

# Anti-Zika Virus Activity and Isolation of Flavonoids from Ethanol Extracts of *Curatella americana* L. Leaves

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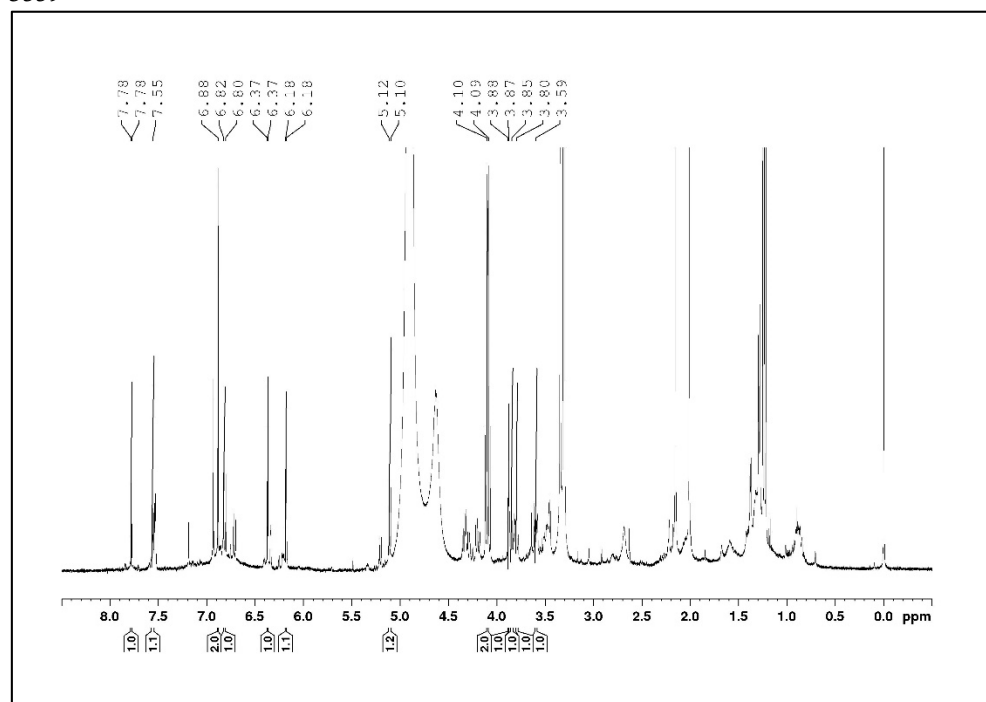
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**Figure S1.** –  $^1\text{H}$  NMR spectrum of Quercetin-3-O-hexosylgalate (**1**) (400 Hz,  $\text{CD}_3\text{OD}$ ,  $\delta$ ).

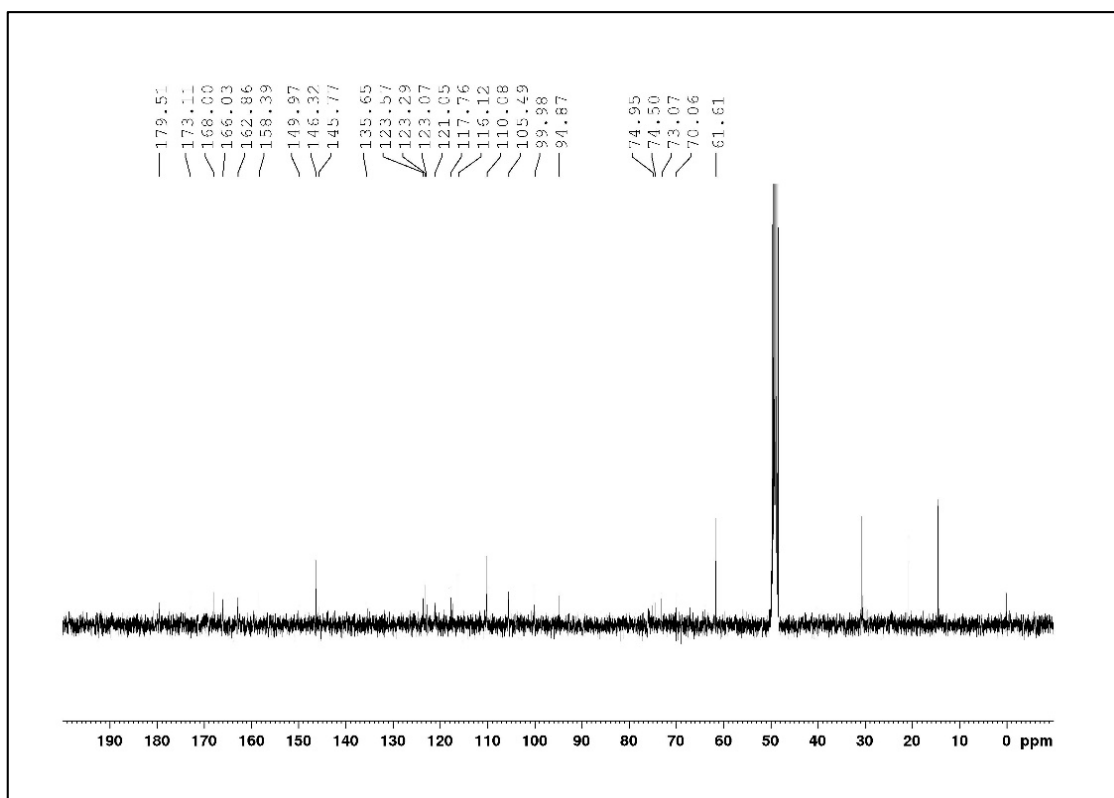


Figure S2. –  $^{13}\text{C}$  NMR spectrum of Quercetin-3-O-hexosylgalate (1) (100 Hz,  $\text{CD}_3\text{OD}$ ,  $\delta$ ).

