

## Simple and Rapid Method for Wogonin Preparation and its Biotransformation.

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Figure S1.  $^1\text{H}$  NMR of 4'-hydroxywogonin (5)

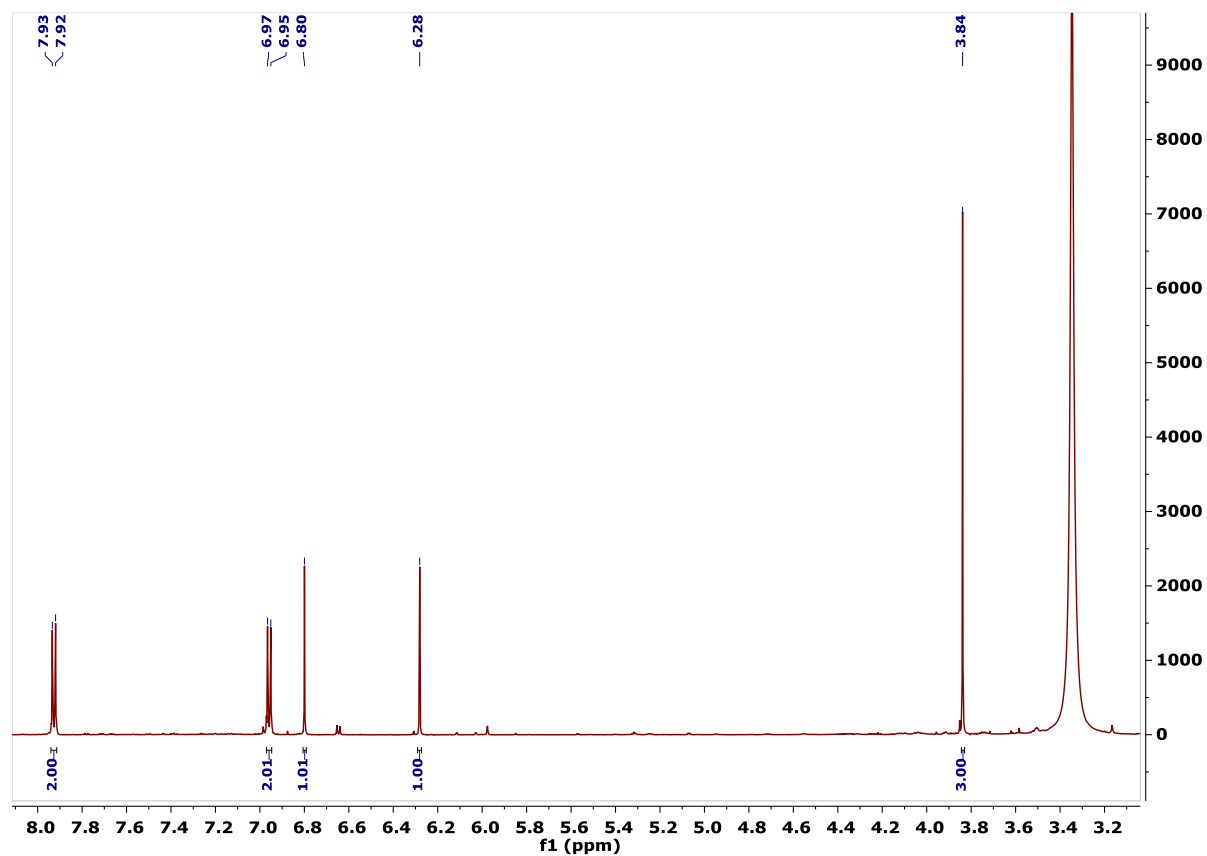


Figure S2.  $^{13}\text{C}$  NMR of 4'-hydroxywogonin (5)

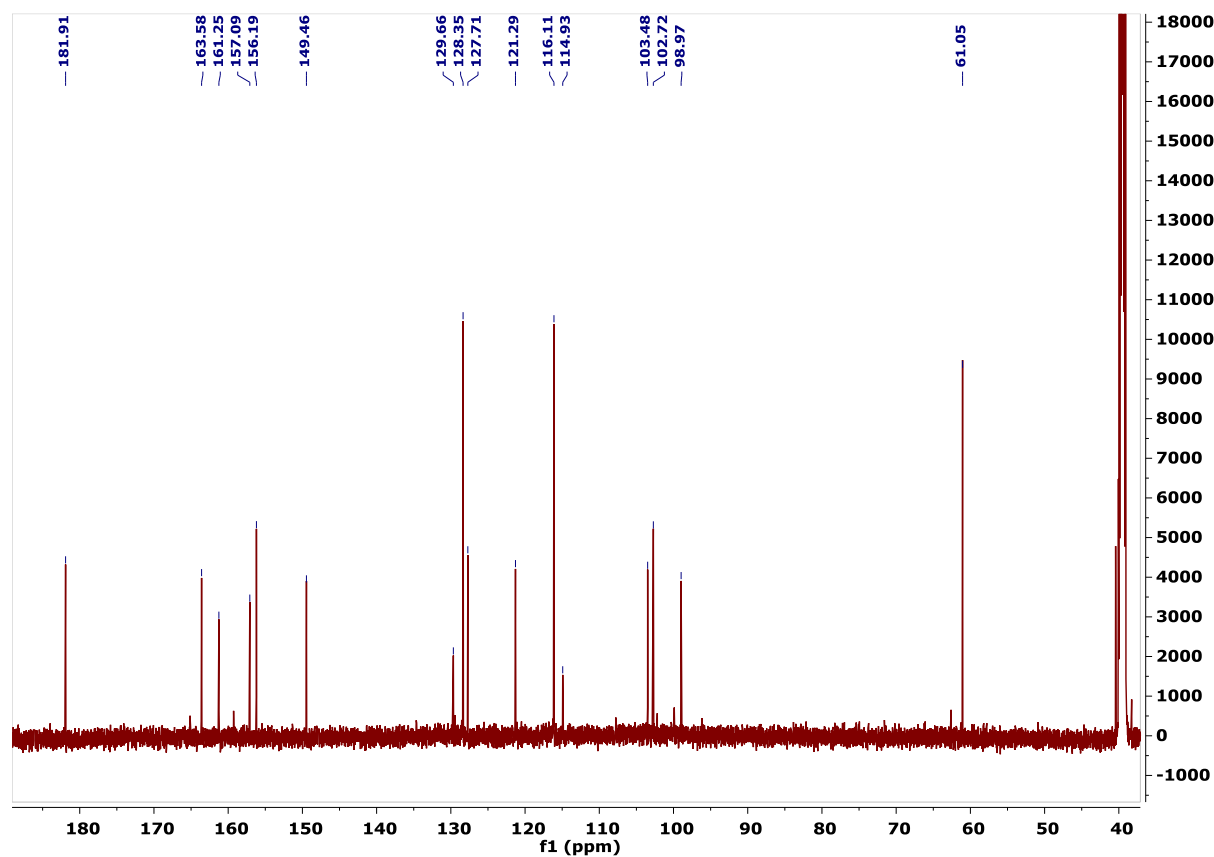


Figure S3 .  $^1\text{H}$ - $^1\text{H}$  NMR (COSY) spectrum of 4'-hydroxywogonin (5)

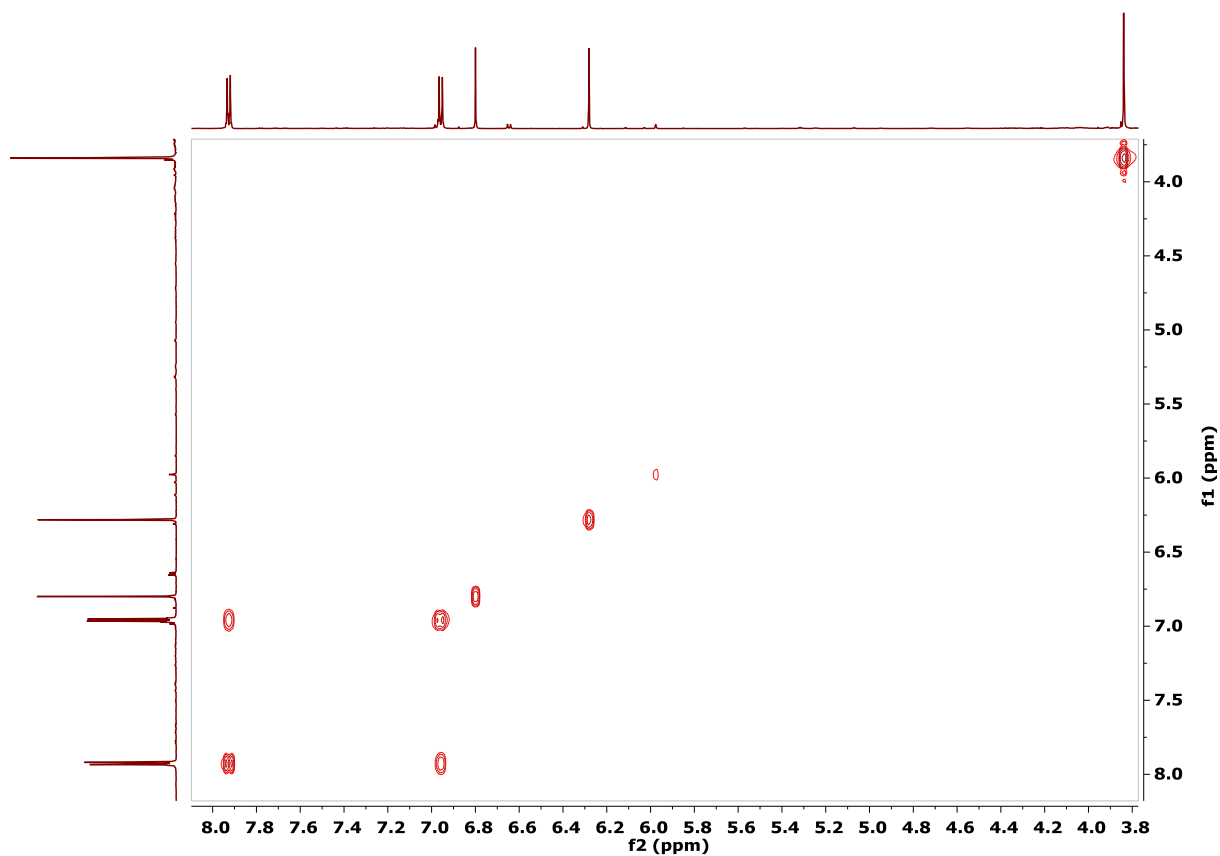


Figure S4.  $^1\text{H}$ - $^{13}\text{C}$  NMR (HSQC) spectrum of 4'-hydroxywogonin (5)

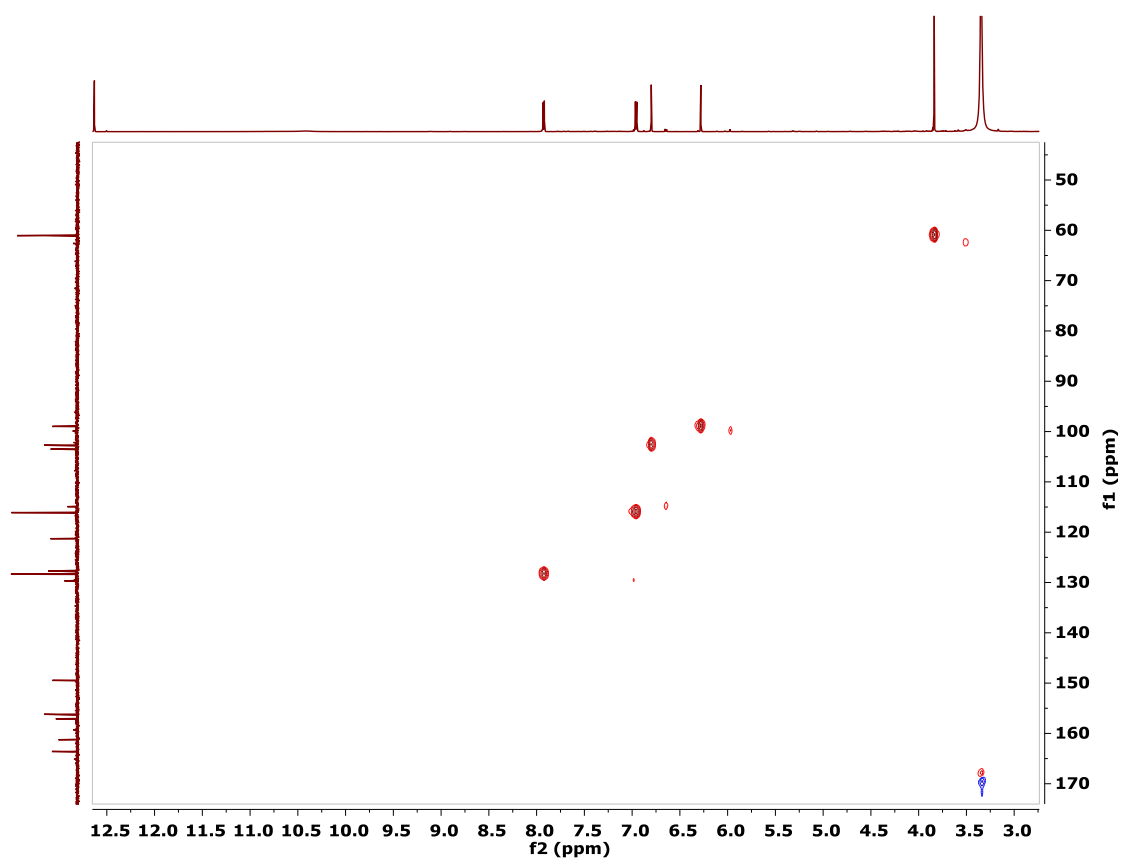


Figure S5. <sup>1</sup>H NMR spectra of: wogonin (4) and 4'-hydroxywogonin (5)

