

Supporting Information

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Isolation of Flavonoids from the *Potentilla kleiniana* and Evaluation of Their α -Glucosidase Inhibitory Activity and Anti-inflammatory Activity

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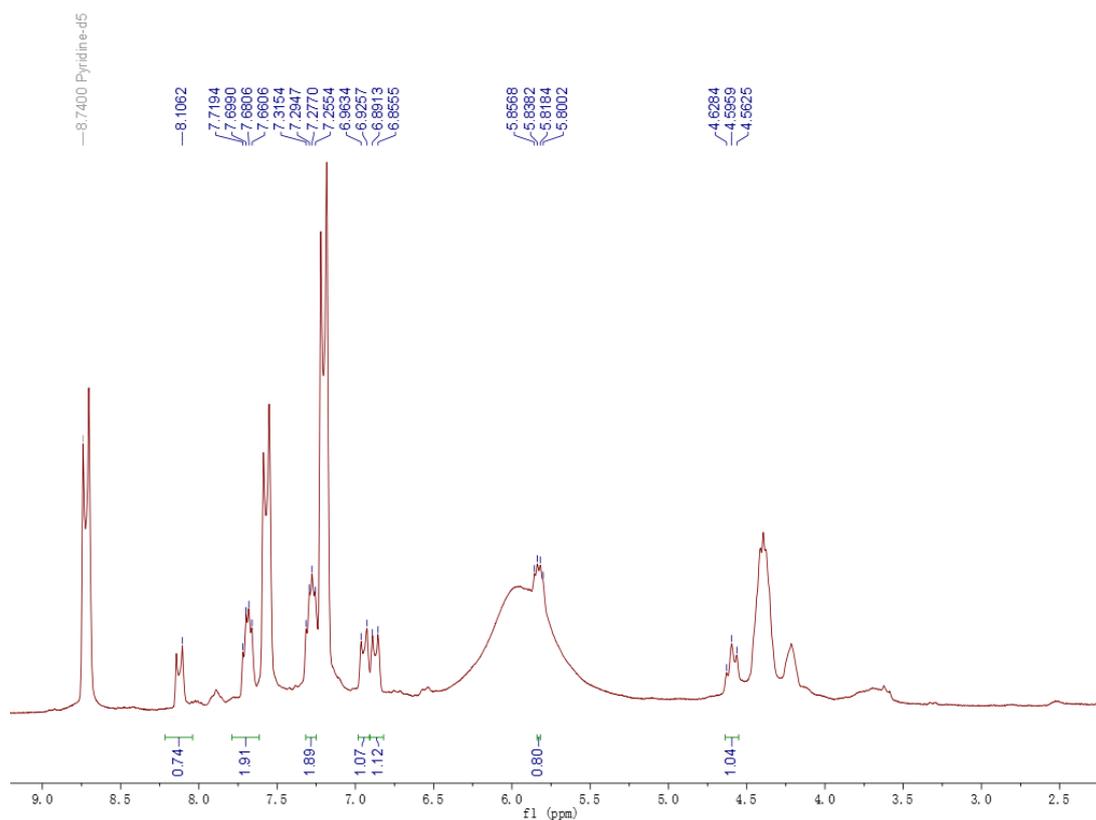


Figure S1: ^1H NMR spectrum of compound **1** in pyridine- d_5 (400 MHz)