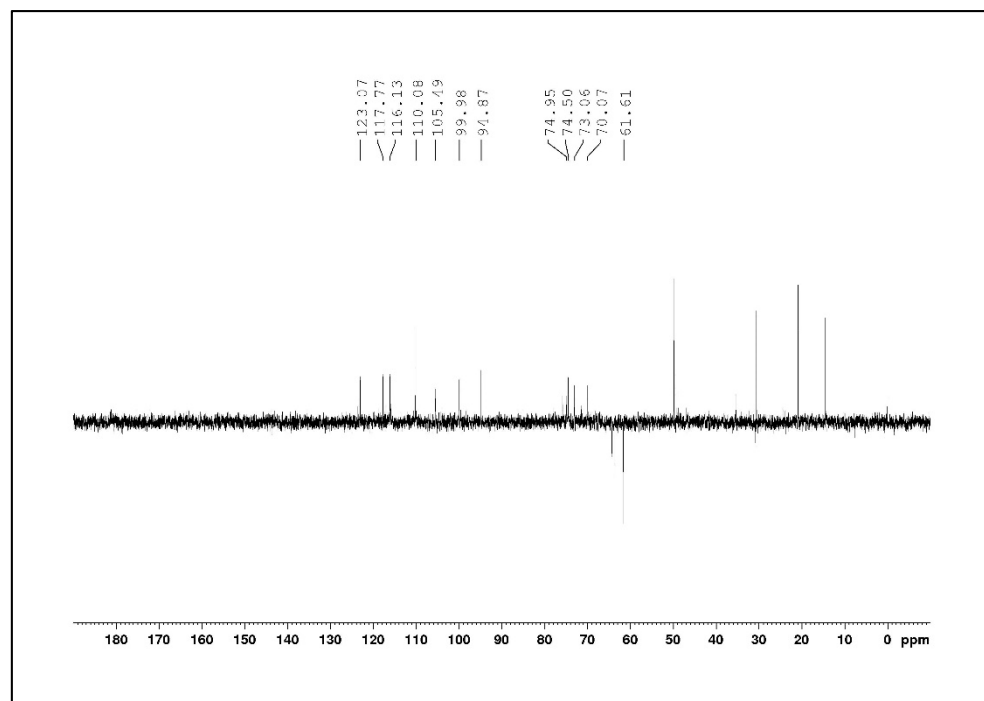
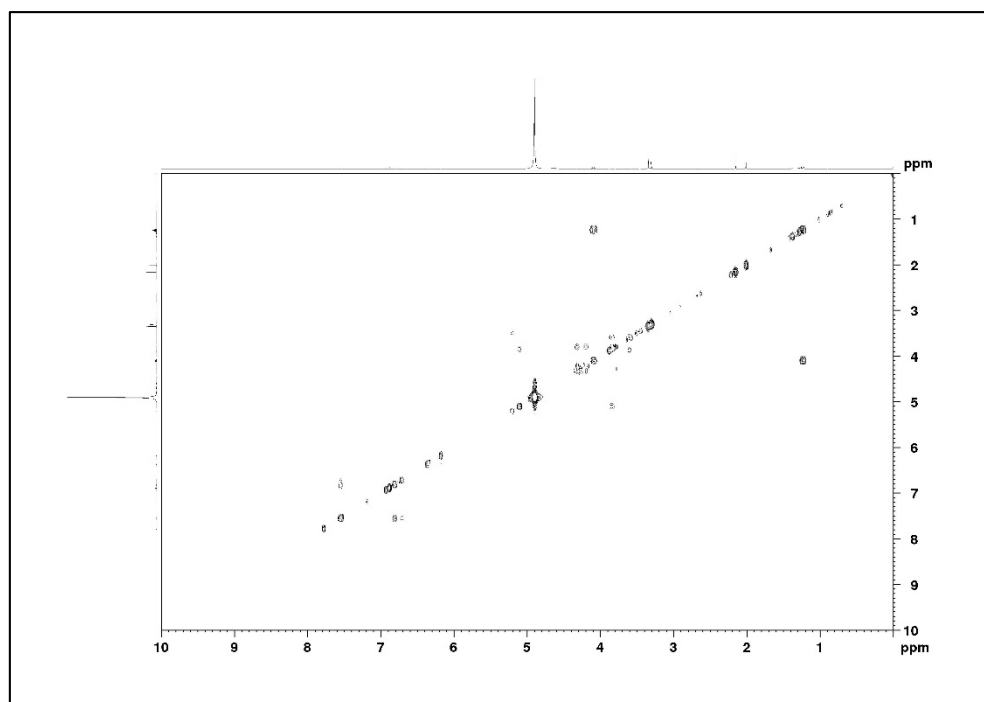
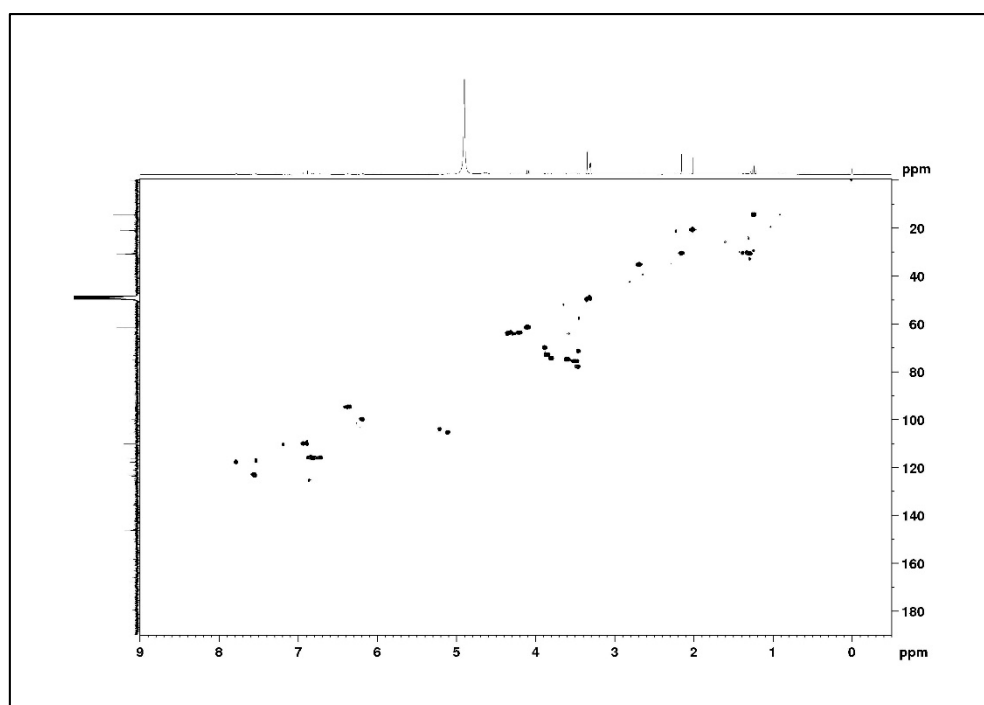


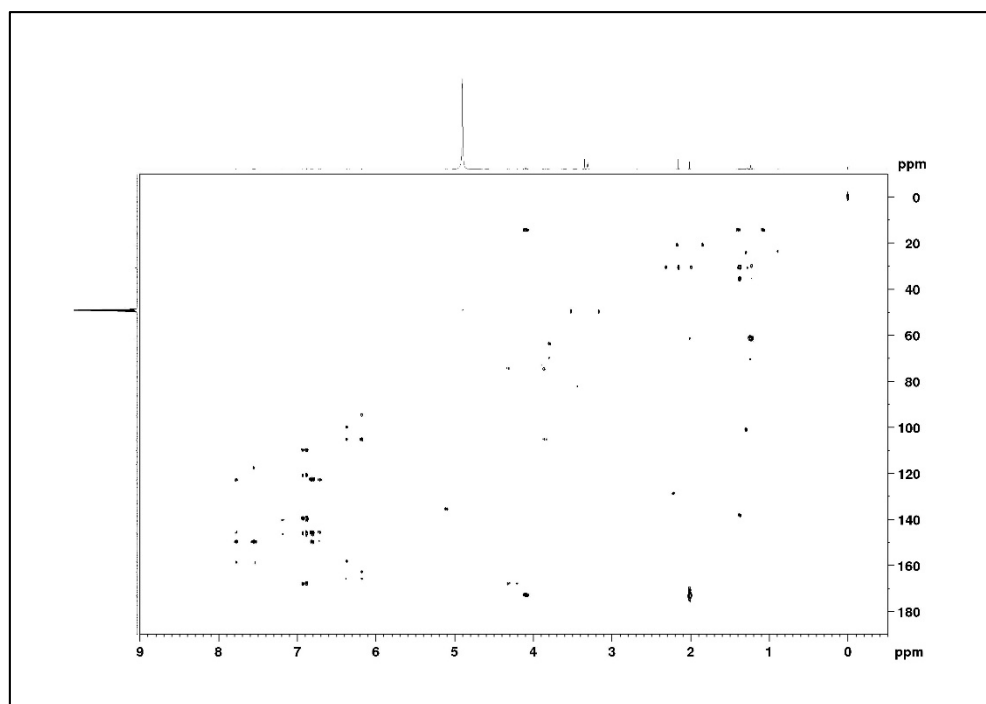
Figure S3. – DEPT-135° NMR spectrum of Quercetin-3-O-hexosylgalate (1) (100 Hz,  $\text{CD}_3\text{OD}$ ,  $\delta$ ).



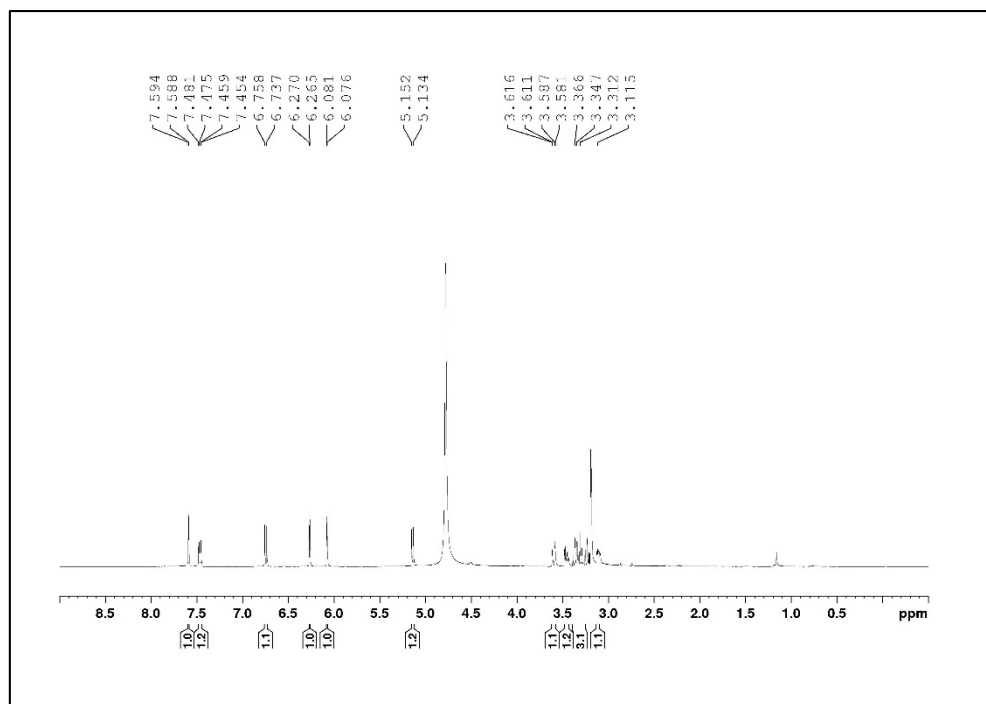
**Figure S4.**—COSY contour map of Quercetin-3-O-hexosylgalate (**1**) (400 Hz, CD<sub>3</sub>OD, δ).