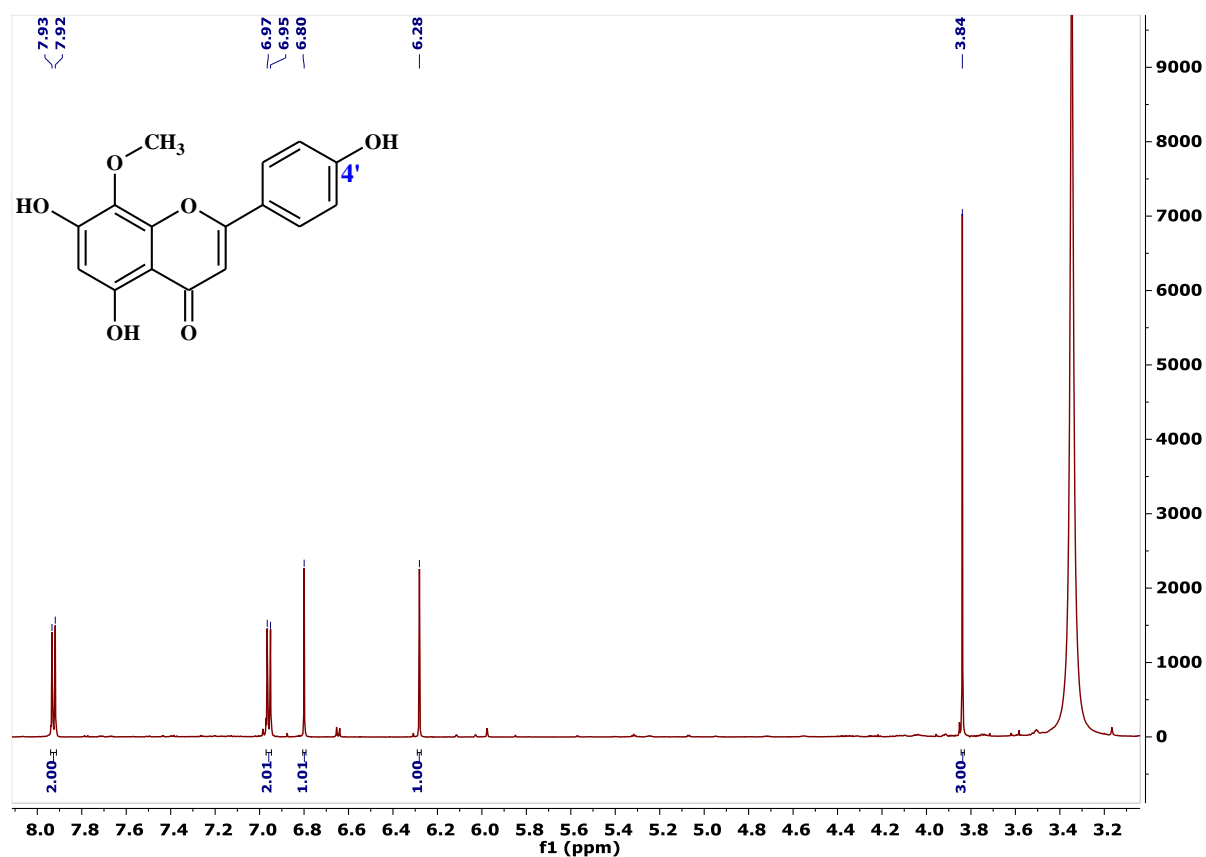
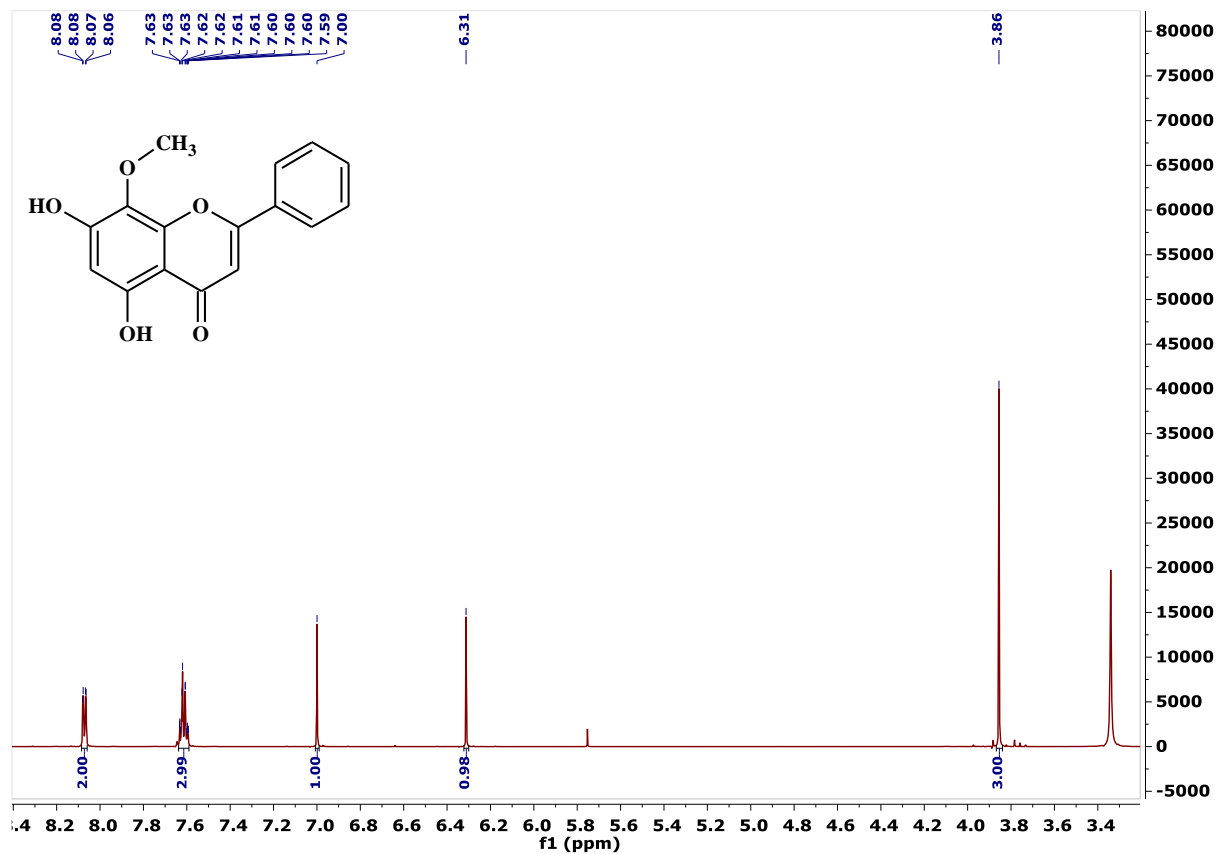


Figure S6. Fragments of  $^1\text{H}$  NMR spectra of: wogonin (4) and 4'-hydroxywogonin (5)

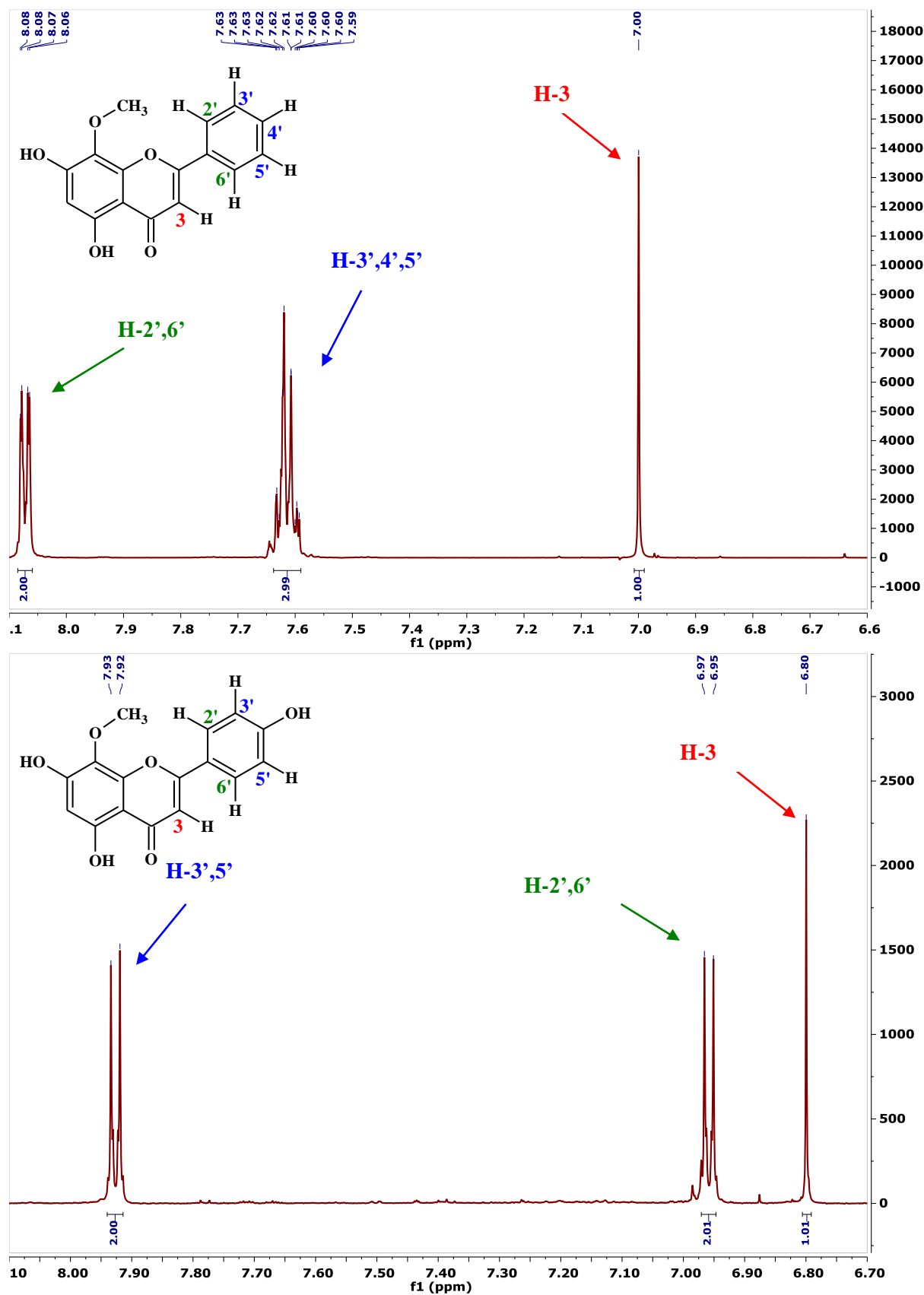


Figure S7. Fragments of  $^{13}\text{C}$  NMR spectra of: wogonin (4) and 4'-hydroxywogonin (5)

