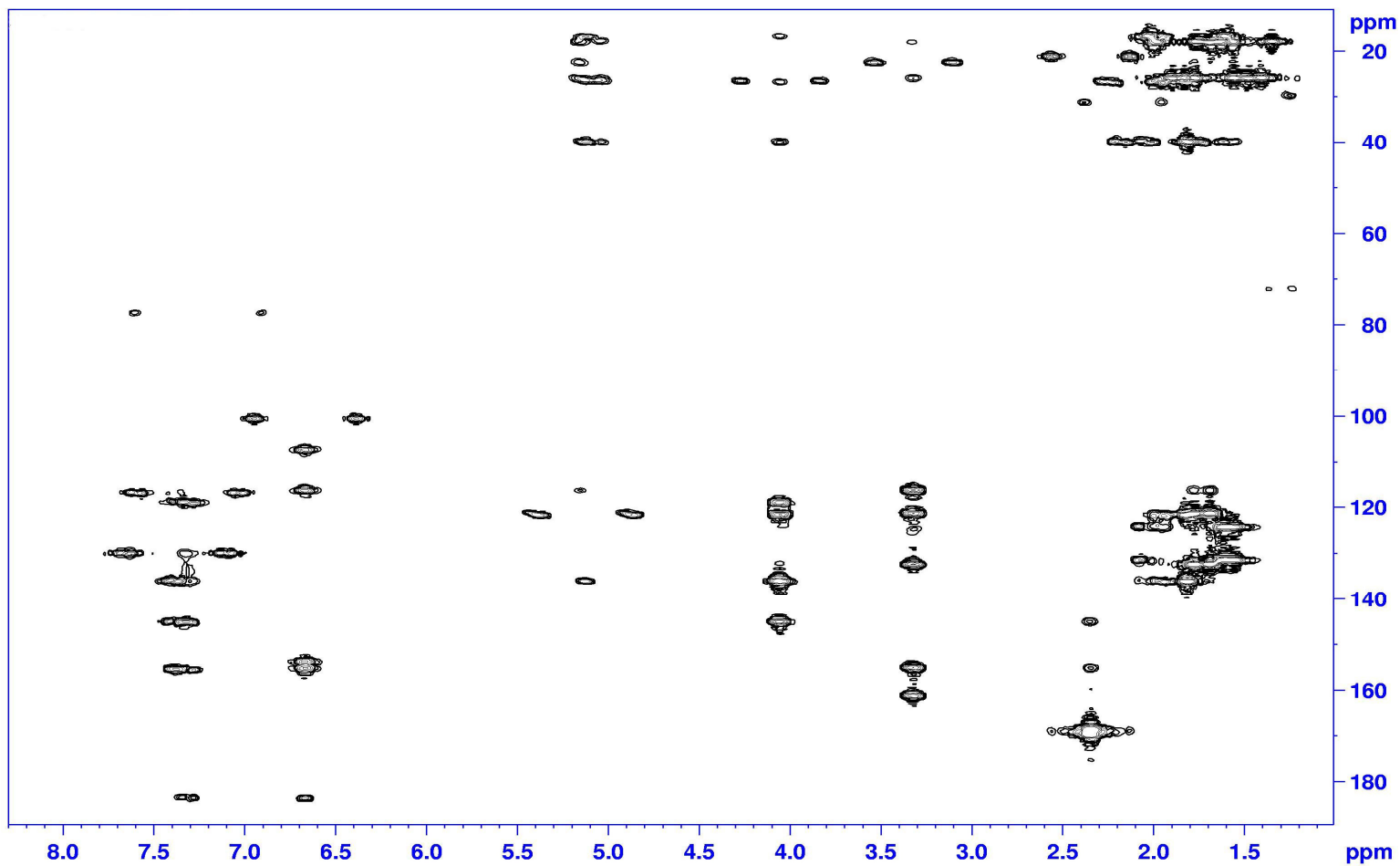
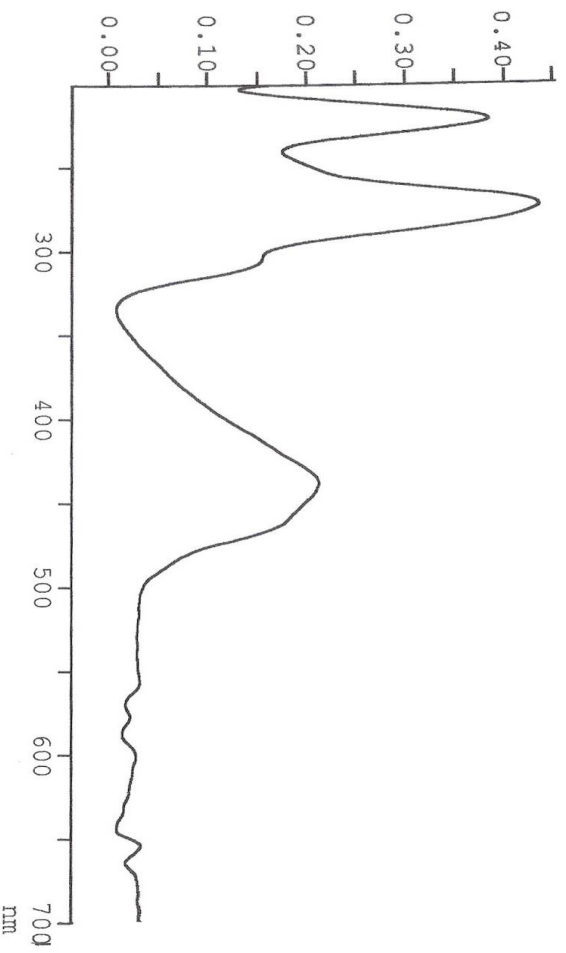
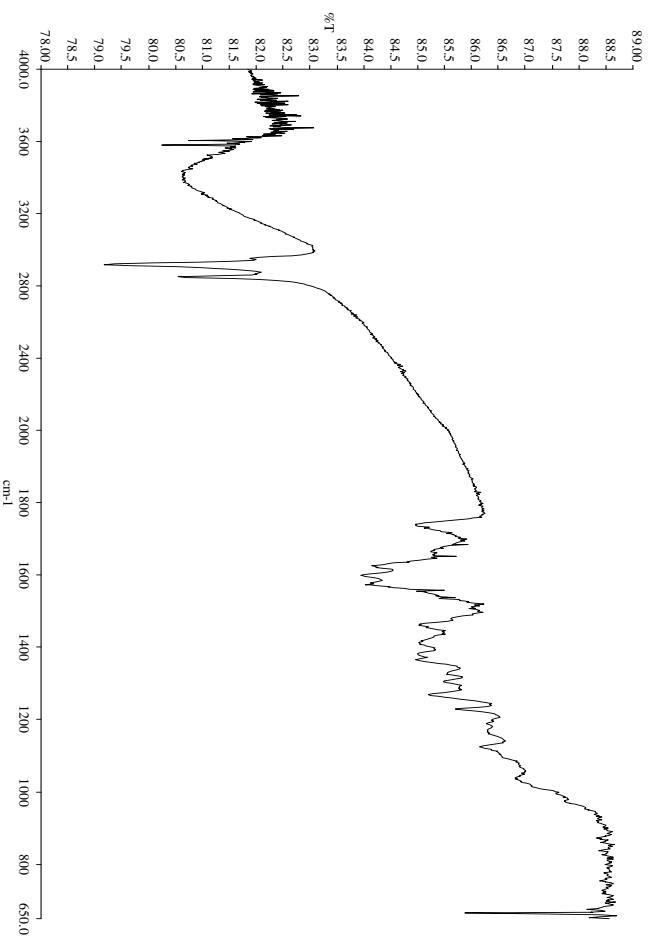


Figure 32 2D HMBC spectrum of PS5

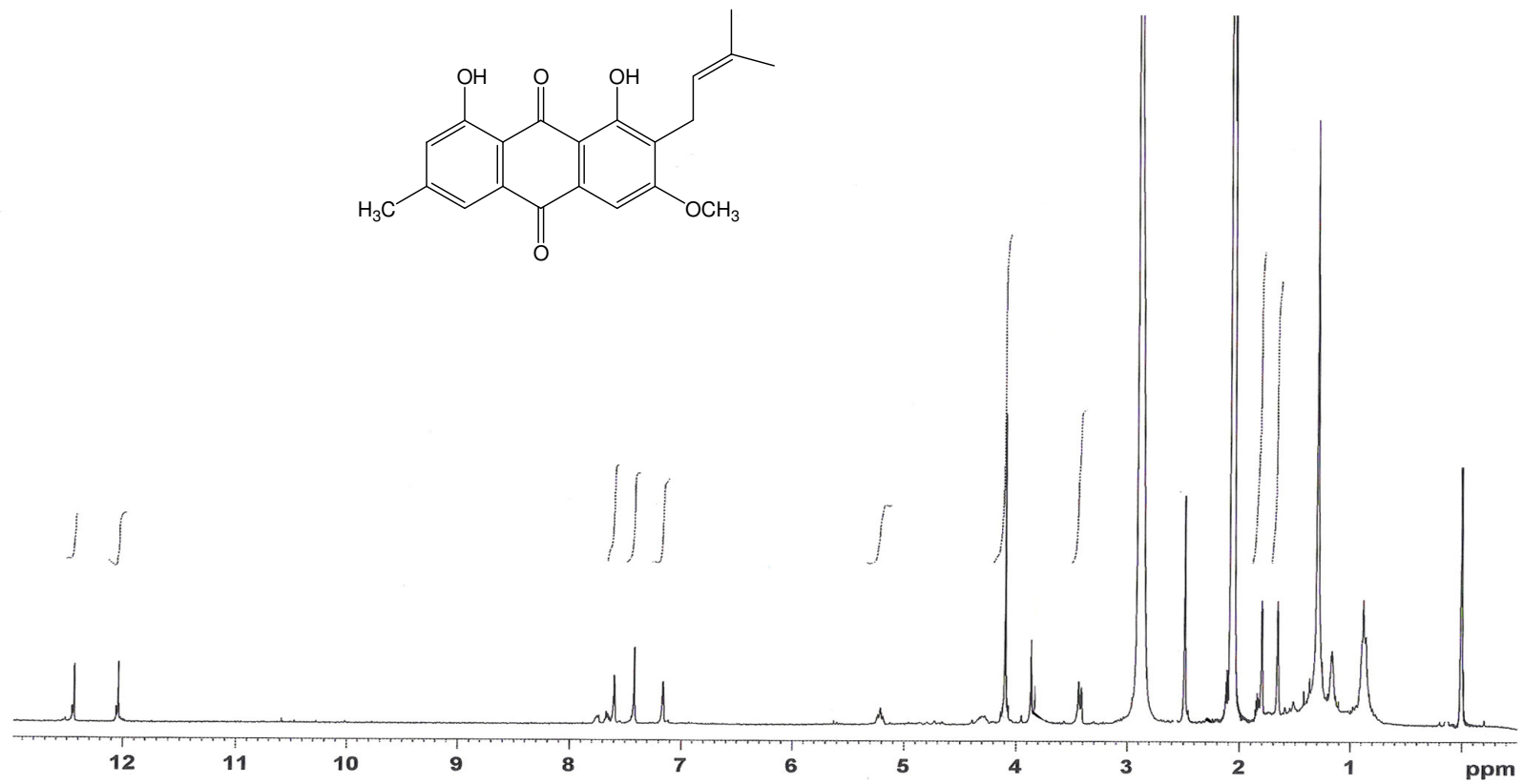


**Figure 33** UV (EtOH) spectrum of **PS6**

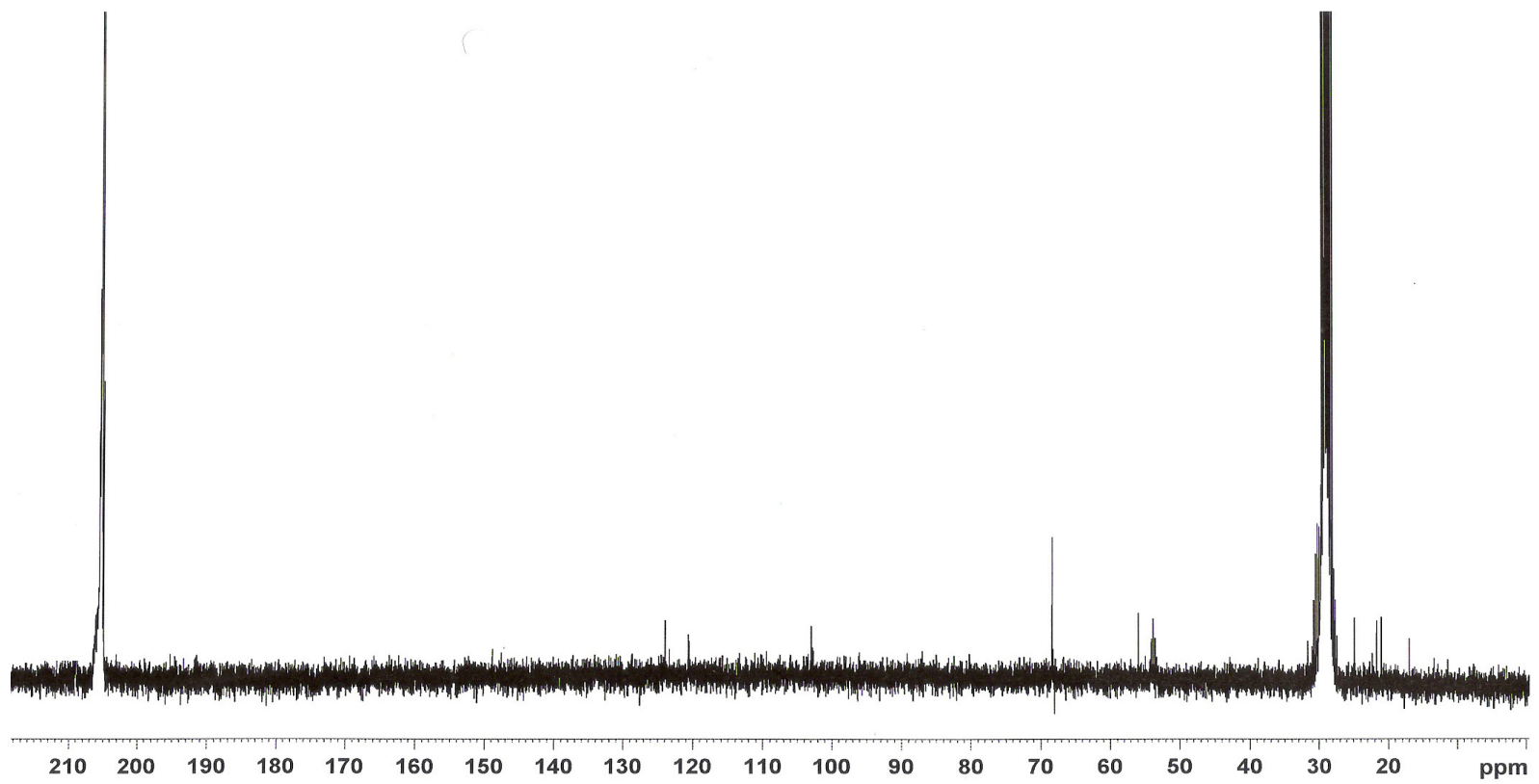


**Figure 34** FT-IR (KBr) spectrum of **PS6**





**Figure 35** <sup>1</sup>H NMR (300 MHz) (Acetone-*d*<sub>6</sub>) spectrum of **PS6**



**Figure 36**  $^{13}\text{C}$  NMR (75 MHz) (Acetone- $d_6$ ) spectrum of **PS6**

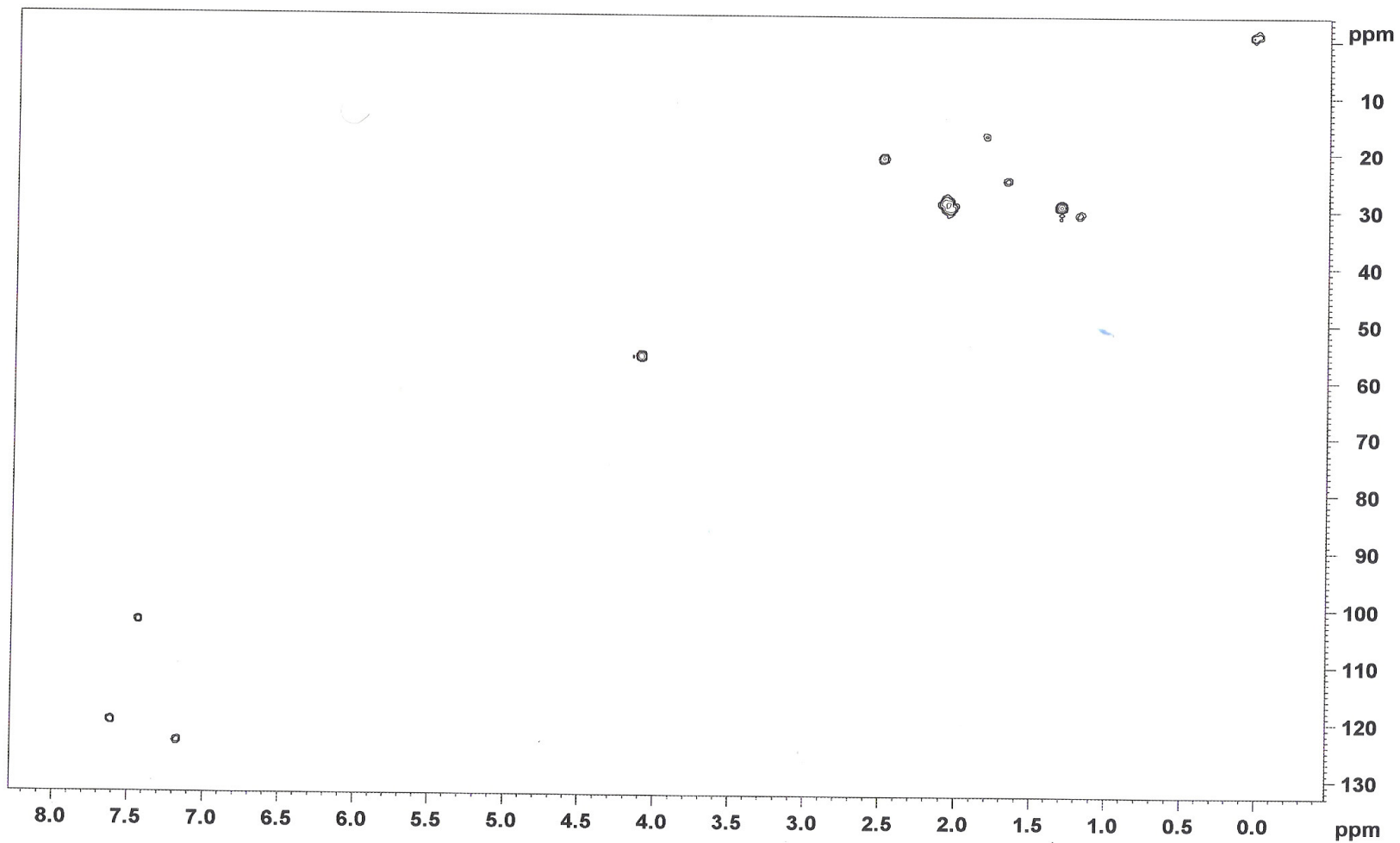
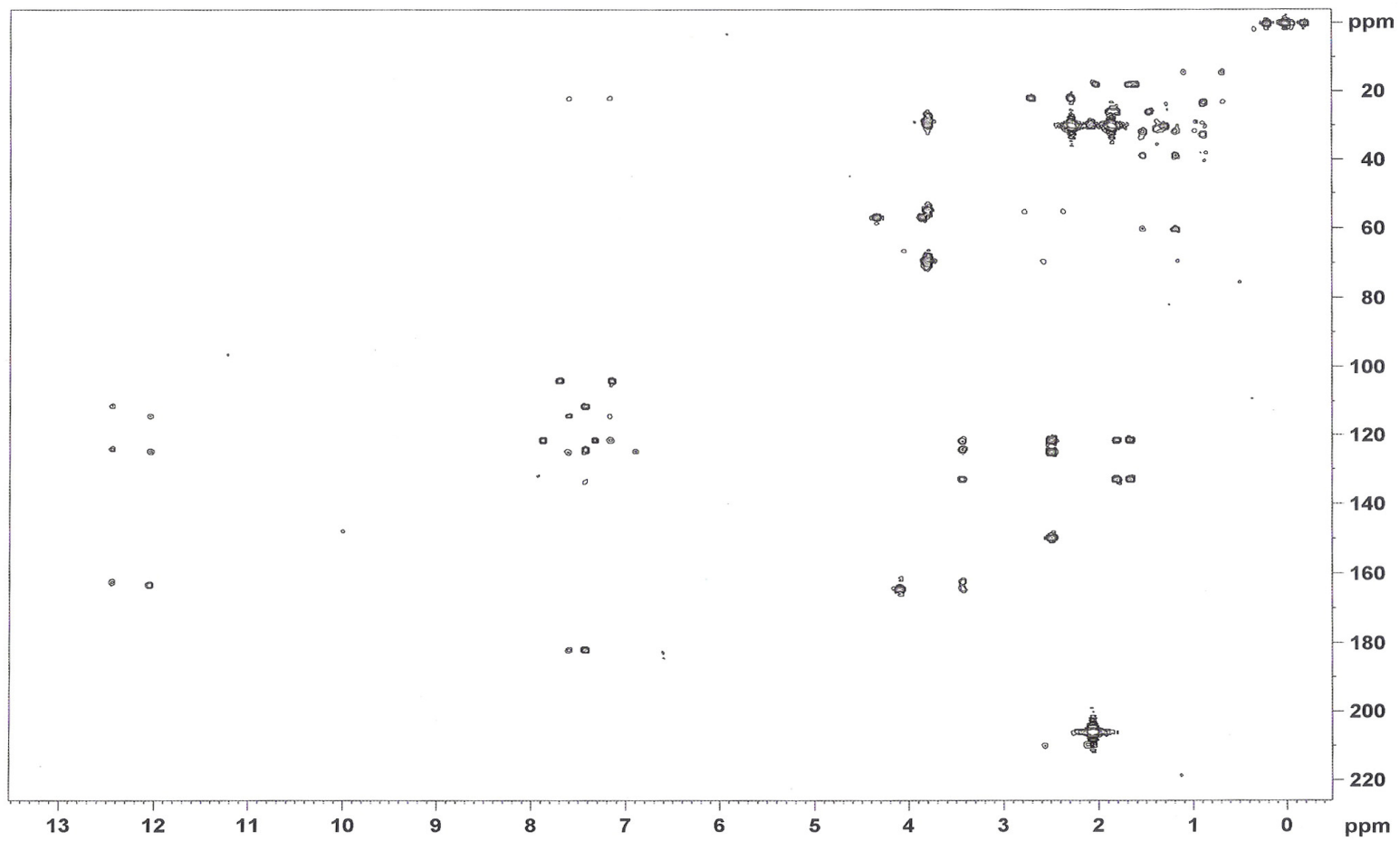
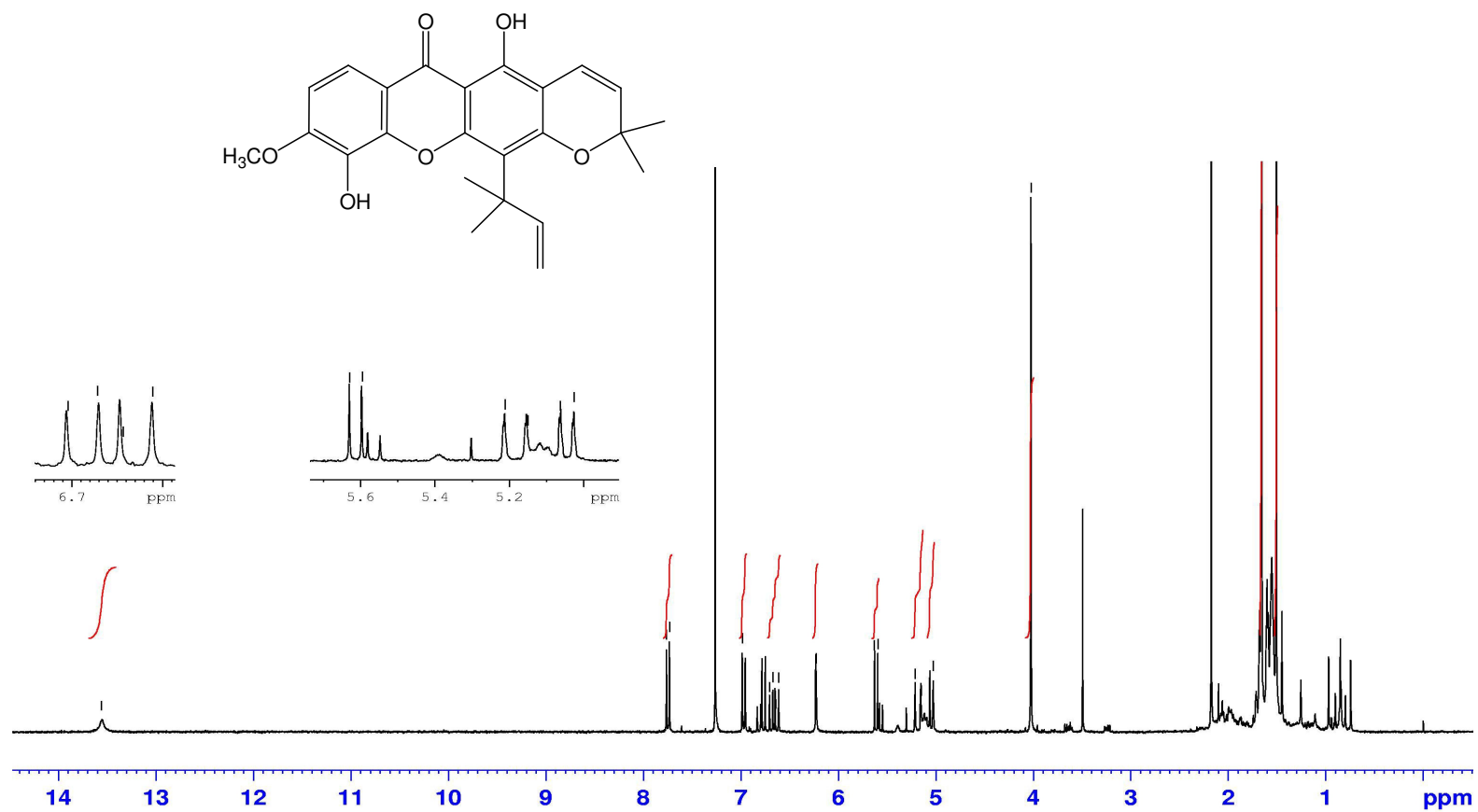


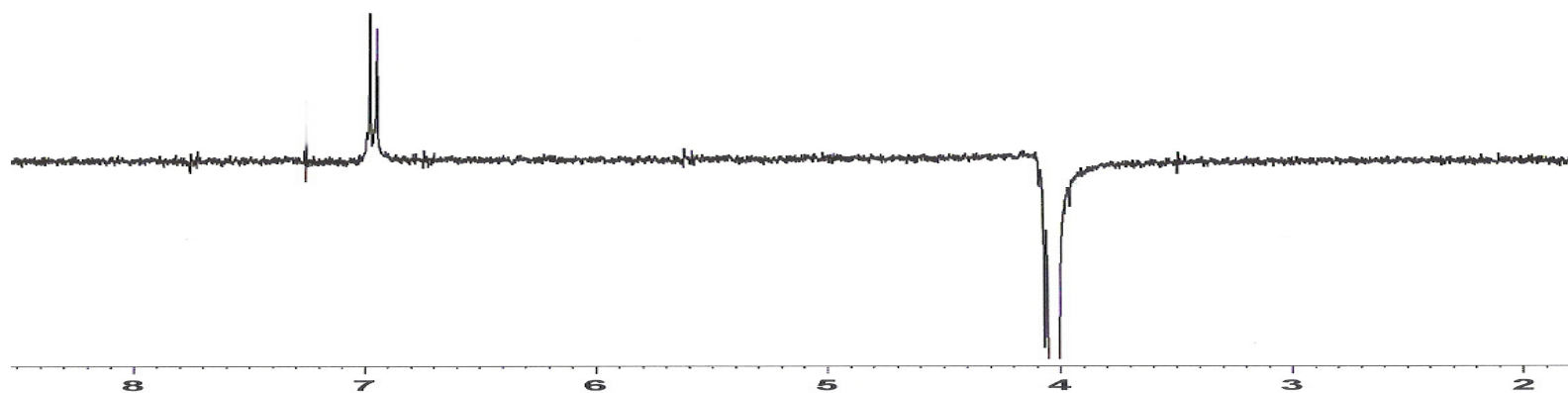
Figure 37 2D HMQC spectrum of PS6



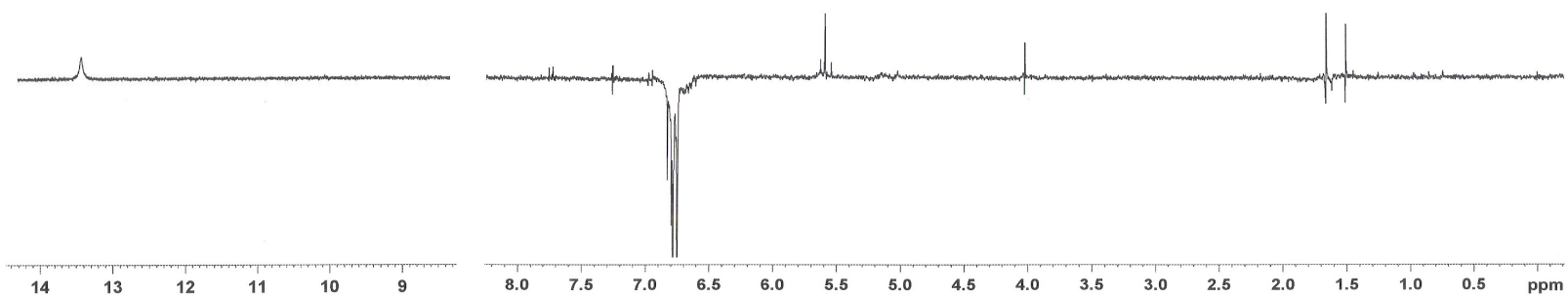
**Figure 38** 2D HMBC spectrum of PS6



**Figure 39** <sup>1</sup>H NMR (300 MHz) (CDCl<sub>3</sub>) spectrum of **PS7**



**Figure 40** NOEDIFF spectrum of **PS7** after irradiation at  $\delta_H$  4.09



**Figure 41** NOEDIFF spectrum of **PS7** after irradiation at  $\delta_H$  6.76

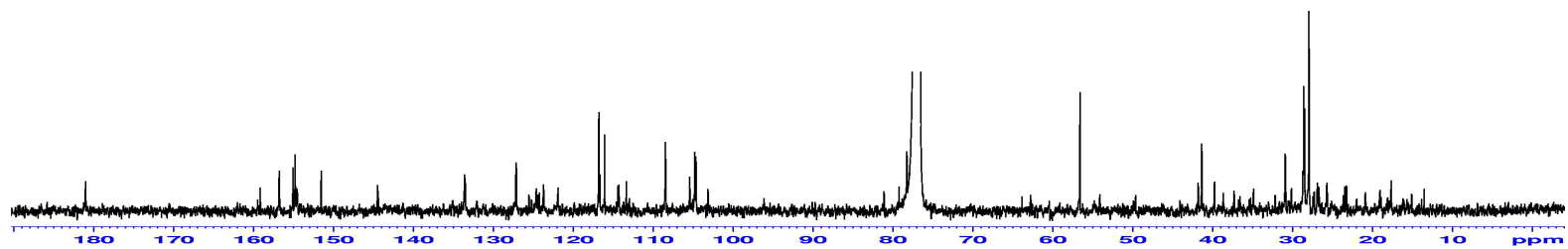


Figure 42  $^{13}\text{C}$  NMR (125 MHz) ( $\text{CDCl}_3$ ) spectrum of **PS7**