**Figure S5.**—HSQC contour map of Quercetin-3-O-hexosylgalate (**1**) (400 Hz, CD<sub>3</sub>OD, δ).



**Figure S6.** – HMBC contour map of Quercetin-3-O-hexosylgalate (**1**) (400 Hz, CD<sub>3</sub>OD,  $\delta$ ).



**Figure S7.** –  $^1\text{H}$  NMR spectrum of Quercetin-3-O-glucoside (**2**) (400 Hz,  $\text{CD}_3\text{OD}$ ,  $\delta$ ).

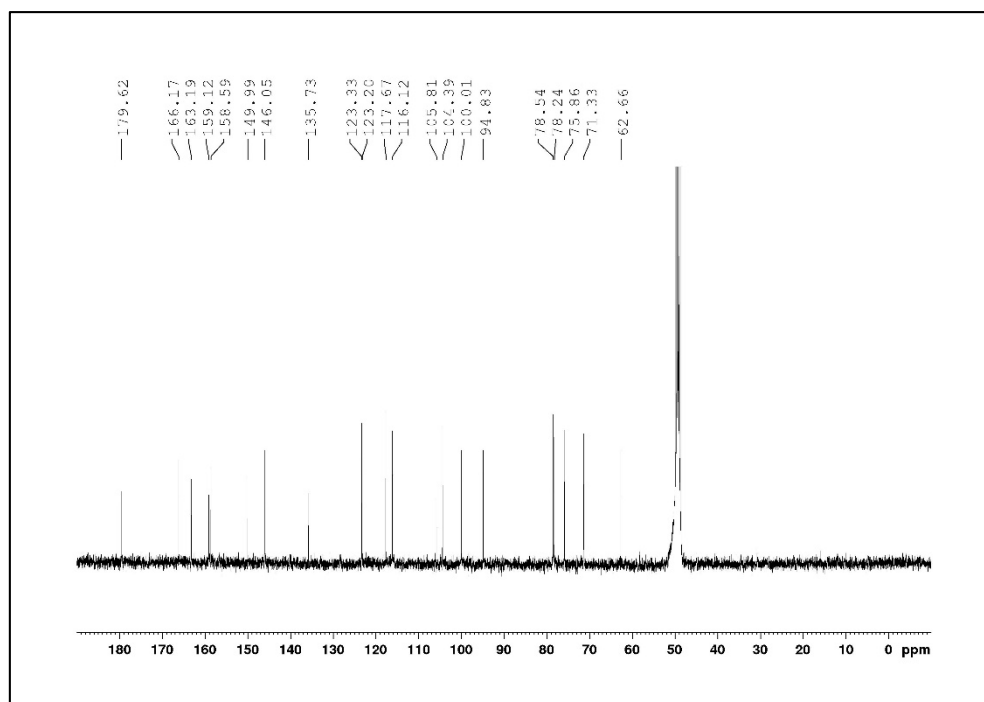


Figure S8. – <sup>13</sup>C NMR spectrum of Quercetin-3-O-glucoside (2) (100 Hz, CD<sub>3</sub>OD, δ).

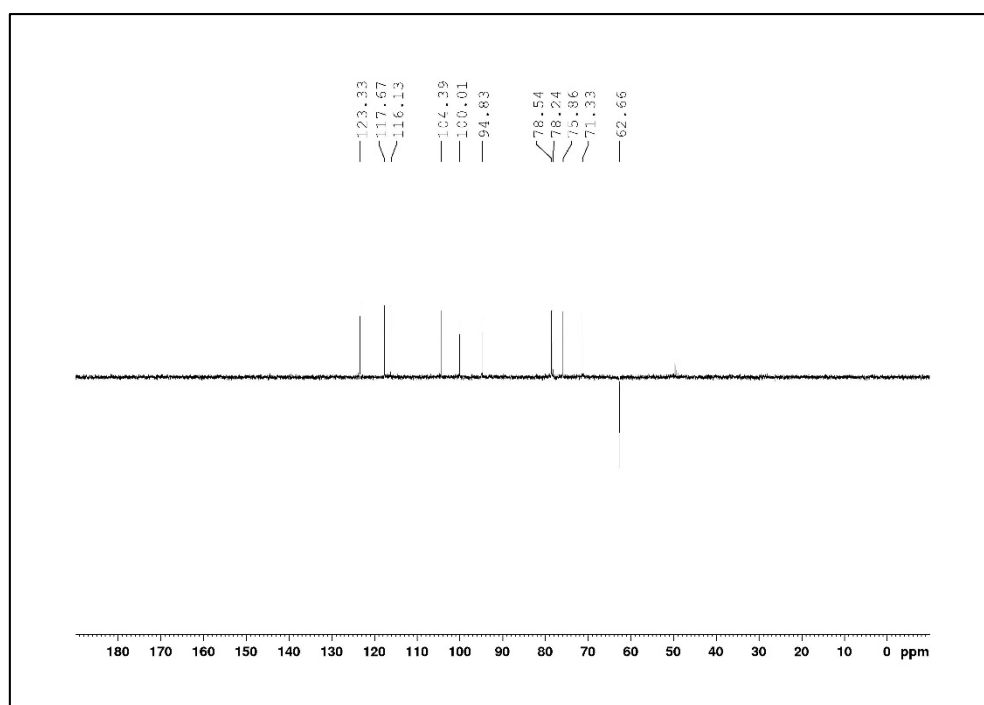
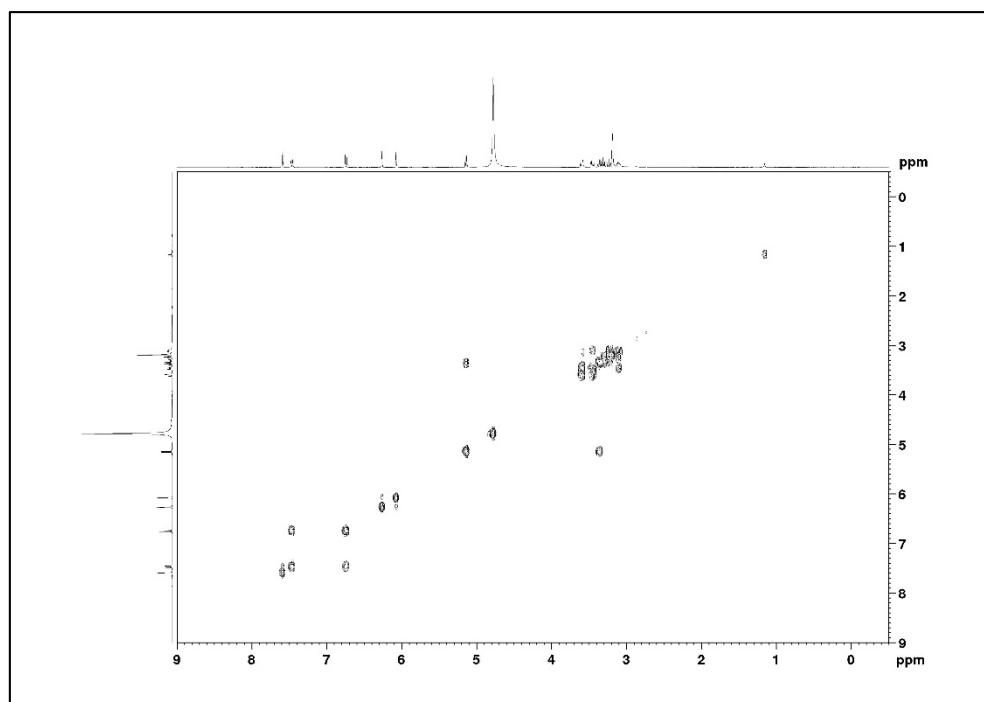
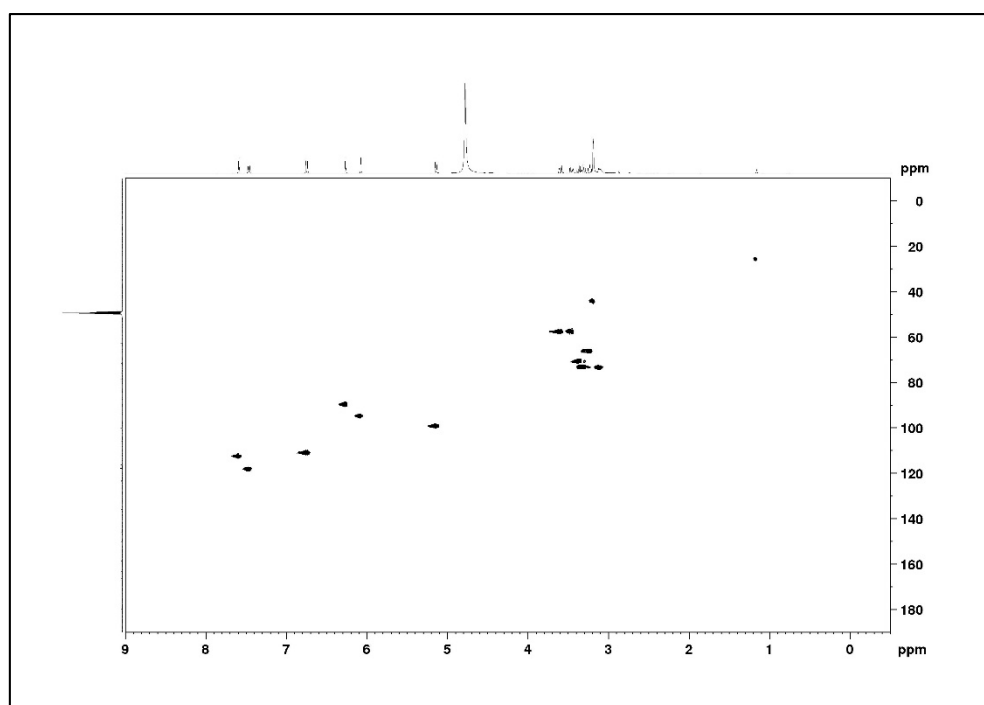