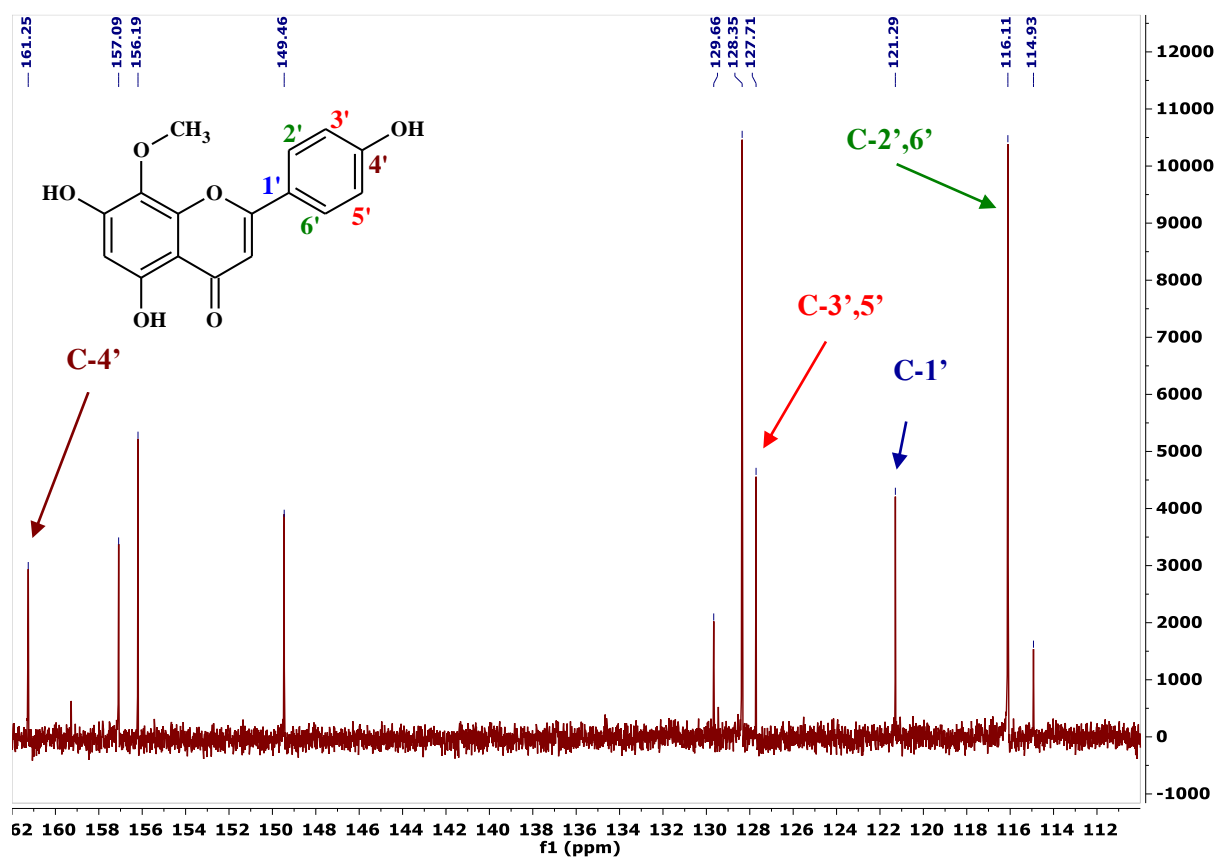
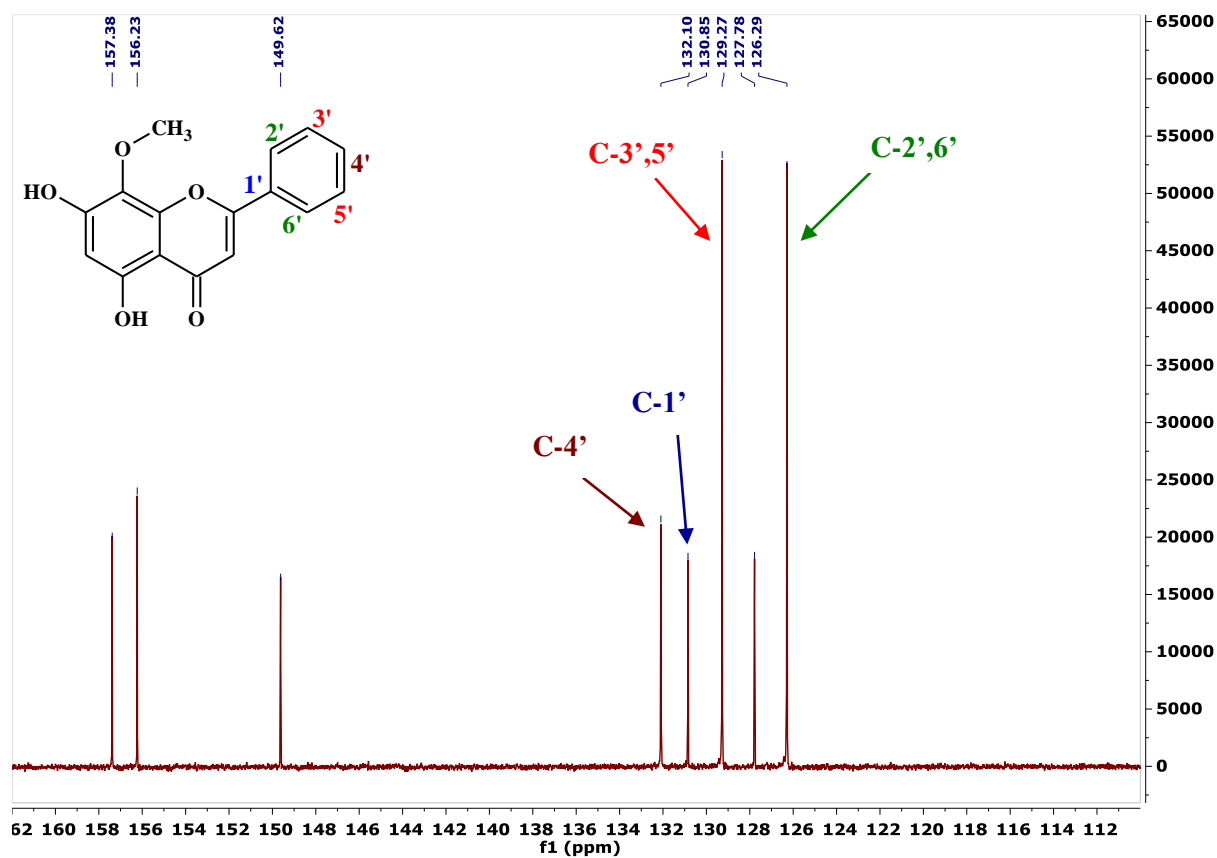


Figure S8. Fragment of  $^1\text{H}$  -  $^1\text{H}$  NMR (COSY) spectrum of 4'-hydroxywogonin (5)

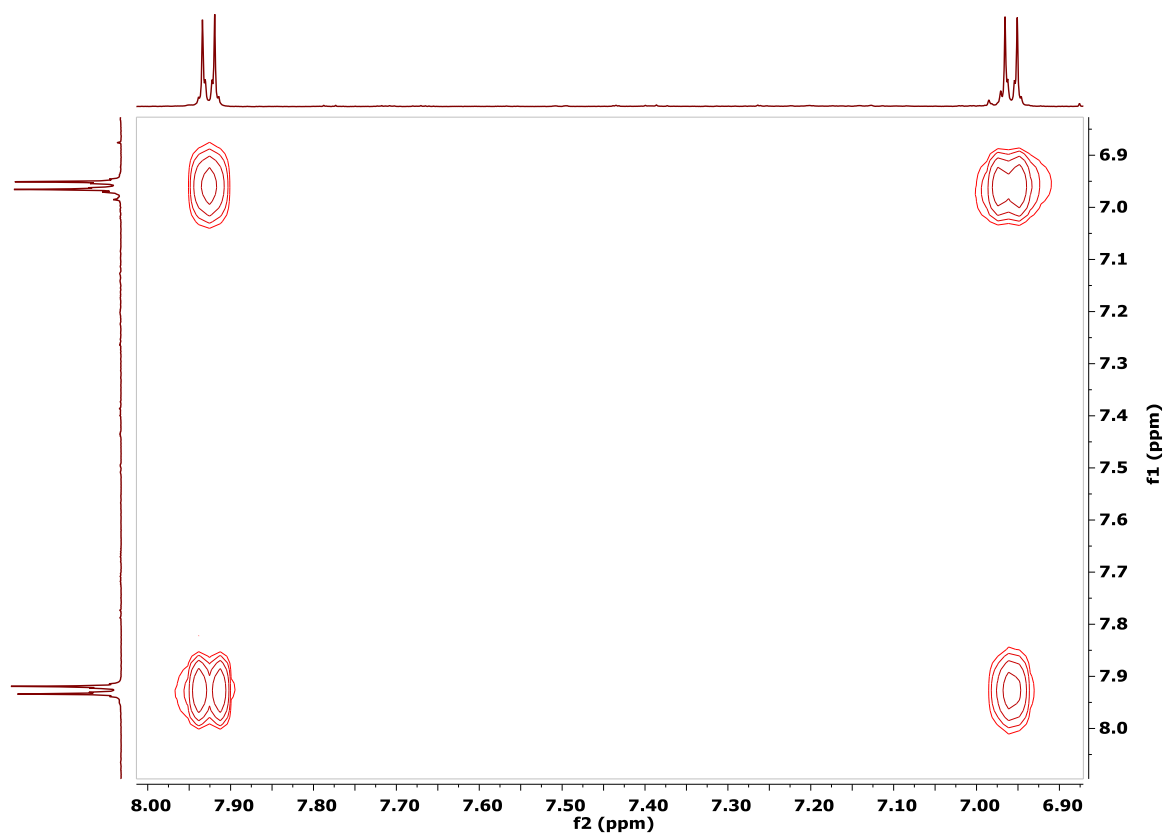


Figure S9. Fragment of  $^1\text{H}$  -  $^{13}\text{C}$  NMR (HSQC) spectrum of 4'-hydroxywogonin (5)

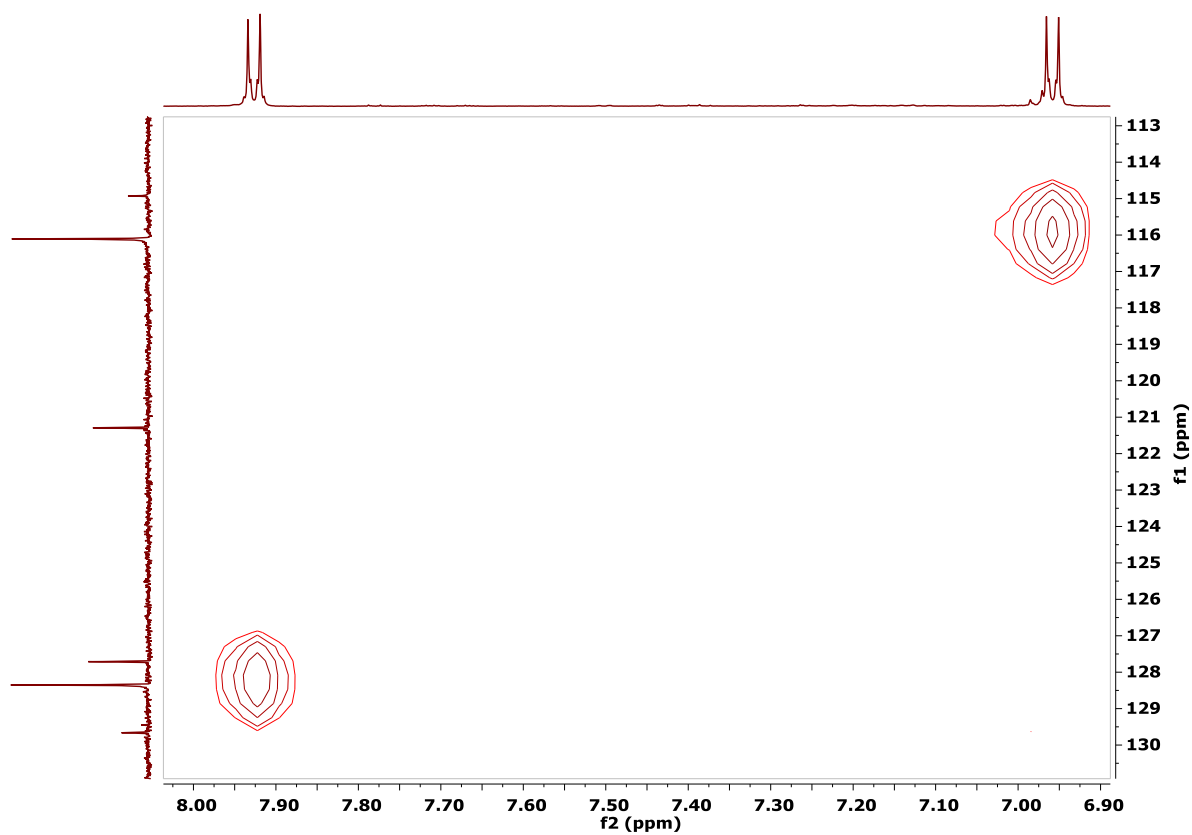


Figure S10.  $^1\text{H}$  NMR of wogonin 7-O- $\beta$ -D-glucopyranoside (6)