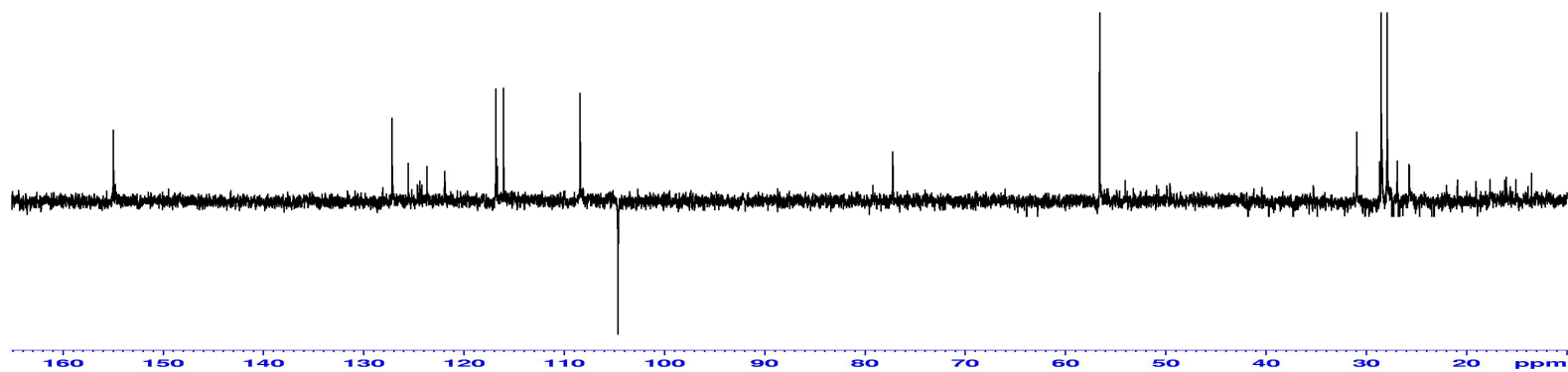


Figure 43 DEPT 135 $^\circ$  ( $\text{CDCl}_3$ ) spectrum of **PS7**





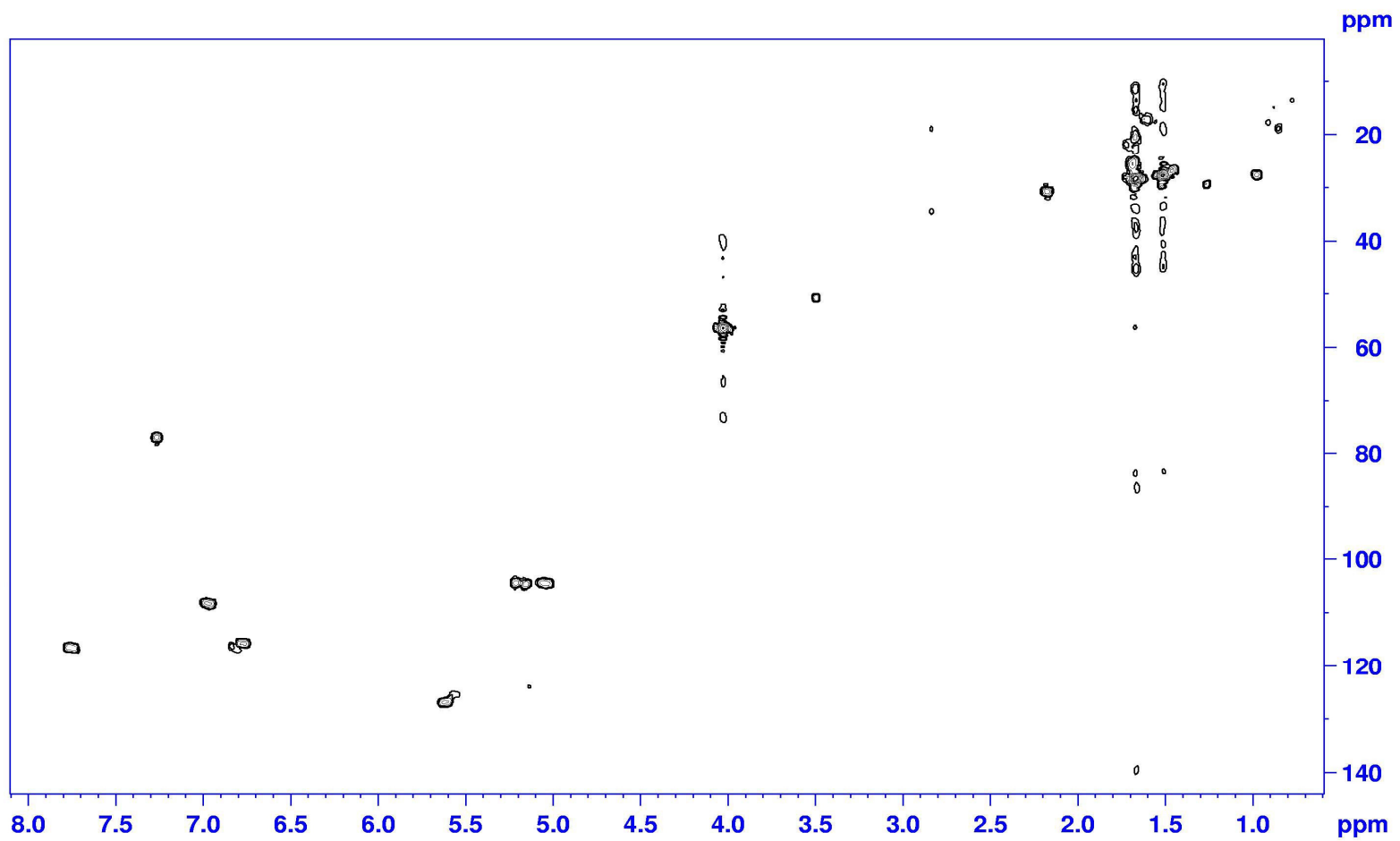


Figure 45 2D HMQC spectrum of PS7

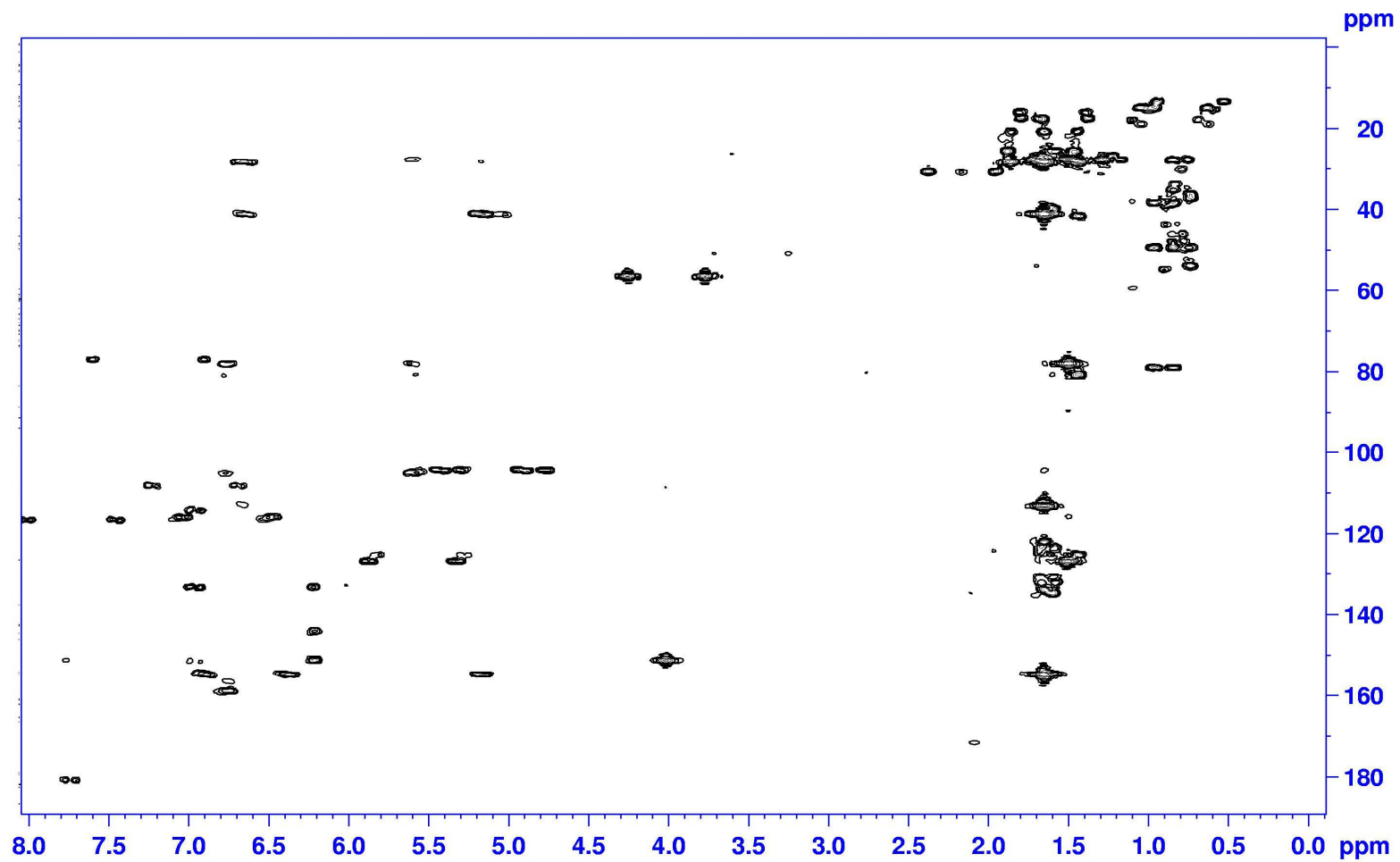
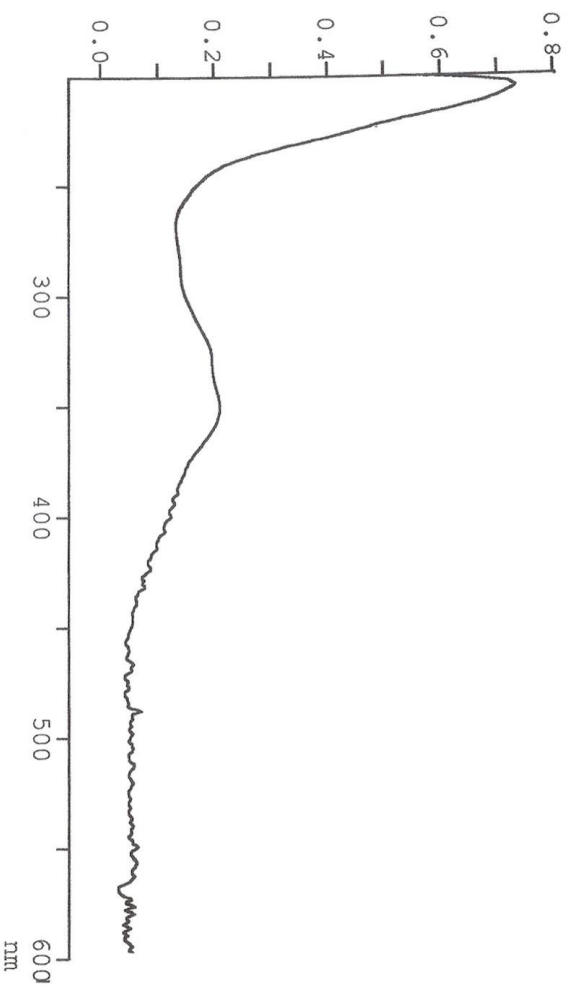
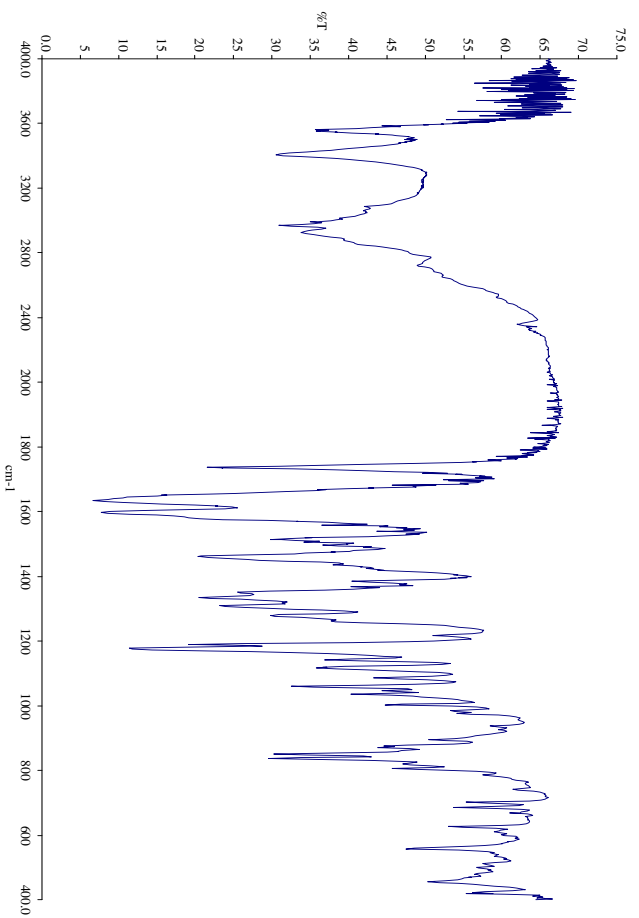


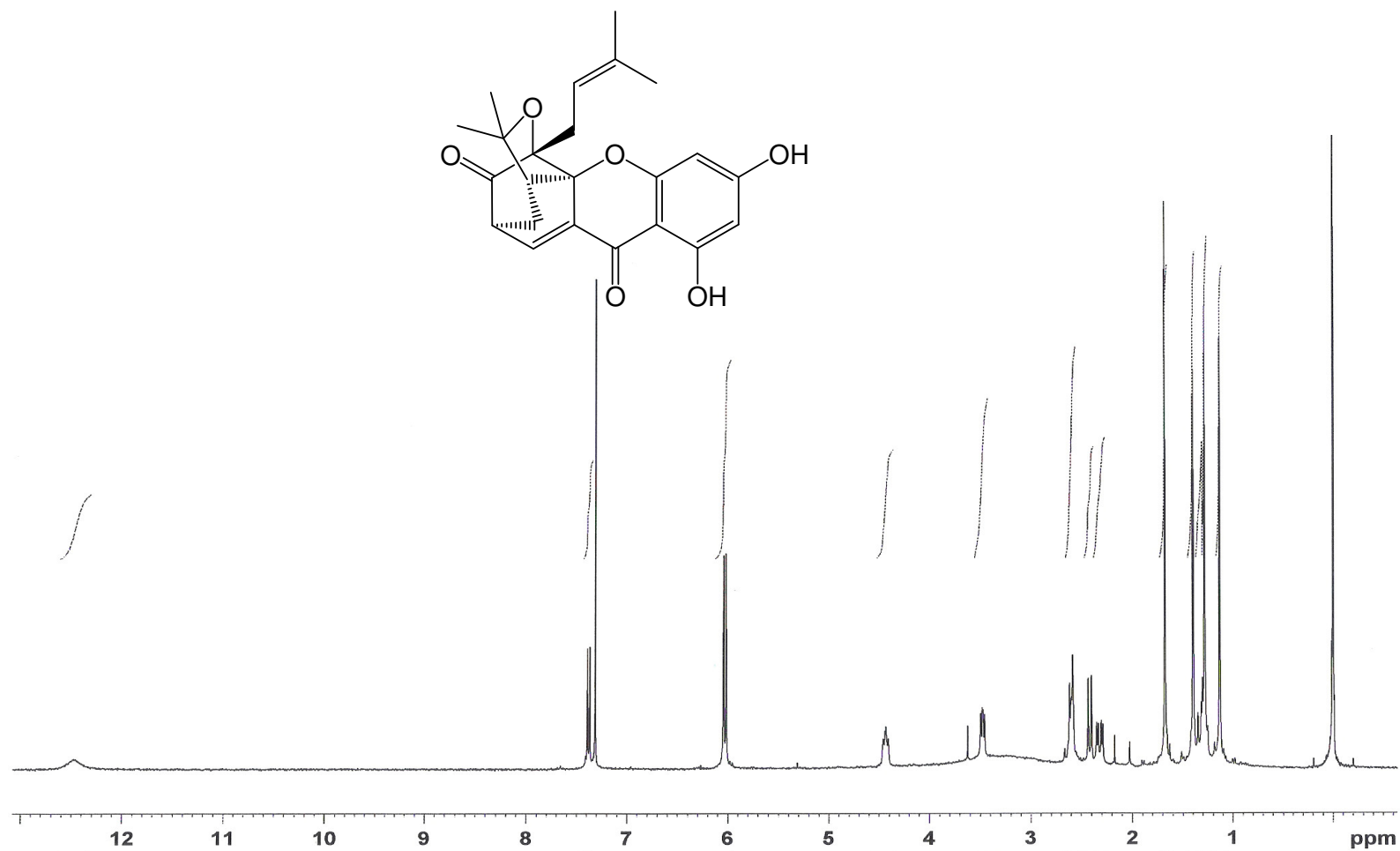
Figure 46 2D HMBC spectrum of PS7



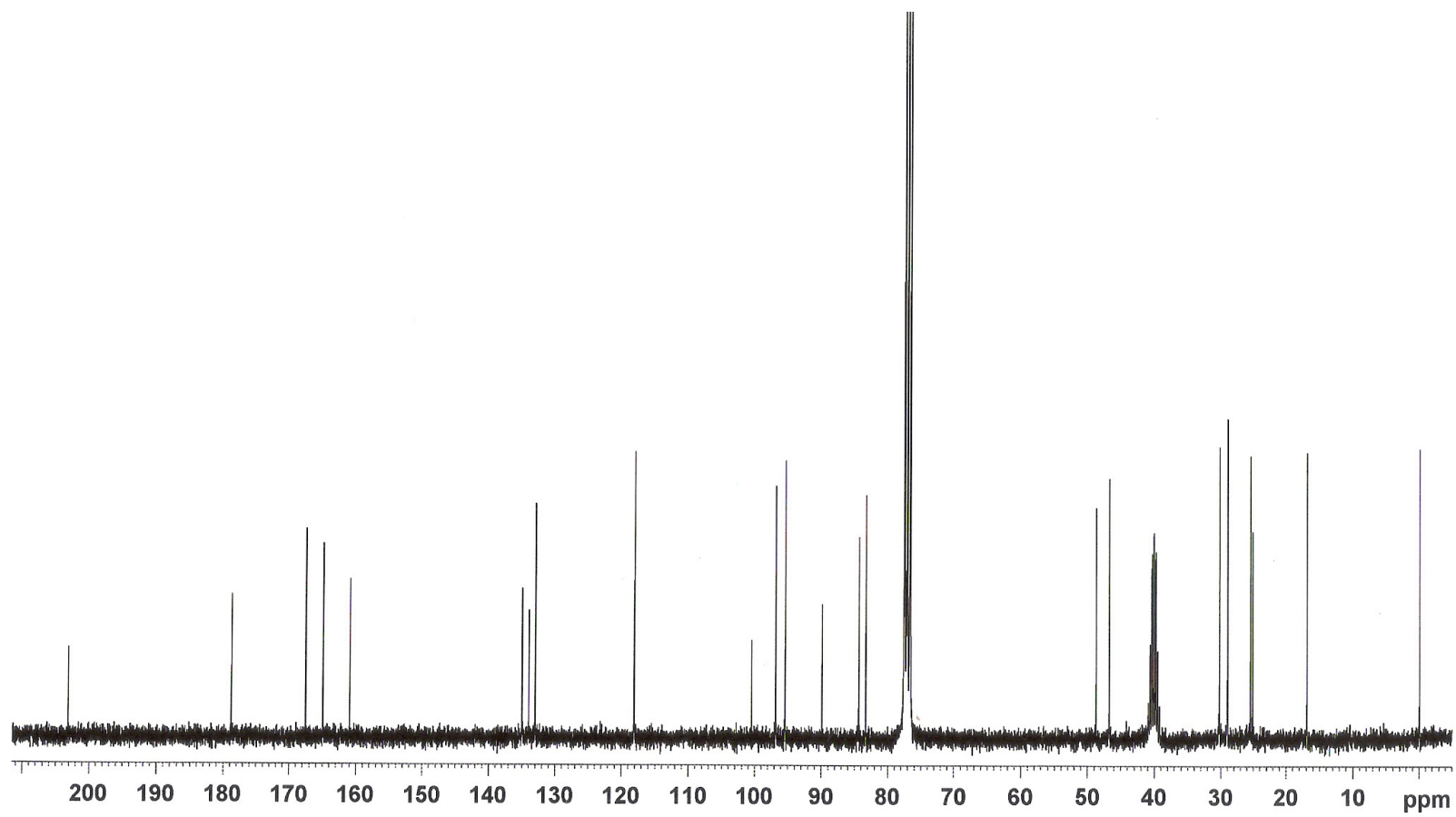
**Figure 47** UV (EtOH) spectrum of **PS8**



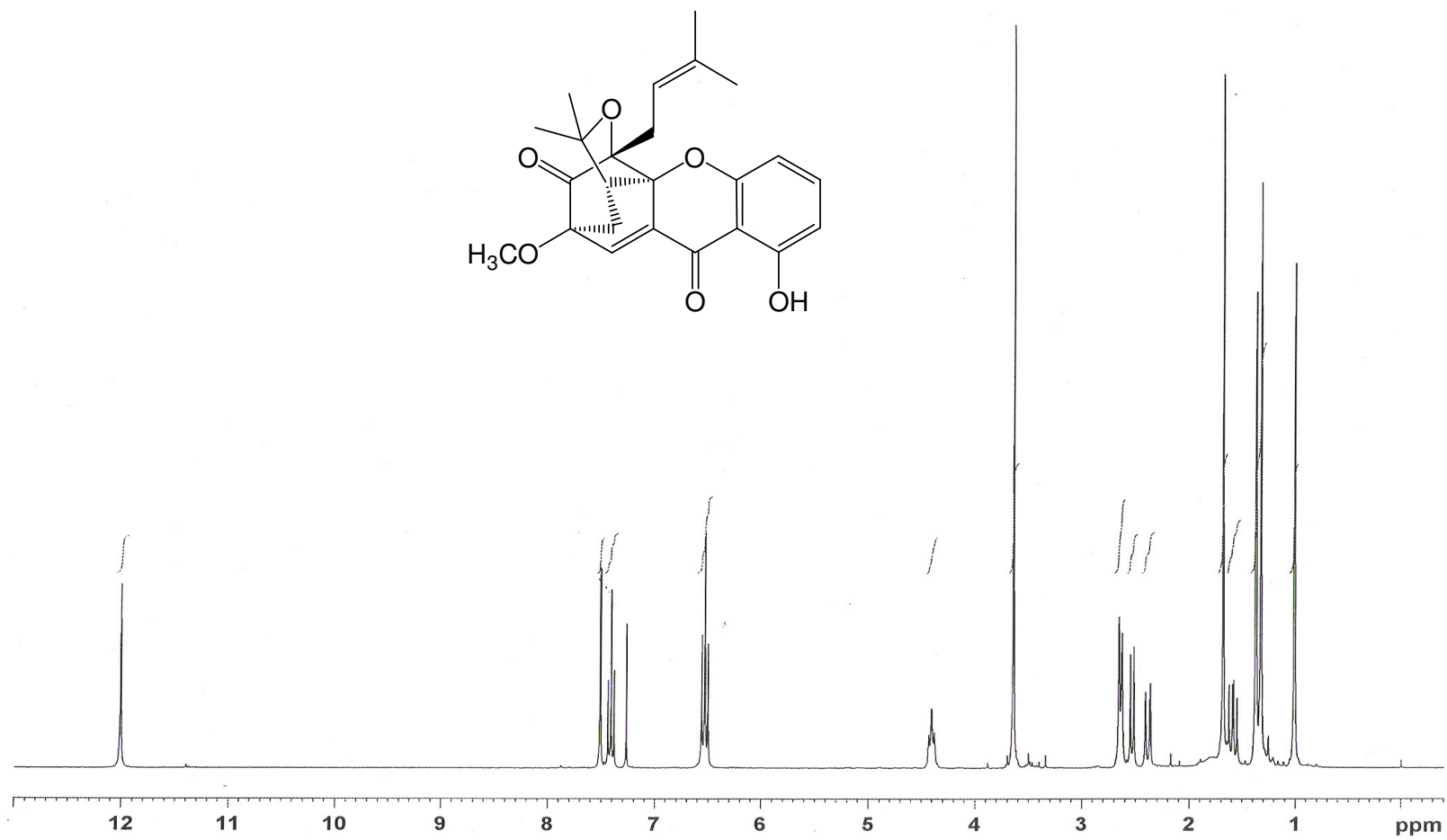
**Figure 48** FT-IR (KBr) spectrum of **PS8**



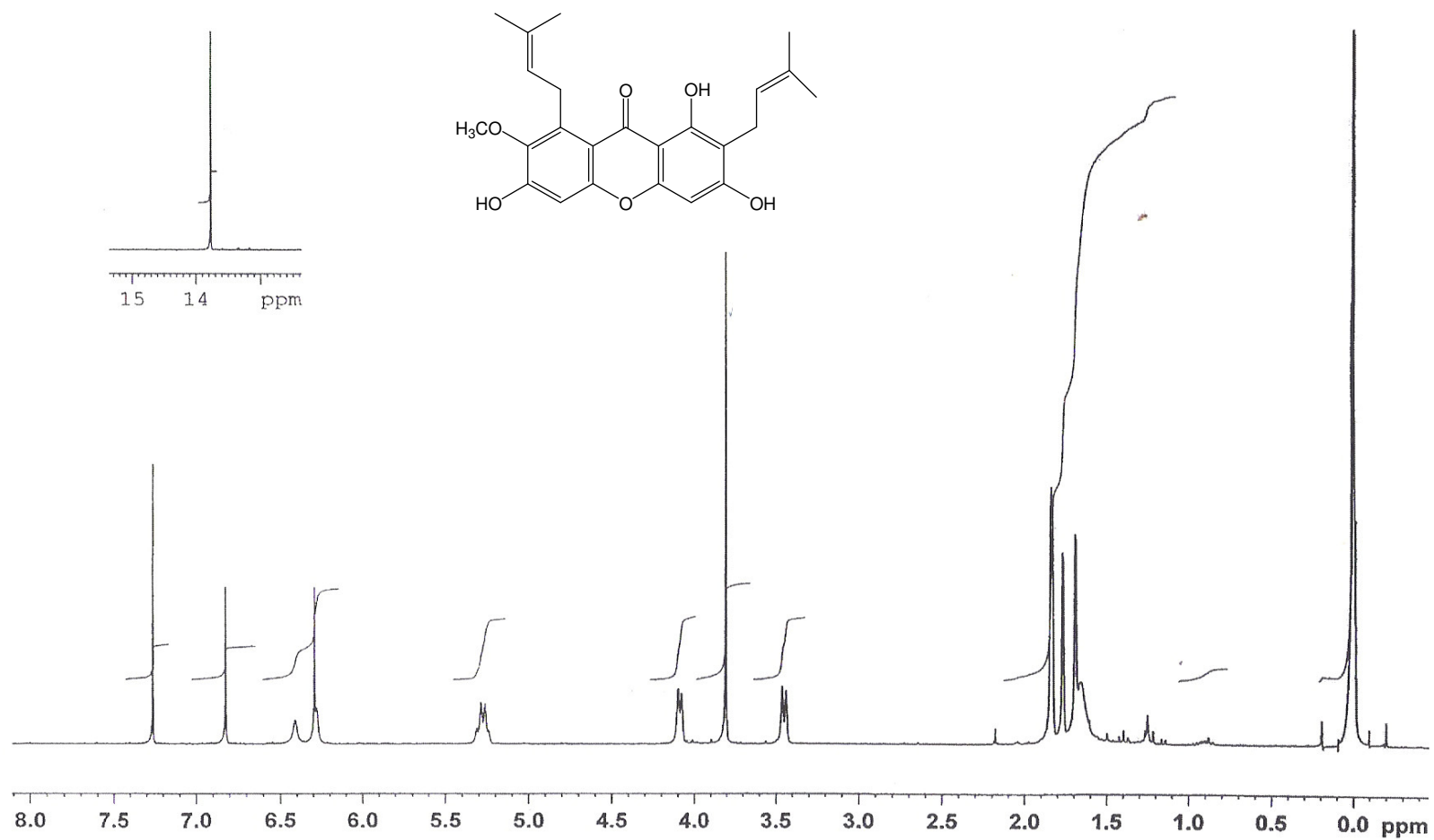
**Figure 49** <sup>1</sup>H NMR (300 MHz) (CDCl<sub>3</sub>+DMSO-*d*<sub>6</sub>) spectrum of **PS8**