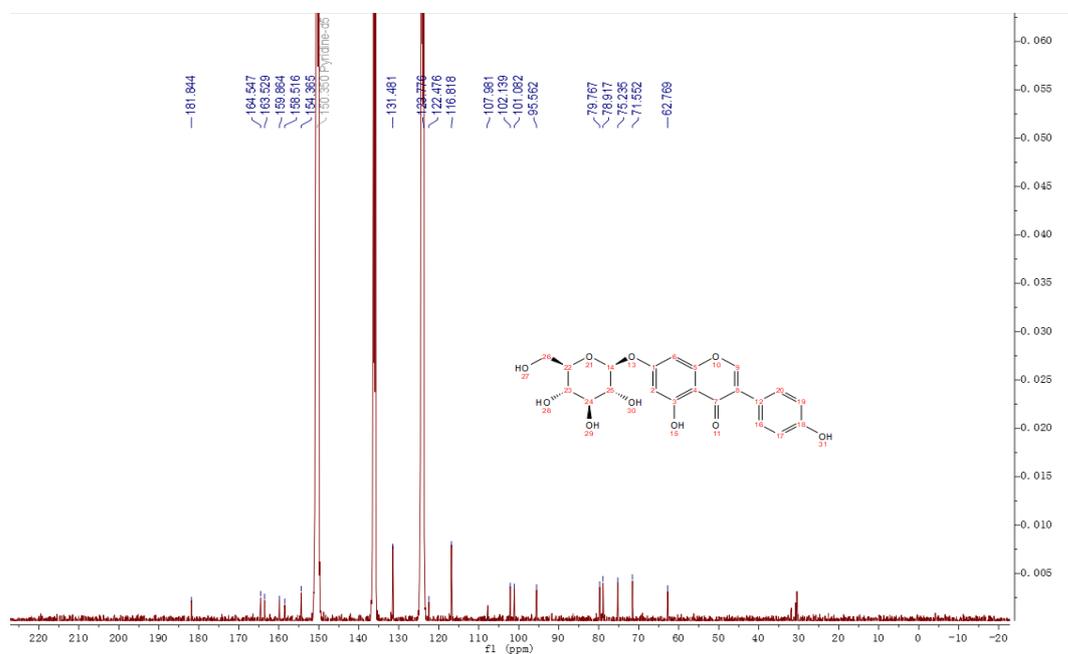


Figure S2: ^{13}C NMR spectrum of compound **1** in pyridine- d_5 (100 MHz)

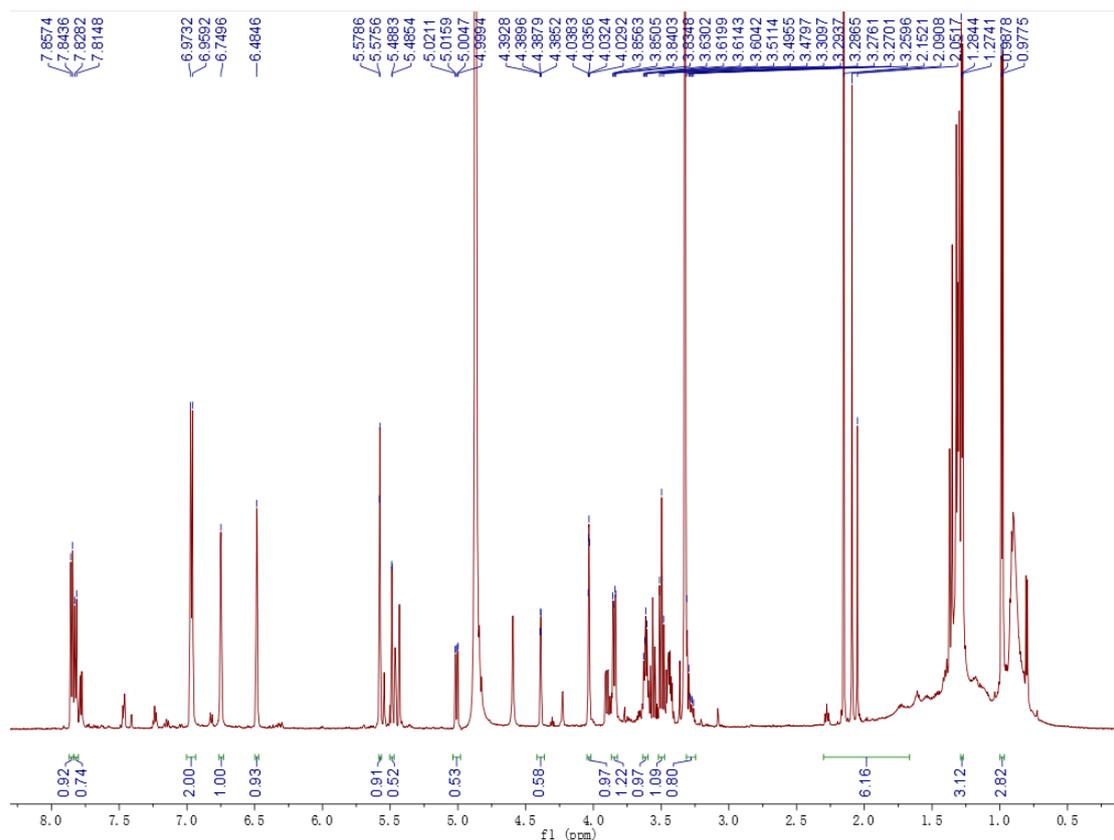


Figure S3: ^1H NMR spectrum of compound **2** in CD_3OD (600 MHz)