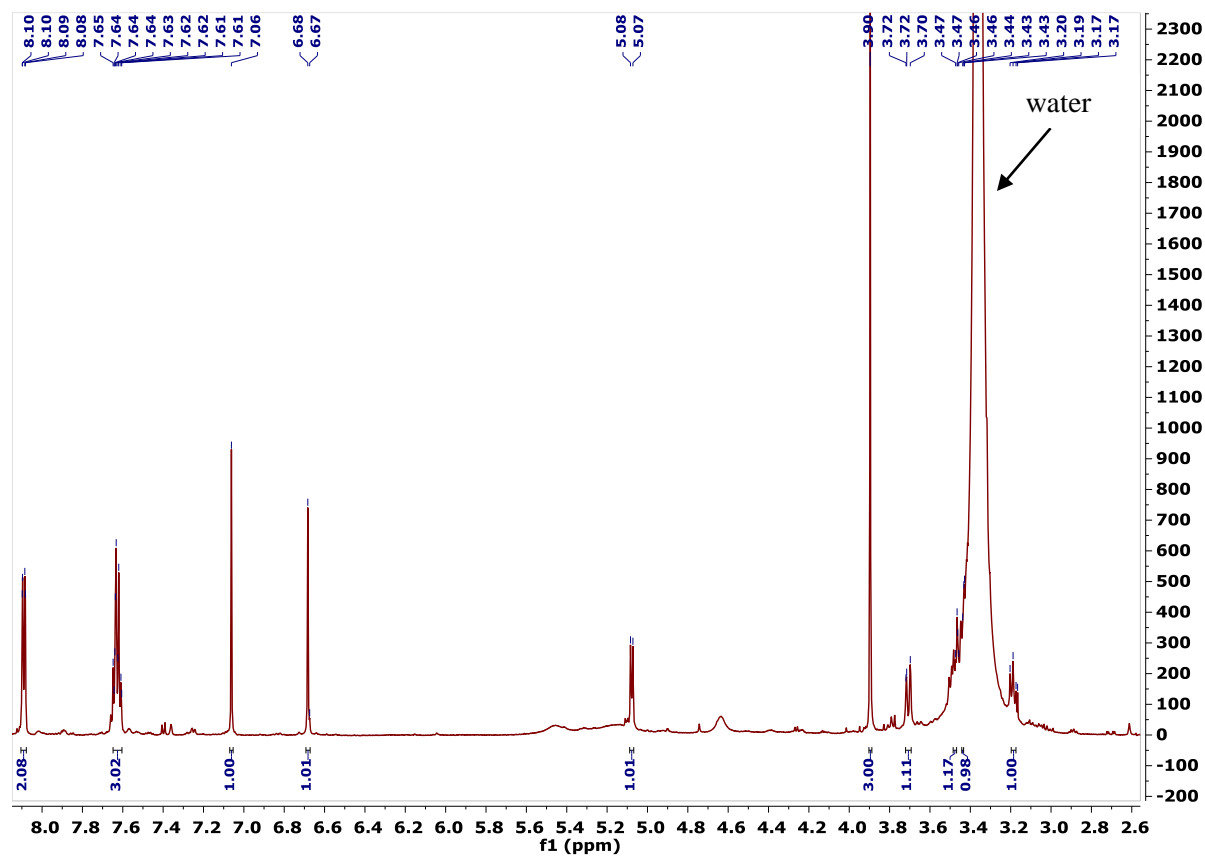


Figure S11.  $^{13}\text{C}$  NMR of wogonin 7-O- $\beta$ -D-glucopyranoside (6)

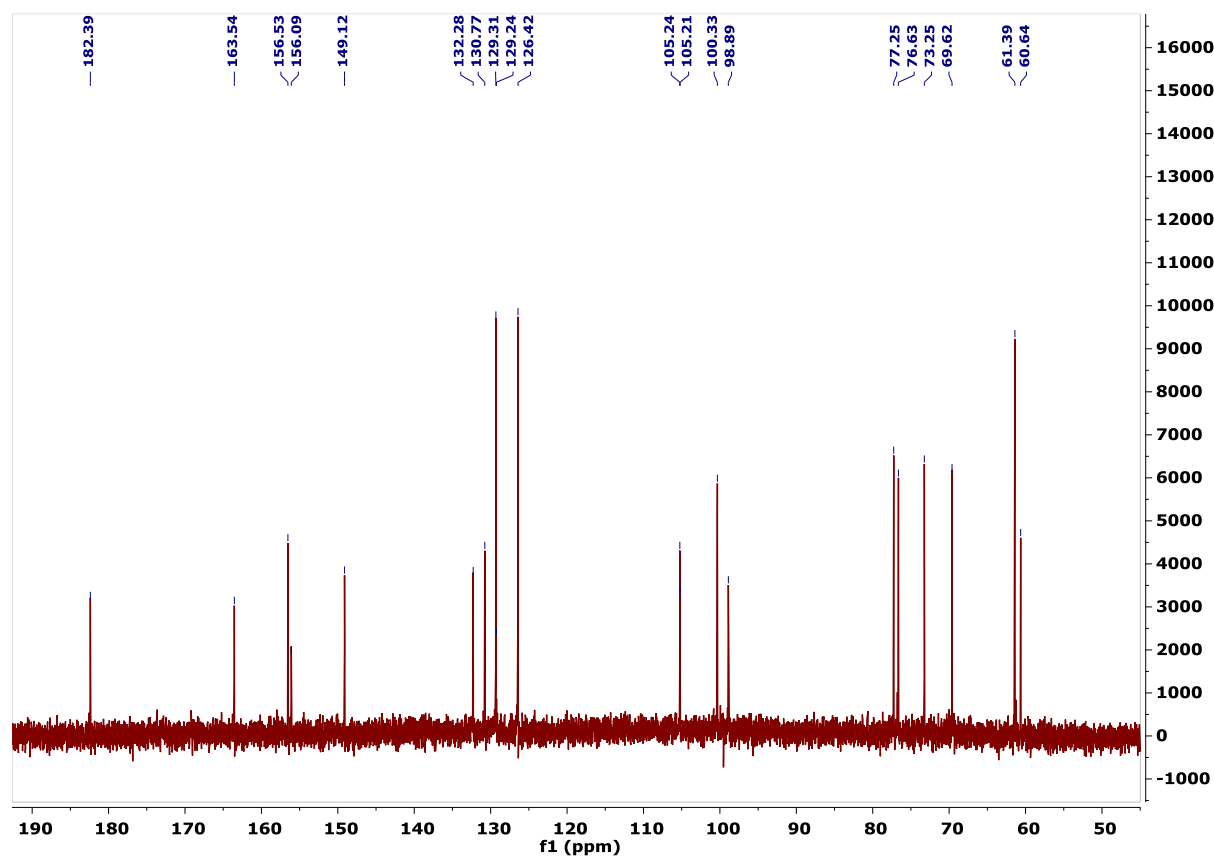




Figure S12.  $^{13}\text{C}$  NMR-DEPT  $135^\circ$  of wogonin 7-O- $\beta$ -D-glucopyranoside (6)

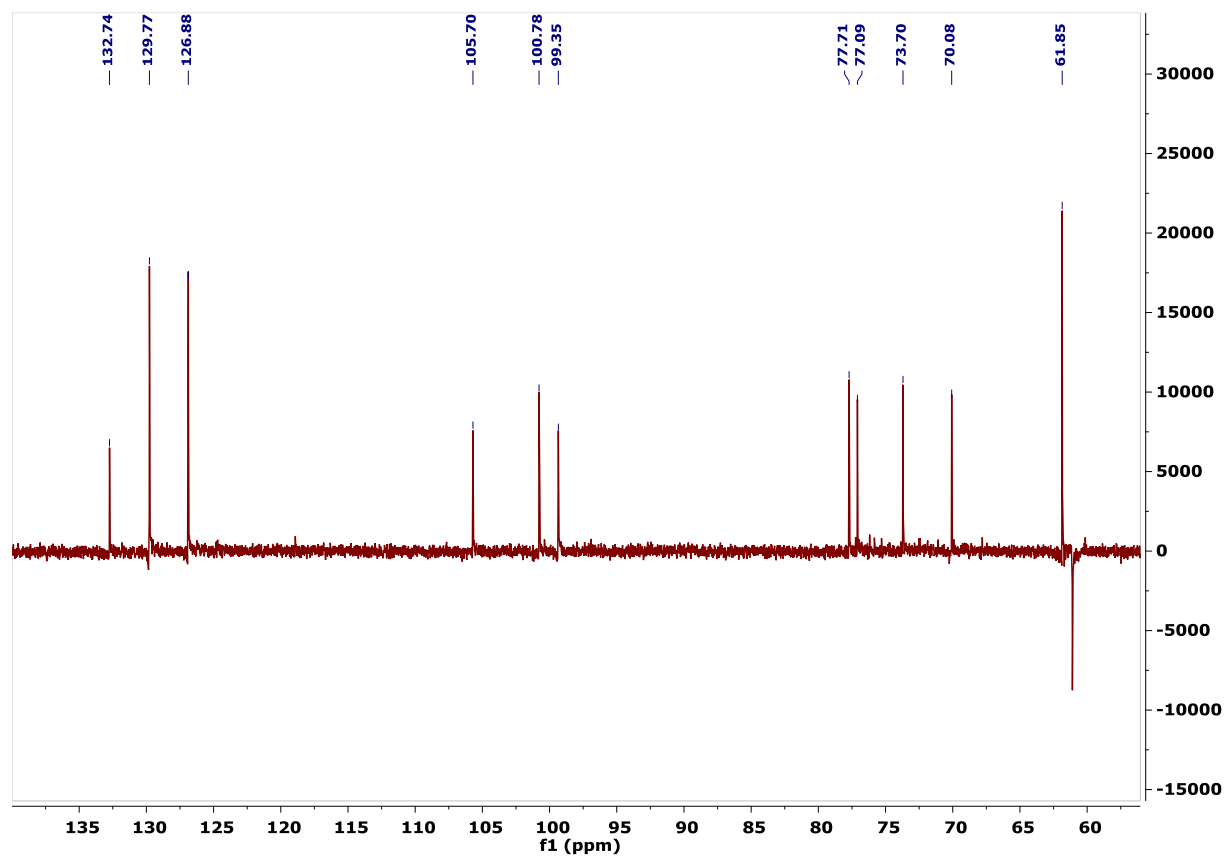


Figure S13 .  $^1\text{H}$ - $^1\text{H}$  NMR (COSY) spectrum of wogonin 7-O- $\beta$ -D-glucopyranoside (6)

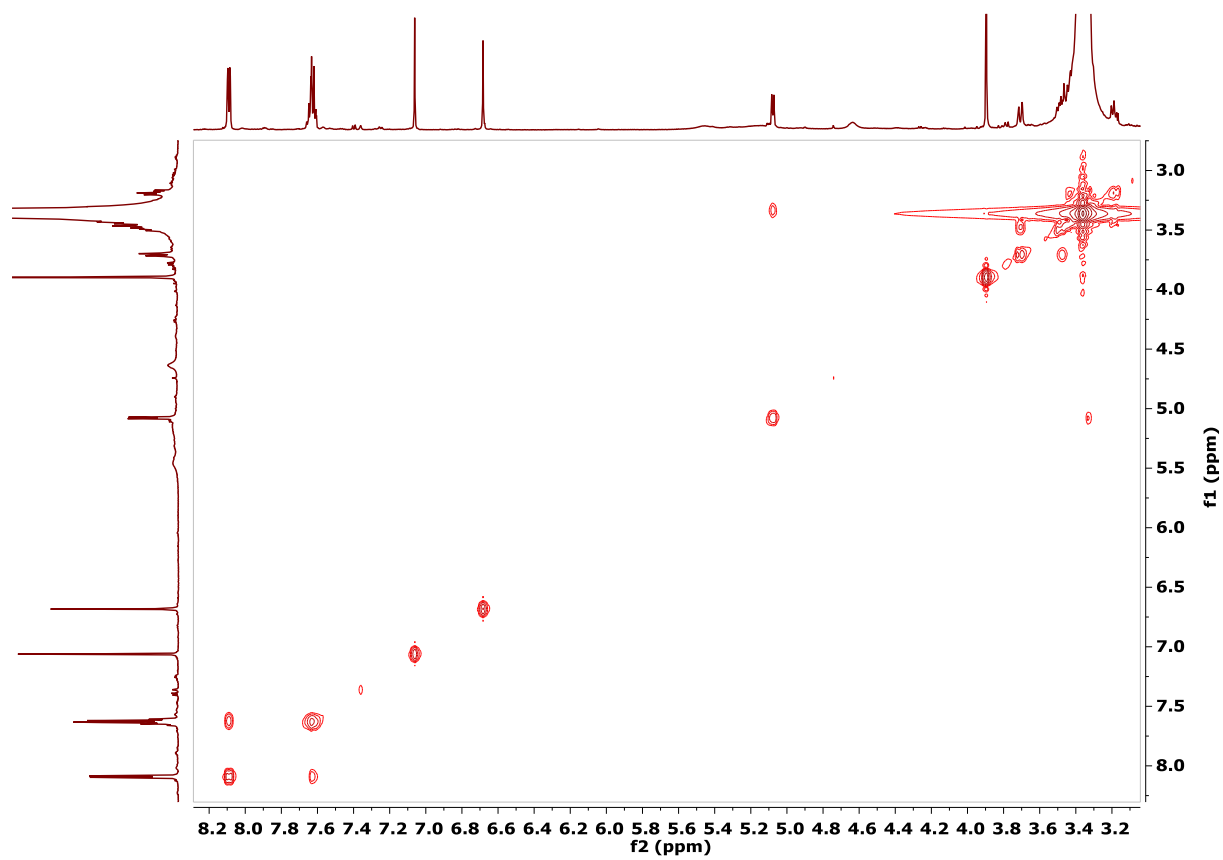


Figure S14.  $^1\text{H}$ - $^{13}\text{C}$  NMR (HSQC) spectrum of wogonin 7-O- $\beta$ -D-glucopyranoside (6)