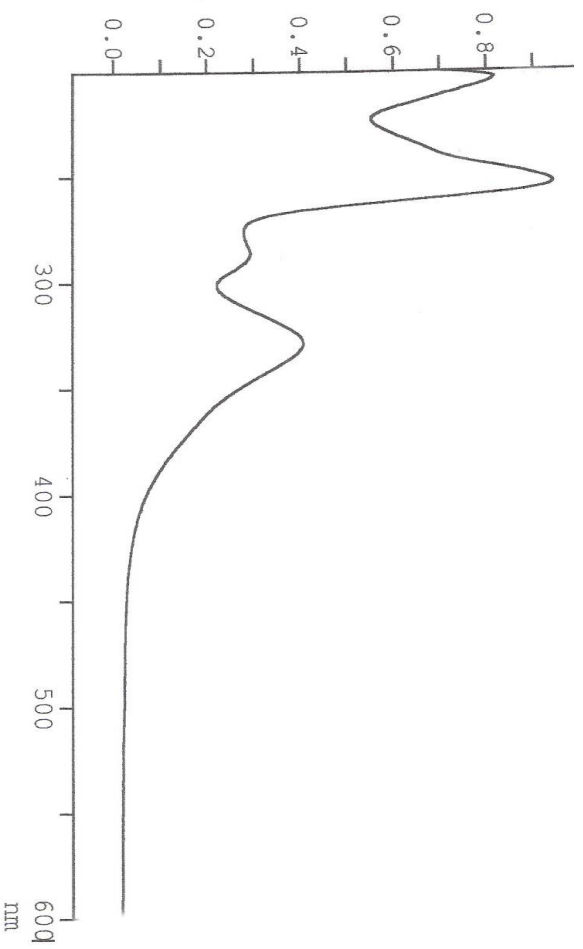
**Figure 50**  $^{13}\text{C}$  NMR (75 MHz) ( $\text{CDCl}_3+\text{DMSO}-d_6$ ) spectrum of PS8



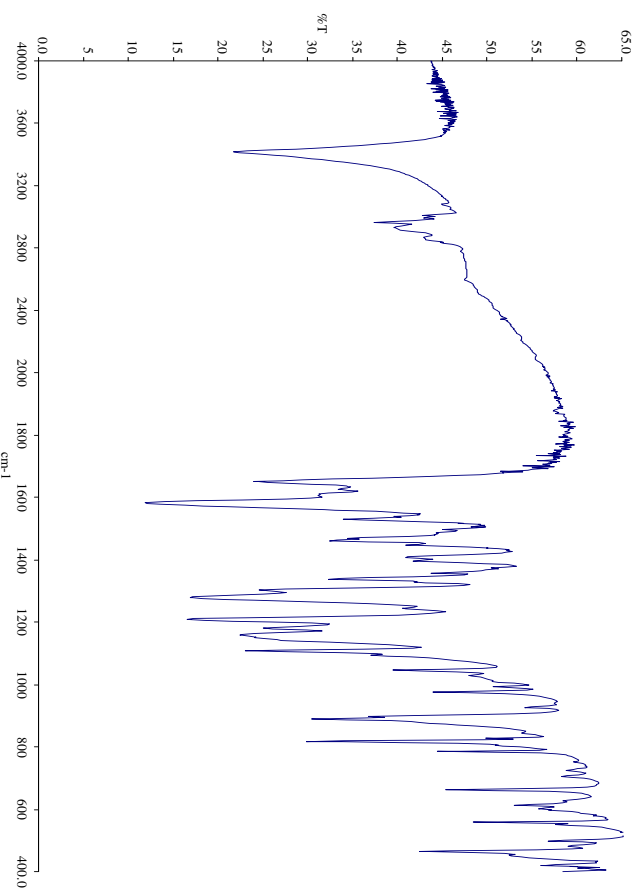
**Figure 51** <sup>1</sup>H NMR (300 MHz) (CDCl<sub>3</sub>) spectrum of **PS9**



**Figure 52**  $^1\text{H}$  NMR (300 MHz) ( $\text{CDCl}_3$ ) spectrum of **PS10**



**Figure 53** UV (EtOH) spectrum of **PS11**



**Figure 54** FT-IR (KBr) spectrum of **PS11**



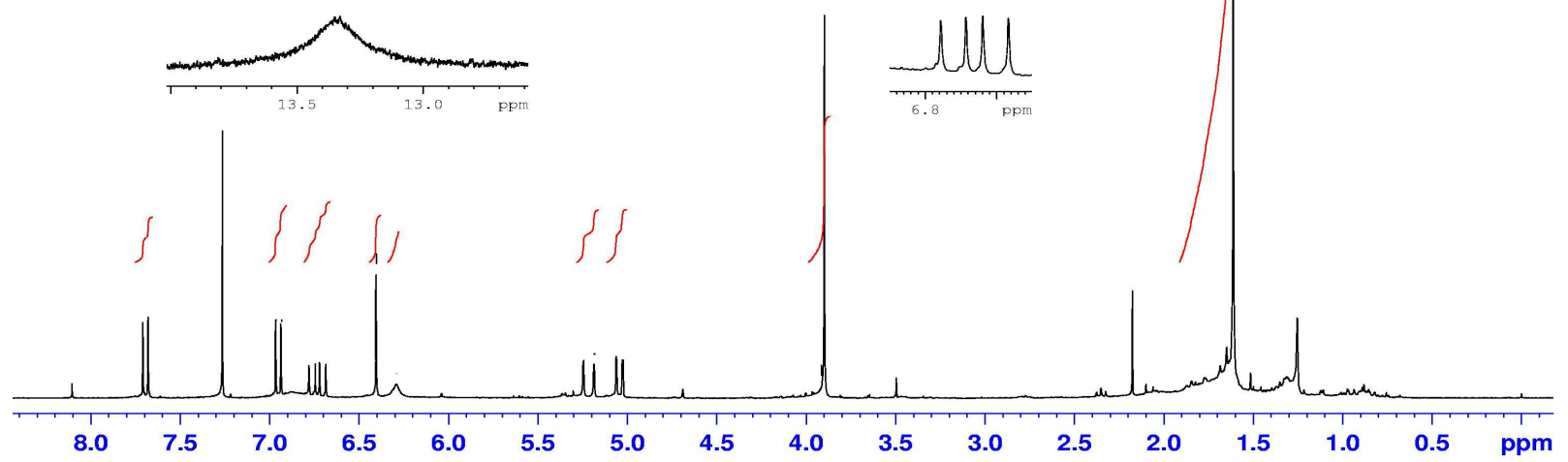
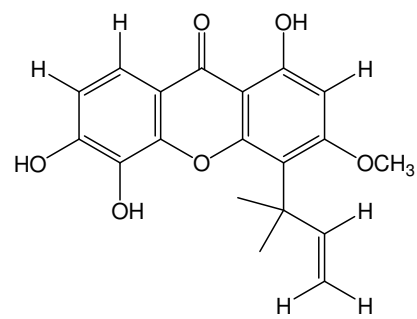
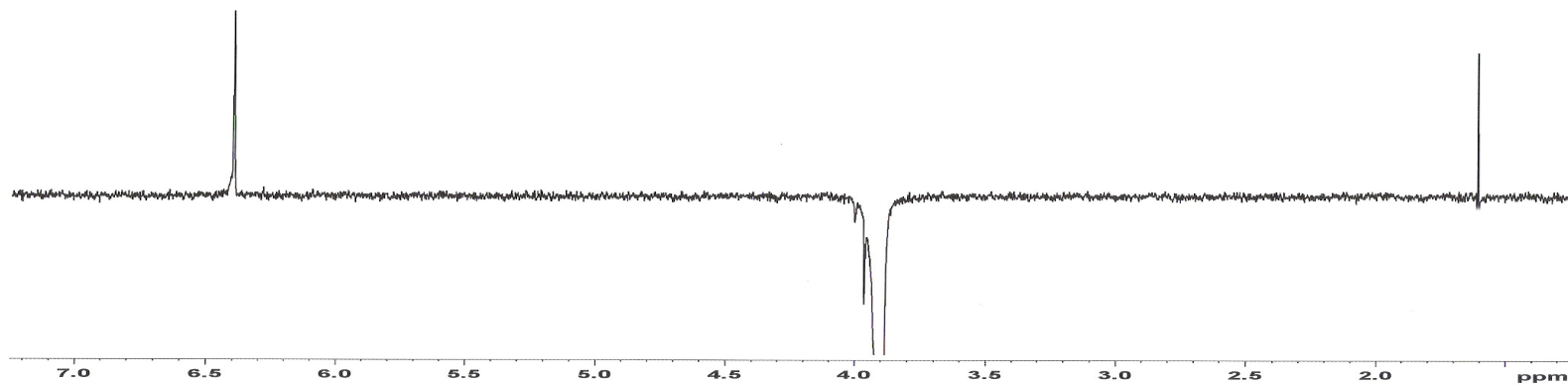
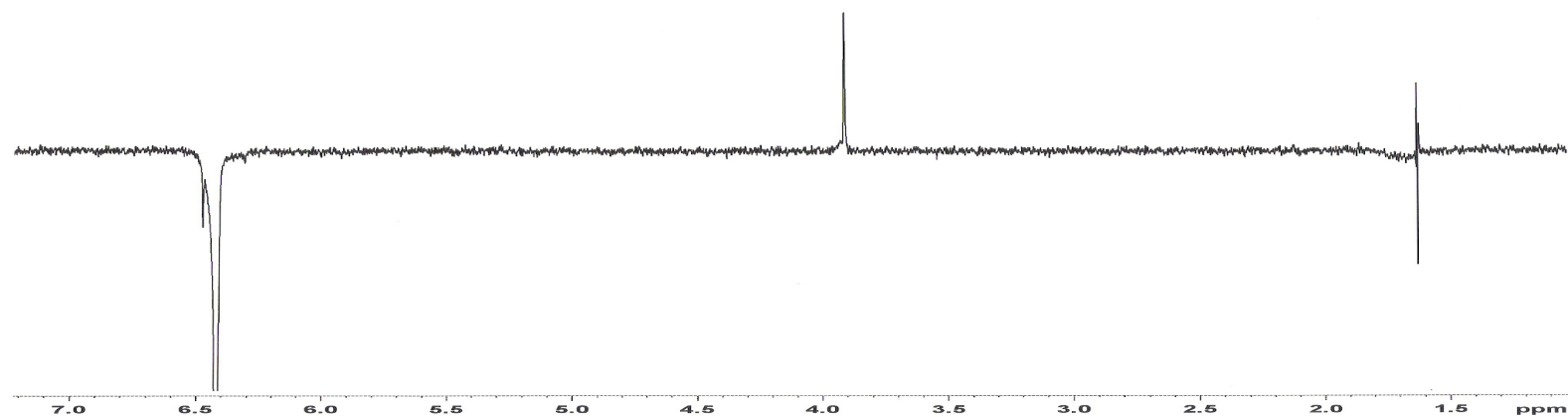


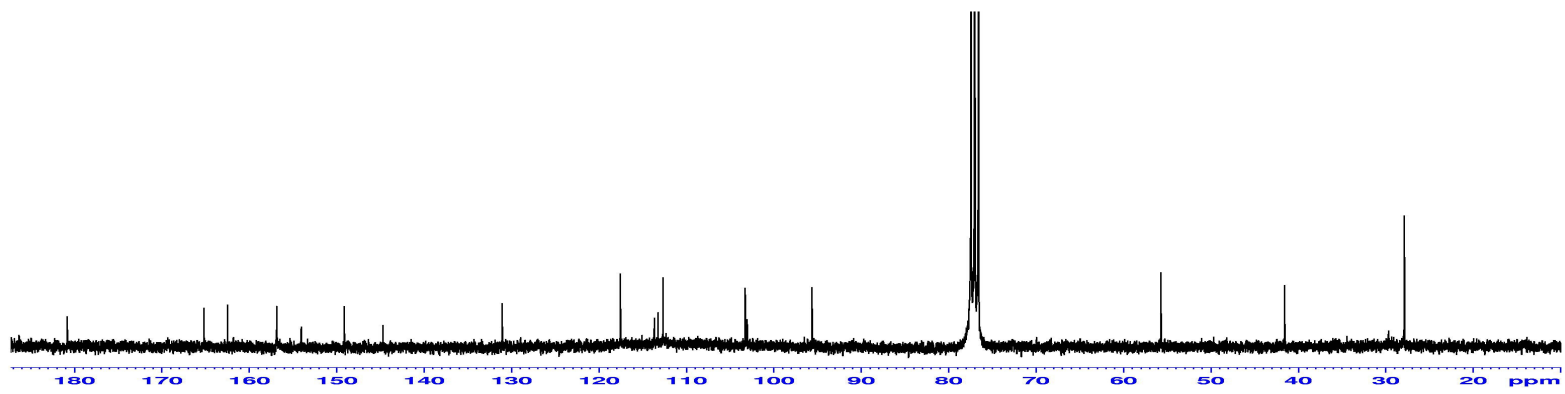
Figure 55 <sup>1</sup>H NMR (300 MHz) (CDCl<sub>3</sub>) spectrum of PS11



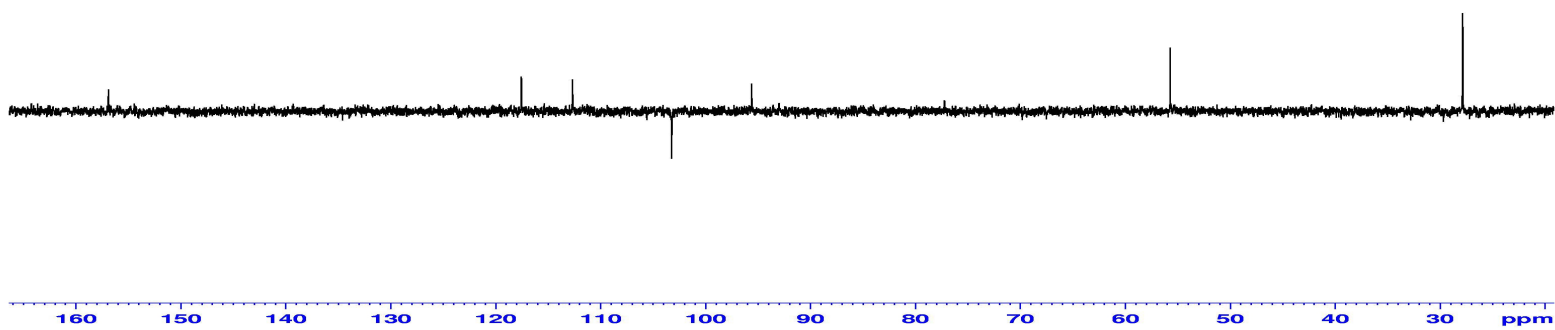
**Figure 56** NOEDIFF spectrum of **PS11** after irradiation at  $\delta_H$  3.89



**Figure 57** NOEDIFF spectrum of **PS11** after irradiation at  $\delta_H$  6.40



**Figure 58**  $^{13}\text{C}$  NMR (75 MHz) ( $\text{CDCl}_3$ ) spectrum of **PS11**



**Figure 59** DEPT 135° ( $\text{CDCl}_3$ ) spectrum of **PS11**

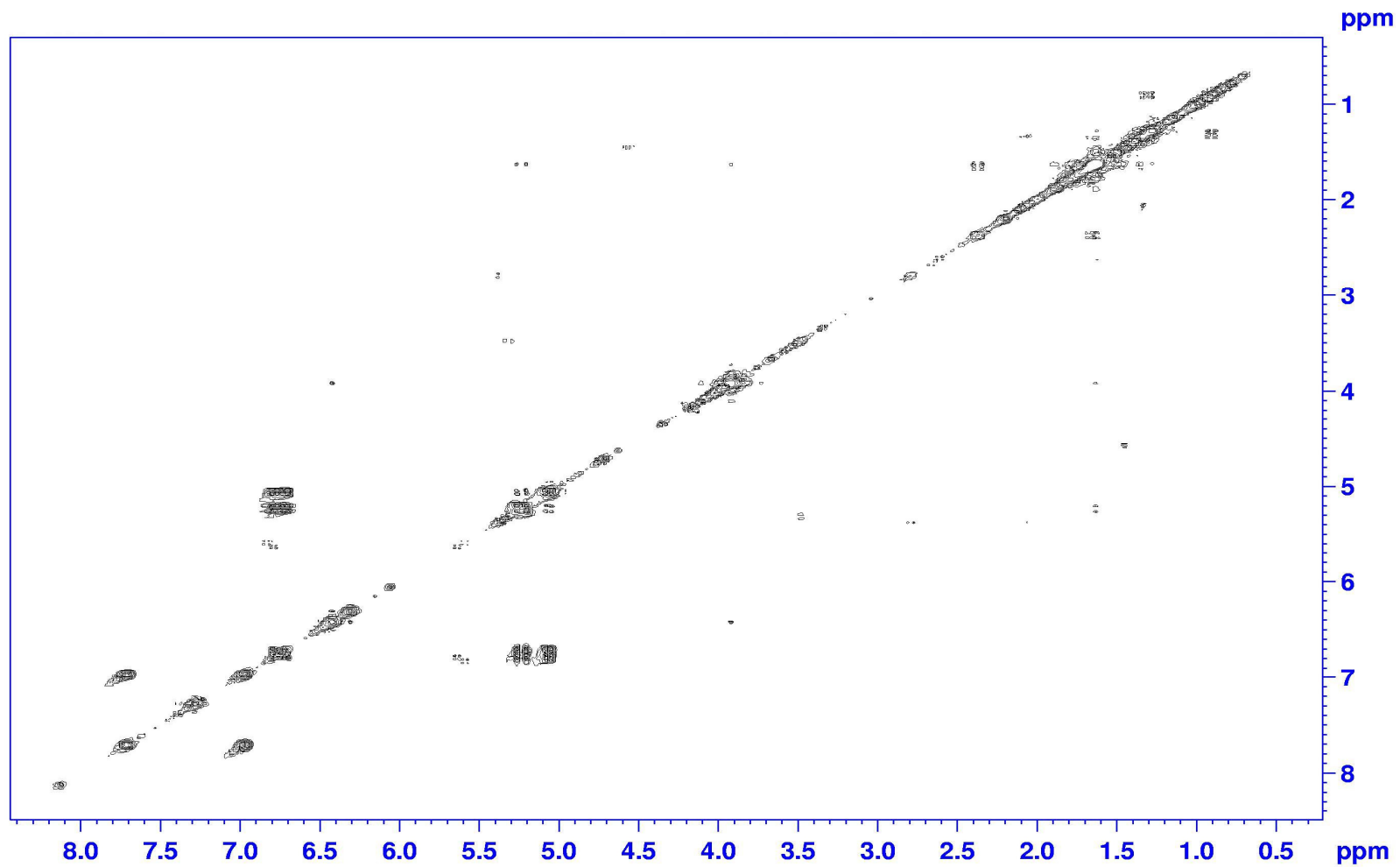
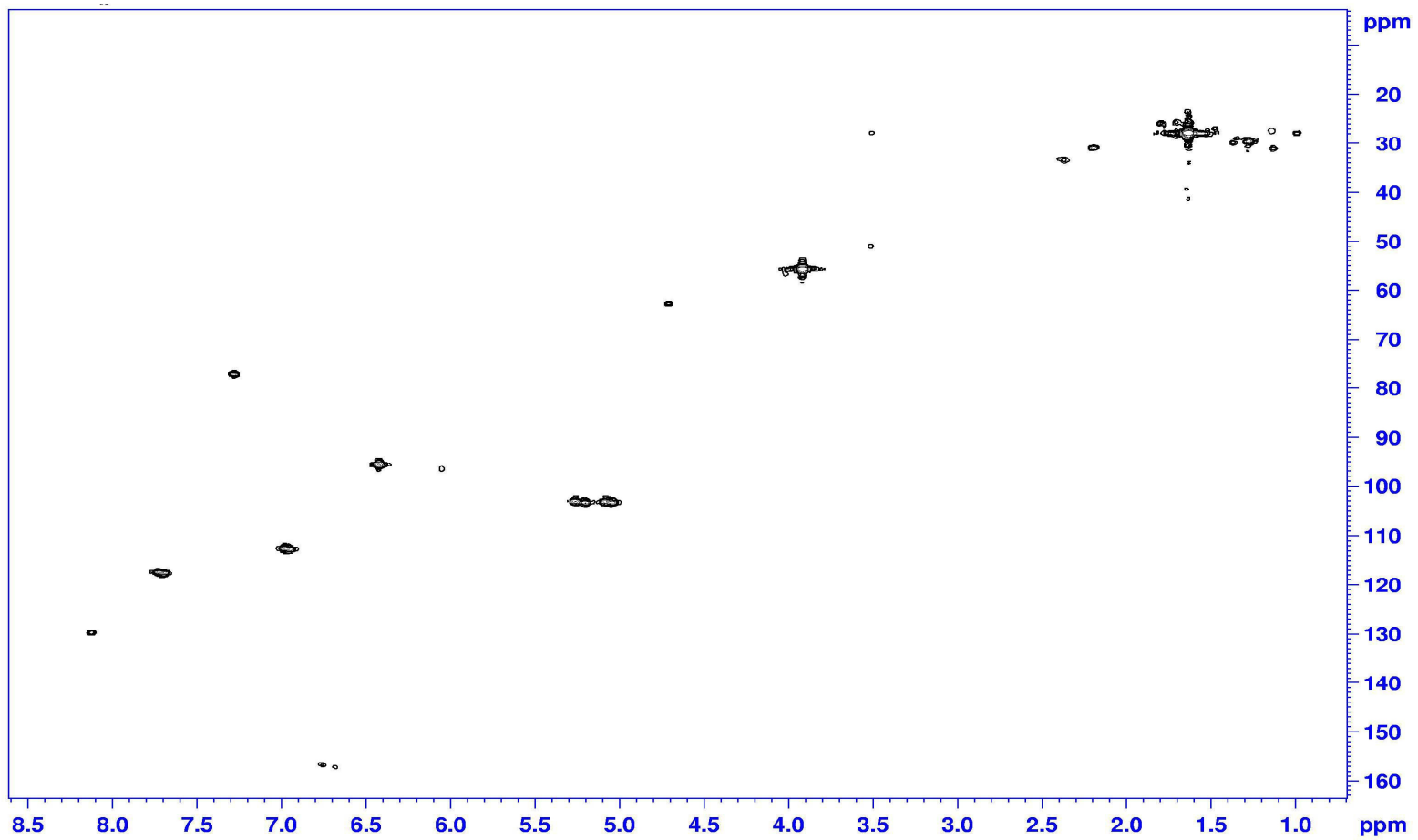


Figure 60  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of PS11



**Figure 61** 2D HMQC spectrum of **PS11**

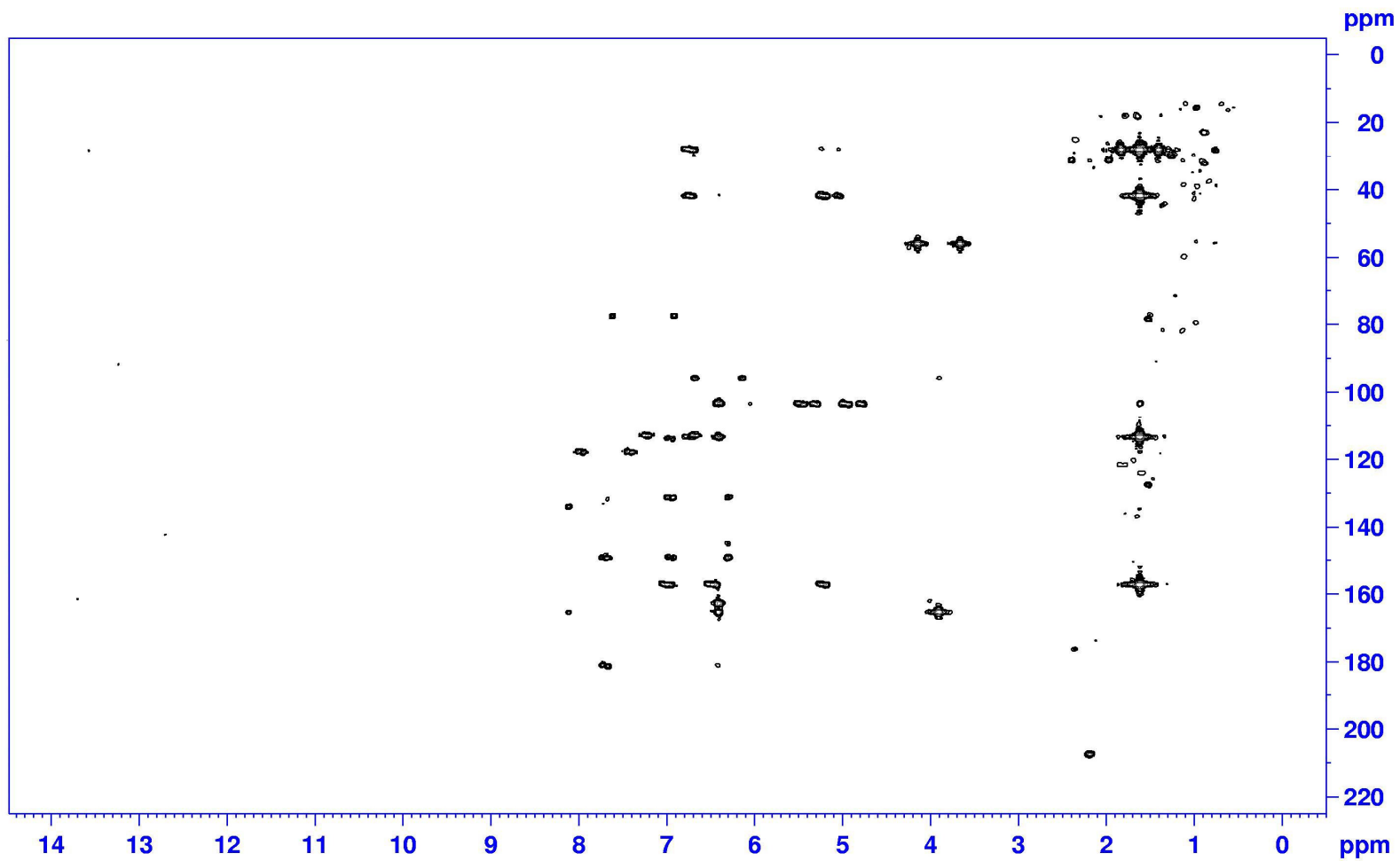


Figure 62 2D HMBC spectrum of PS11

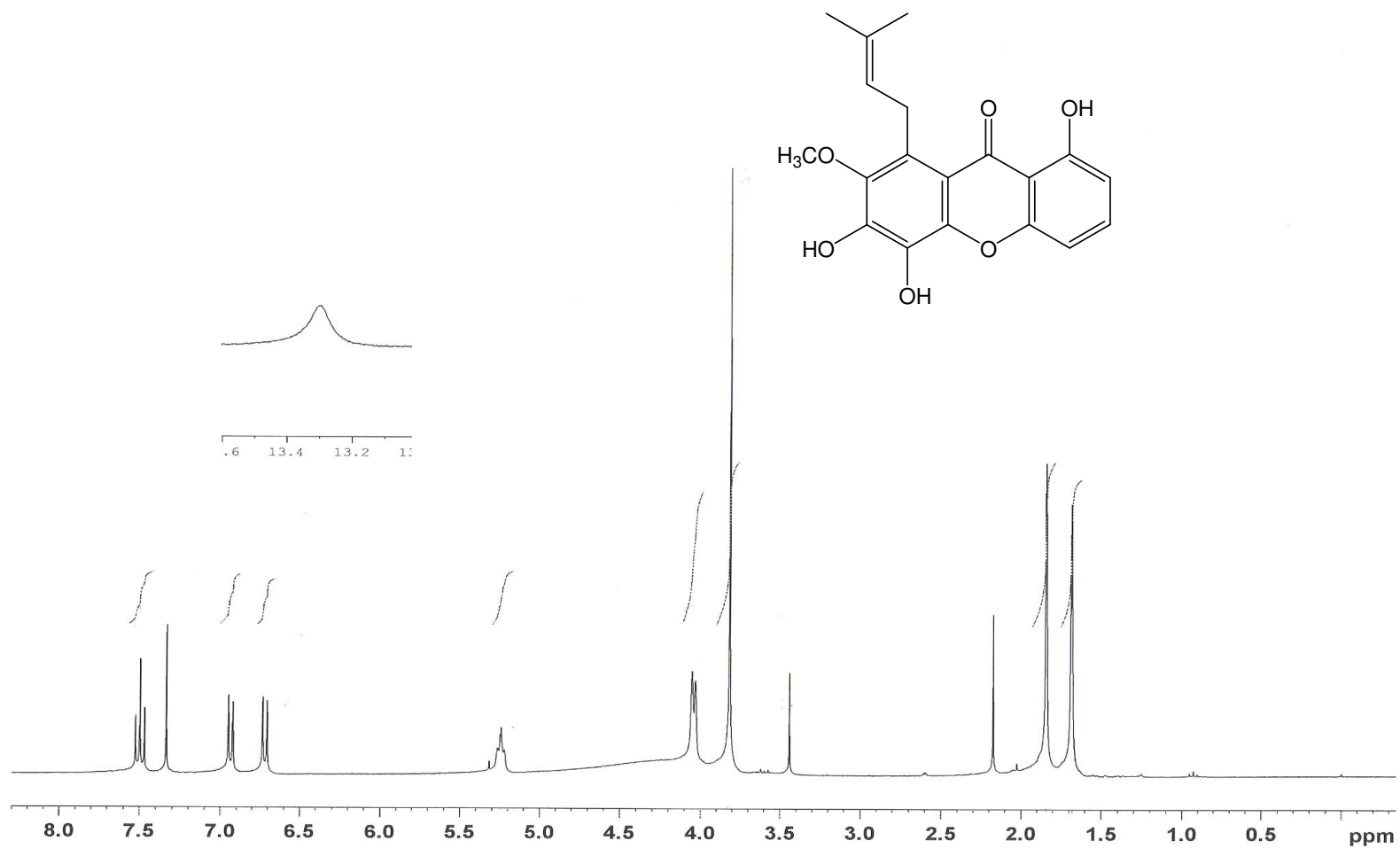
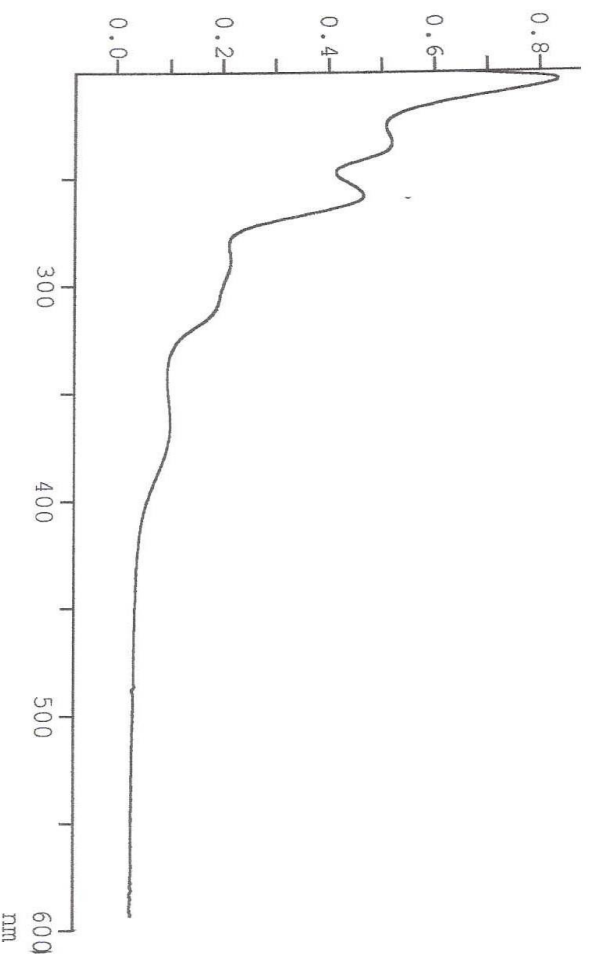
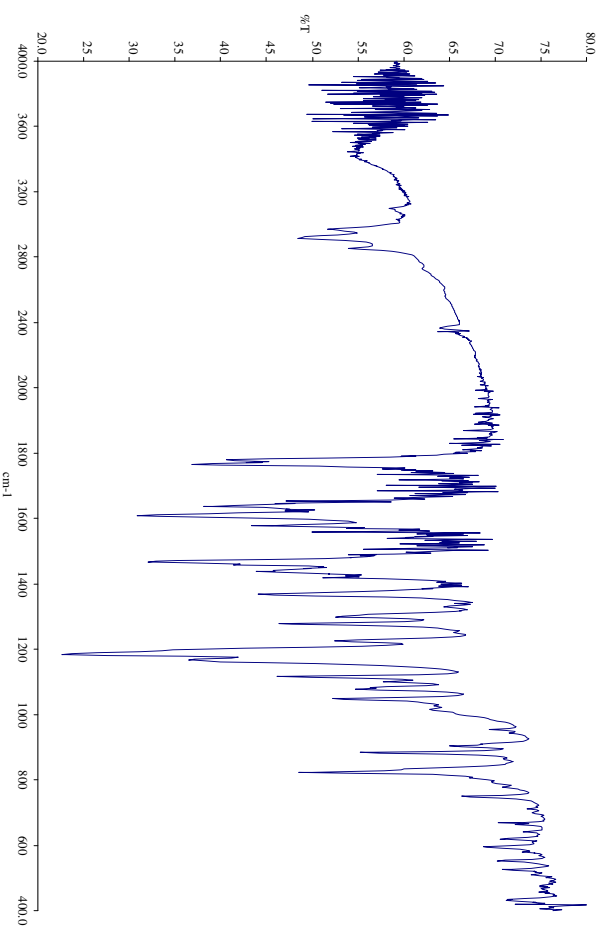