Figure S9. – DEPT-135° NMR spectrum of Quercetin-3-O-glucoside (2) (100 Hz, CD<sub>3</sub>OD, δ).



**Figure S10.** – COSY contour map of Quercetin-3-O-glucoside (**2**) (400 Hz, CD<sub>3</sub>OD, δ).



**Figure S11.** – HSQC contour map of Quercetin-3-O-glucoside (**2**) (400 Hz, CD<sub>3</sub>OD, δ).

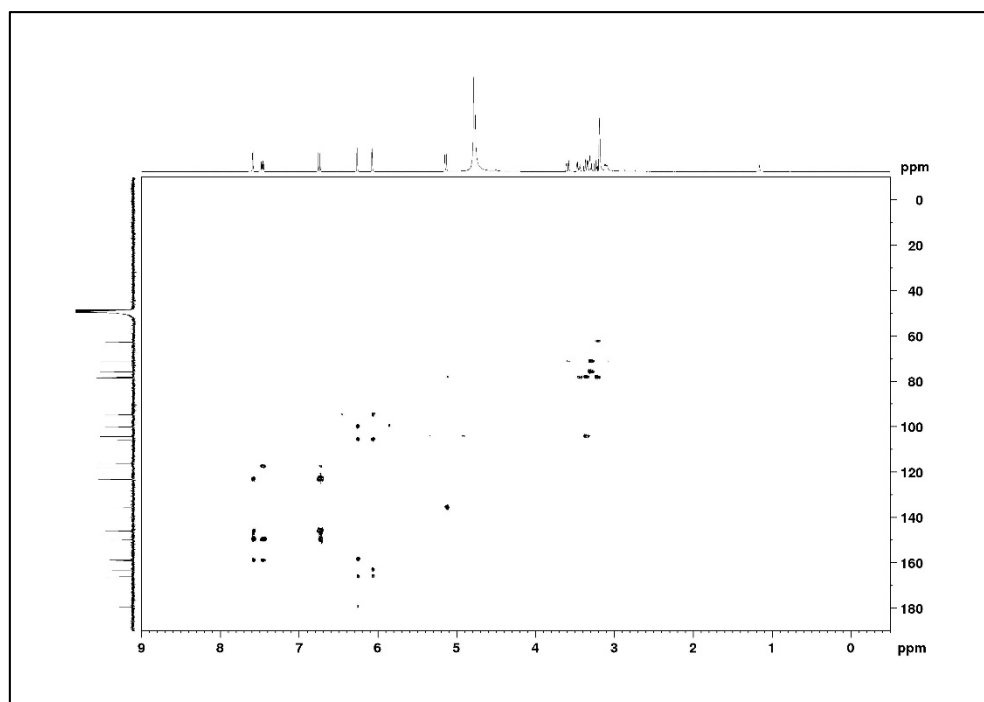


Figure S12. – HMBC contour map of Quercetin-3-O-glucoside (2) (400 Hz, CD<sub>3</sub>OD, δ).

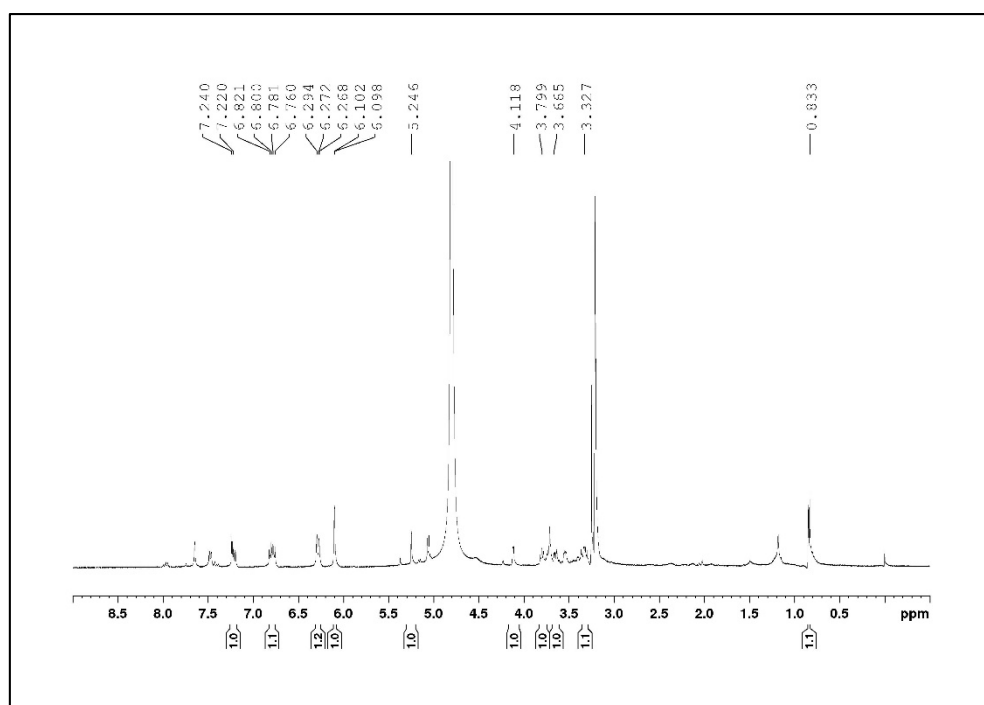


Figure S13. – <sup>1</sup>H NMR spectrum of Quercetin-3-O-rhamnoside (3) (400 Hz, CD<sub>3</sub>OD, δ).