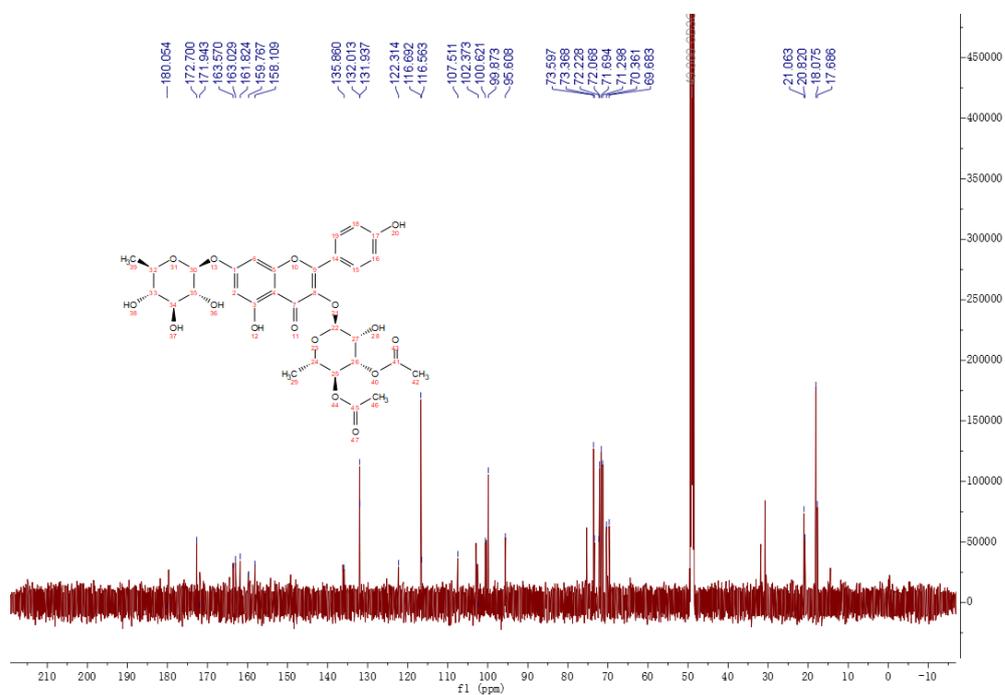


Figure S4: ^{13}C NMR spectrum of compound **2** in CD_3OD (150 MHz)