Figure 63  $^1\text{H NMR}$  (500 MHz) ( $\text{CDCl}_3 + \text{DMSO}-d_6$ ) spectrum of PS12



**Figure 64** UV (EtOH) spectrum of PS13Ac



**Figure 65** FT-IR (KBr) spectrum of PS13 Ac



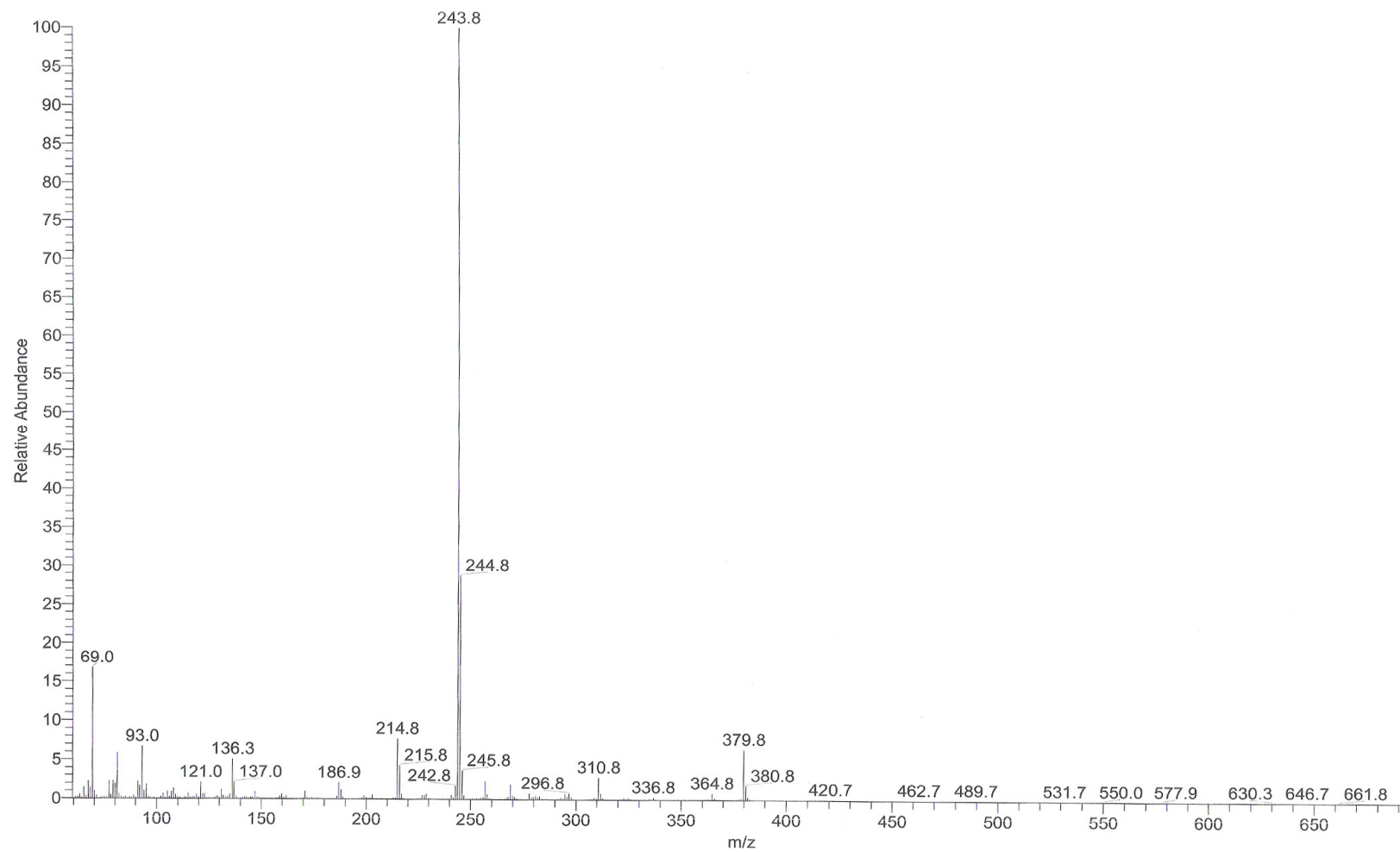


Figure 66 EI-MS spectrum of PS13 Ac

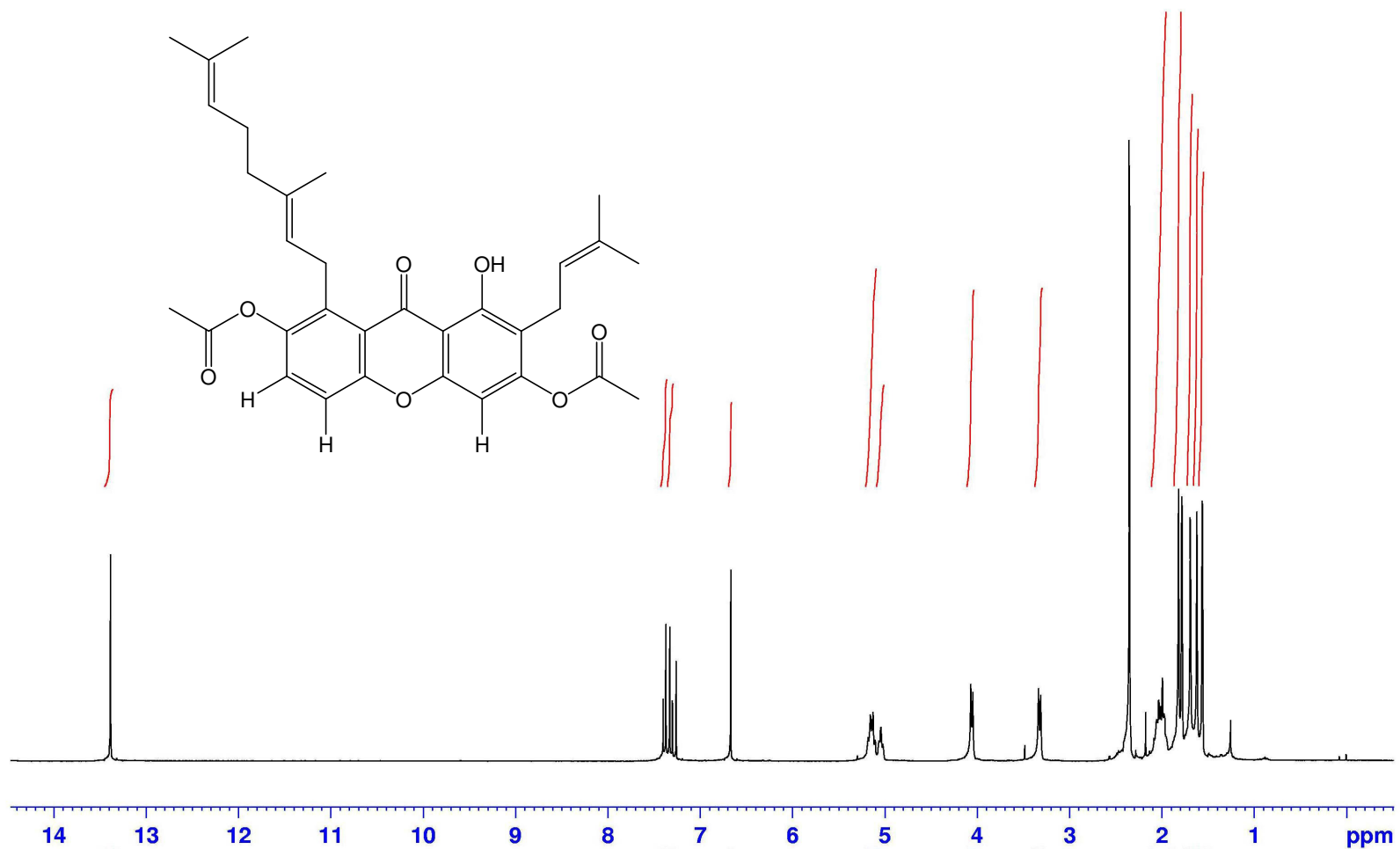
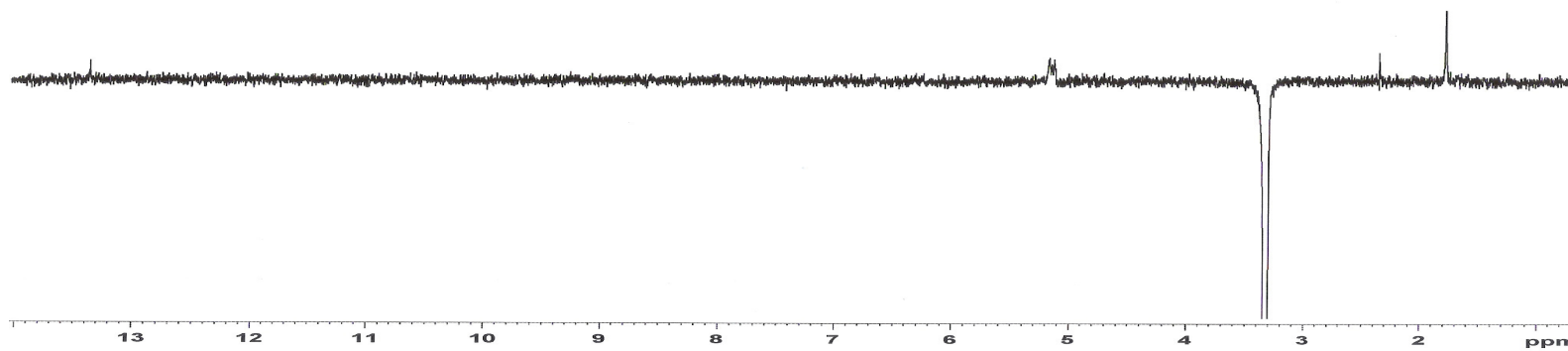
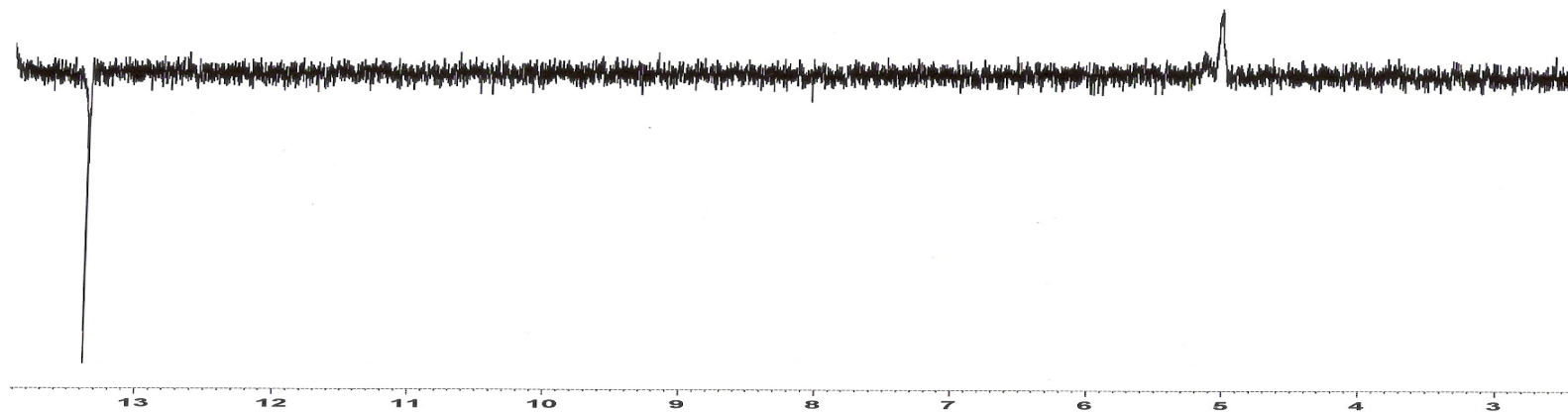


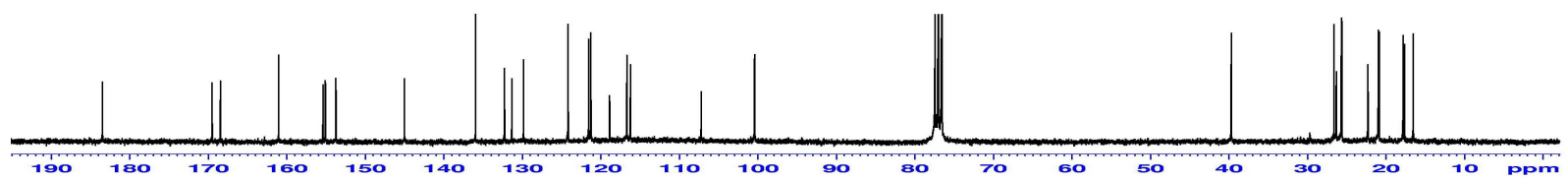
Figure 67 <sup>1</sup>H NMR (300 MHz) (CDCl<sub>3</sub>) spectrum of PS13Ac



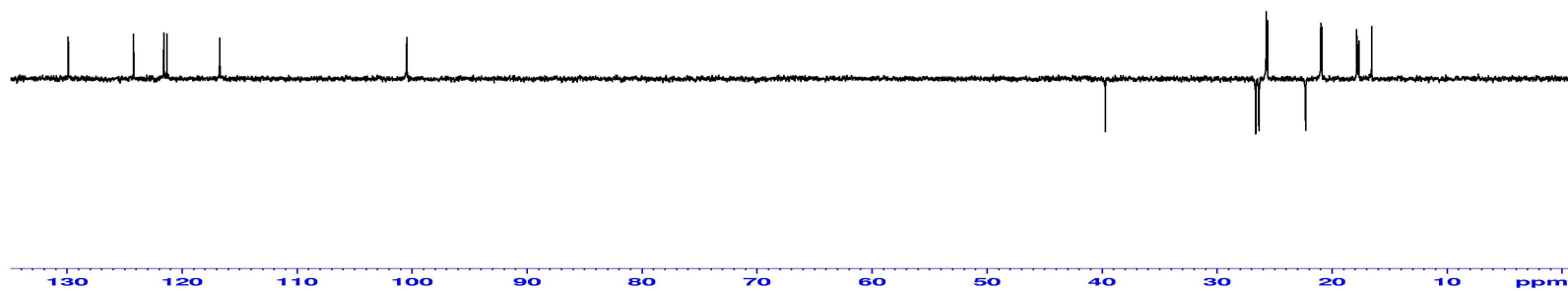
**Figure 68** NOEDIFF spectrum of **PS13Ac** after irradiation at  $\delta_H$  3.32



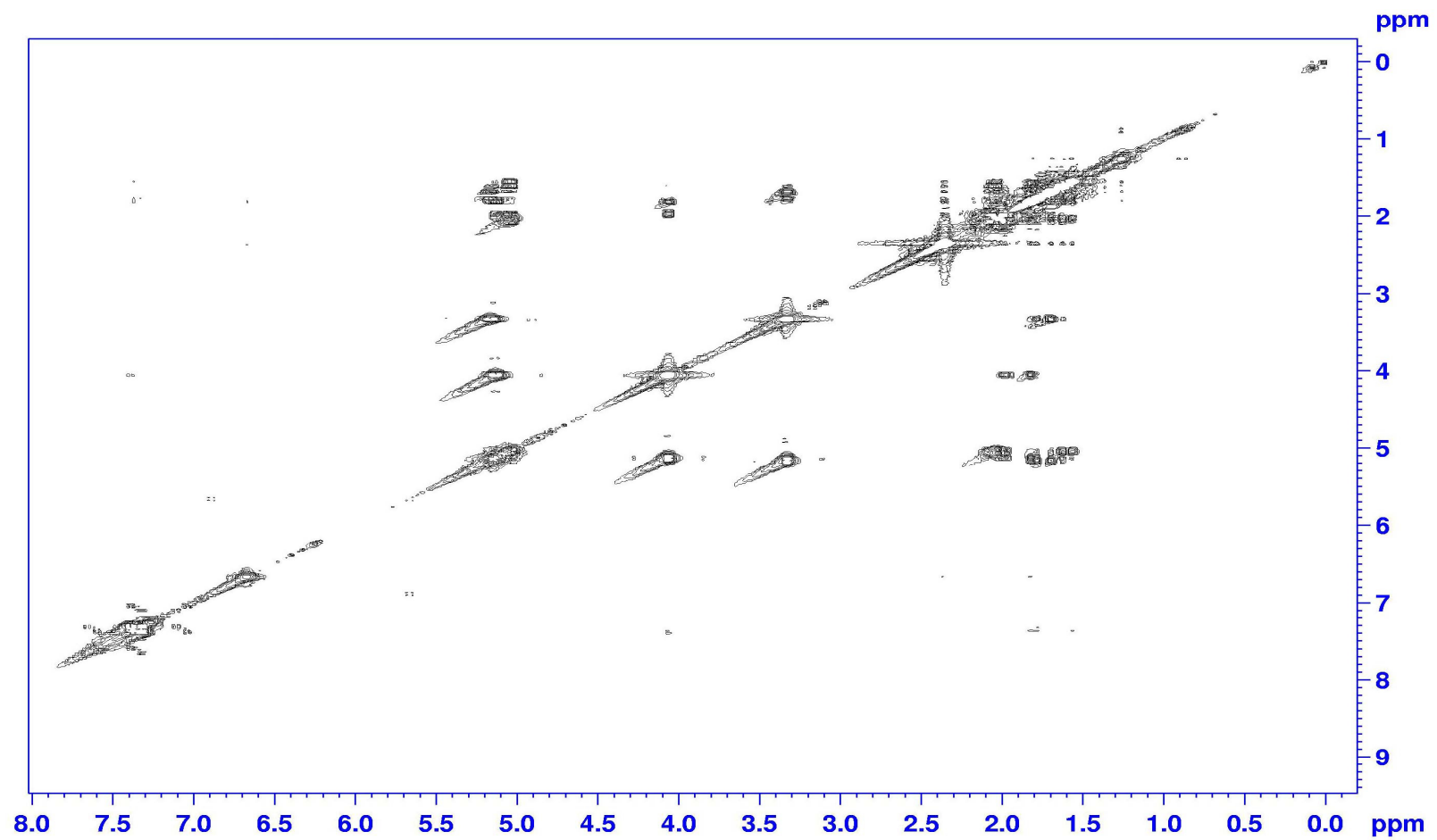
**Figure 69** NOEDIFF spectrum of **PS13Ac** after irradiation at  $\delta_H$  13.39



**Figure 70**  $^{13}\text{C}$  NMR (75 MHz) ( $\text{CDCl}_3$ ) spectrum of **PS13Ac**



**Figure 71** DEPT 135° ( $\text{CDCl}_3$ ) spectrum of **PS13Ac**



**Figure 72**  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of PS13Ac

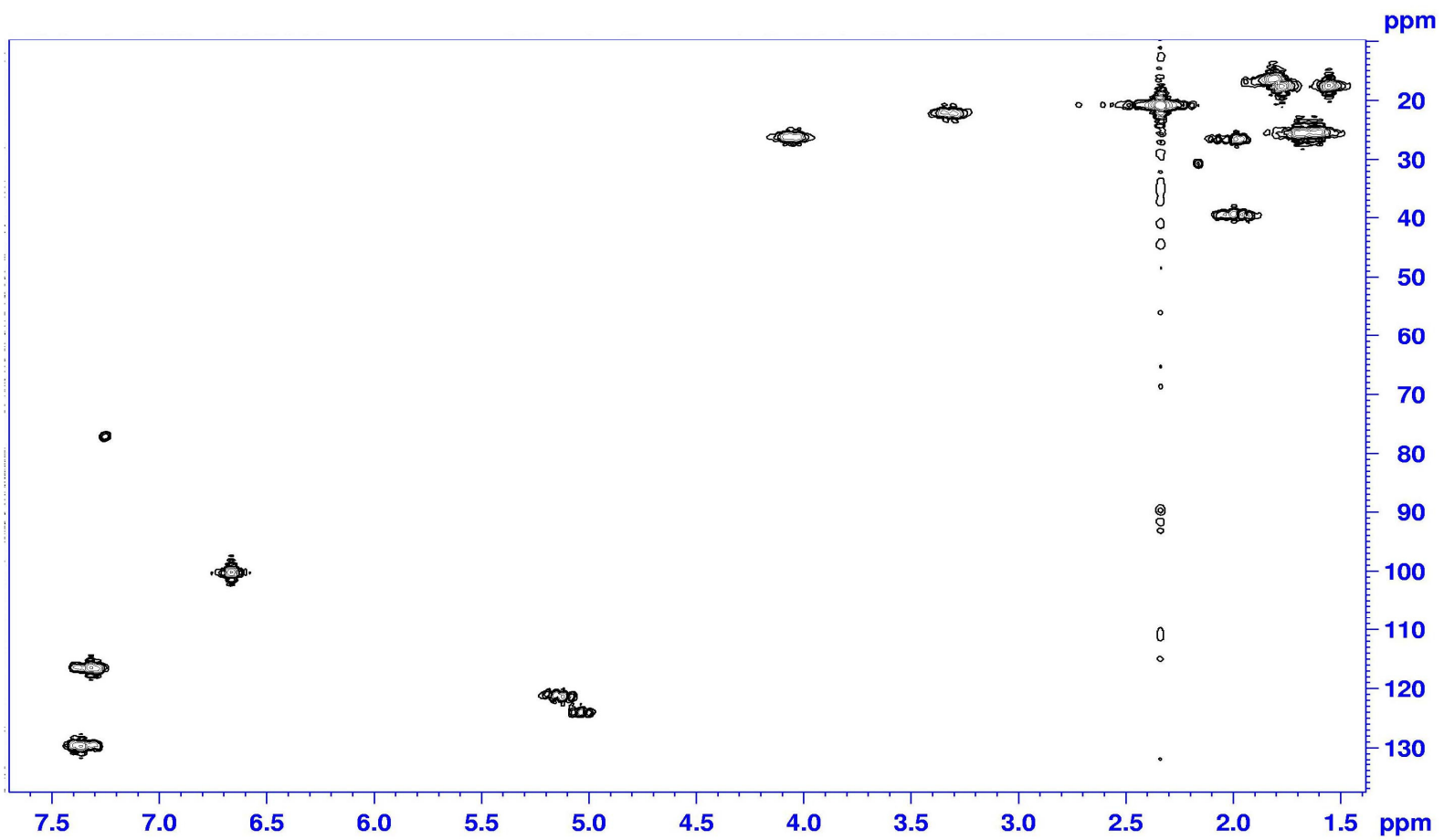


Figure 73 2D HMQC spectrum of PS13Ac

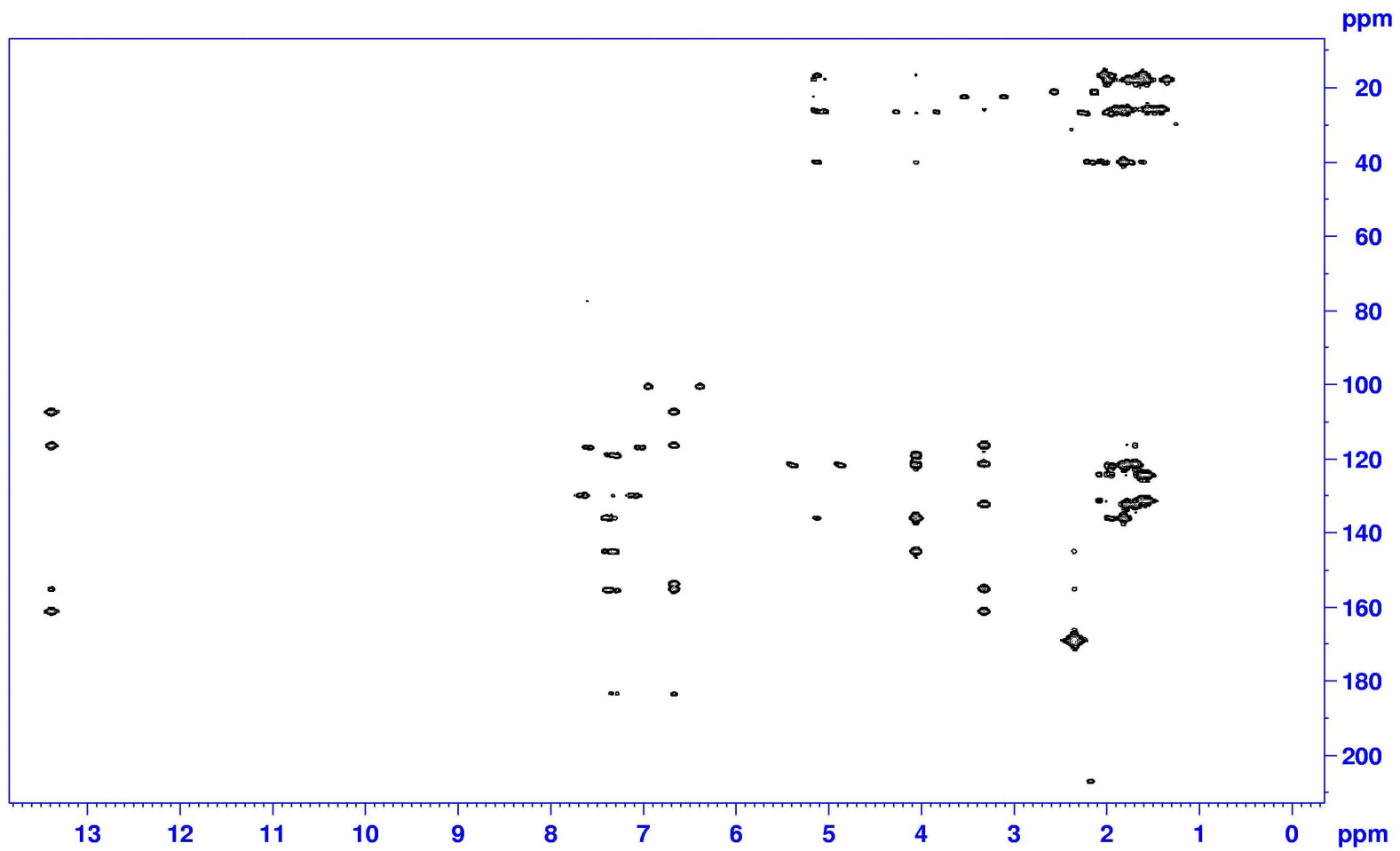
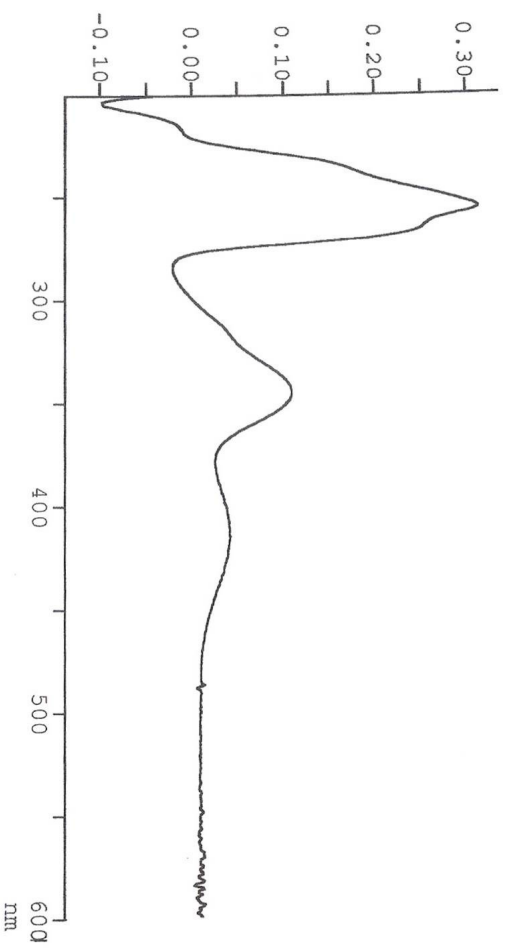
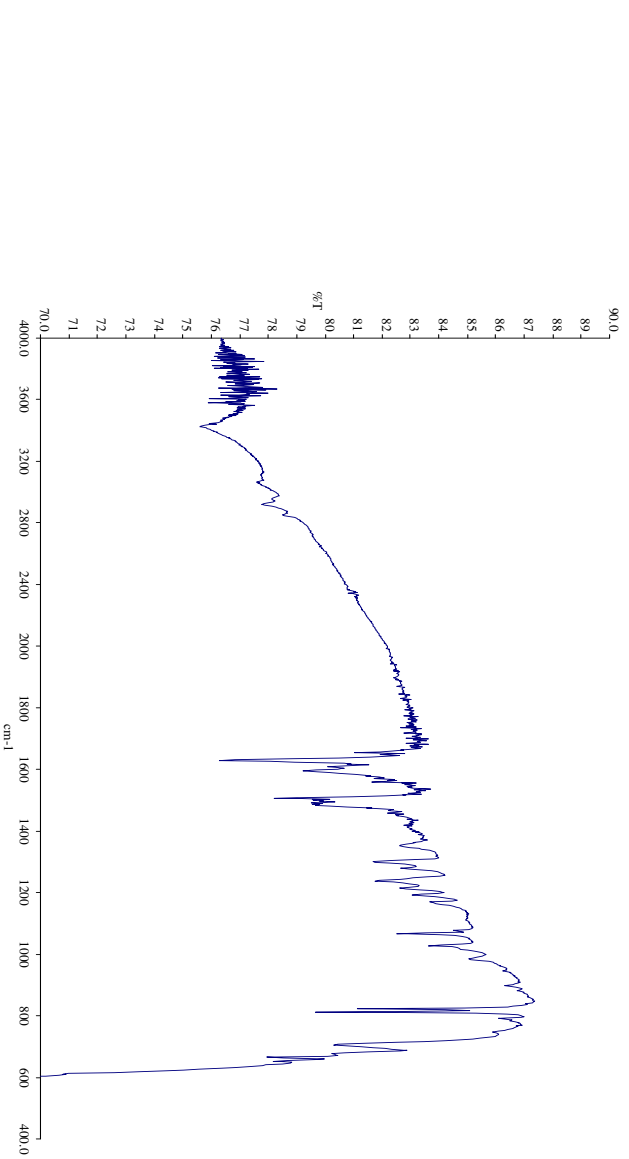