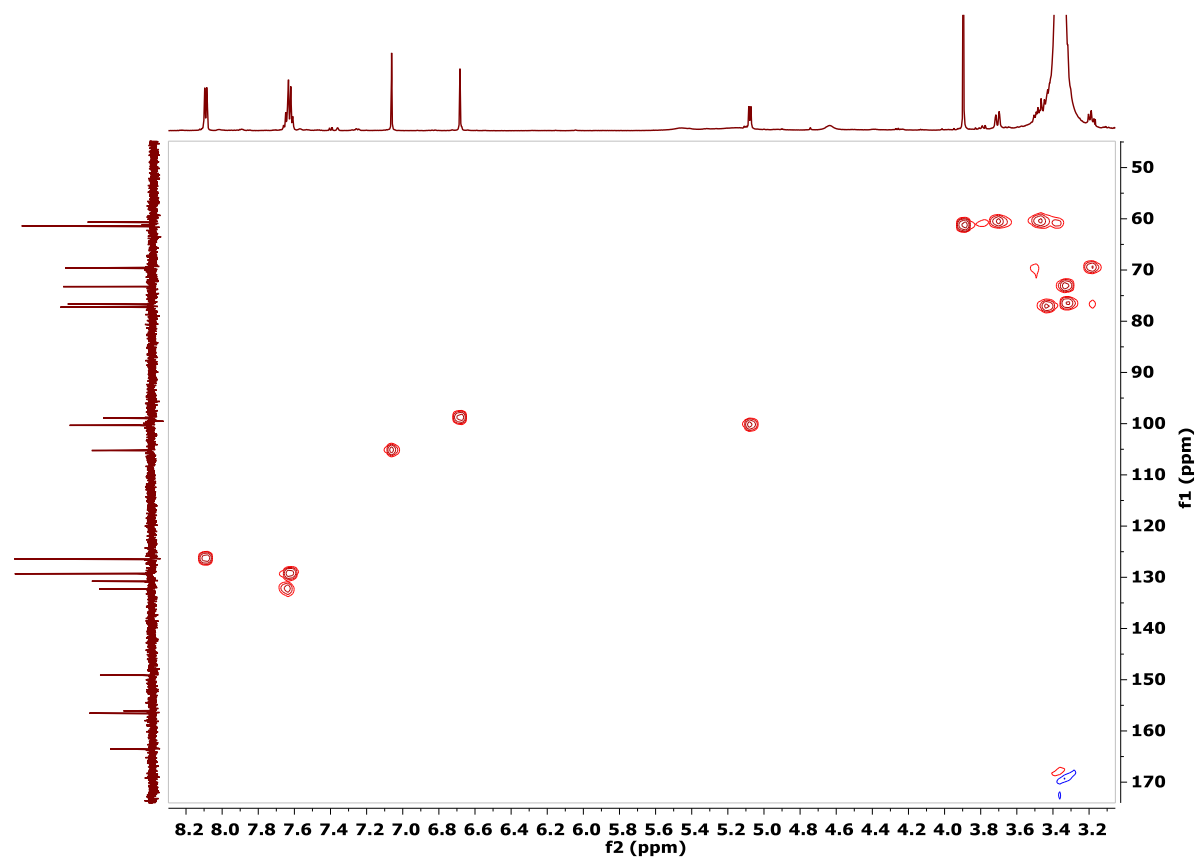


Figure S15.  $^1\text{H}$ - $^{13}\text{C}$  NMR (HMBC) spectrum of wogonin 7-O- $\beta$ -D-glucopyranoside (6)

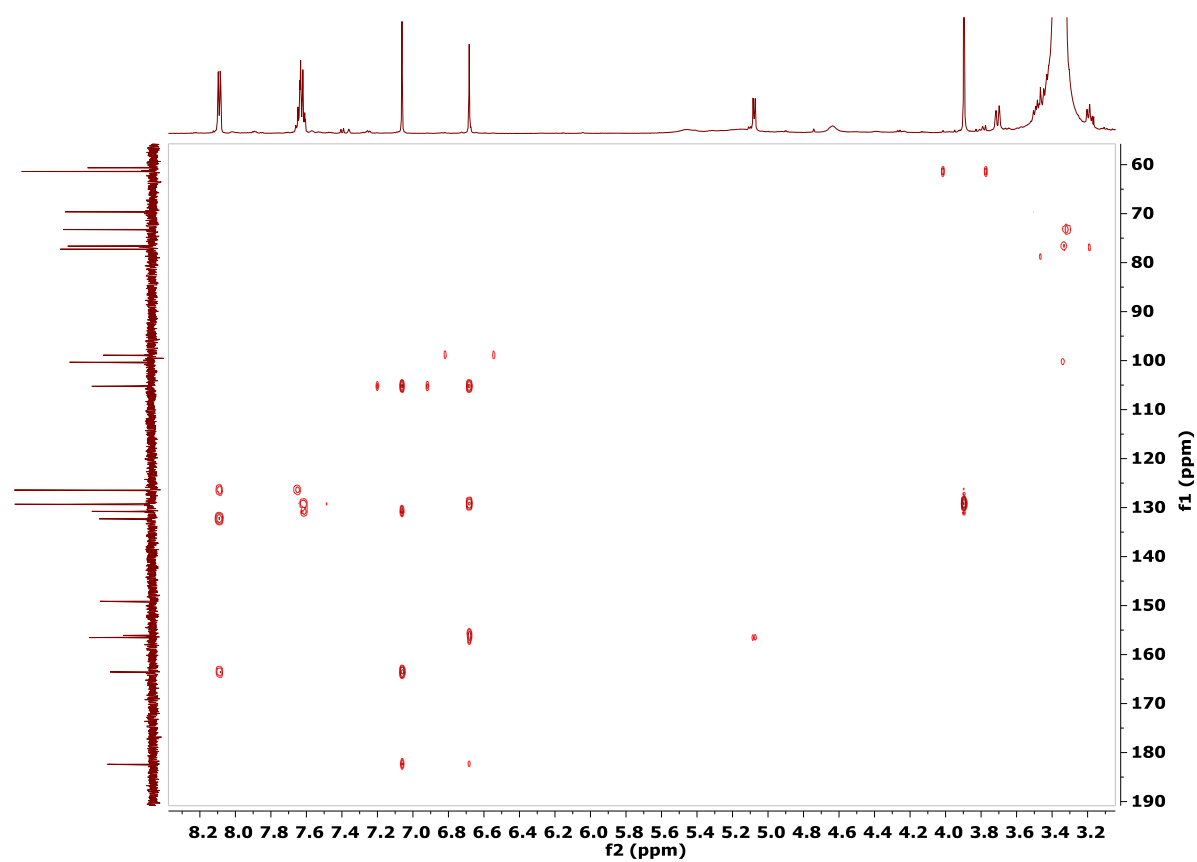


Figure S16.  $^1\text{H}$  NMR spectra of: wogonin (4) and wogonin 7-O- $\beta$ -D-glucopyranoside (6)

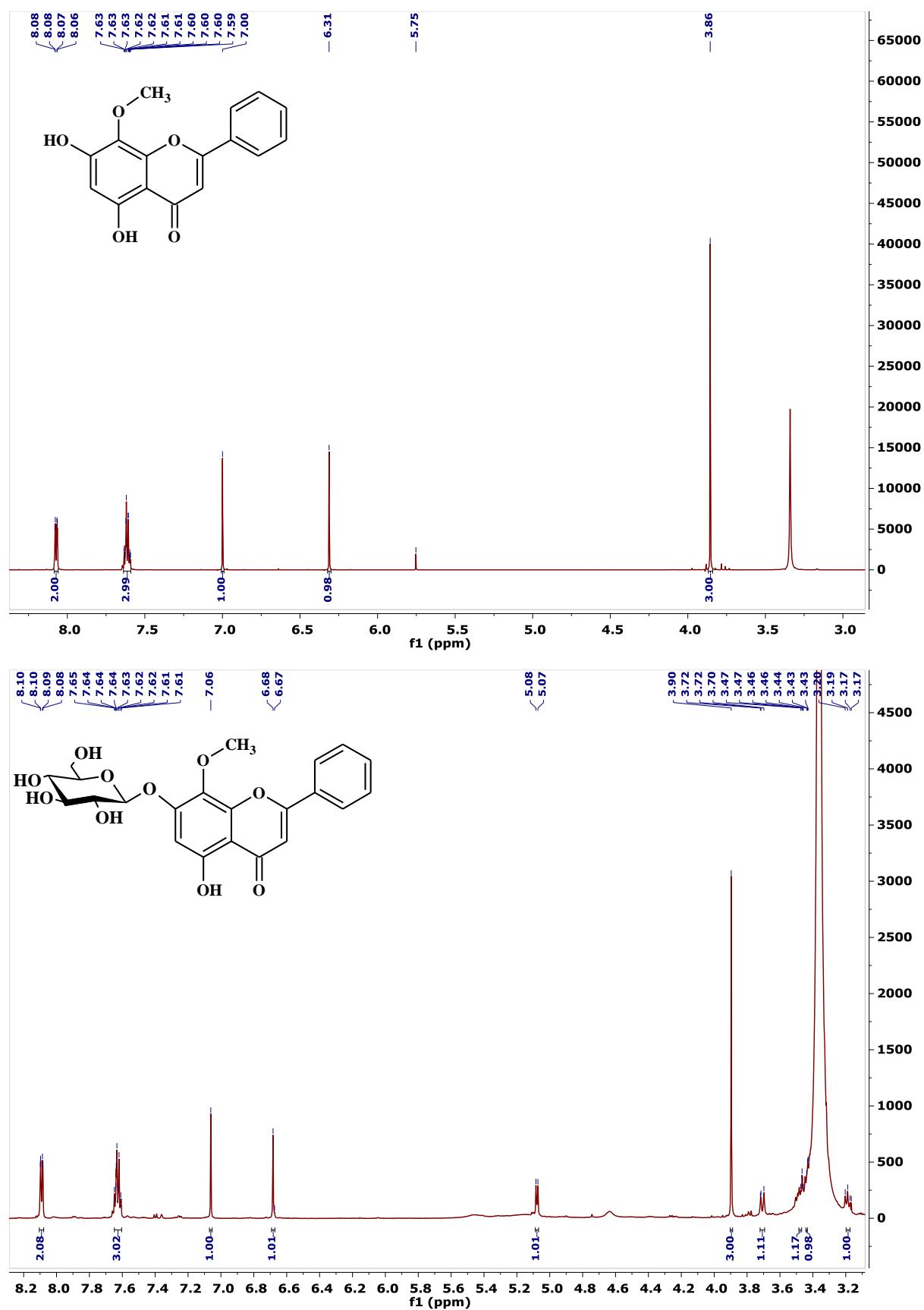


Figure S17. Fragment of  $^1\text{H}$  –  $^{13}\text{C}$  NMR (HSQC) spectrum of wogonin 7-O- $\beta$ -D-glucopyranoside (6)