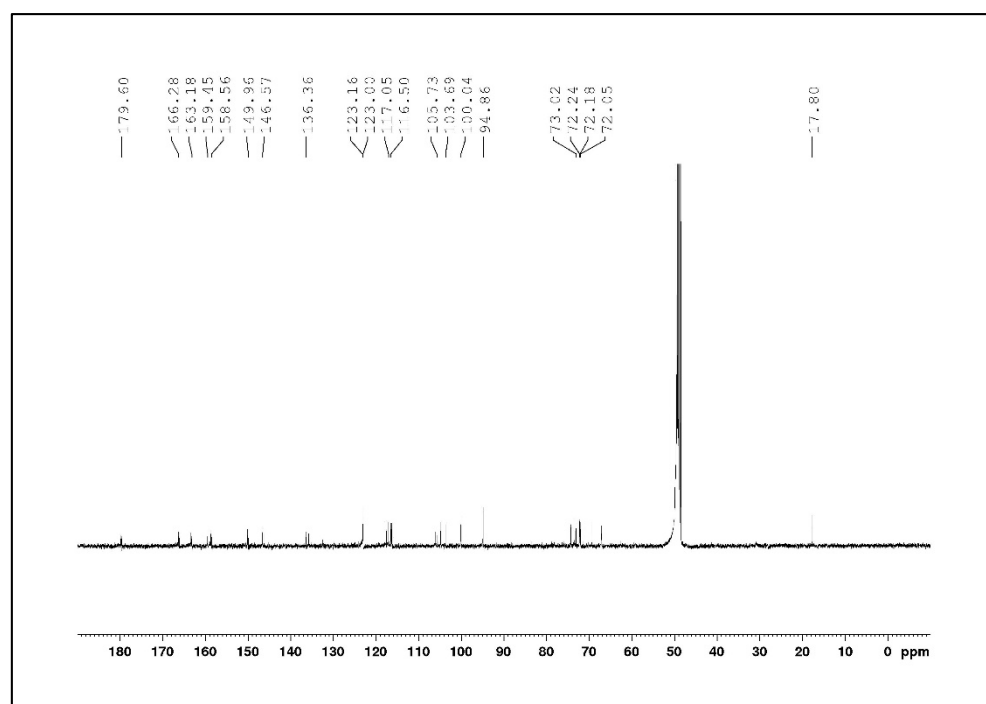


Figure S14. – <sup>13</sup>C NMR spectrum of Quercetin-3-O- rhamnoside (3) (100 Hz, CD<sub>3</sub>OD, δ).

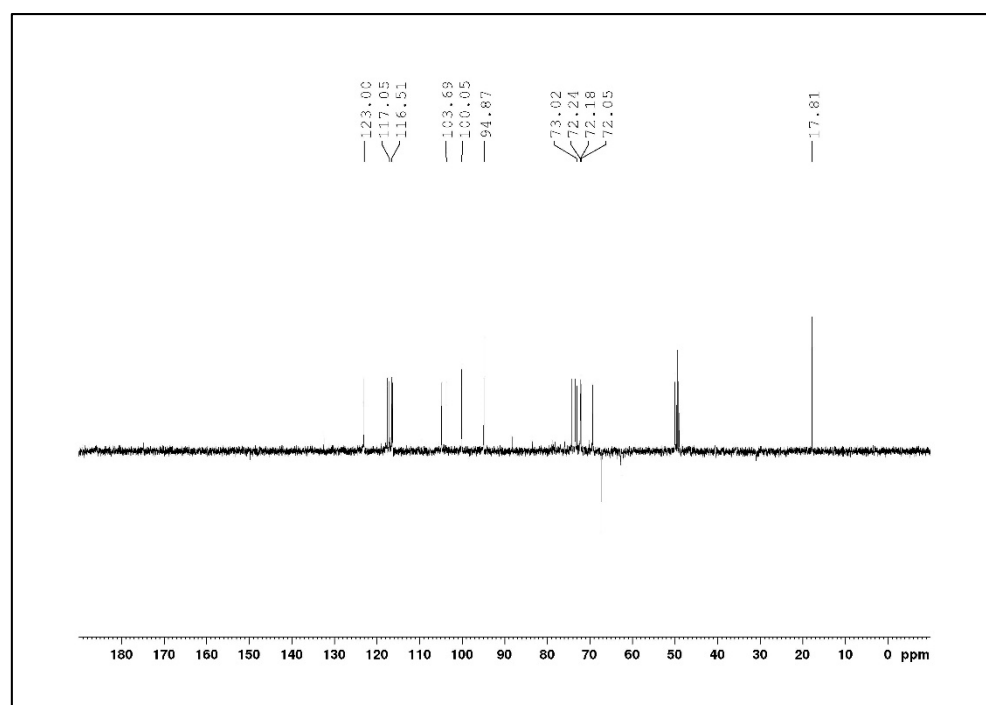


Figure S15. – DEPT-135° NMR spectrum of Quercetin-3-O- rhamnoside (3) (100 Hz, CD<sub>3</sub>OD, δ).

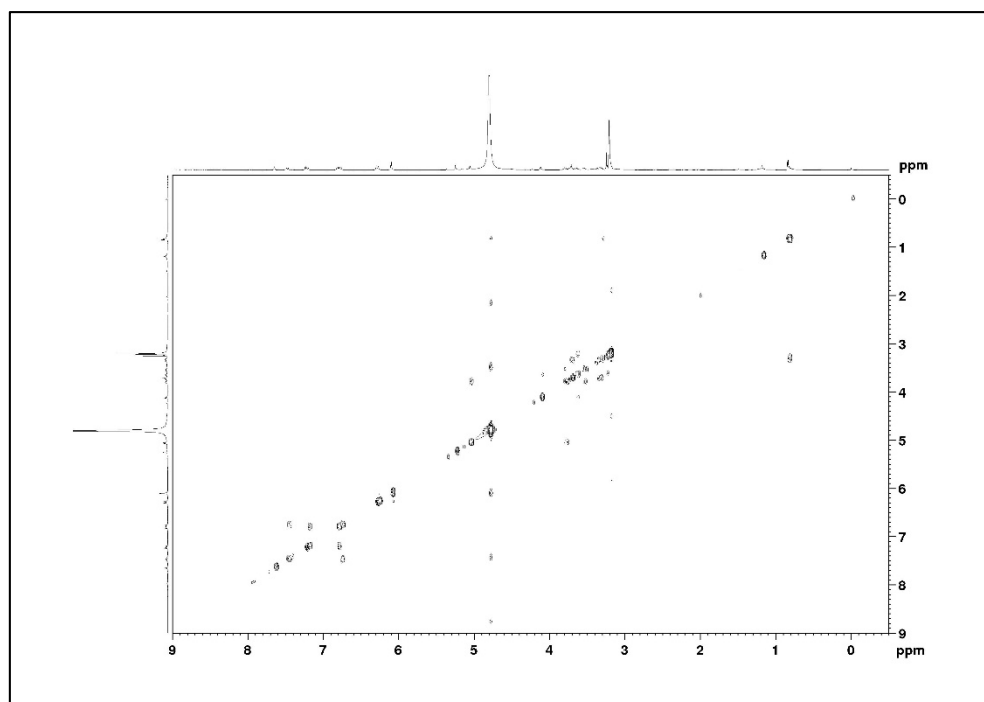


Figure S16. – COSY contour map of Quercetin-3-O- rhamnoside (3) (400 Hz, CD<sub>3</sub>OD, δ).

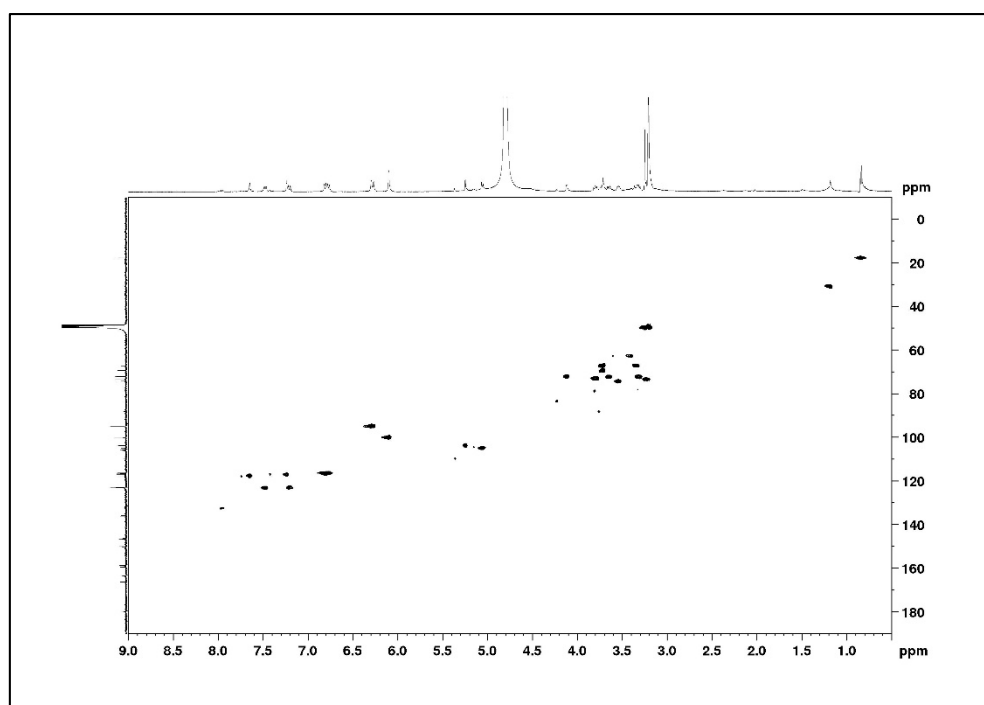


Figure S17. – HSQC contour map of Quercetin-3-O- rhamnoside (3) (400 Hz, CD<sub>3</sub>OD, δ).