Figure 74 2D HMBC spectrum of PS13Ac

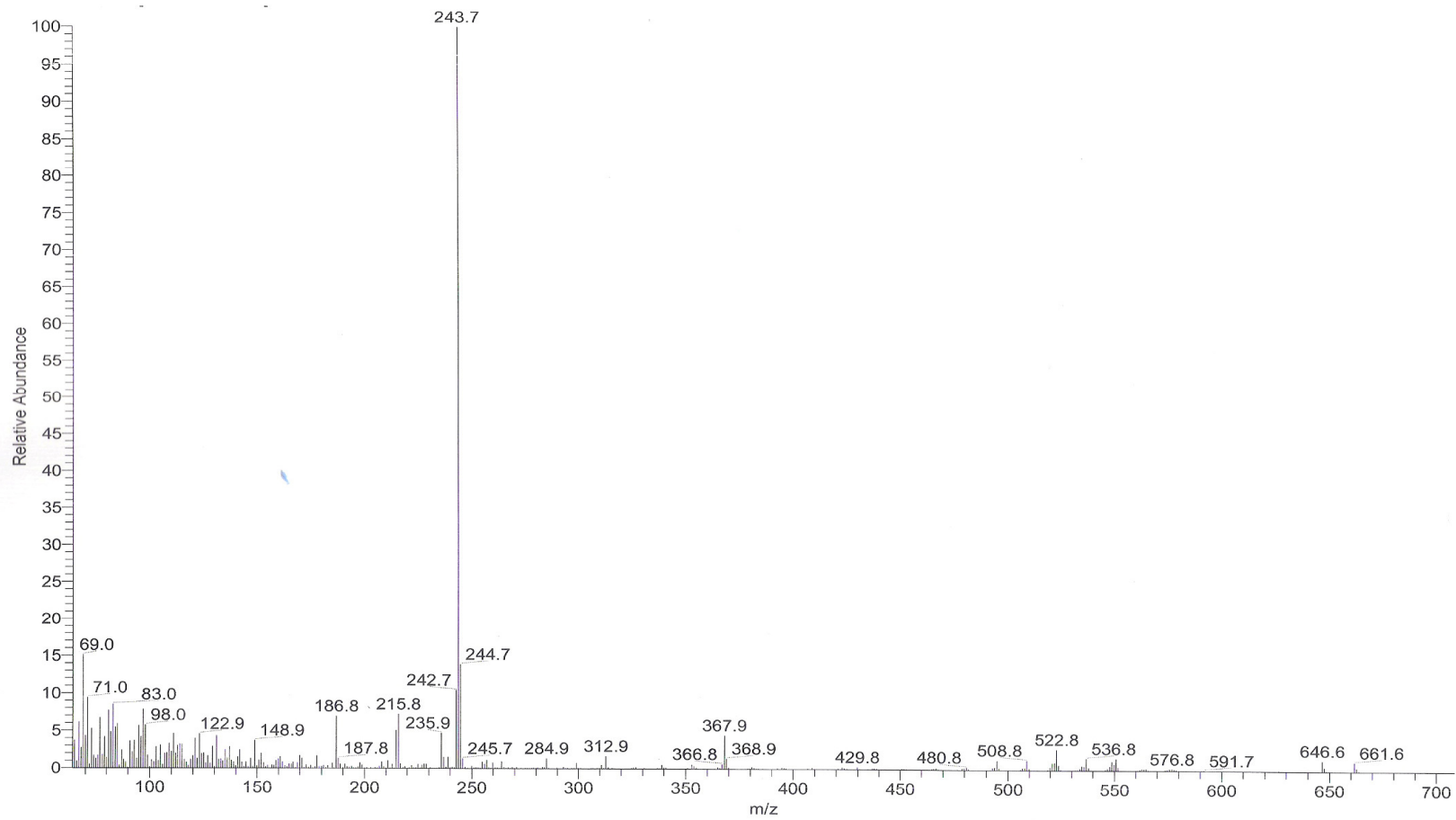


**Figure 75** UV (EtOH) spectrum of **PS14+PS15**

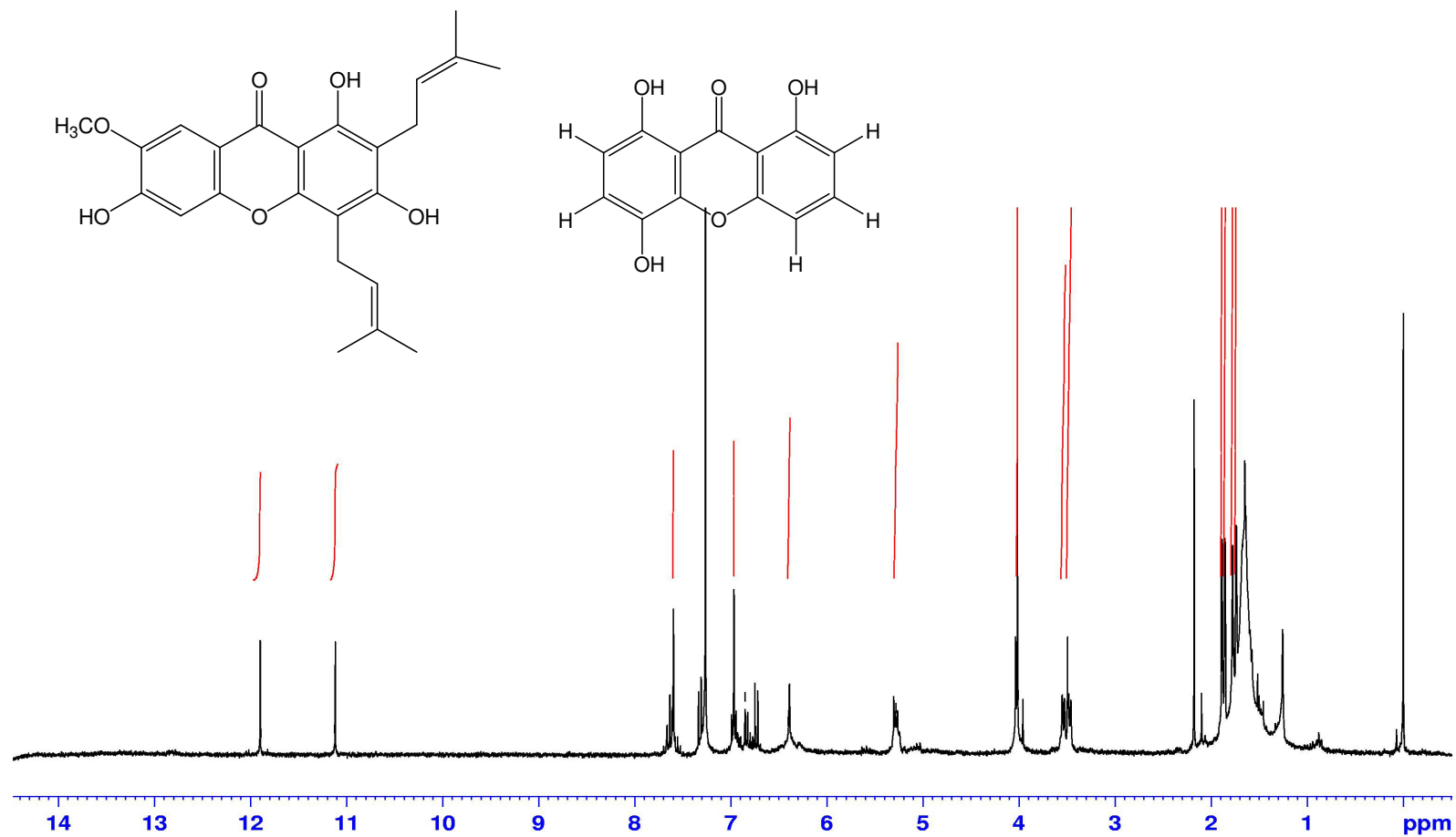


**Figure 76** FT-IR (neat) spectrum of **PS14+PS15**

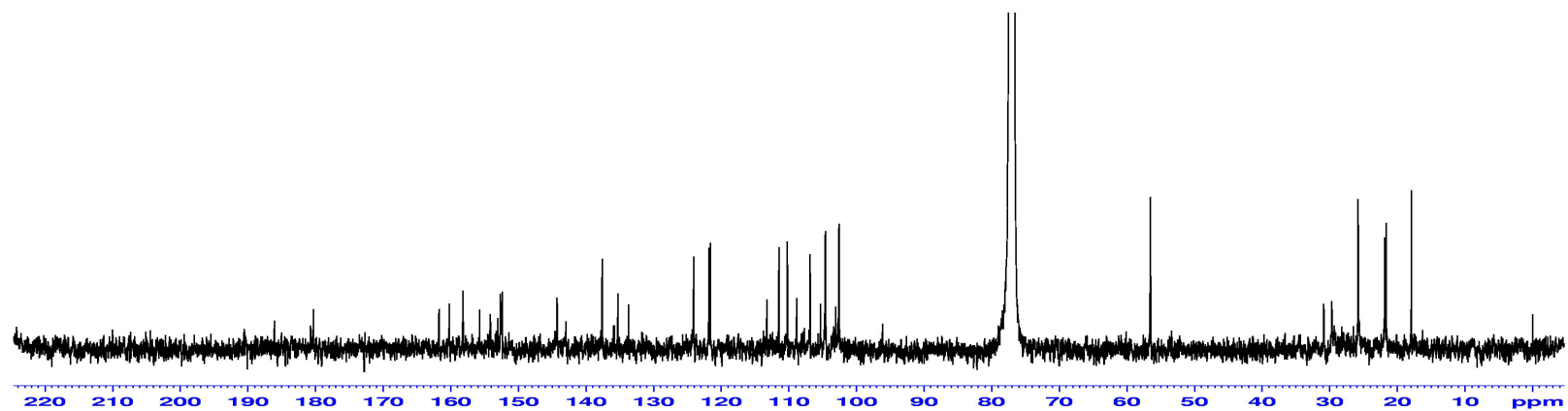




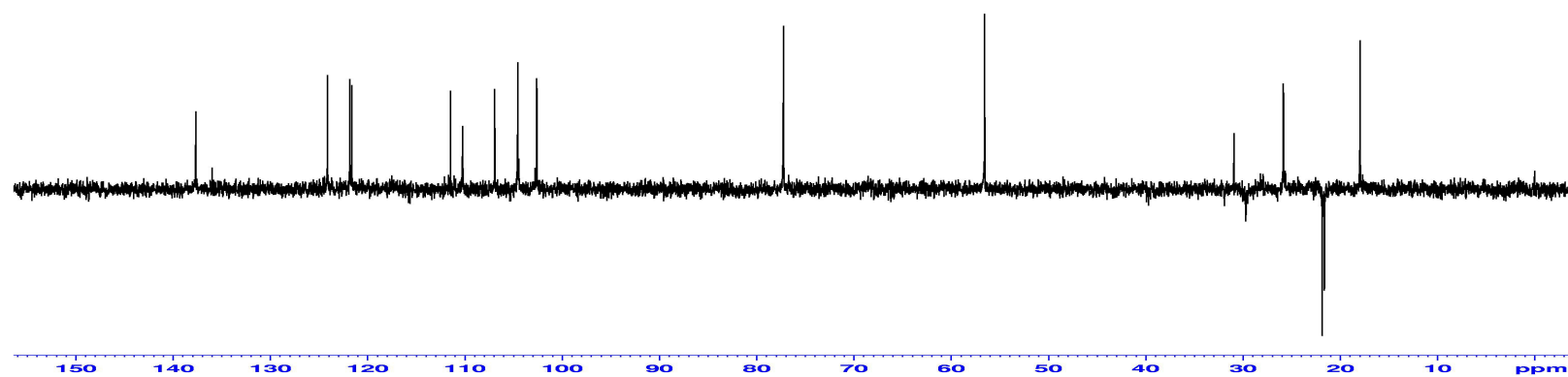
**Figure 77** EI-MS spectrum of PS14



**Figure 78**  $^1\text{H}$  NMR (500 MHz) ( $\text{CDCl}_3$ ) spectrum of **PS14+PS15**

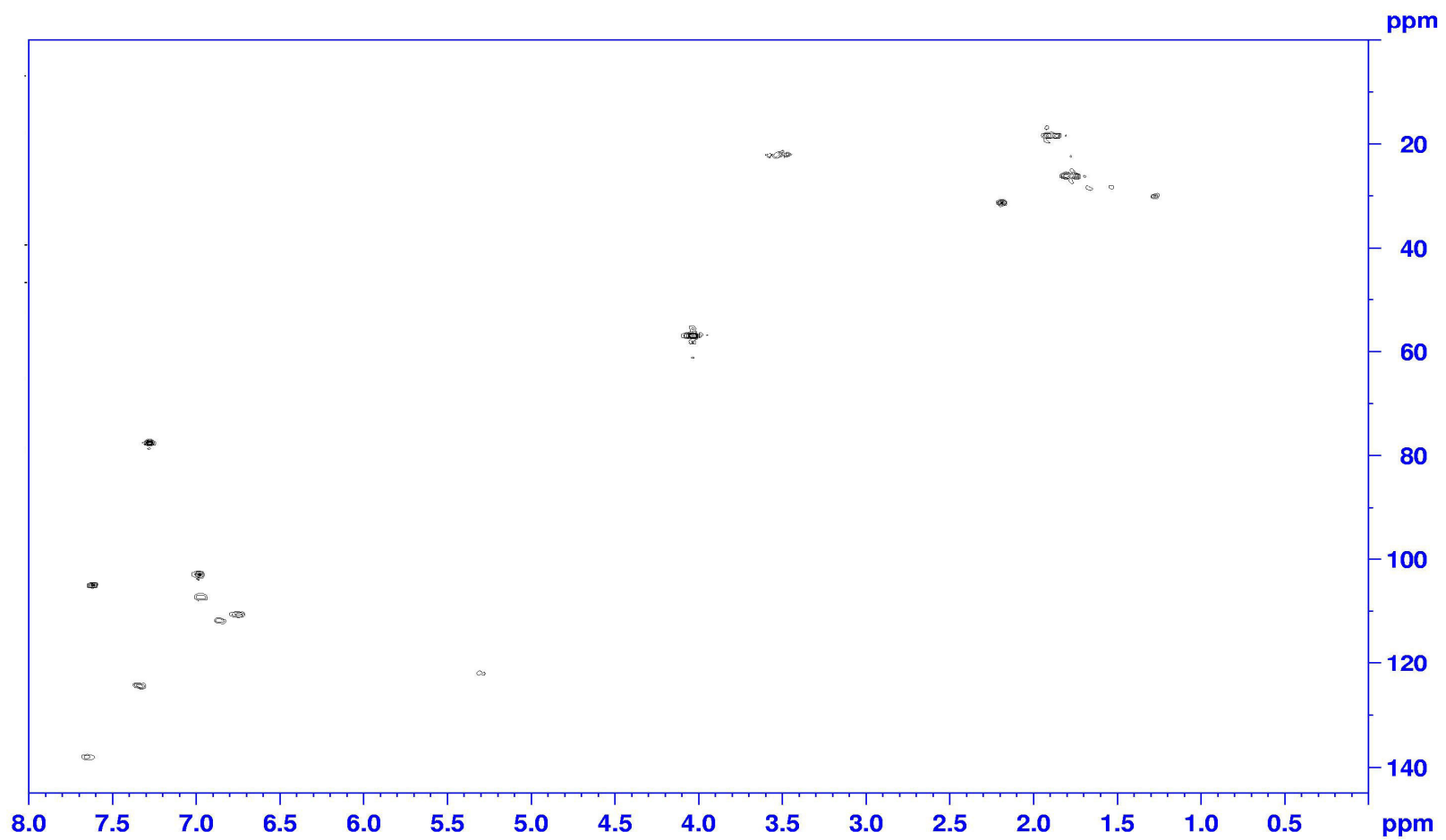


**Figure 79**  $^{13}\text{C}$  NMR (125 MHz) ( $\text{CDCl}_3$ ) spectrum of PS14+PS15



**Figure 80** DEPT 135° ( $\text{CDCl}_3$ ) spectrum of PS14+PS15





**Figure 82** 2D HMQC spectrum of **PS14+PS15**

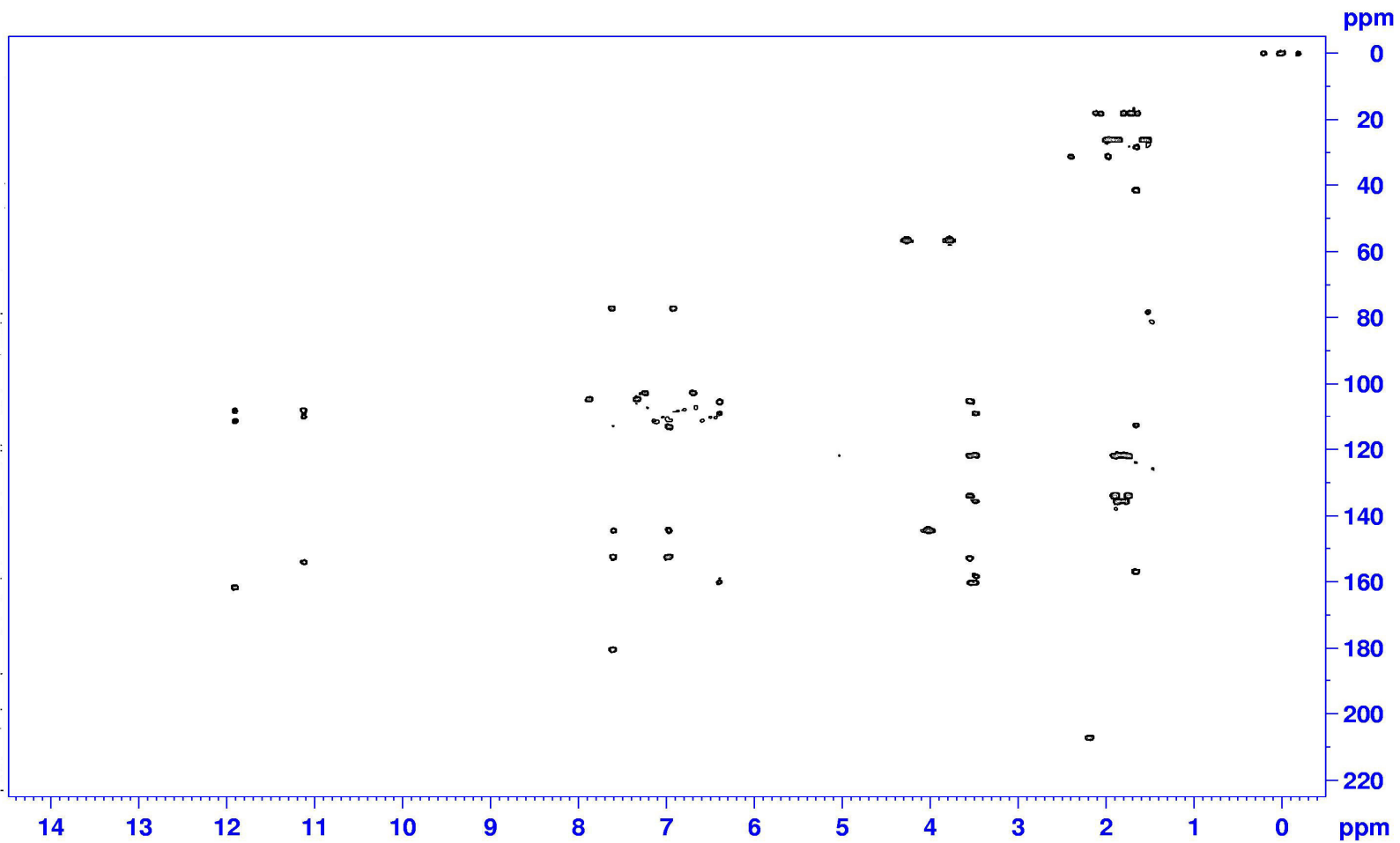
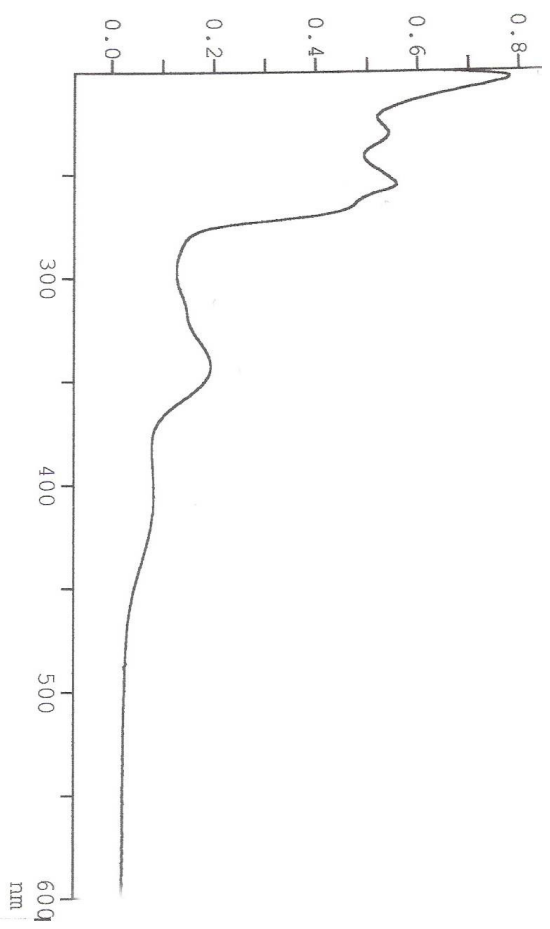
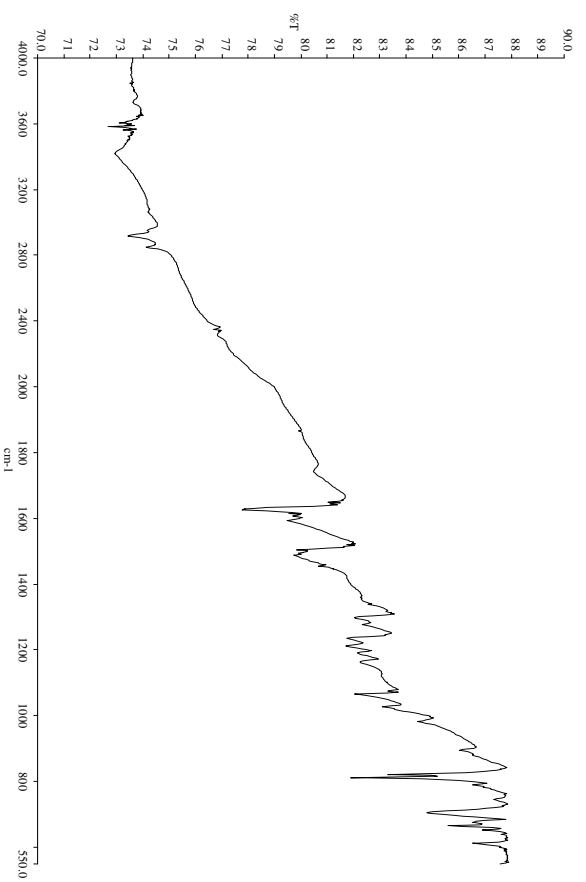


Figure 83 2D HMBC spectrum of PS14+PS15



**Figure 84** UV (EtOH) spectrum of **PS15**



**Figure 85** FT-IR (neat) spectrum of **PS15**

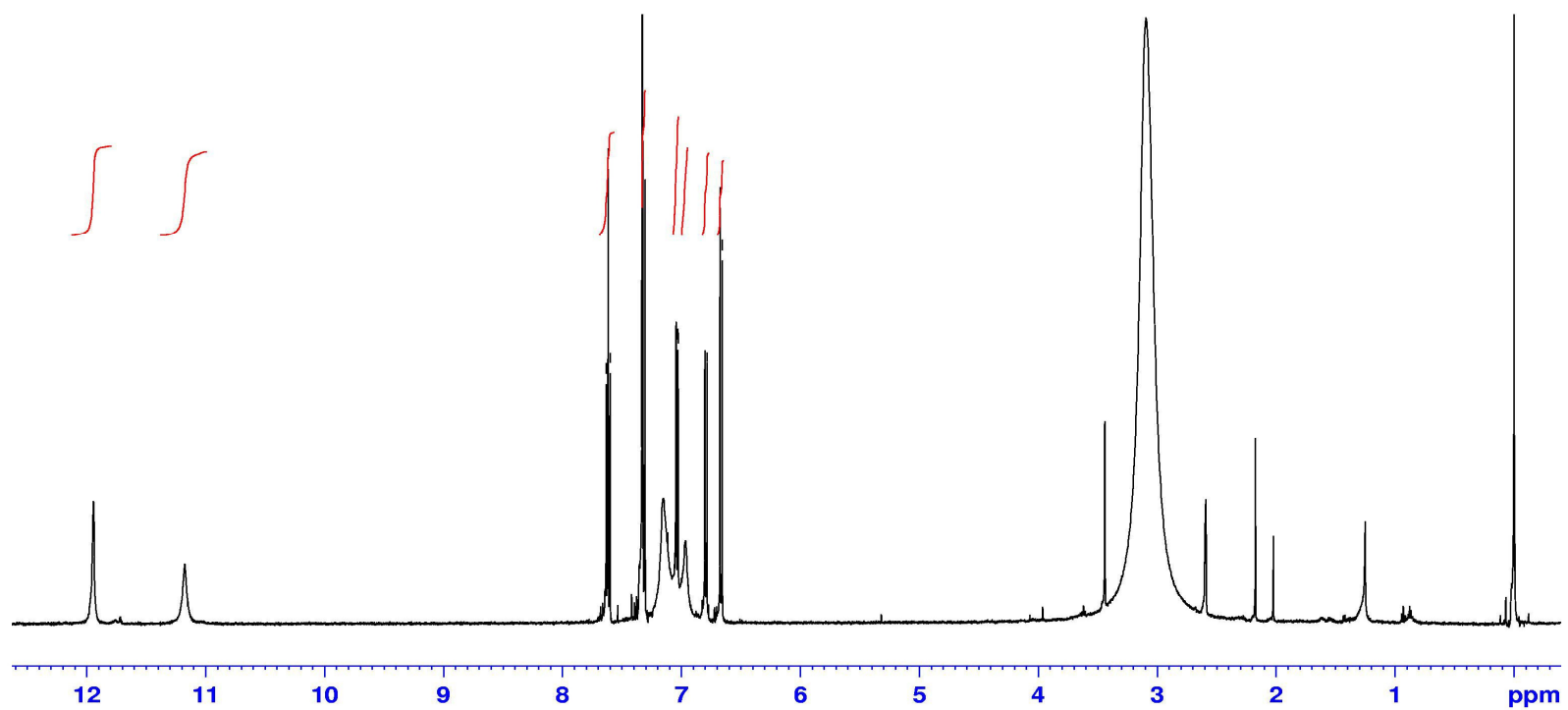
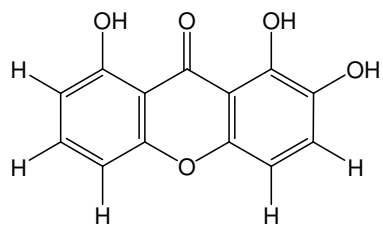
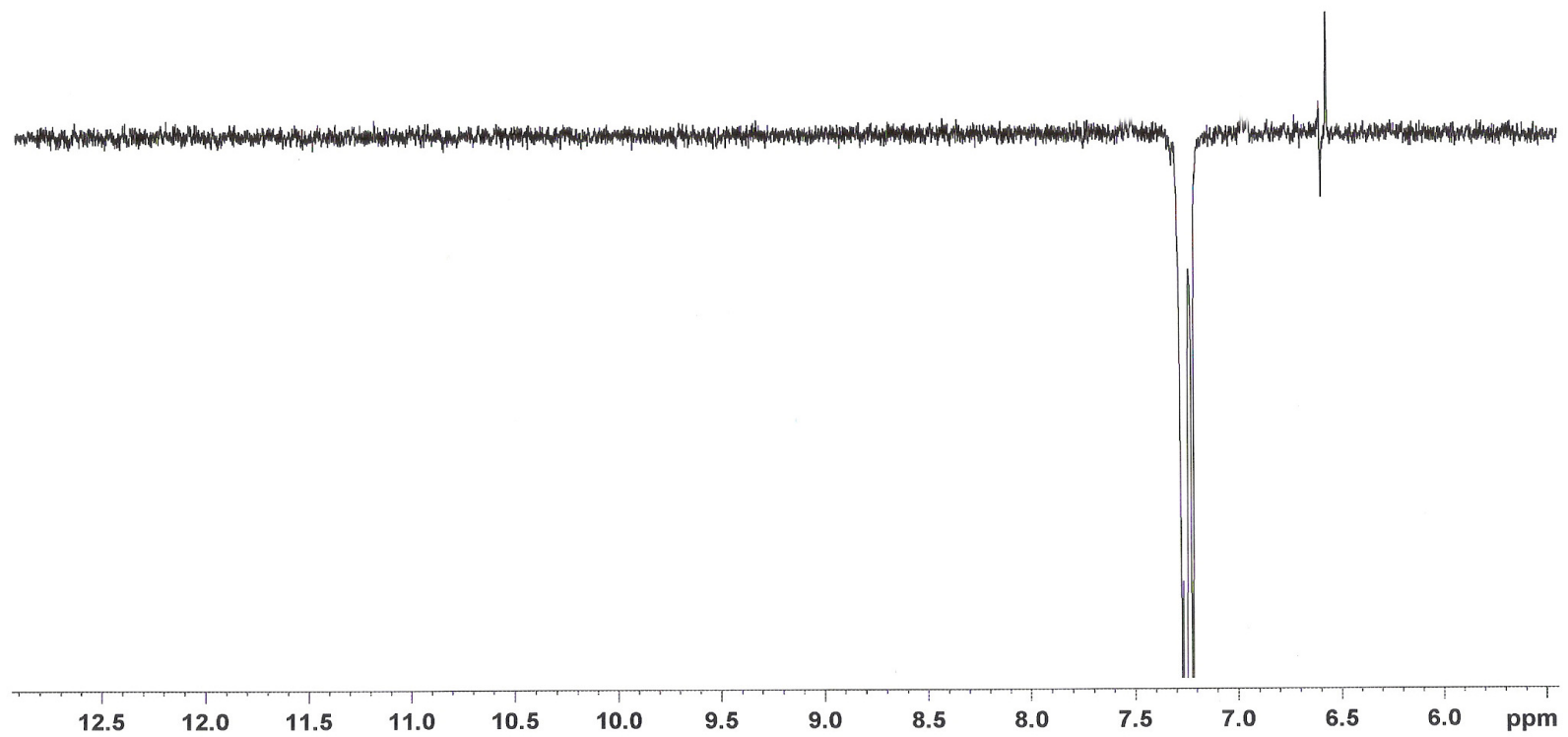
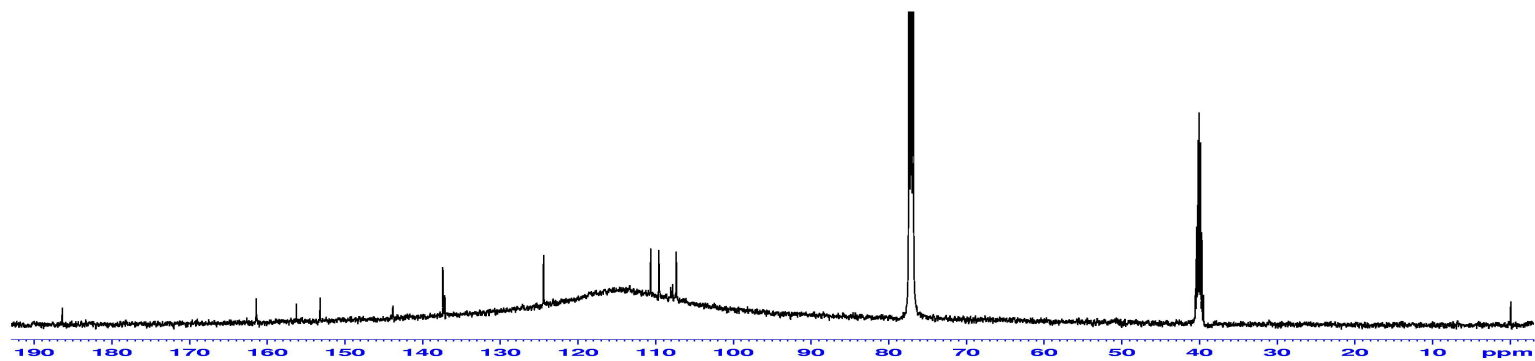