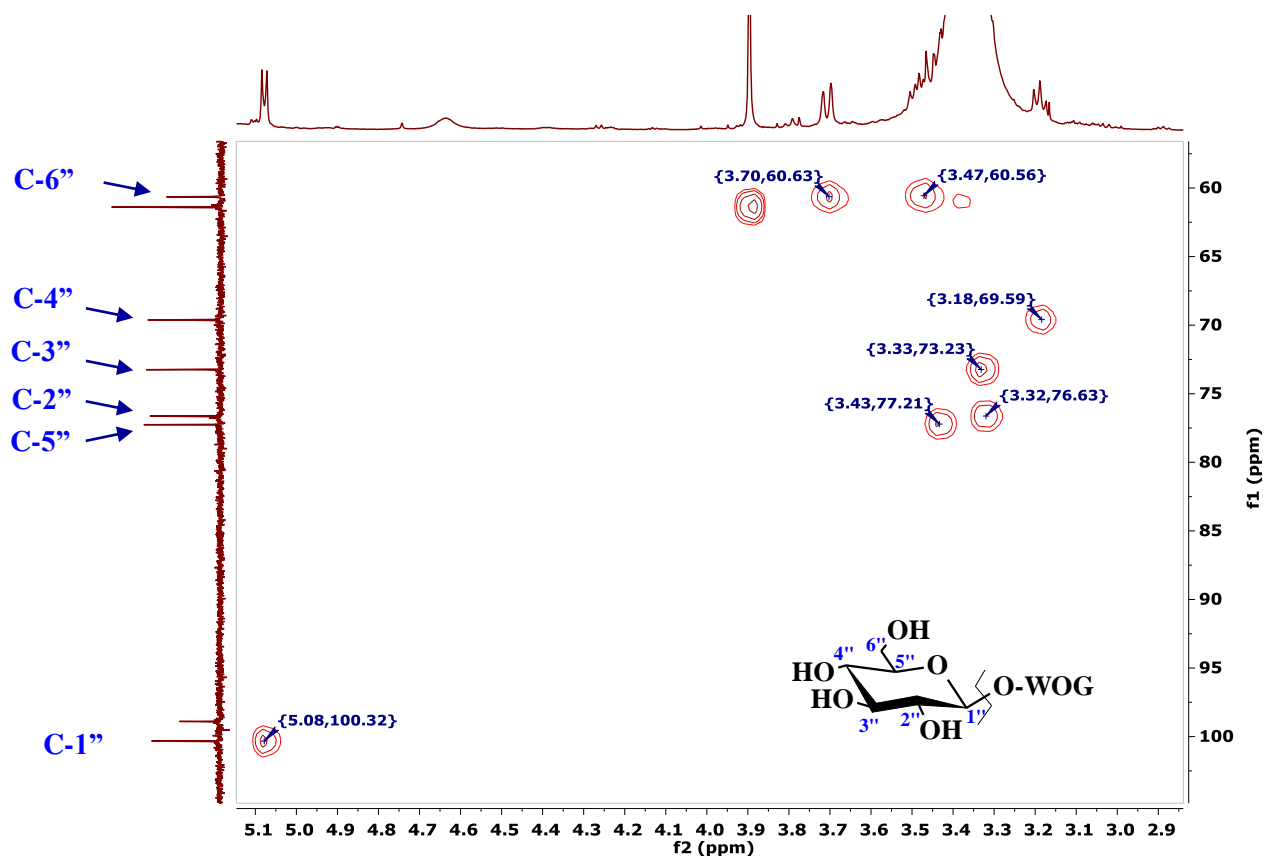


Figure S18. Fragment of  $^1\text{H}$  –  $^{13}\text{C}$  NMR (HMBC) spectrum of wogonin 7-O- $\beta$ -D-glucopyranoside (6)

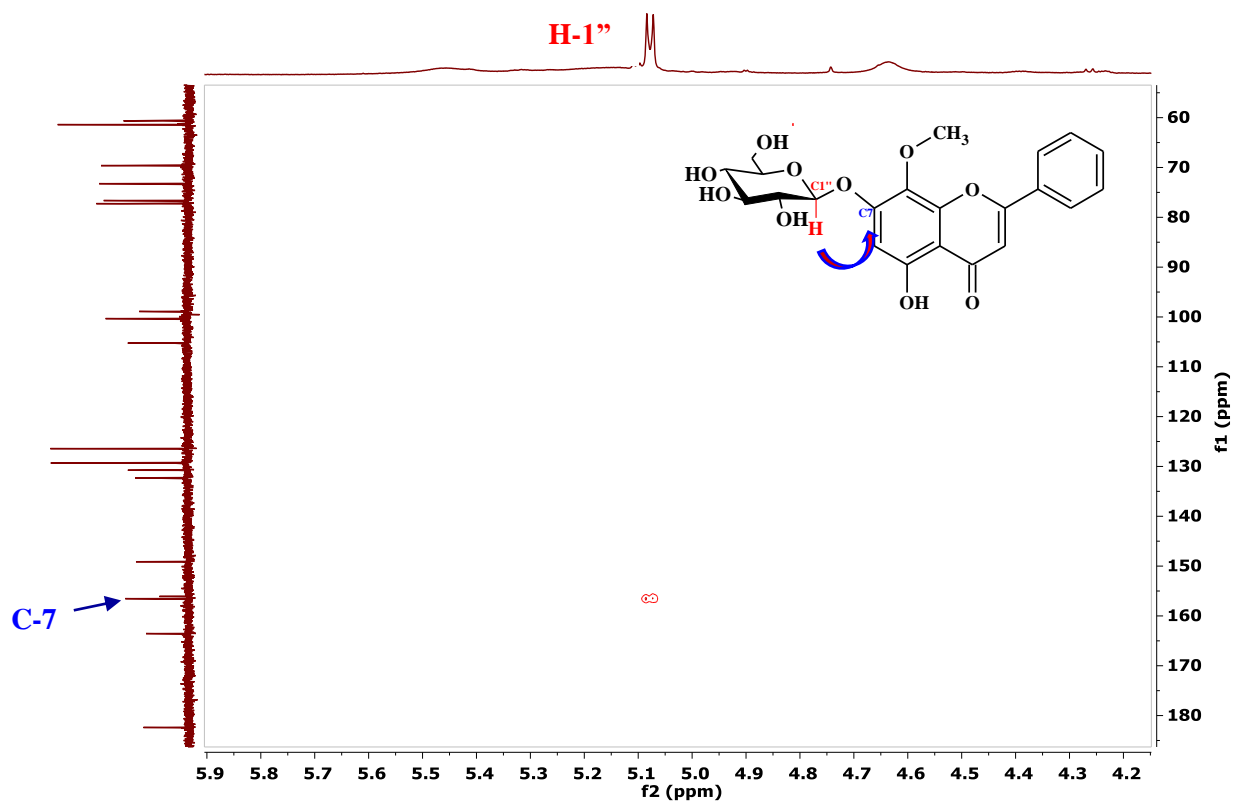


Figure S19.  $^1\text{H}$  NMR of wogonin 7-O- $\beta$ -D-(4''-O-methyl)-glucopiranoside (7)

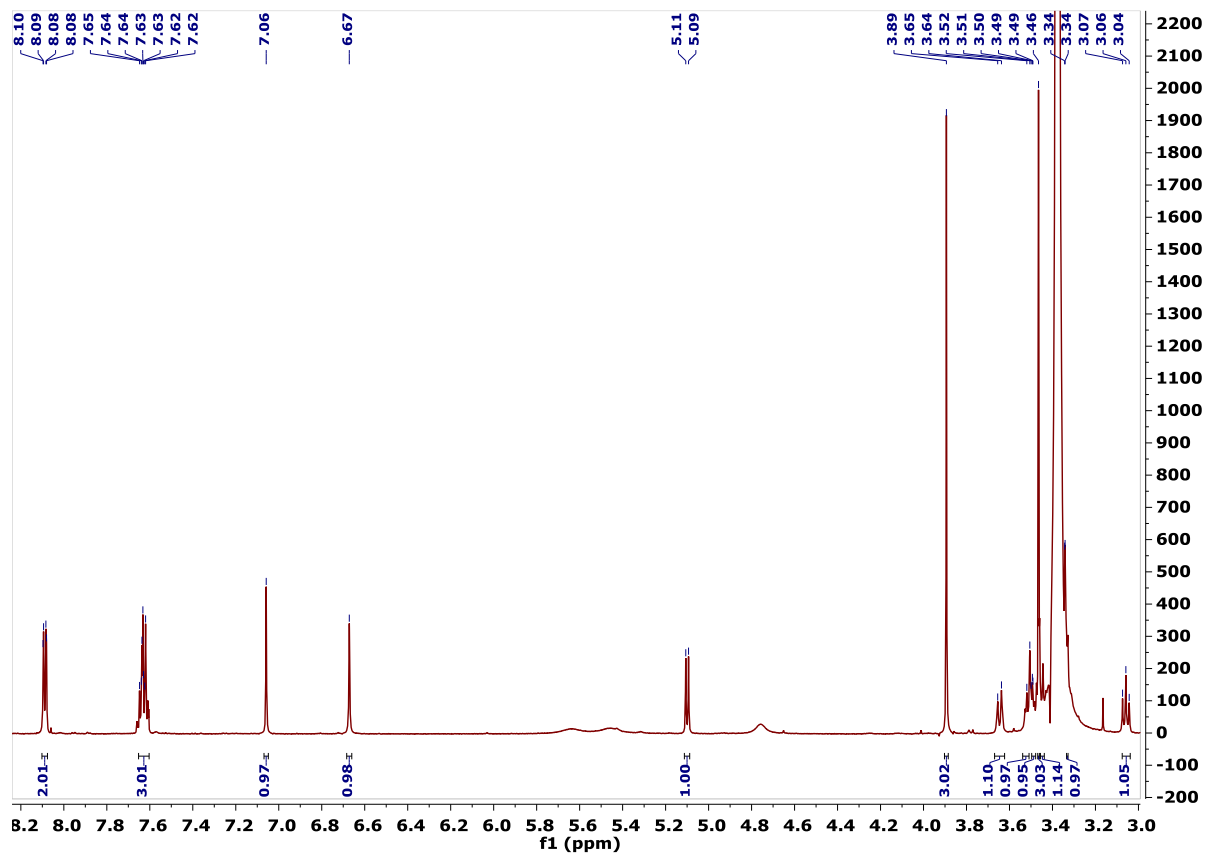


Figure S20.  $^{13}\text{C}$  NMR of wogonin 7-O- $\beta$ -D-(4''-O-methyl)-glucopiranoside (7)

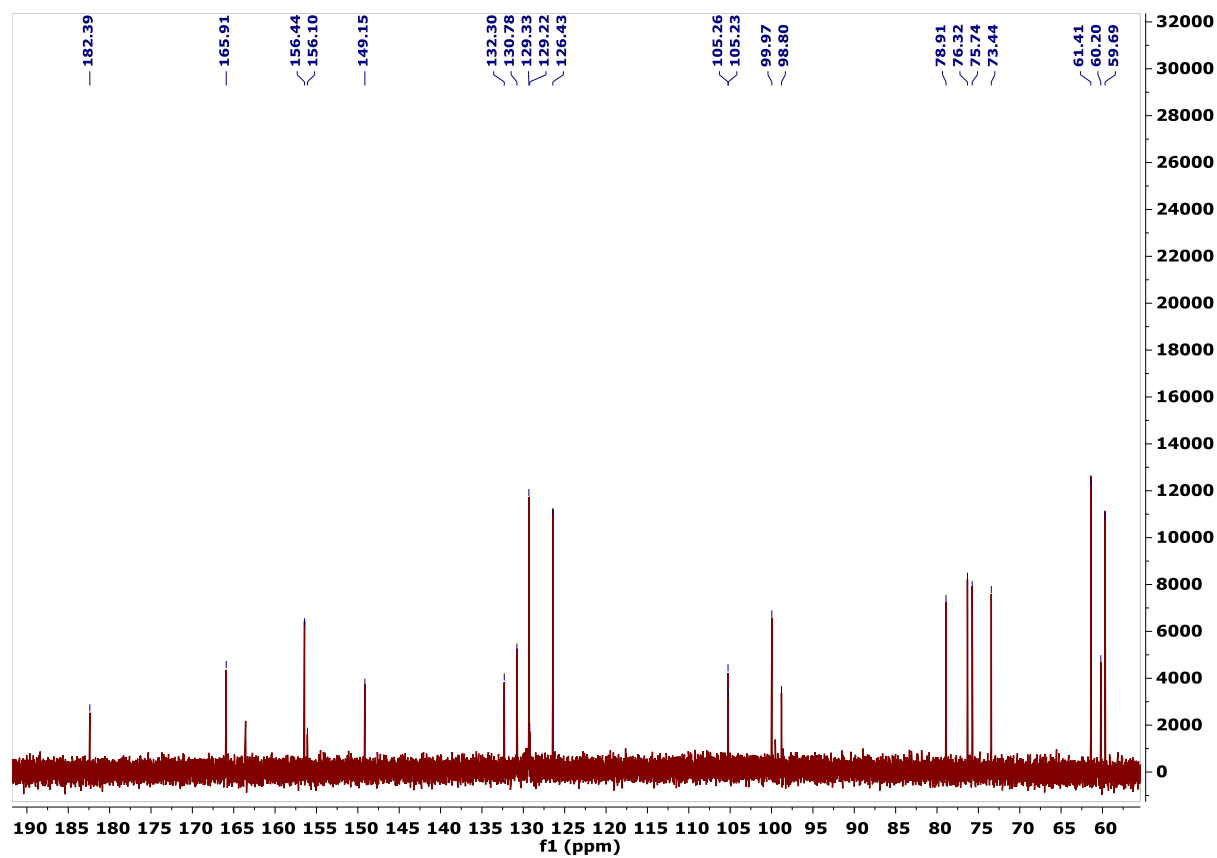


Figure S21.  $^1\text{H}$ - $^1\text{H}$  NMR (COSY) spectrum of wogonin 7-O- $\beta$ -D-(4''-O-methyl)-glucopiranoside (7)