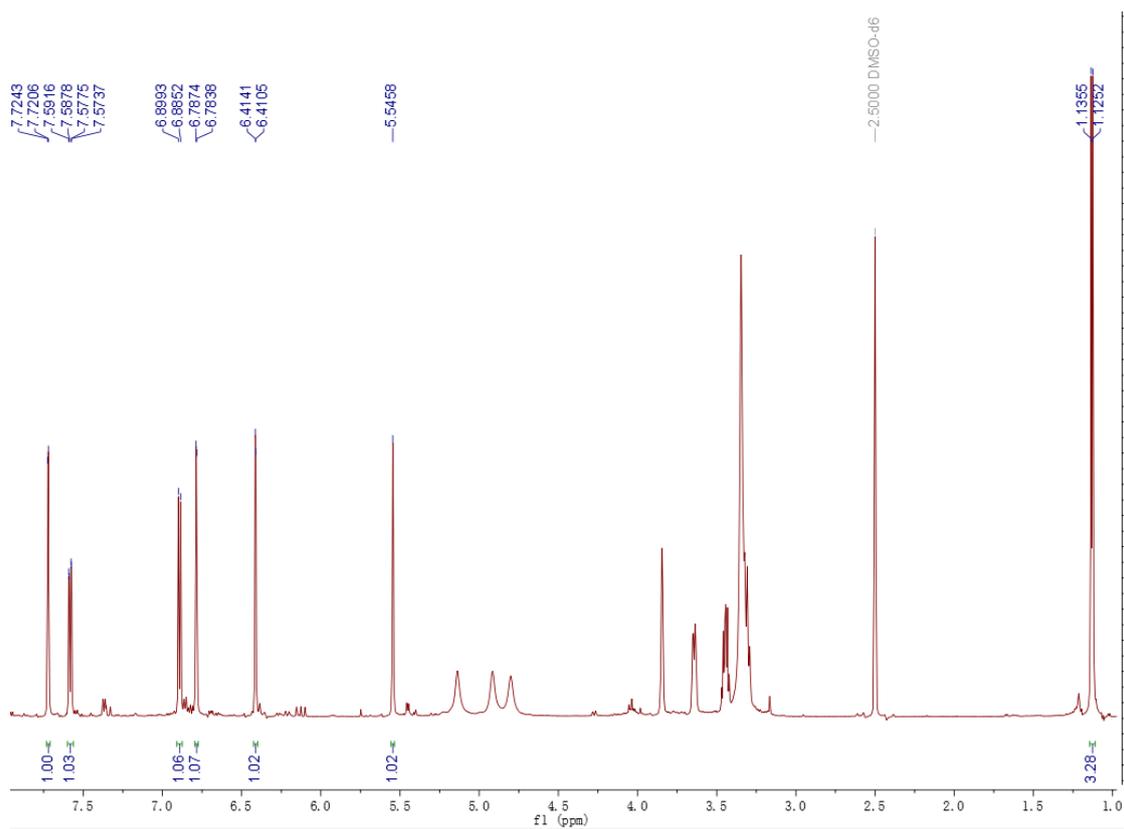


Figure S5: ^1H NMR spectrum of compound **3** in $\text{DMSO-}d_6$ (600 MHz)

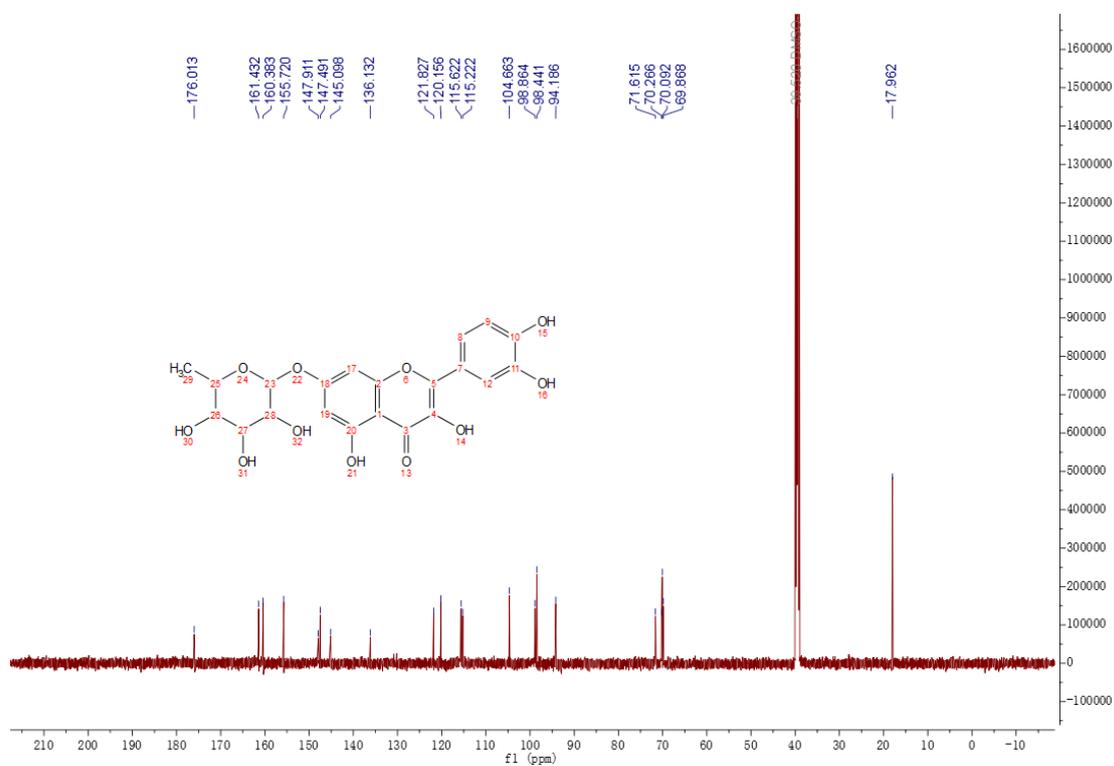


Figure S6: ^{13}C NMR spectrum of compound **3** in $\text{DMSO-}d_6$ (150 MHz)