Figure 86 <sup>1</sup>H NMR (500 MHz) (CDCl<sub>3</sub>+DMSO-*d*<sub>6</sub>) spectrum of PS15

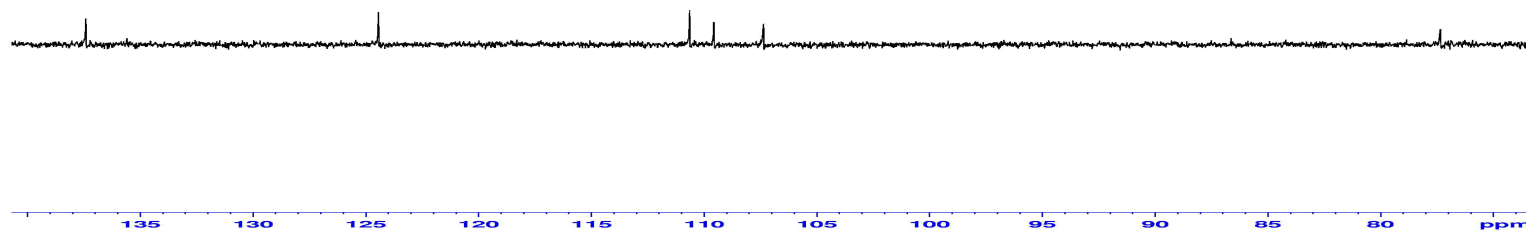




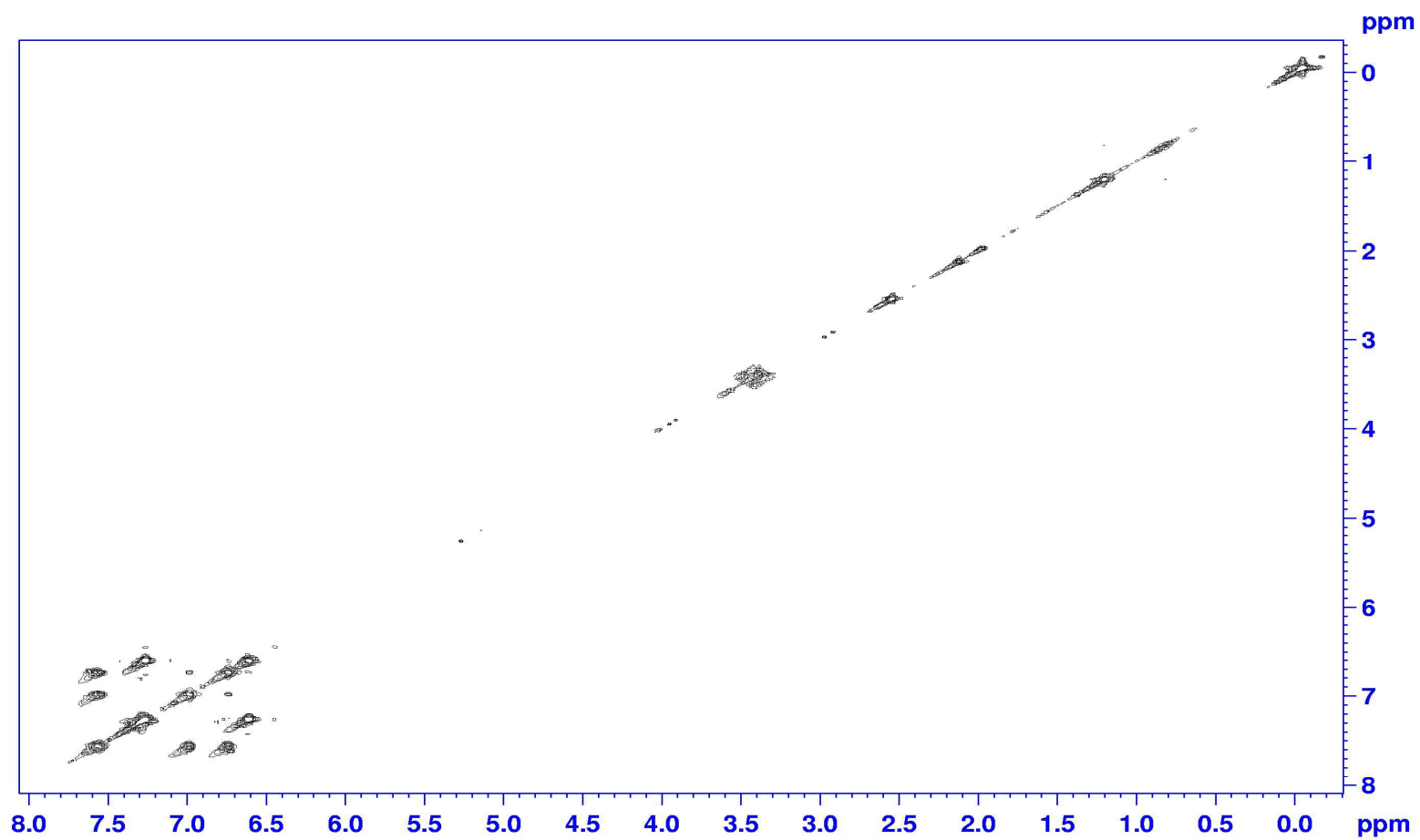
**Figure 87** NOEDIFF spectrum of **PS15** after irradiation at  $\delta_{\text{H}}$  7.32



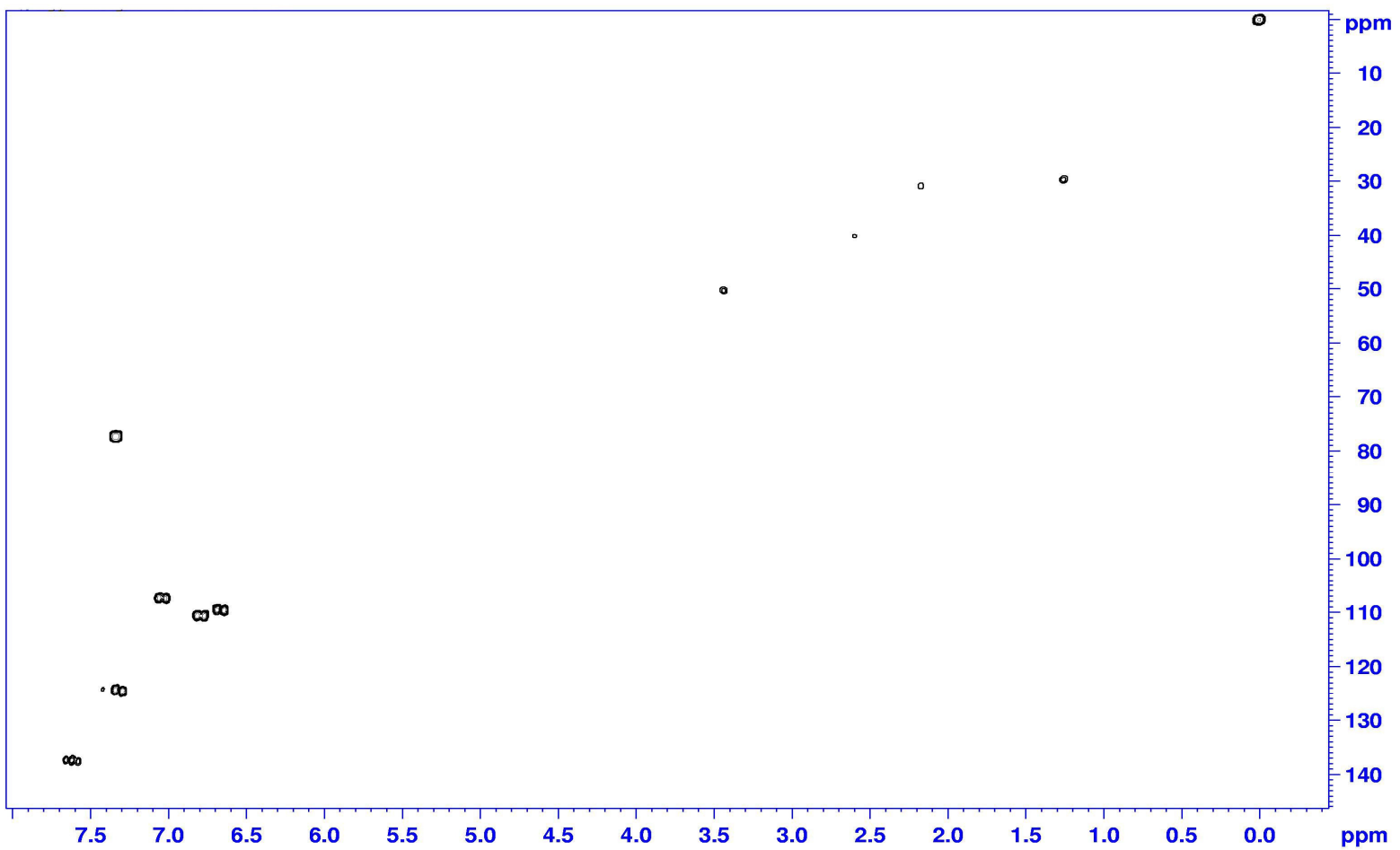
**Figure 88**  $^{13}\text{C}$  NMR (125 MHz) ( $\text{CDCl}_3 + \text{DMSO-}d_6$ ) spectrum of **PS15**



**Figure 89** DEPT 135° ( $\text{CDCl}_3 + \text{DMSO-}d_6$ ) spectrum of **PS15**



**Figure 90**  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of **PS15**



**Figure 91** 2D HMQC spectrum of **PS15**

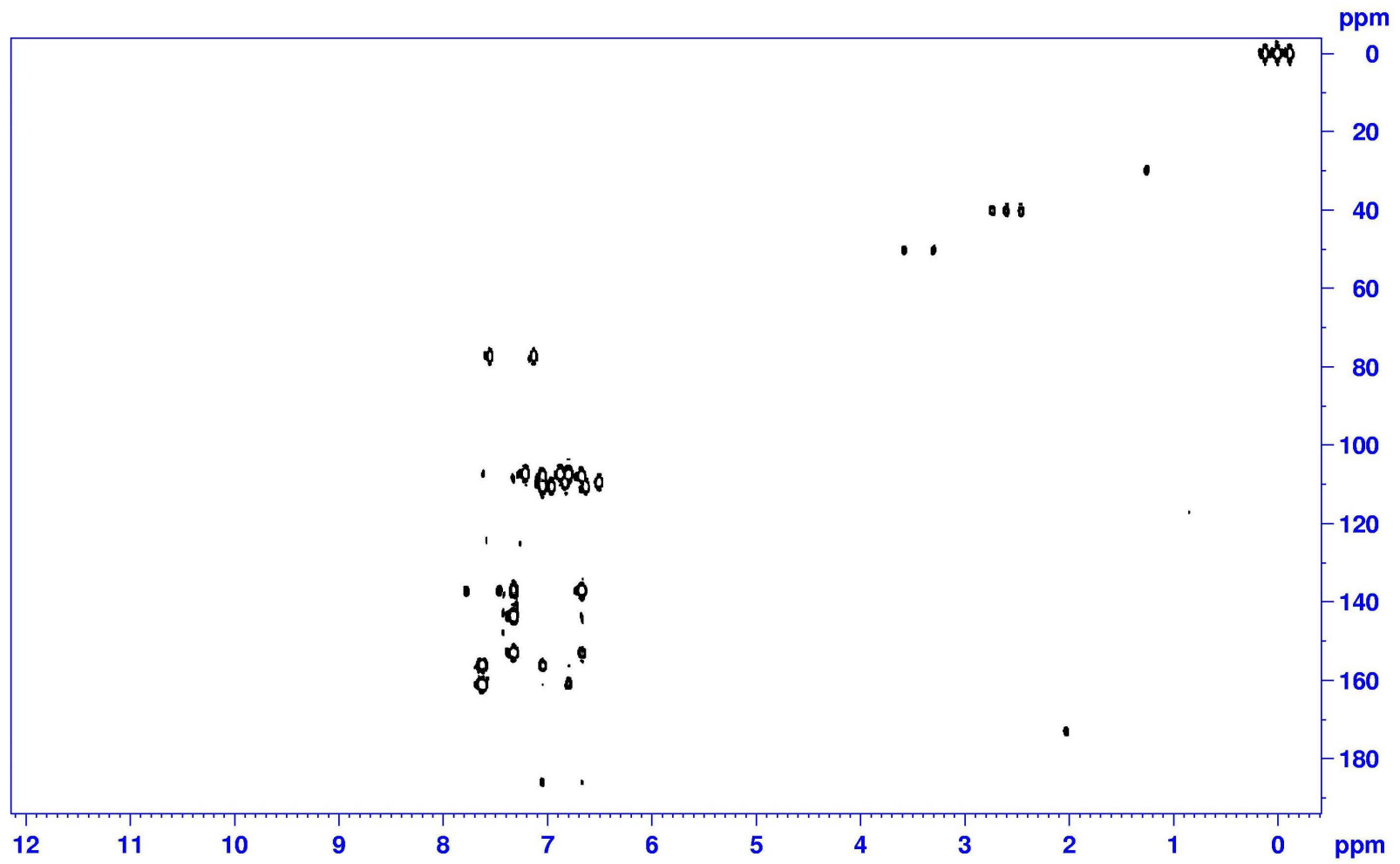
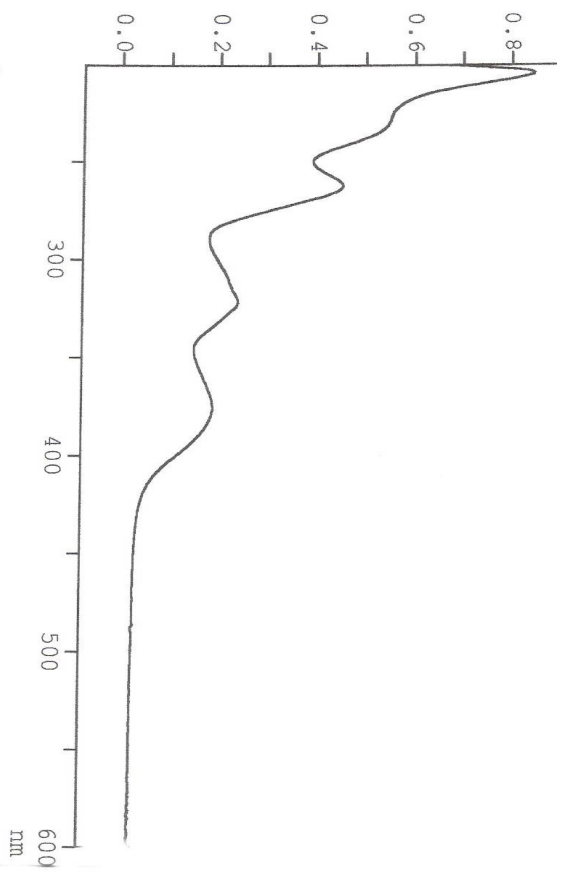
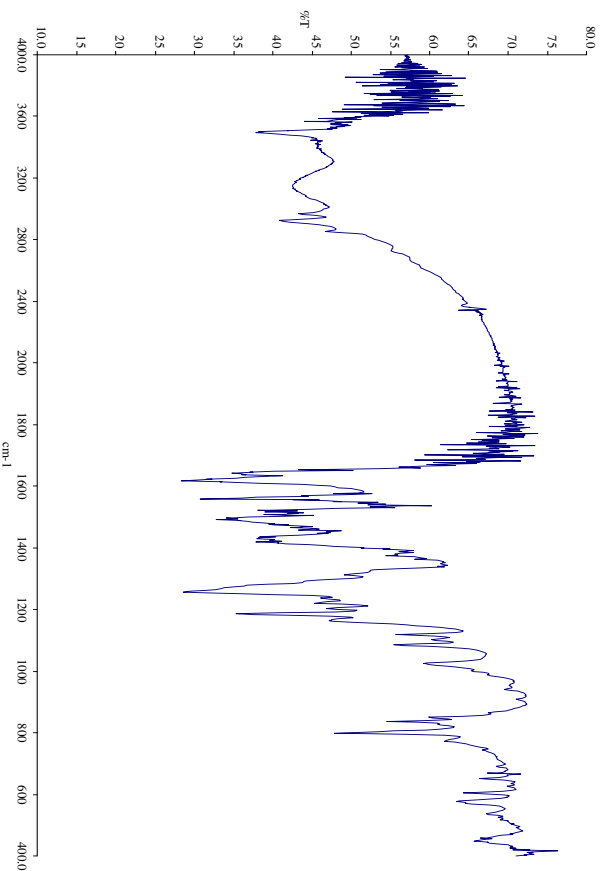


Figure 92 2D HMBC spectrum of PS15



**Figure 93** UV (EtOH) spectrum of PS16



**Figure 94** FT-IR (KBr) spectrum of PS16

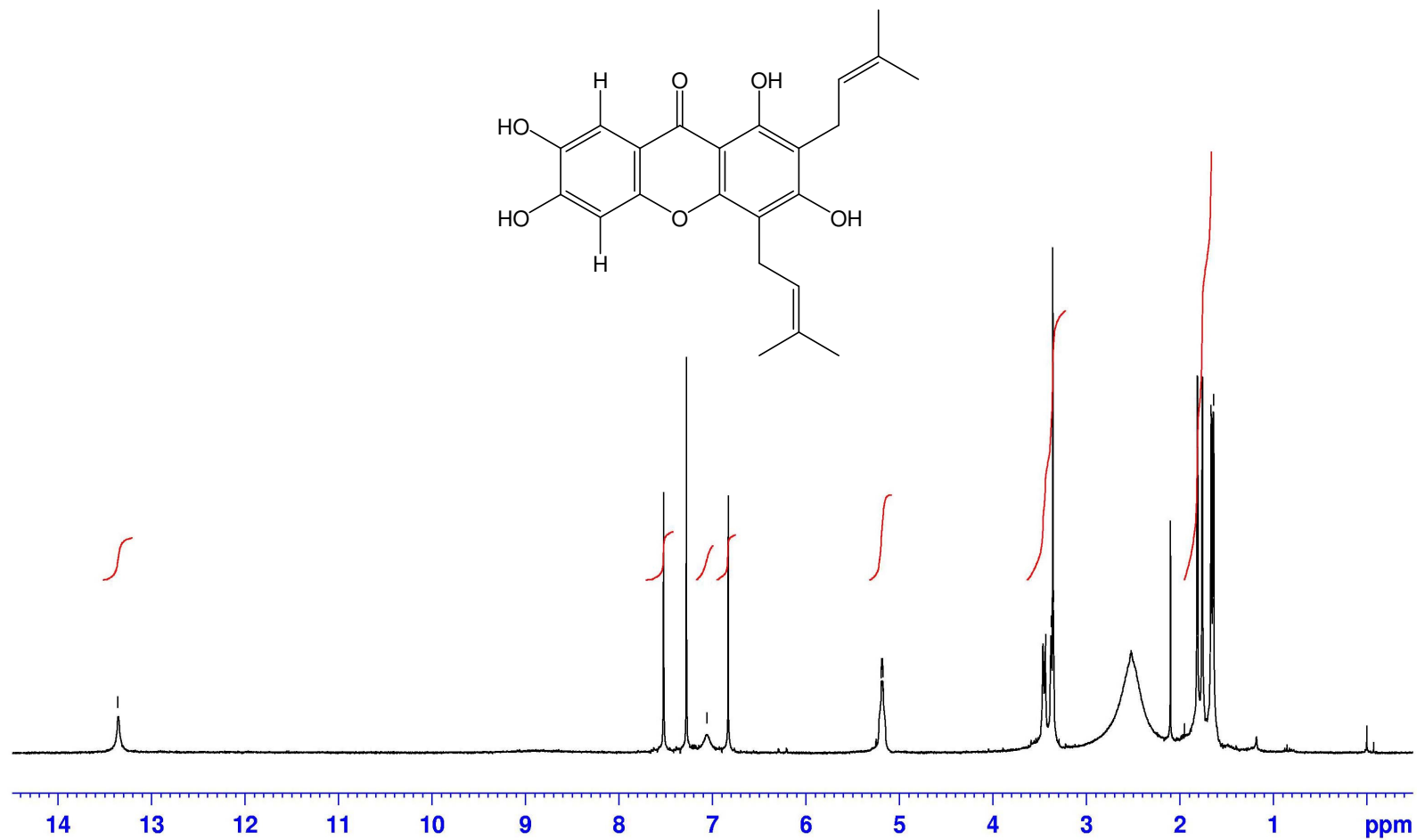


Figure 95 <sup>1</sup>H NMR (300 MHz) (CDCl<sub>3</sub>+DMSO-*d*<sub>6</sub>) spectrum of **PS16**

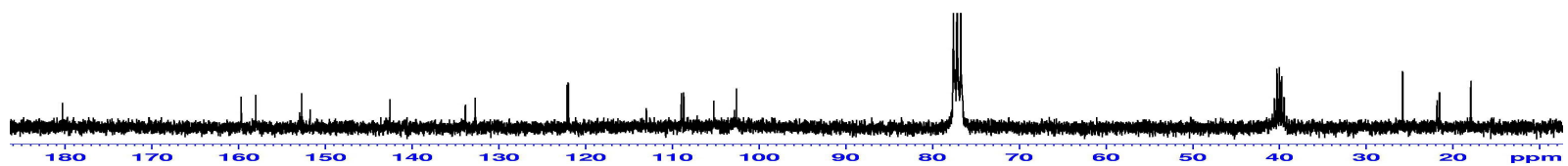


Figure 96  $^{13}\text{C}$  NMR (75 MHz) ( $\text{CDCl}_3 + \text{DMSO}-d_6$ ) spectrum of PS16

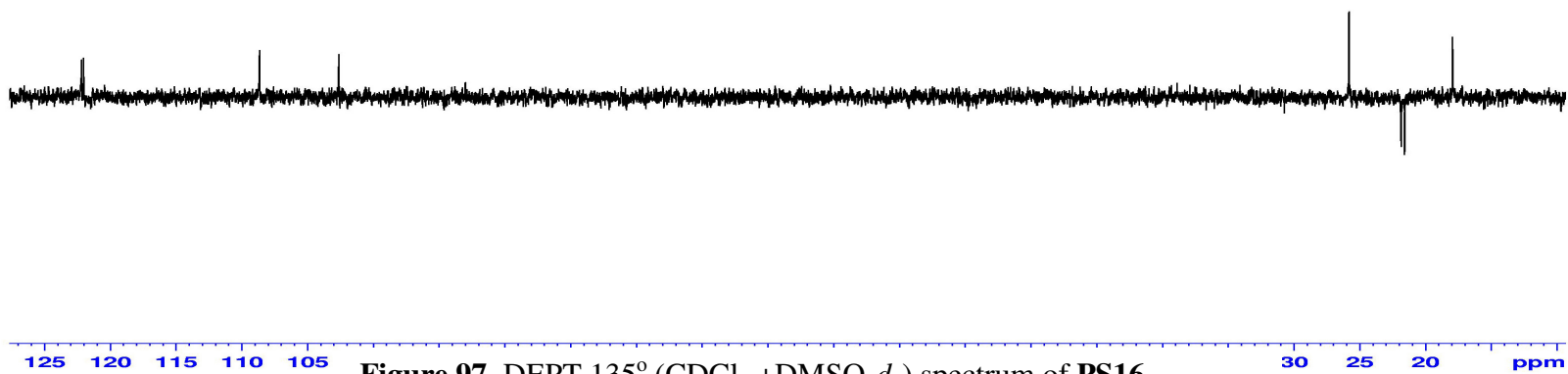
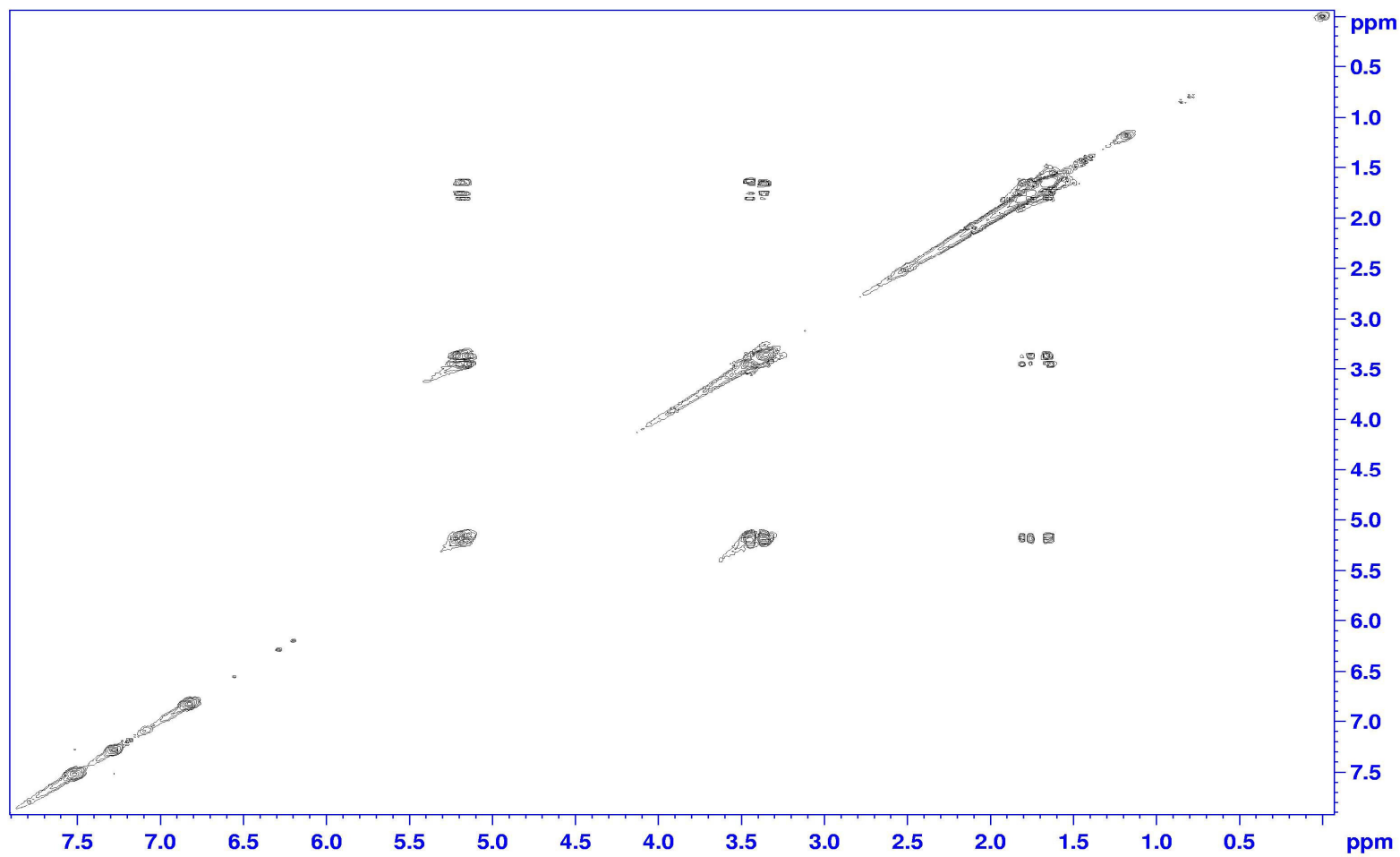
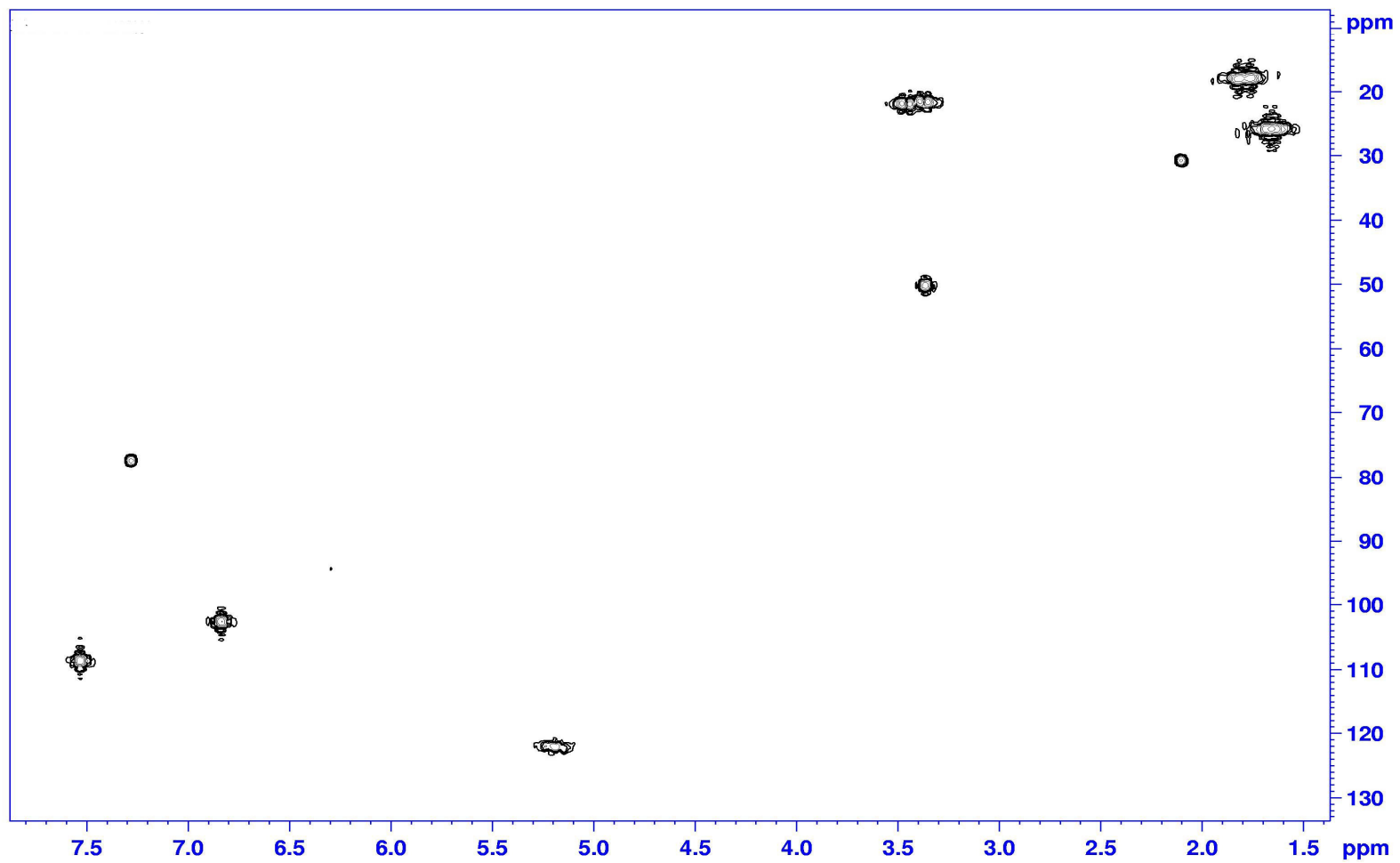