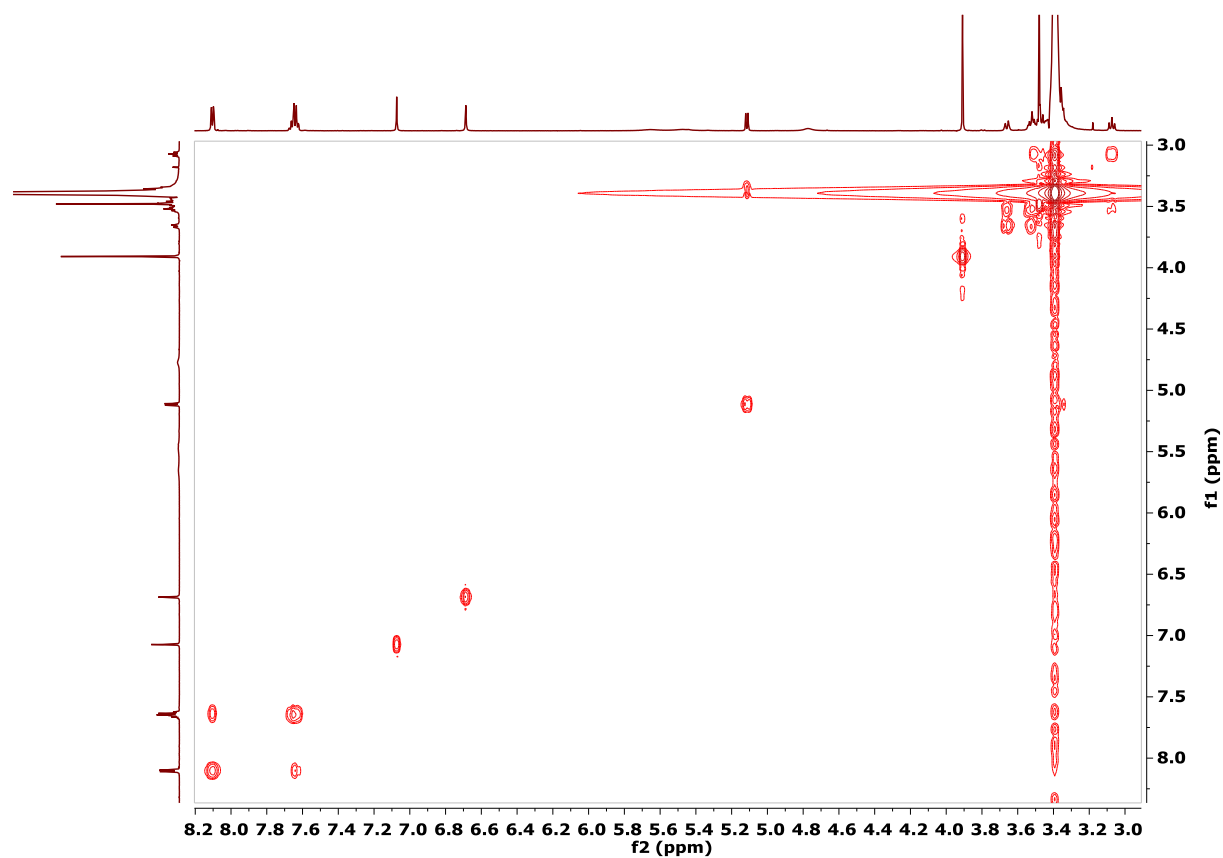


Figure S22.  $^1\text{H}$ - $^{13}\text{C}$  NMR (HSQC) spectrum of wogonin 7-O- $\beta$ -D-(4''-O-methyl)-glucopiranoside (7)

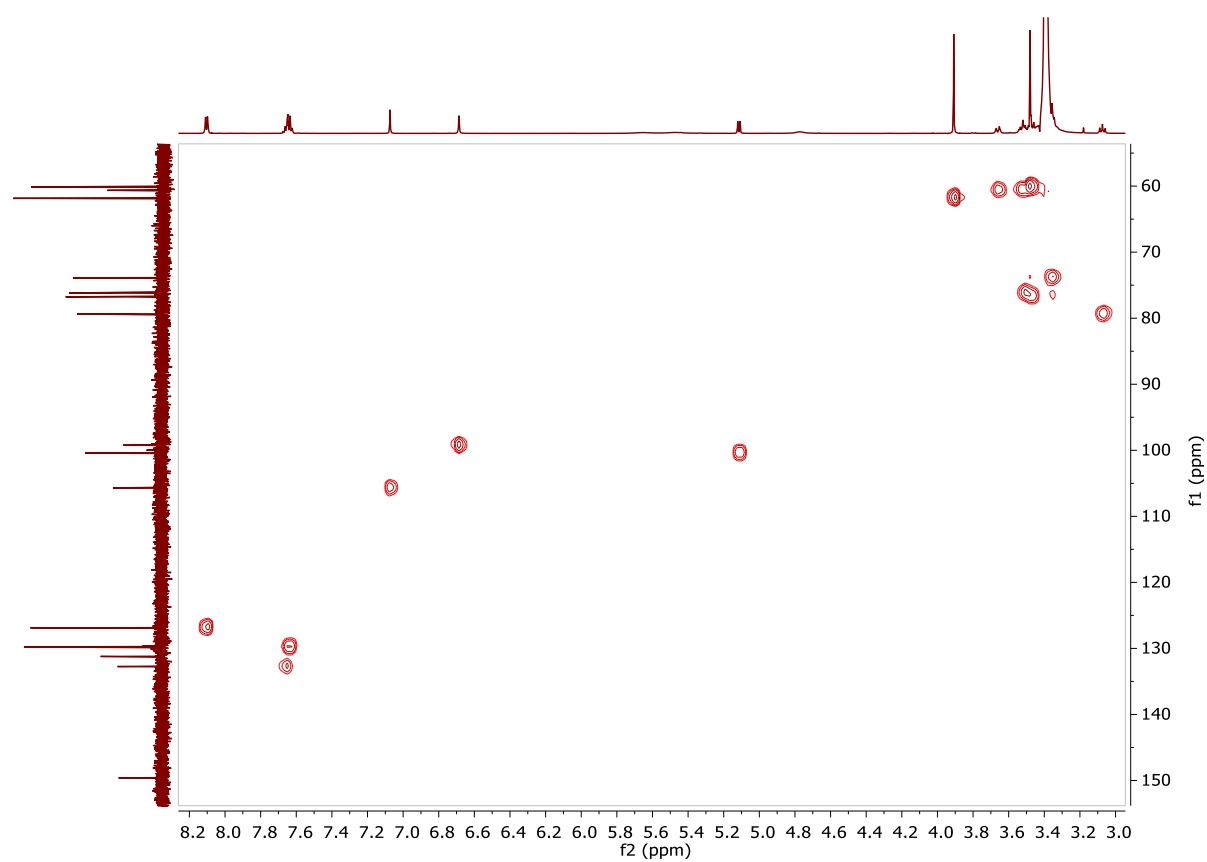


Figure S23.  $^1\text{H}$ - $^{13}\text{C}$  NMR (HMBC) spectrum of wogonin 7-O- $\beta$ -D-(4''-O-methyl)-glucopiranoside (7)

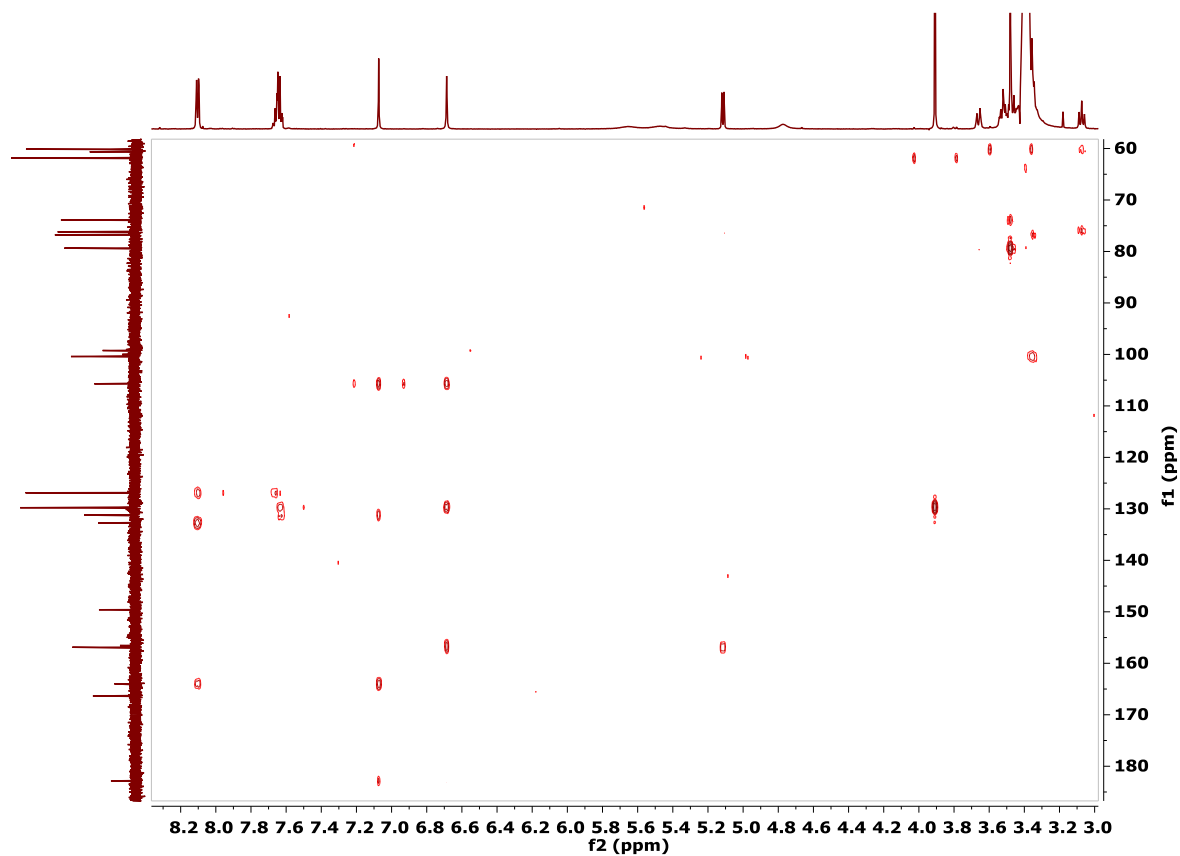


Figure S24. Fragment of HSQC spectrum of wogonin 7-O- $\beta$ -D-(4''-O-methyl)-glucopiranoside (7)