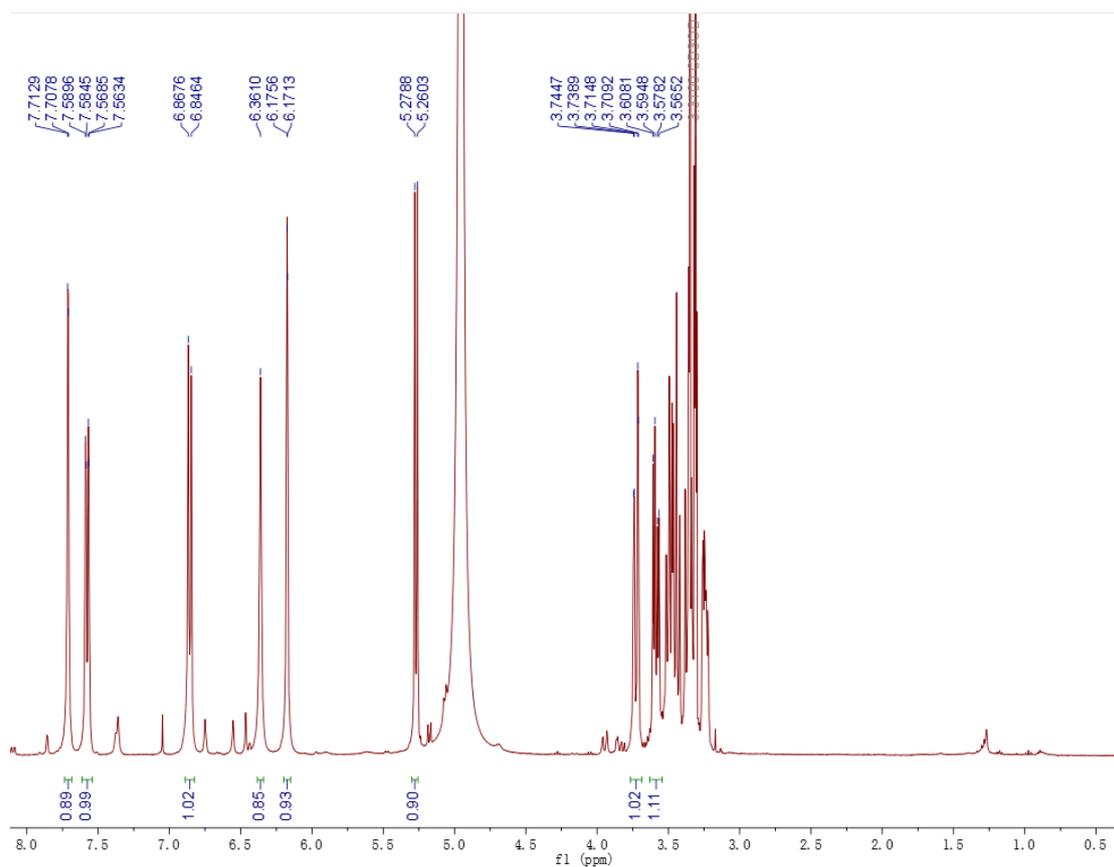


Figure S7: ^1H NMR spectrum of compound **4** in CD_3OD (400 MHz)