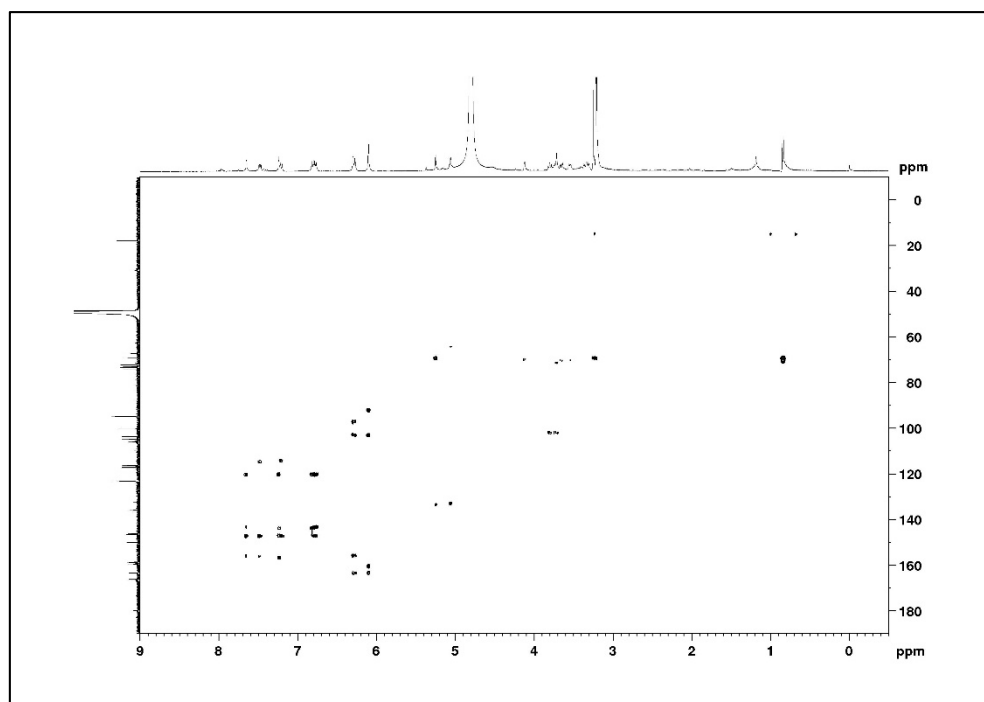


Figure S18. – HMBC contour map of Quercetin-3-O- rhamnoside (3) (400 Hz,  $\text{CD}_3\text{OD}$ ,  $\delta$ ).

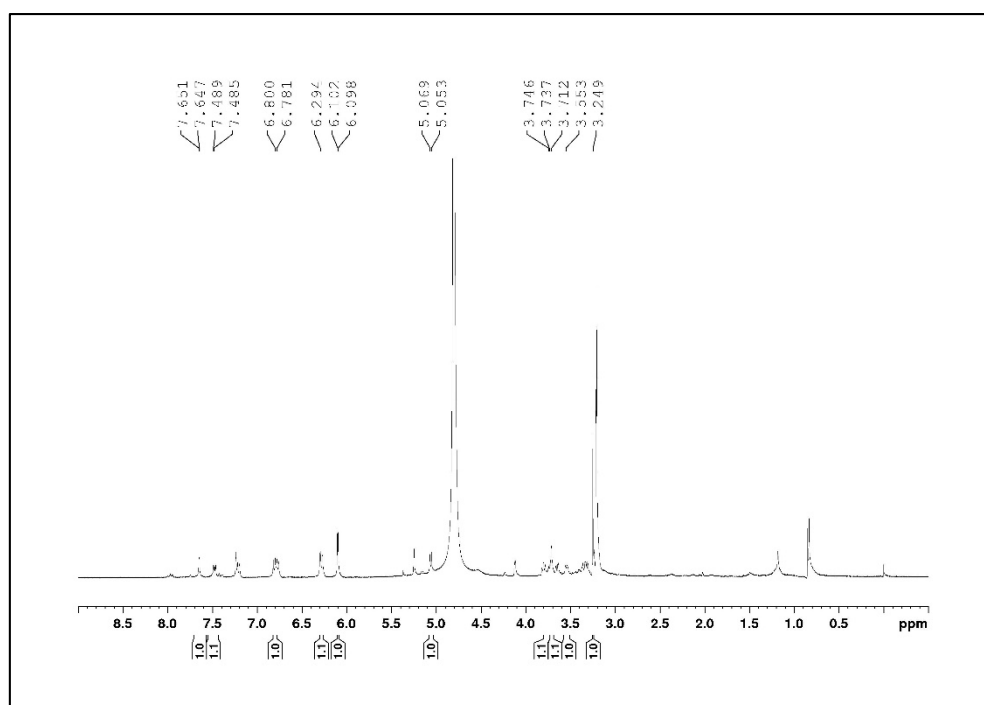


Figure S19. –  $^1\text{H}$  NMR spectrum of Quercetin-3-O- arabinoside (4) (400 Hz,  $\text{CD}_3\text{OD}$ ,  $\delta$ ).

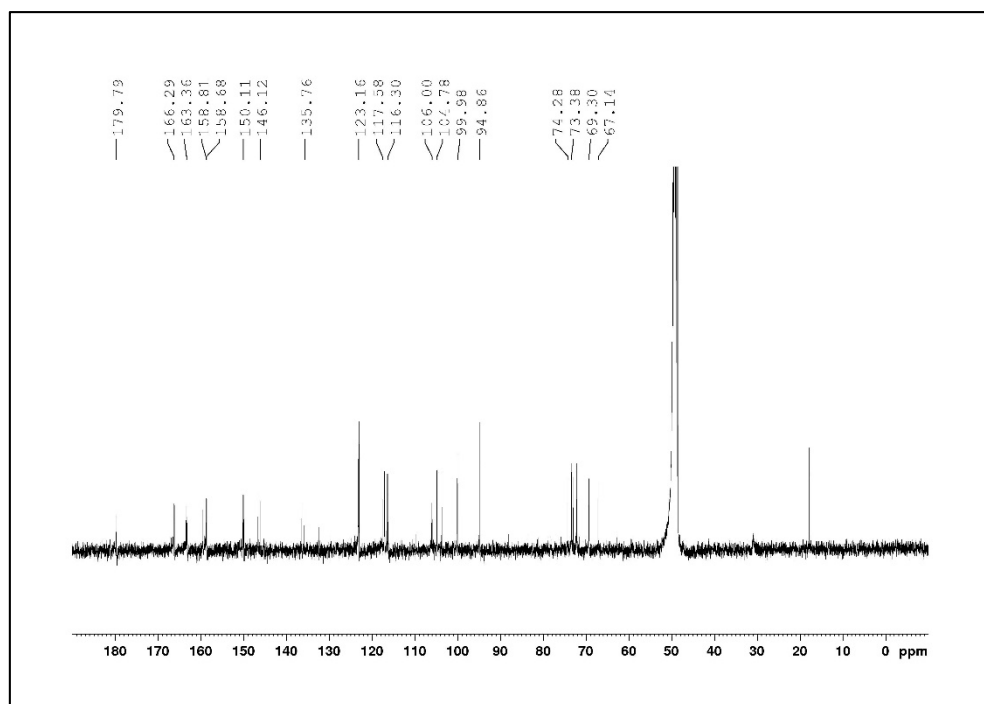


Figure S20. – <sup>13</sup>C NMR spectrum of Quercetin-3-O- arabinoside (**4**) (100 Hz, CD<sub>3</sub>OD, δ).