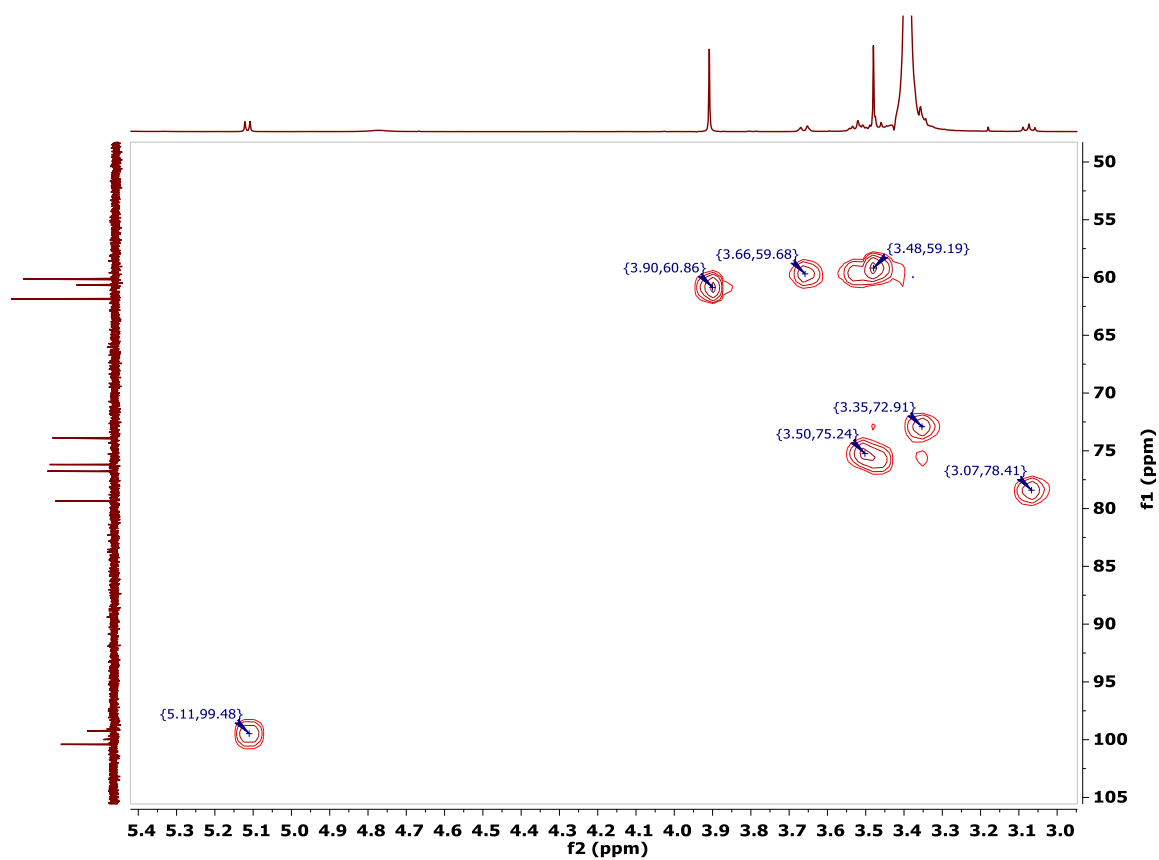


Figure S25. Fragments of  $^{13}\text{C}$  NMR spectra of: wogonin 7-O- $\beta$ -D-glucopyranoside (6) and wogonin 7-O- $\beta$ -D-(4''-O-methyl)-glucopyranoside (7)

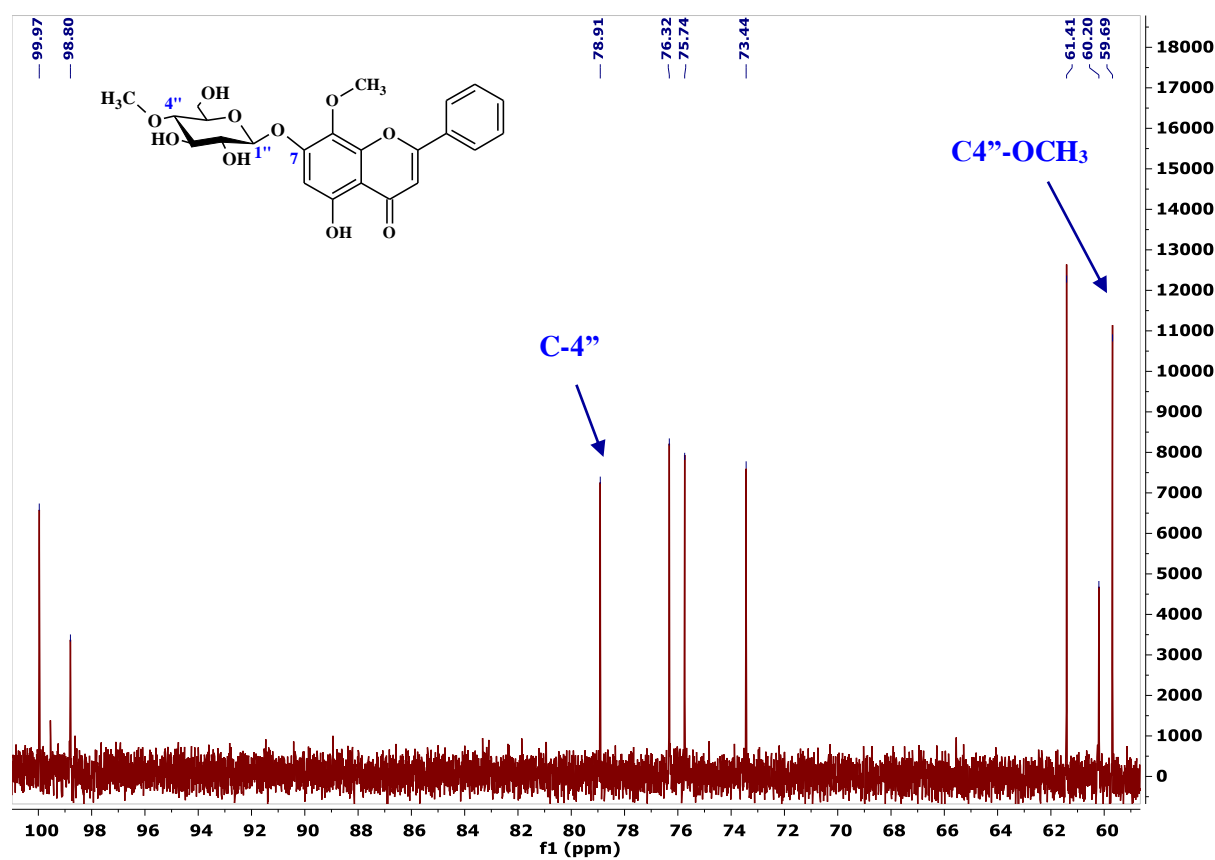
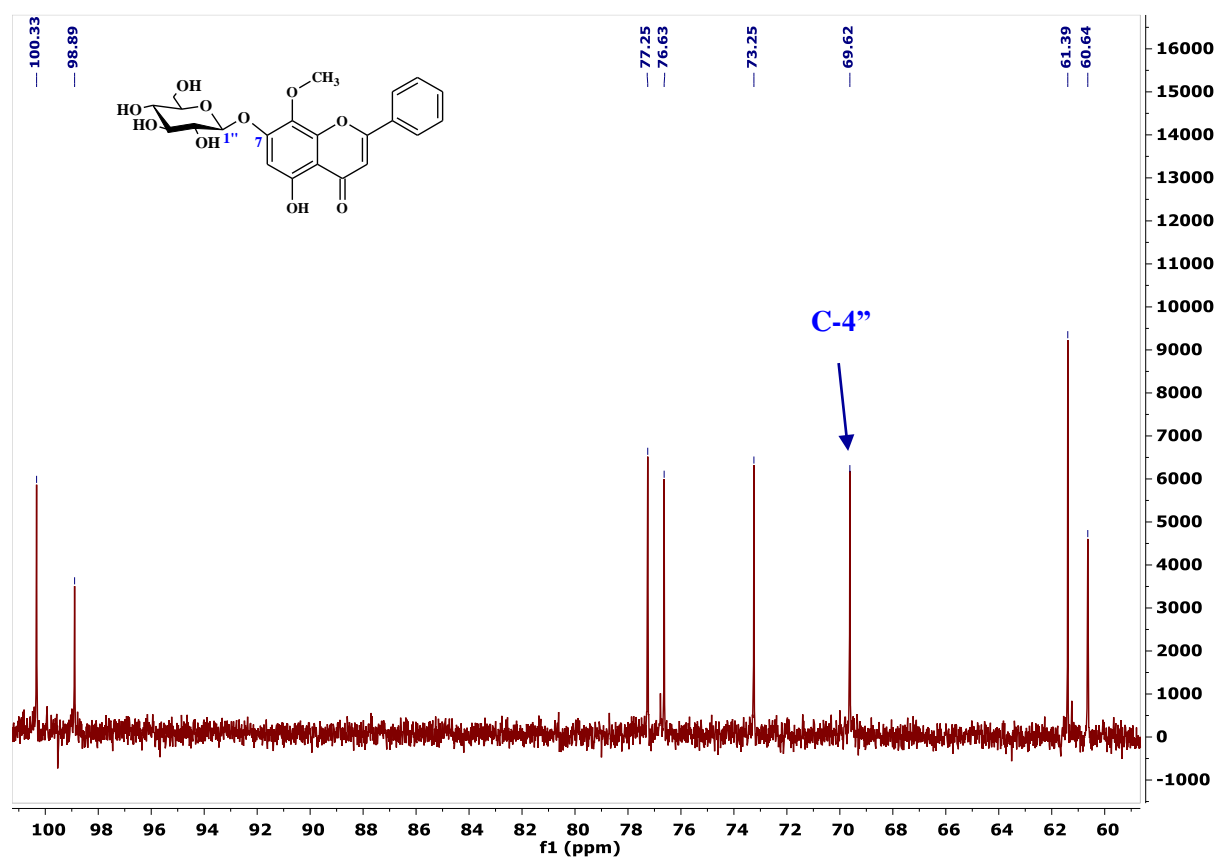




Figure S26. Fragment of  $^1\text{H} - ^{13}\text{C}$  NMR (HMBC) spectrum of wogonin 7-O- $\beta$ -D-(4''-methyl)-glucopyranoside (7)

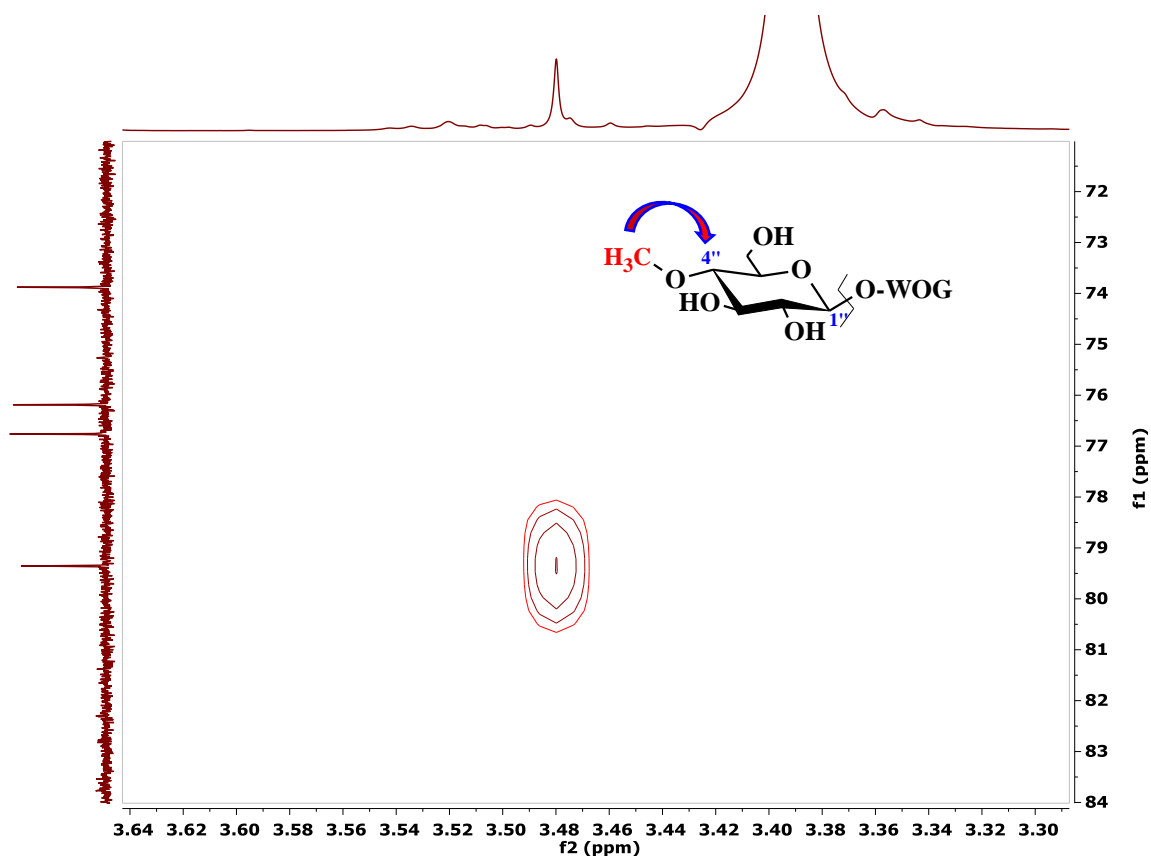


Figure S27. Fragment of  $^1\text{H} - ^{13}\text{C}$  NMR (HMBC) spectrum of wogonin 7-O- $\beta$ -D-(4''-methyl)-glucopyranoside (7)