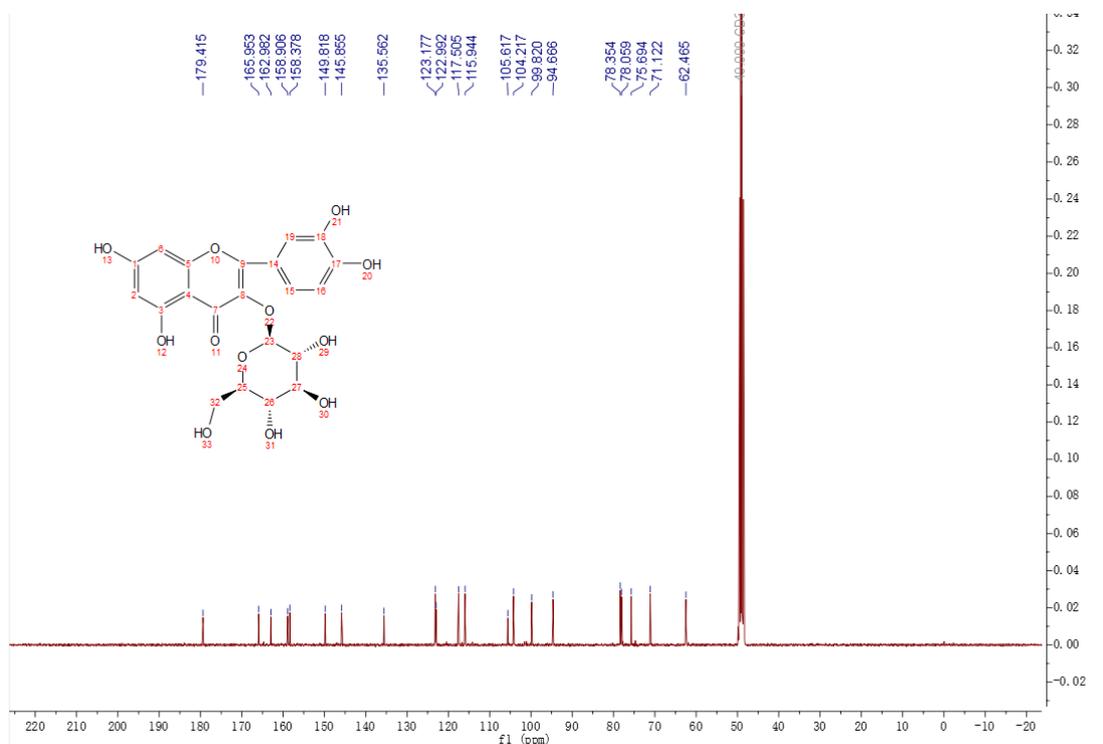


Figure S8: ^{13}C NMR spectrum of compound **4** in CD_3OD (100 MHz)

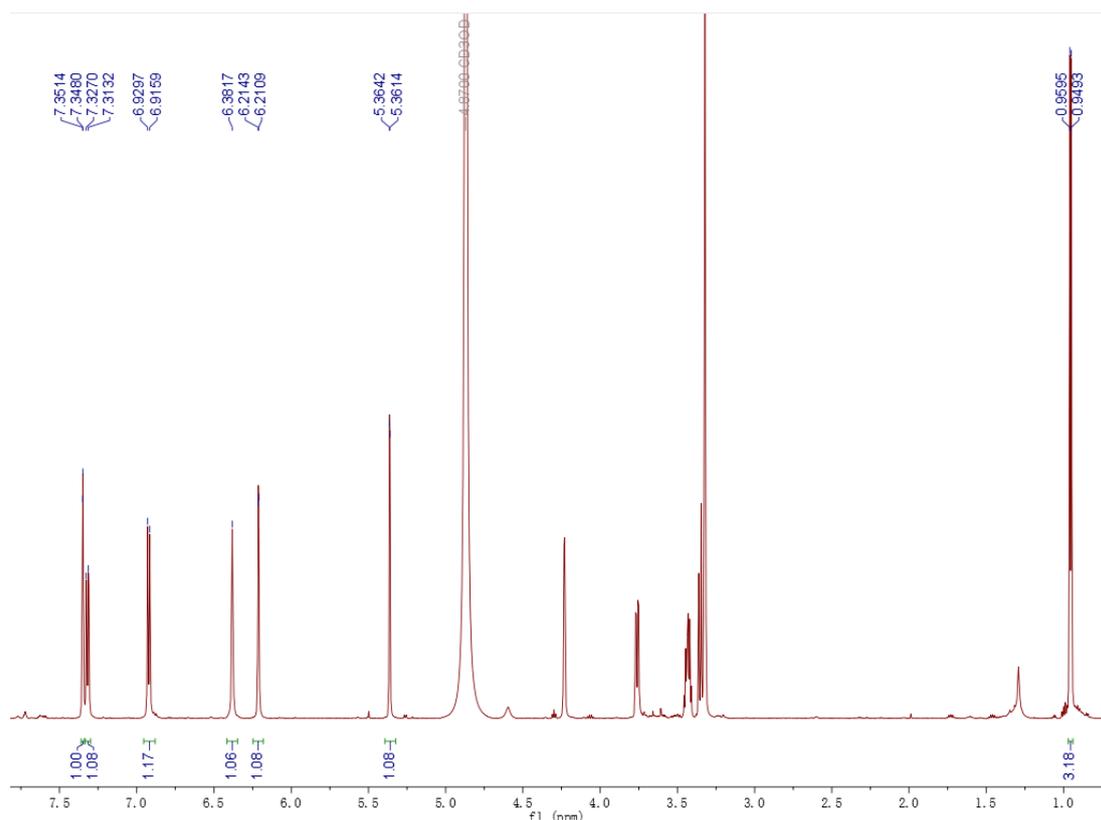


Figure S9: ^1H NMR spectrum of compound **5** in CD_3OD (600 MHz)