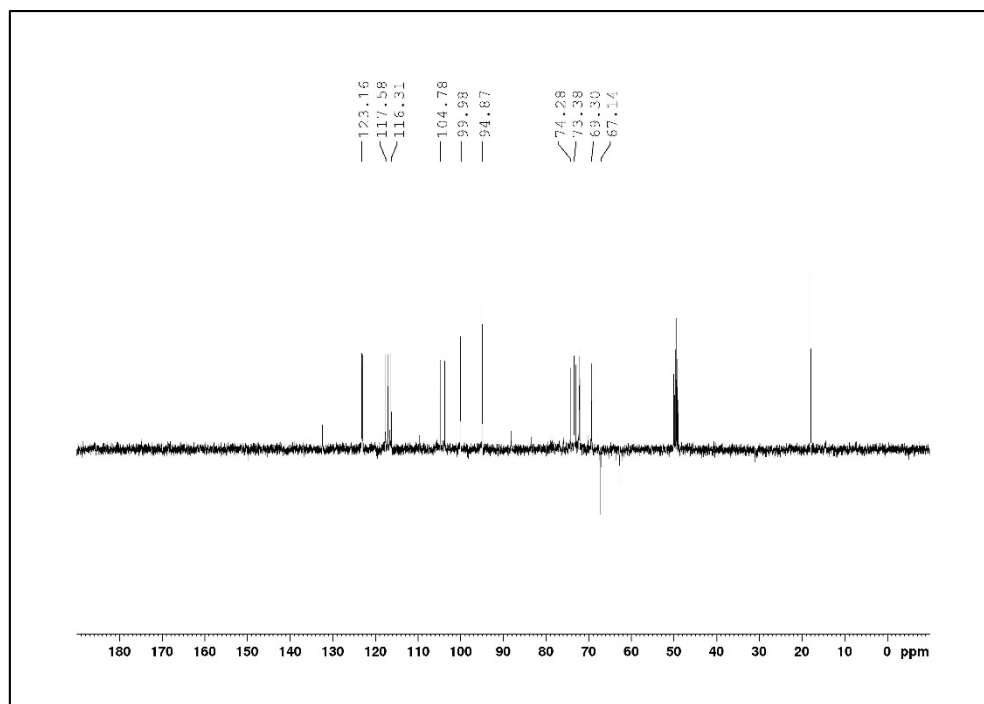


Figure S21. – DEPT-135° NMR spectrum of Quercetin-3-O- arabinoside (**4**) (100 Hz, CD<sub>3</sub>OD, δ).

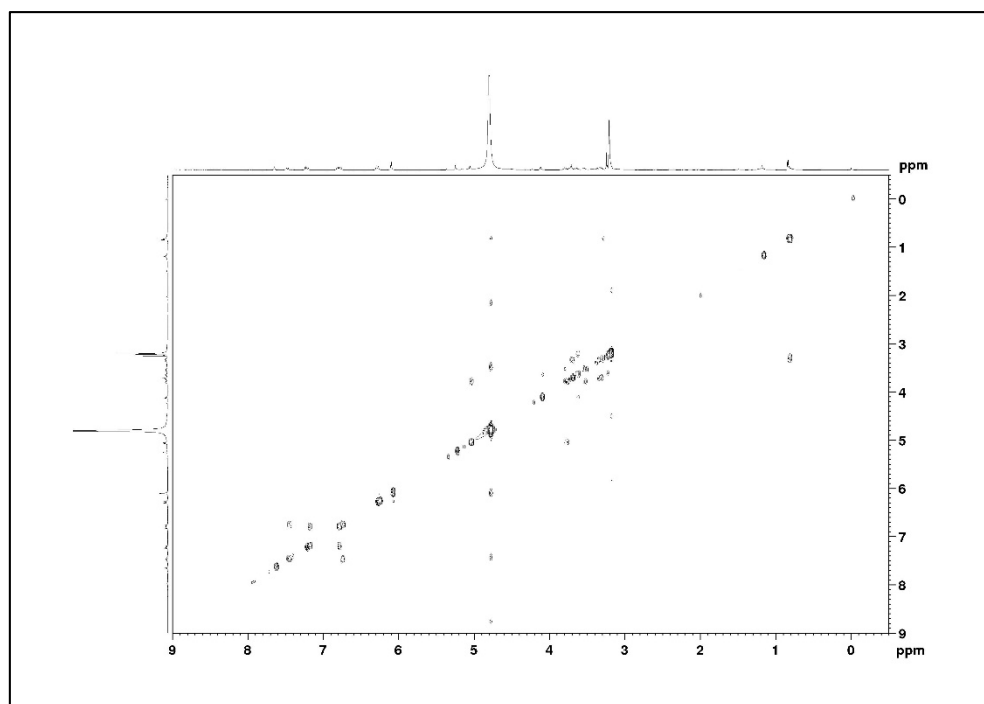


Figure S22. – COSY contour map of Quercetin-3-O- arabinoside (4) (400 Hz, CD<sub>3</sub>OD, δ).

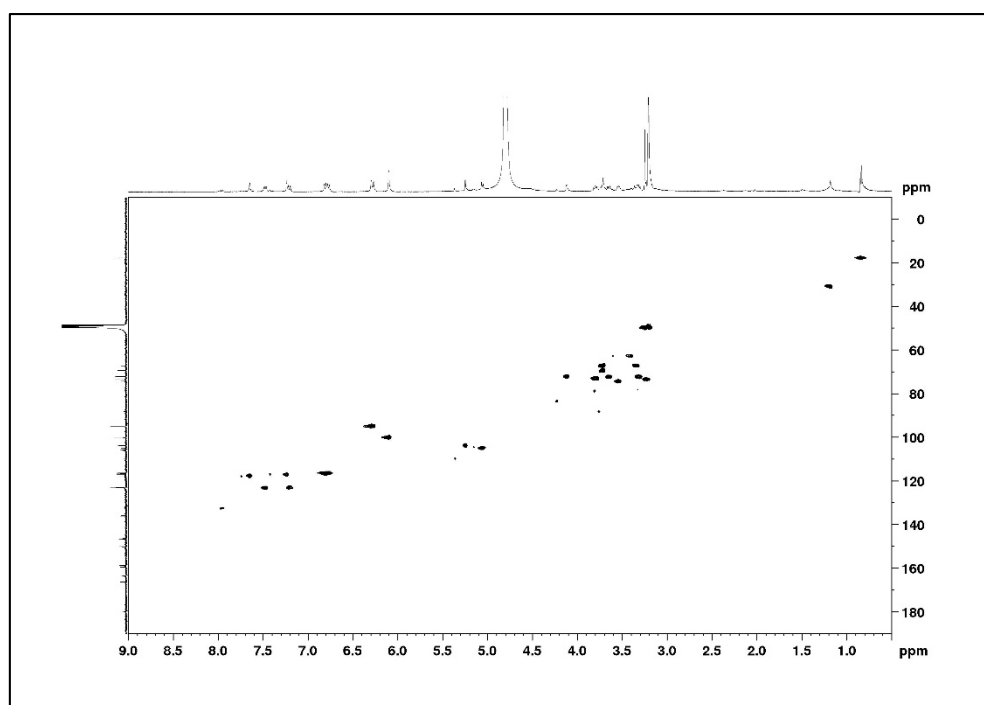
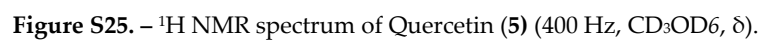


Figure S23. – HSQC contour map of Quercetin-3-O- arabinoside (4) (400 Hz, CD<sub>3</sub>OD, δ).



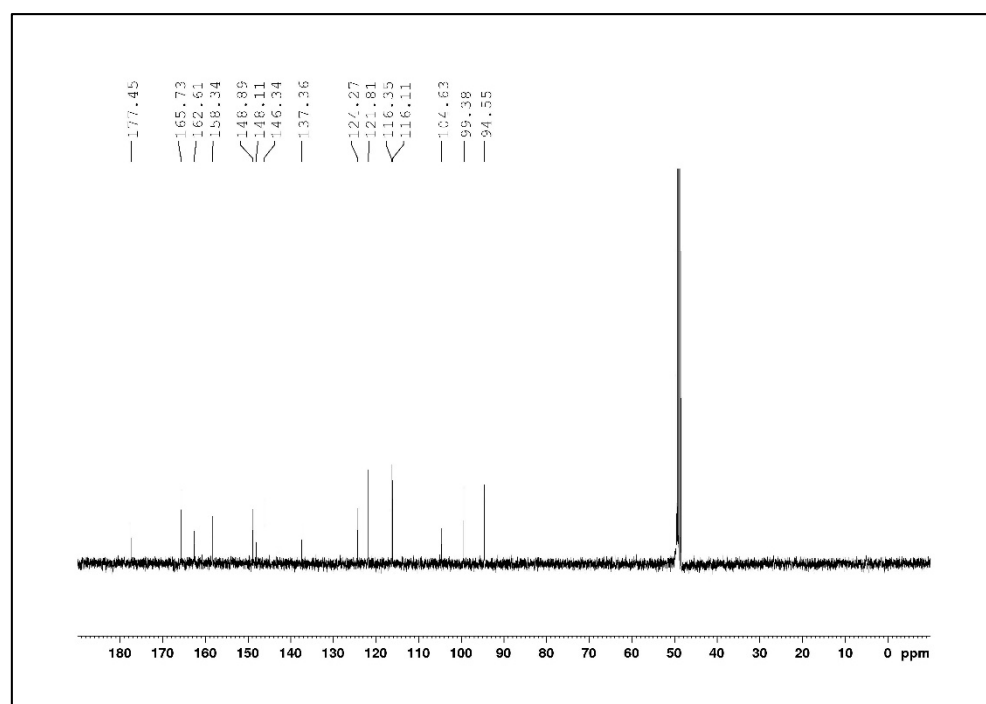


Figure S26. – <sup>13</sup>C NMR spectrum of Quercetin (5) (100 Hz, CD<sub>3</sub>OD, δ).