Figure 97 DEPT 135° ( $\text{CDCl}_3 + \text{DMSO}-d_6$ ) spectrum of PS16

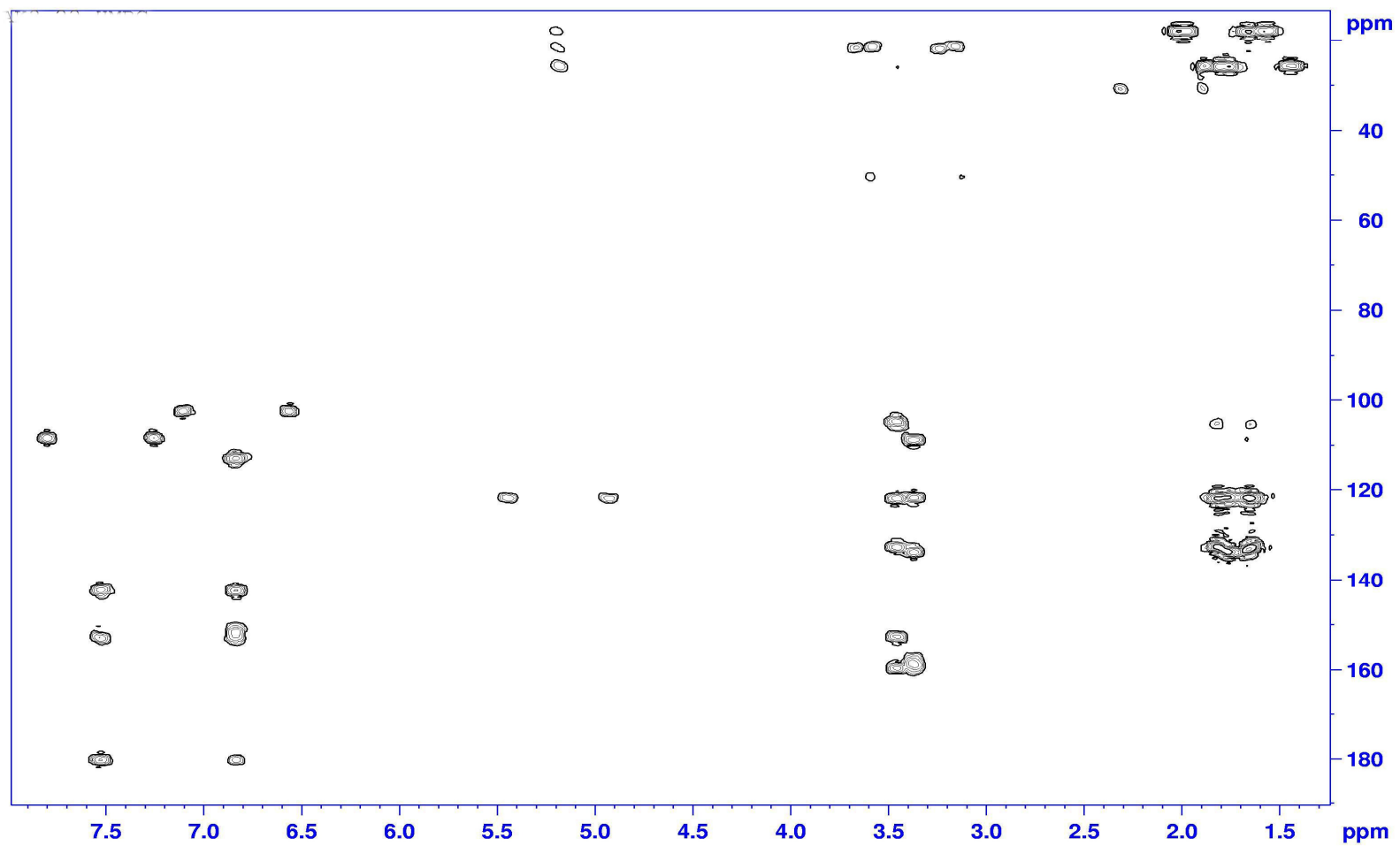




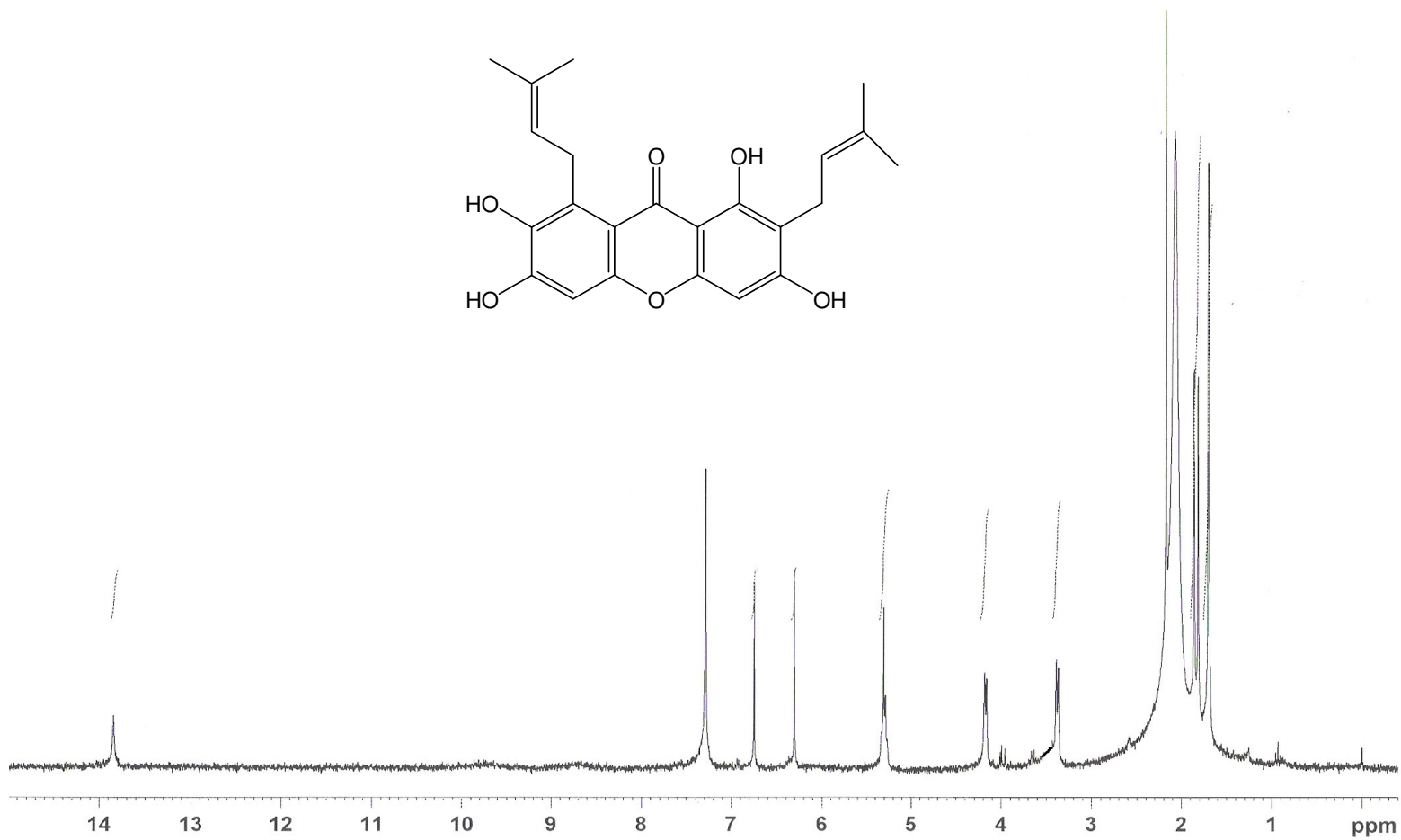
**Figure 98**  $^1\text{H}$ - $^1\text{H}$  COSY spectrum of **PS16**



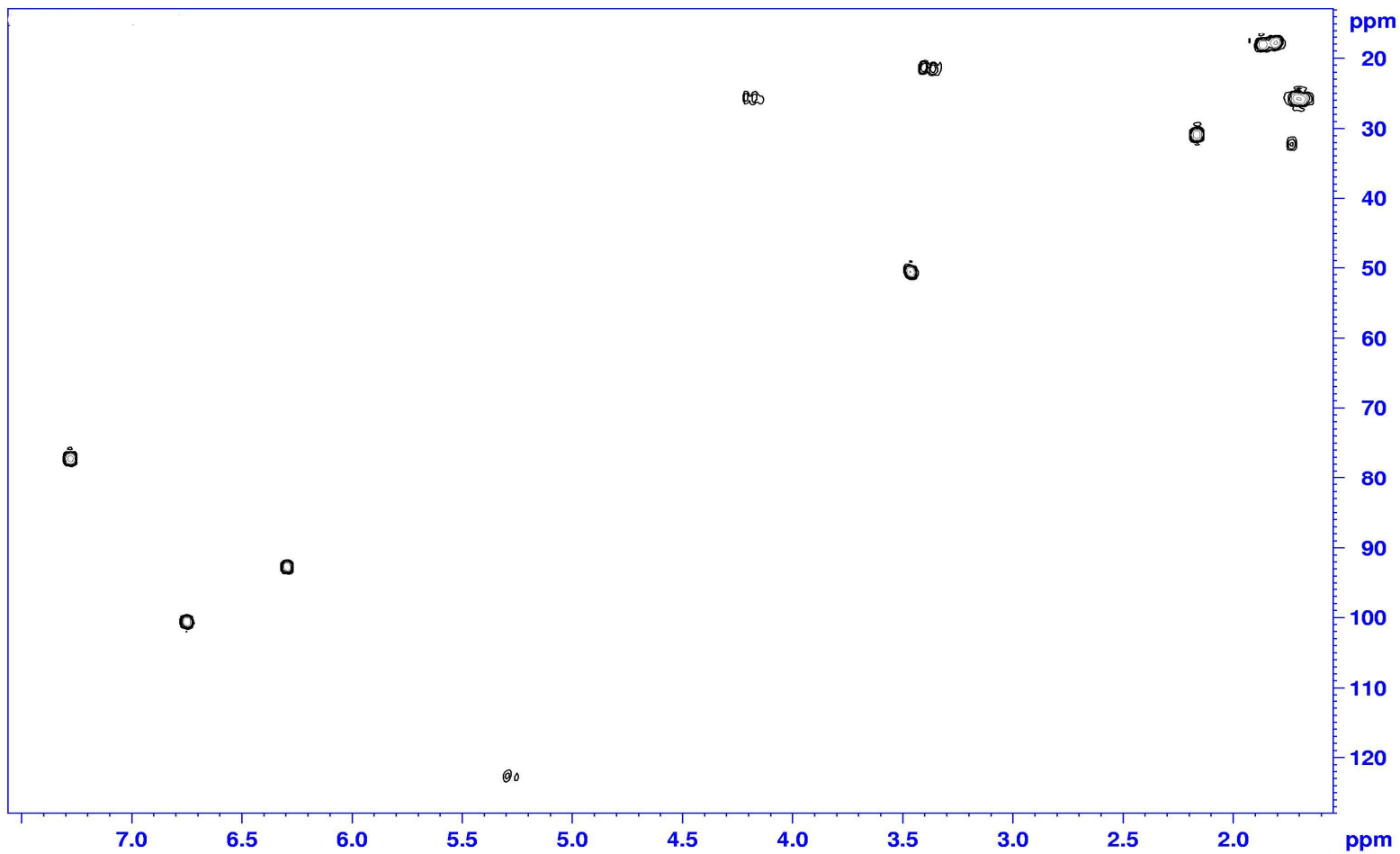
**Figure 99** 2D HMQC spectrum of **PS16**



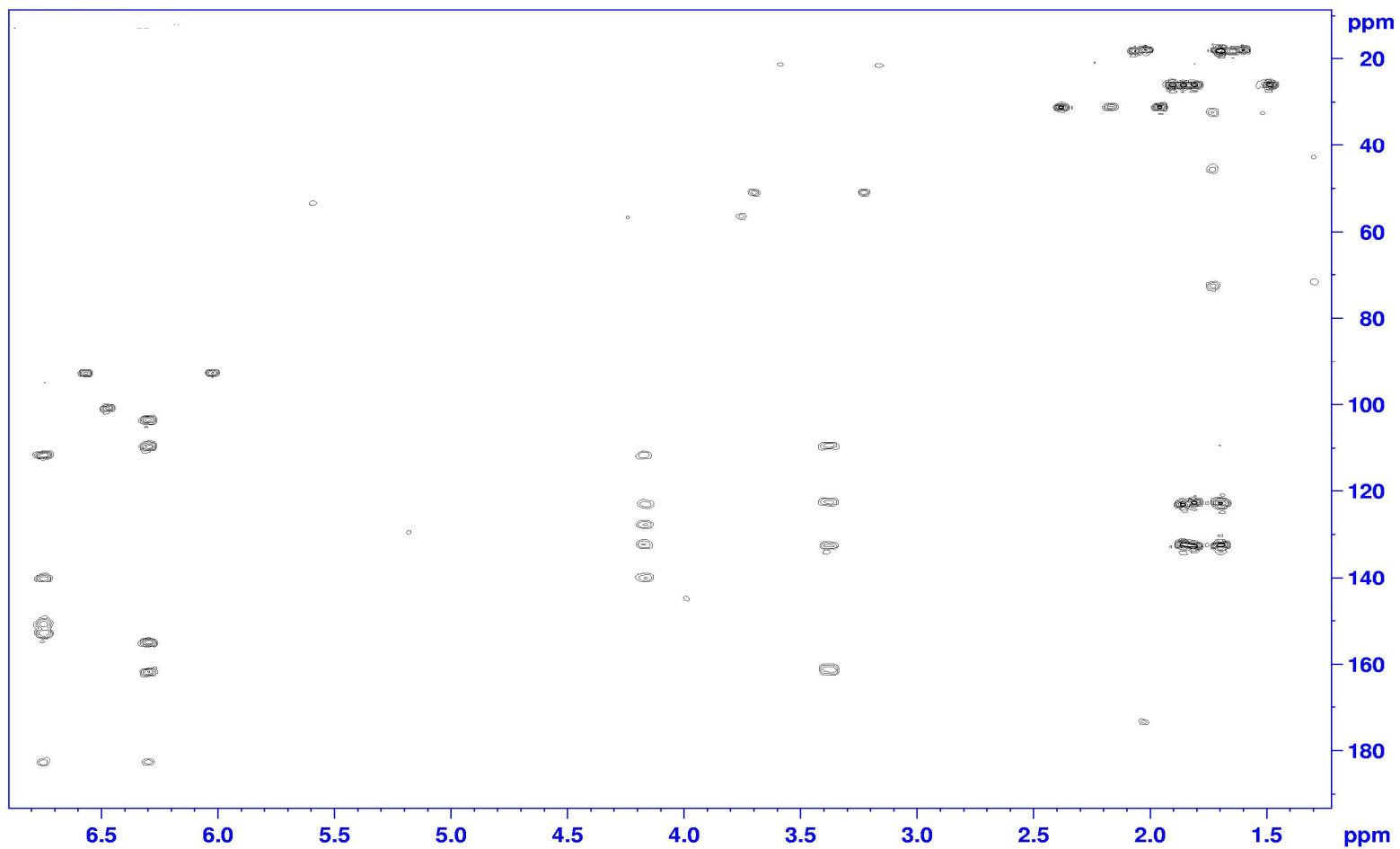
**Figure 100** 2D HMBC spectrum of **PS16**



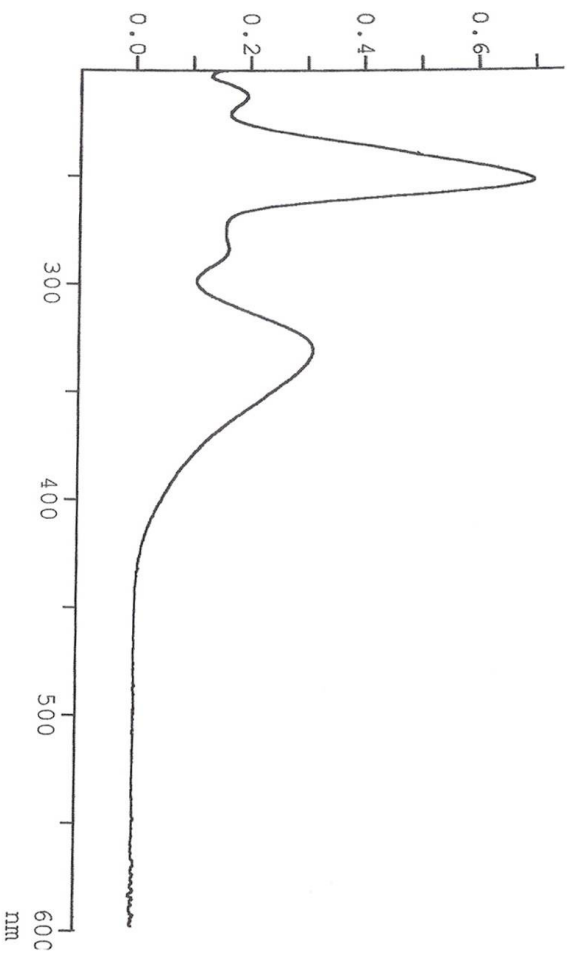
**Figure 101** <sup>1</sup>H NMR (500 MHz) (CDCl<sub>3</sub>+DMSO-*d*<sub>6</sub>) spectrum of **PS17**



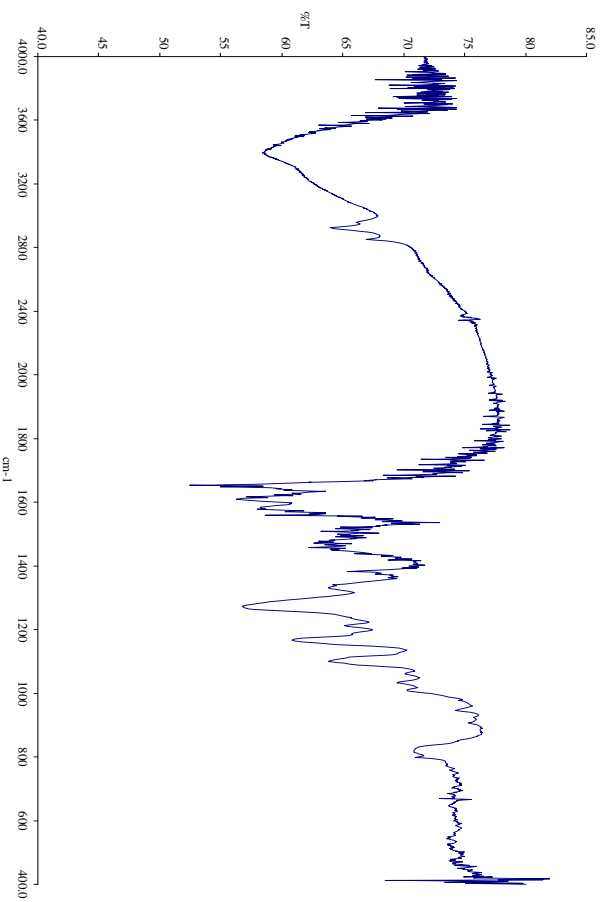
**Figure 102** 2D HMQC spectrum of **PS17**



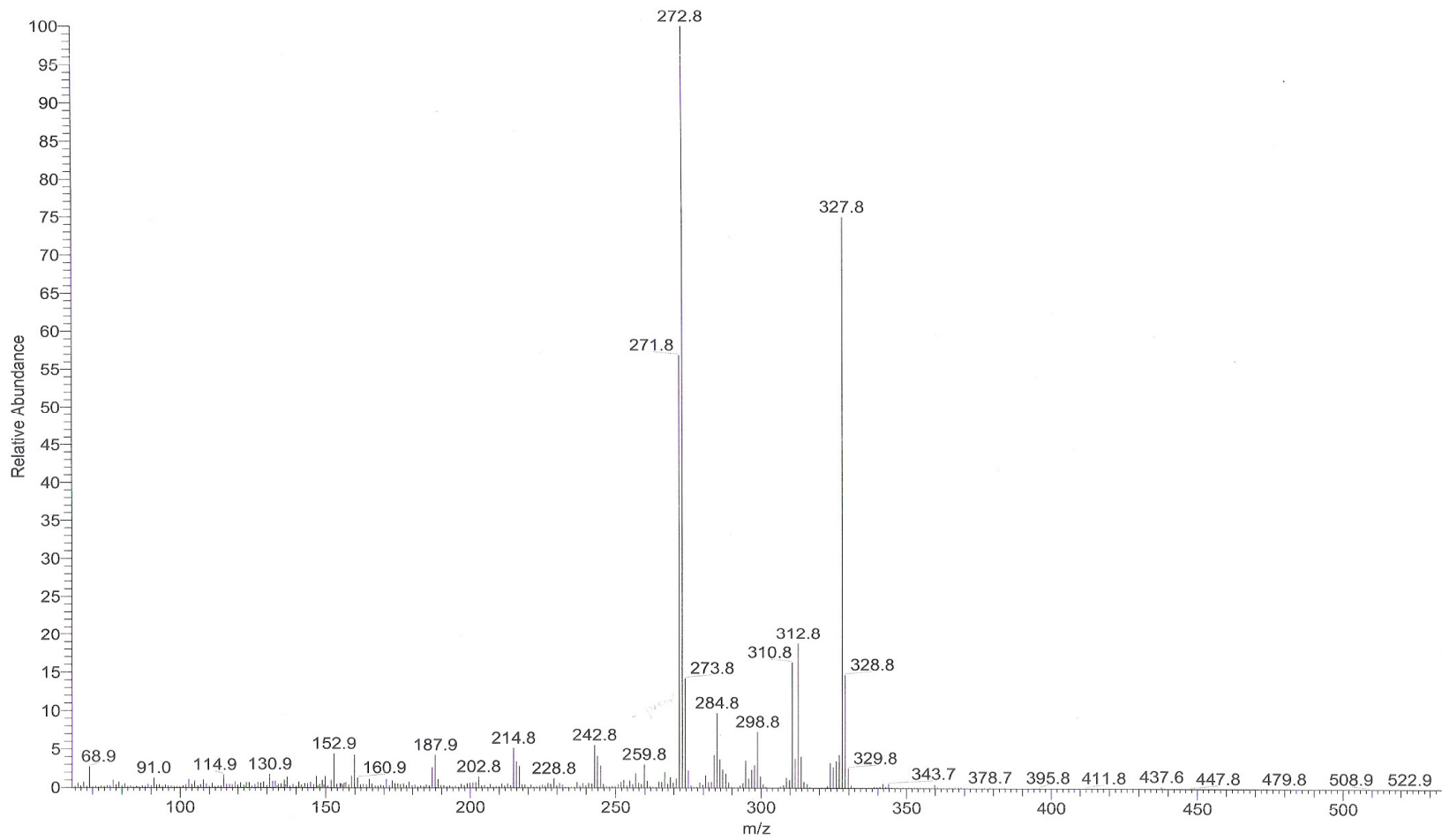
**Figure 103** 2D HMBC spectrum of **PS17**