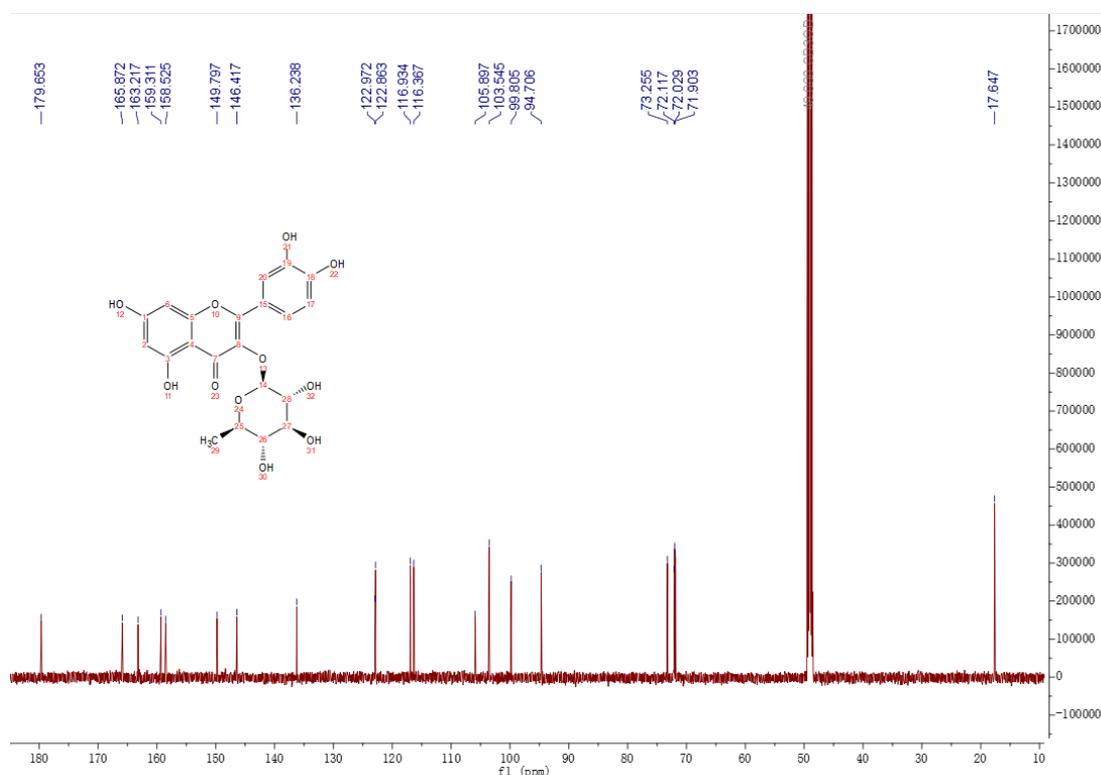


Figure S10: ^{13}C NMR spectrum of compound **5** in CD_3OD (150 MHz)