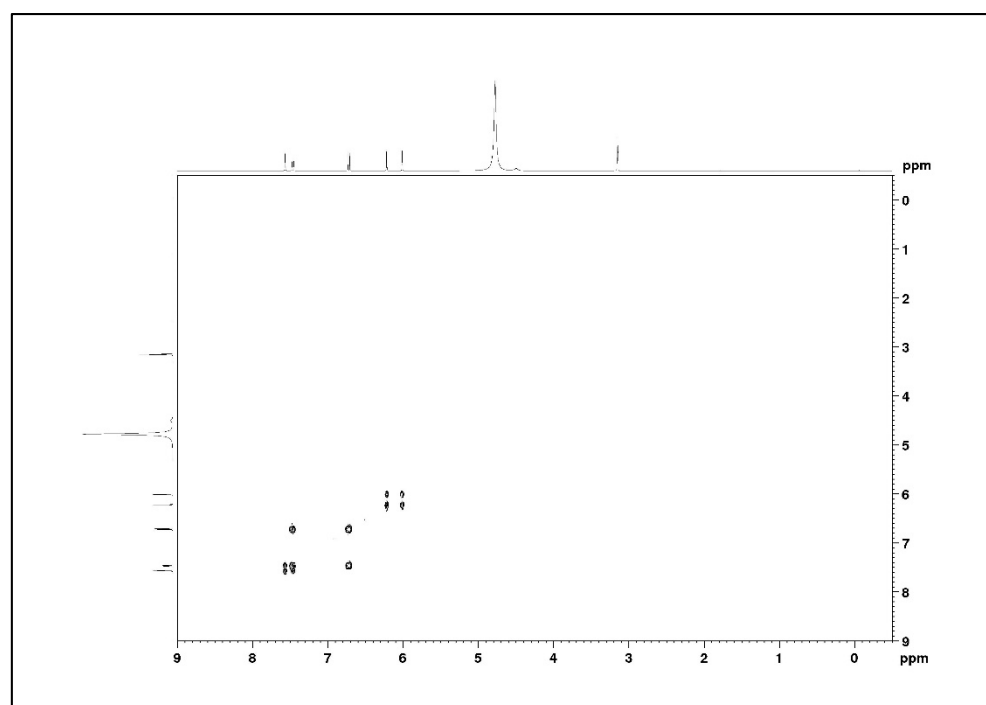


Figure S27. – COSY contour map of Quercetin (5) (400 Hz, CD<sub>3</sub>OD, δ).

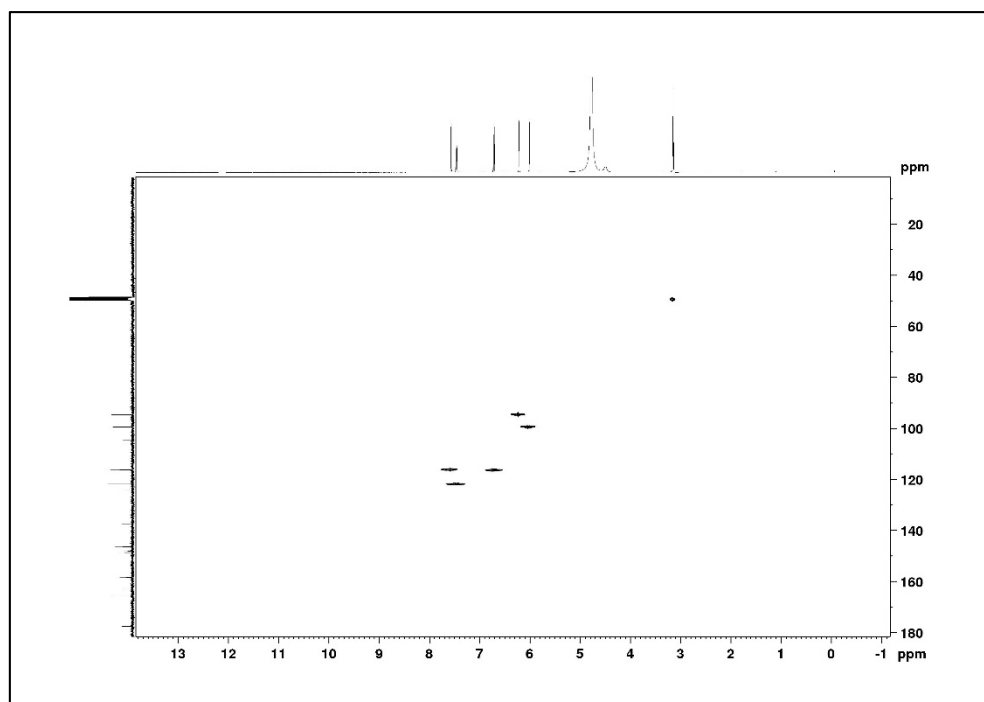


Figure S28. – HSQC contour map of Quercetin (5) (400 Hz, CD<sub>3</sub>OD, δ).

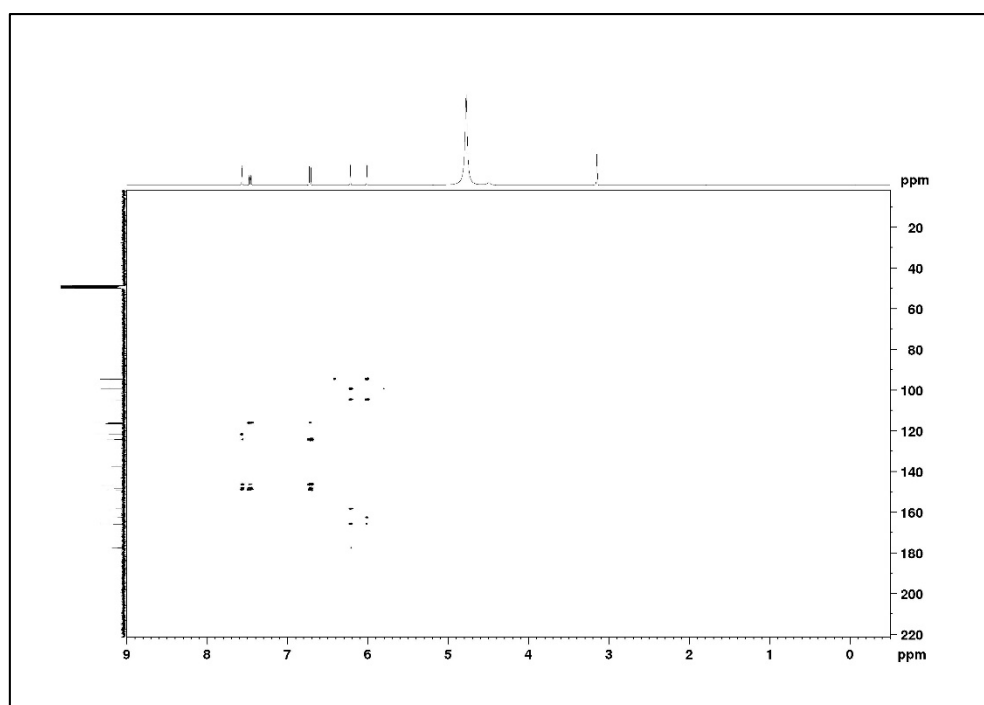


Figure S29. – HMBC contour map of Quercetin (5) (400 Hz, CD<sub>3</sub>OD, δ).