**Figure 104** UV (EtOH) spectrum of **PS18**



**Figure 105** FT-IR (KBr) spectrum of **PS18**



**Figure 106** EI-MS spectrum of **PS18**



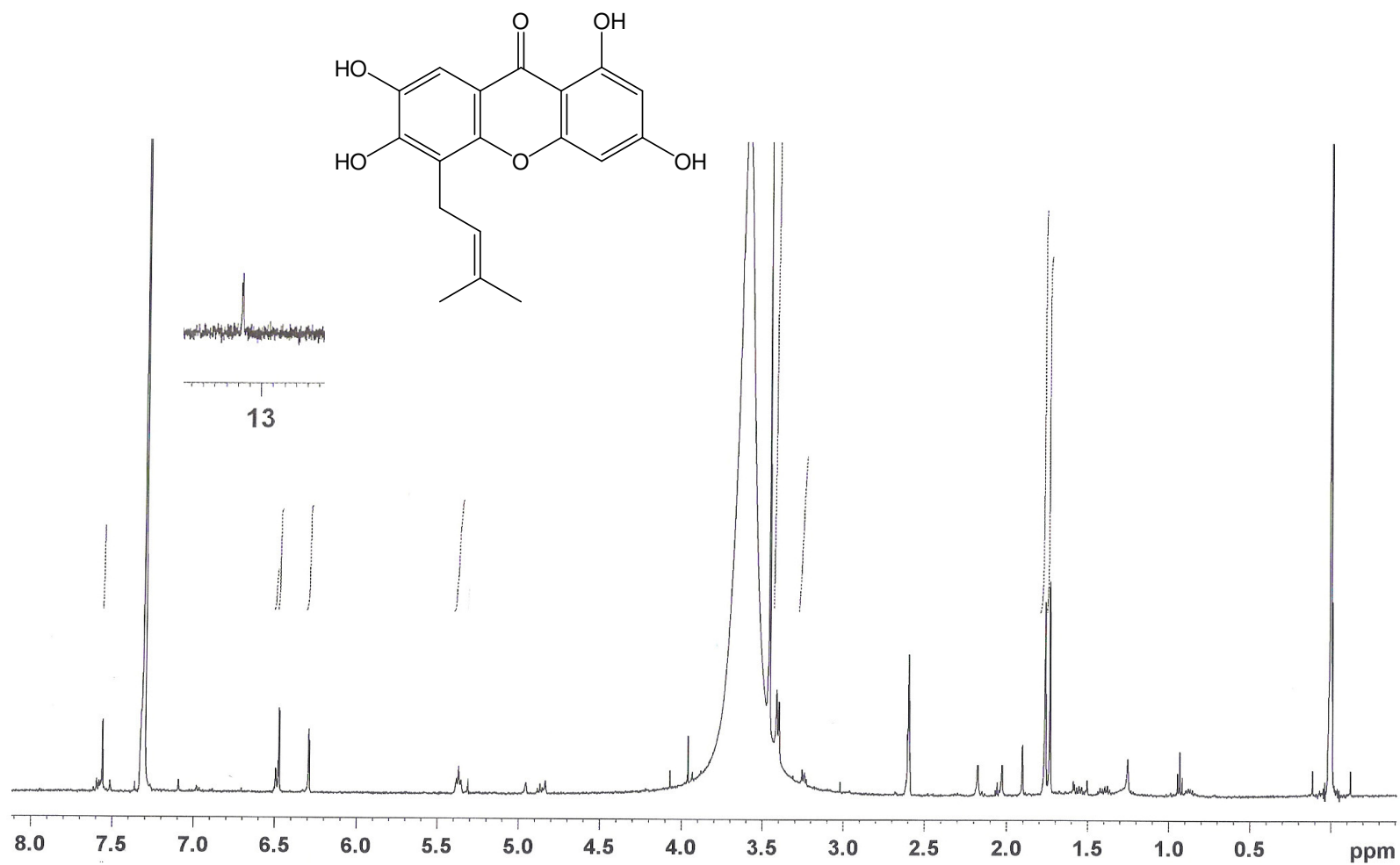
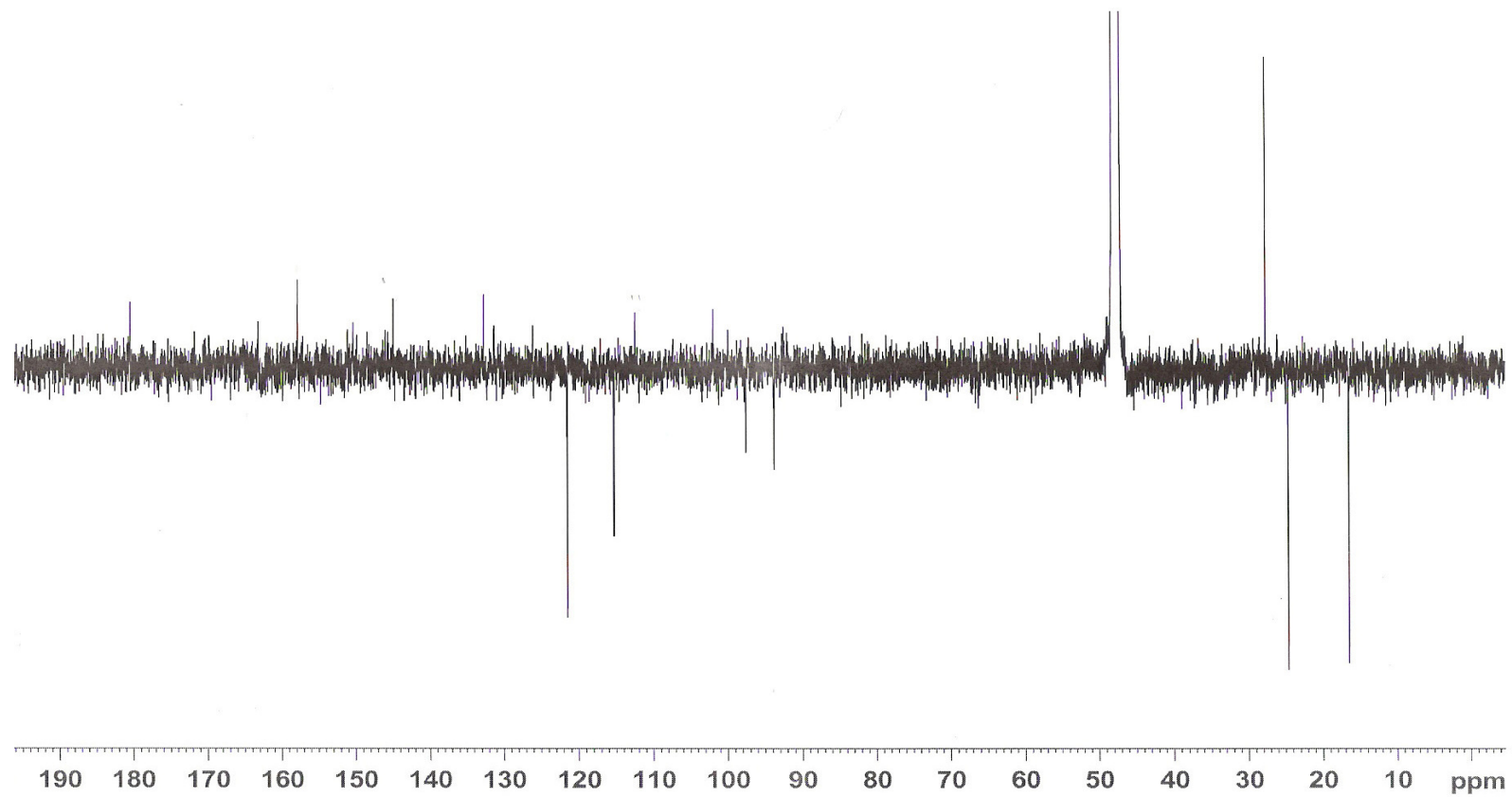
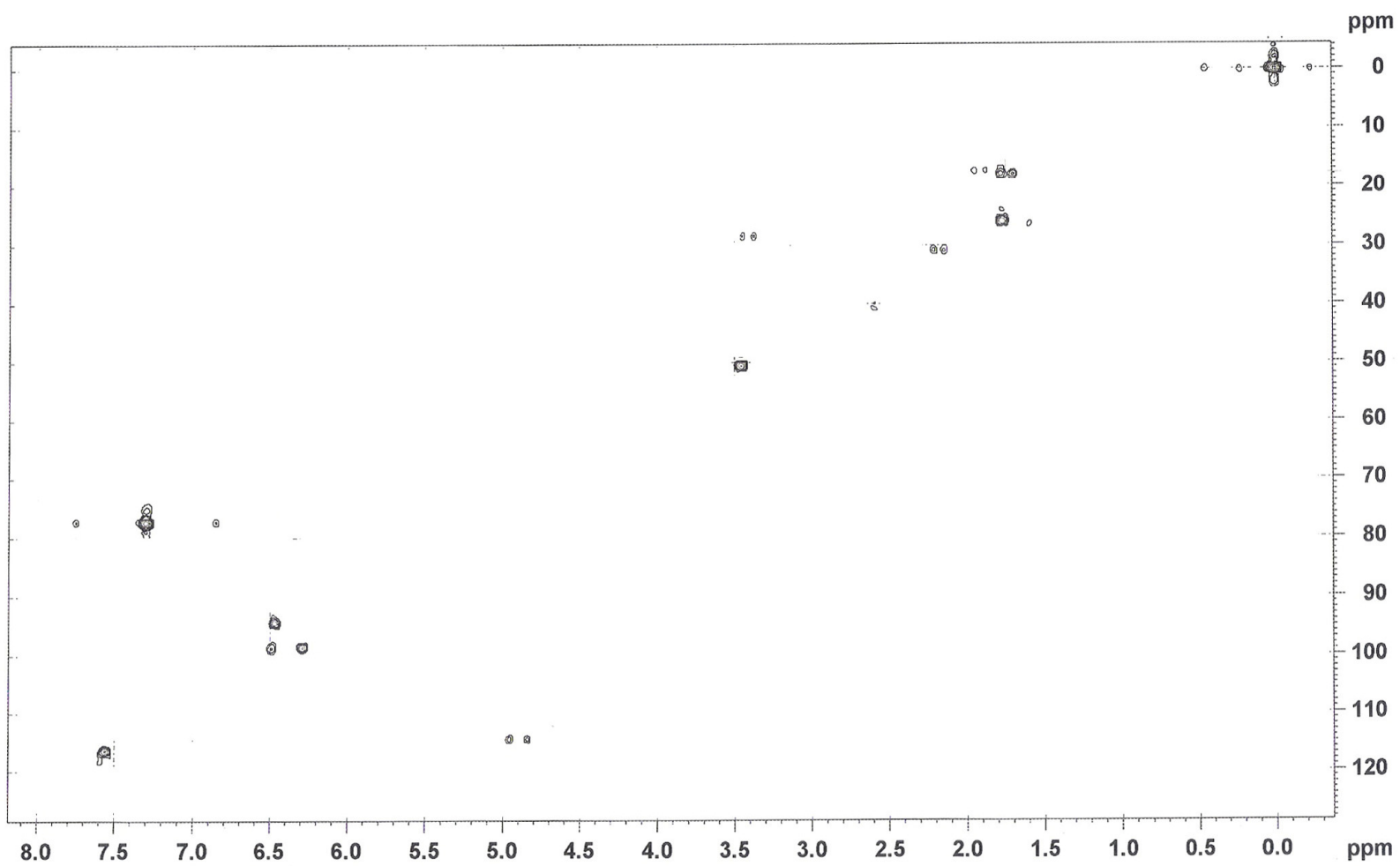


Figure 107 <sup>1</sup>H NMR (500 MHz) (CDCl<sub>3</sub>+DMSO-*d*<sub>6</sub>) spectrum of PS18

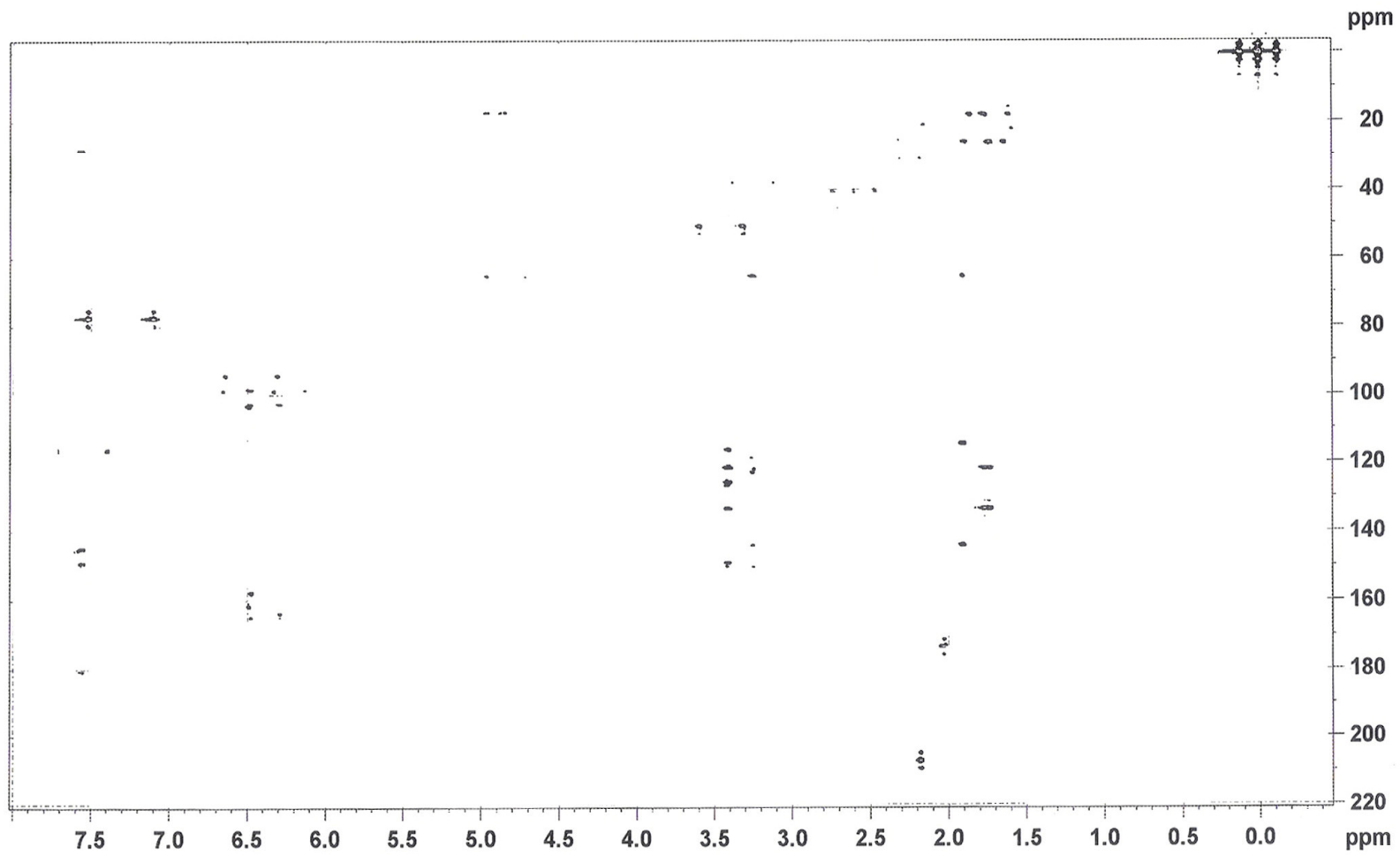


**Figure 108** DEPTQGPSP (CD<sub>3</sub>OD) spectrum of **PS18**

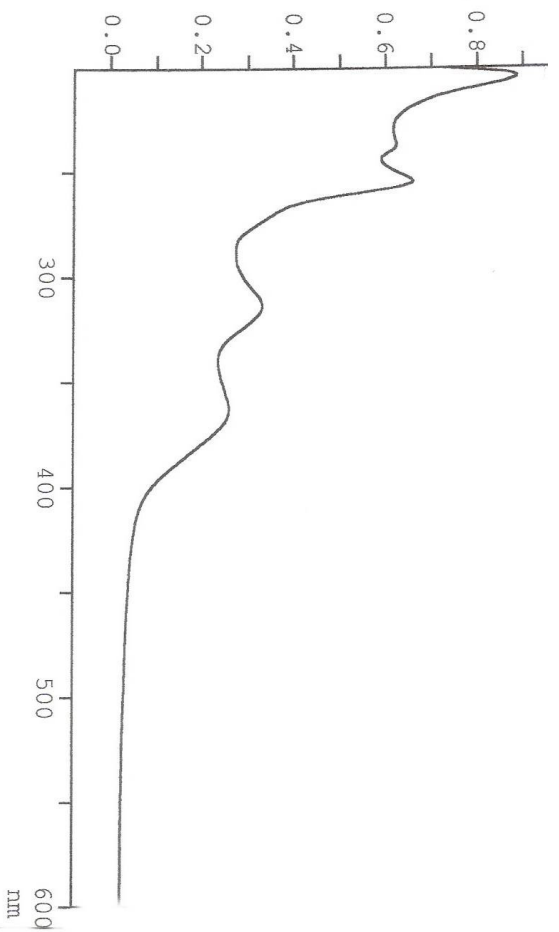




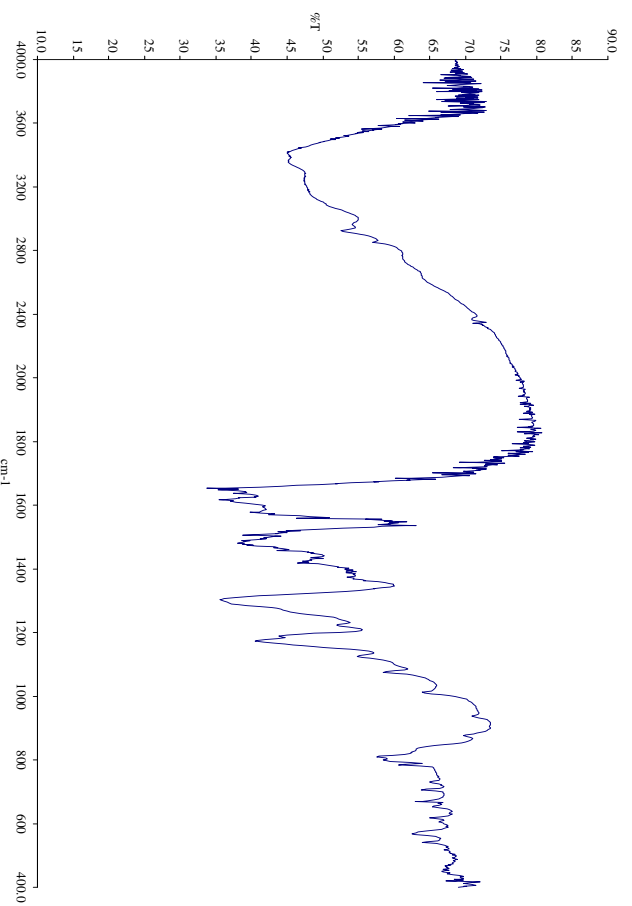
**Figure 110** 2D HMQC spectrum of **PS18**



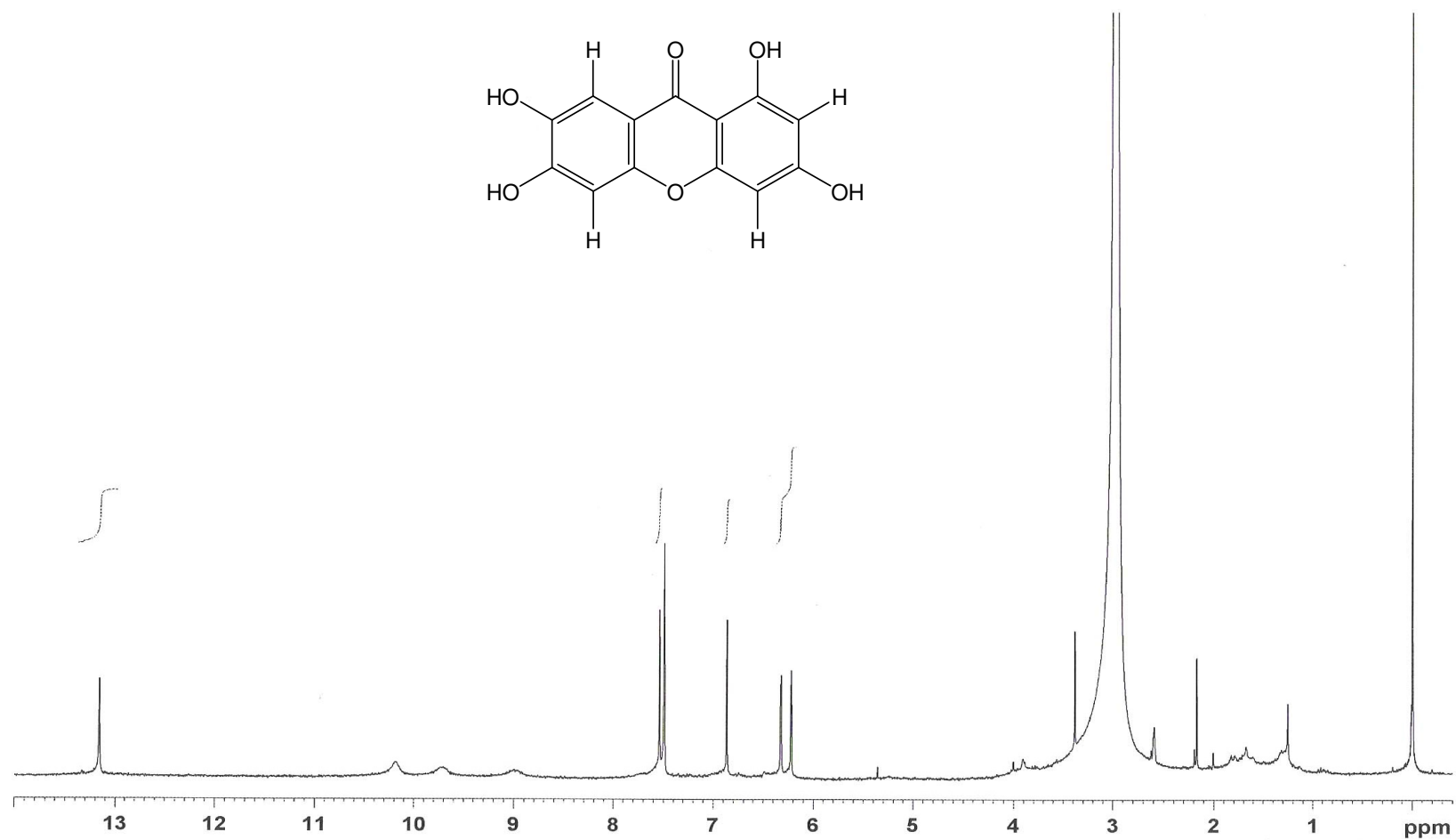
**Figure 111** 2D HMBC spectrum of **PS18**



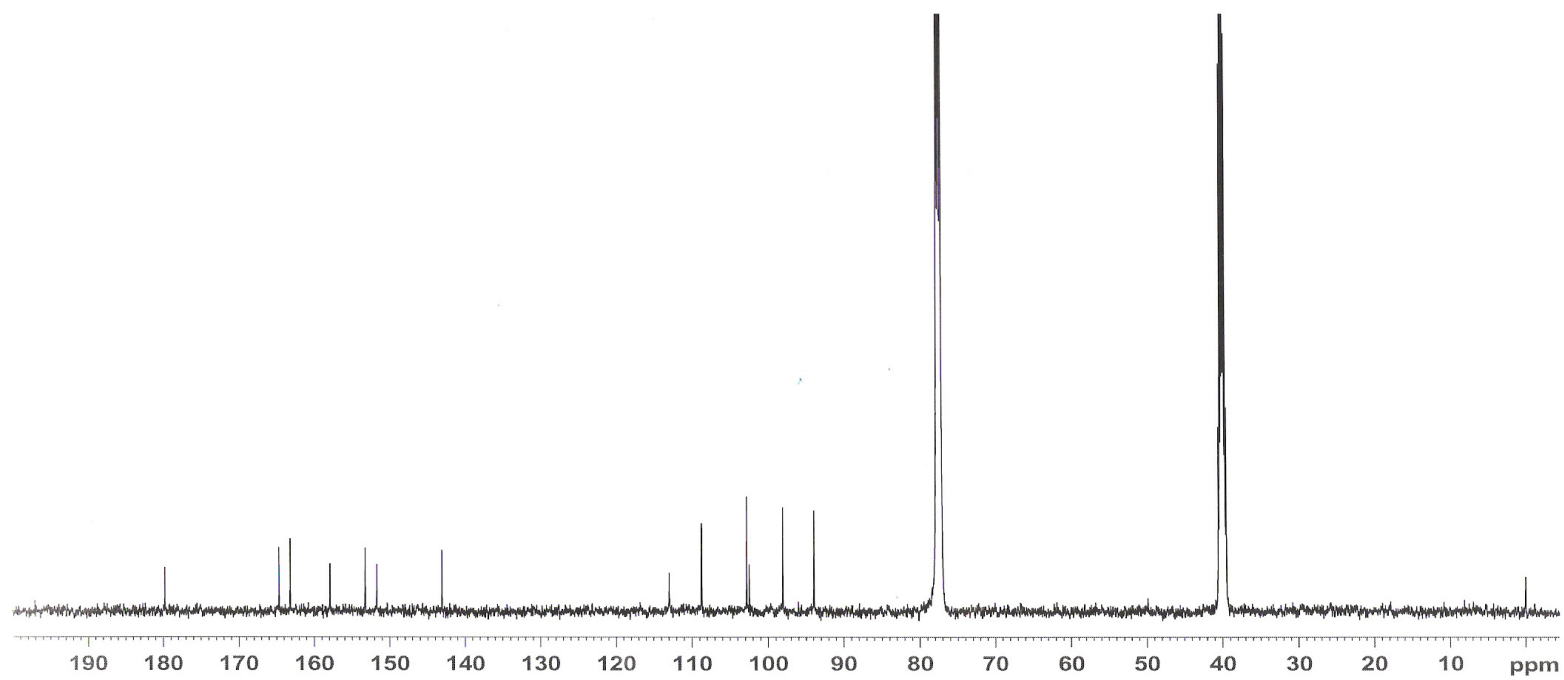
**Figure 112** UV (EtOH) spectrum of **PS19**



**Figure 113** FT-IR (KBr) spectrum of **PS19**

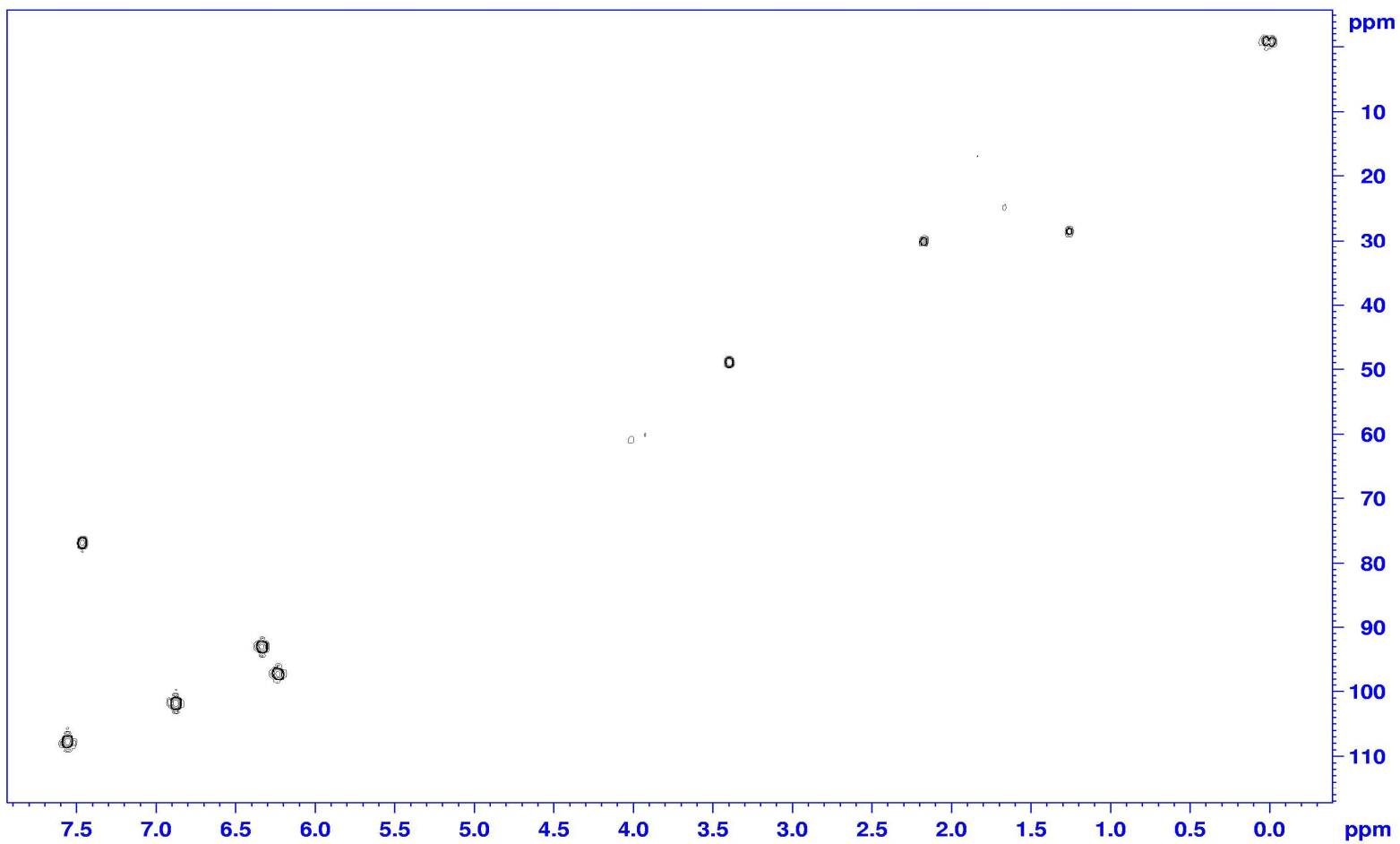


**Figure 114** <sup>1</sup>H NMR (300 MHz) (CDCl<sub>3</sub>+DMSO-*d*<sub>6</sub>) spectrum of **PS19**



**Figure 115**  $^{13}\text{C}$  NMR (75 MHz) ( $\text{CDCl}_3+\text{DMSO}-d_6$ ) spectrum of **PS19**





**Figure 116** 2D HMQC spectrum of **PS19**

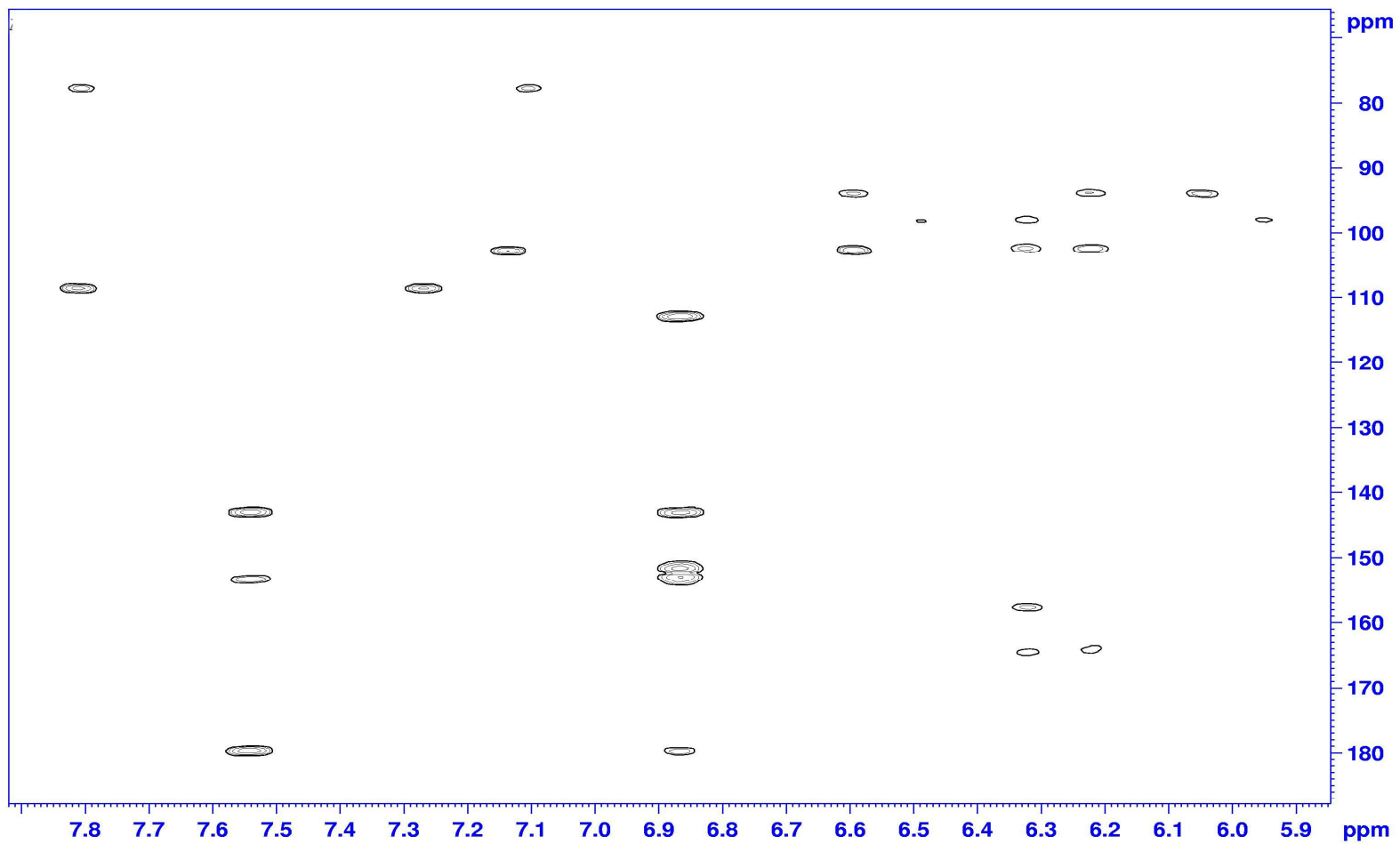


Figure 117 2D HMBC spectrum of **PS19**