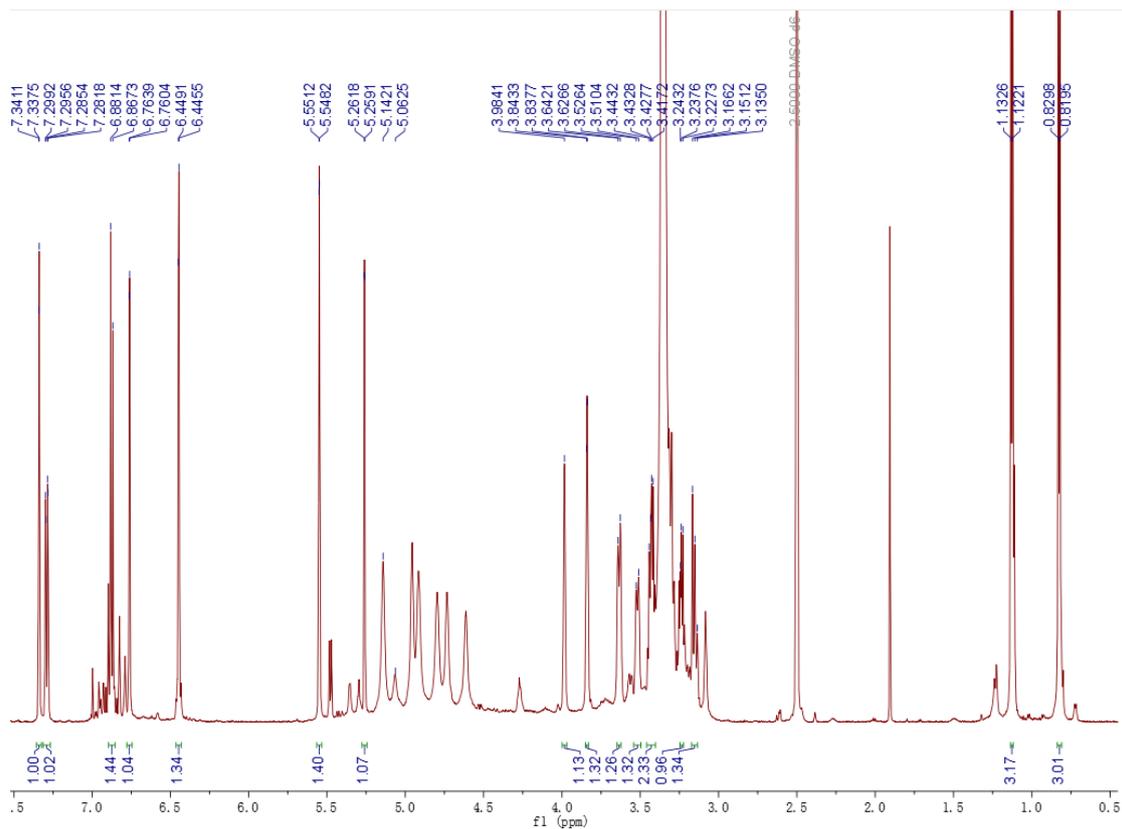


Figure S11: ^1H NMR spectrum of compound **6** in $\text{DMSO-}d_6$ (600 MHz)

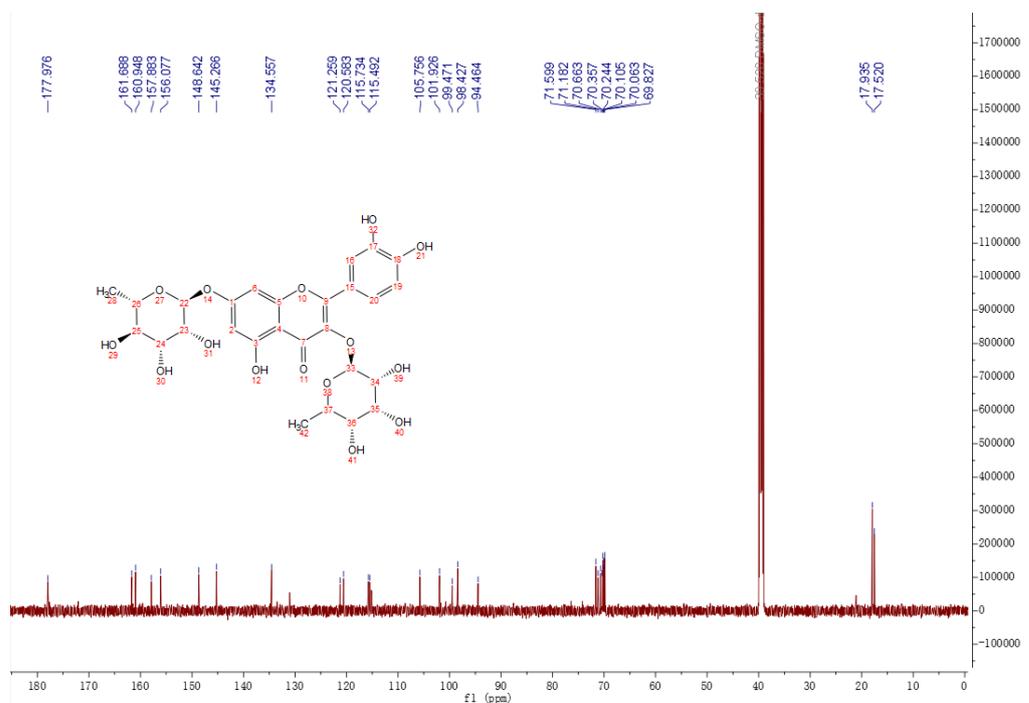


Figure S12: ^{13}C NMR spectrum of compound **6** in $\text{DMSO-}d_6$ (150 MHz)

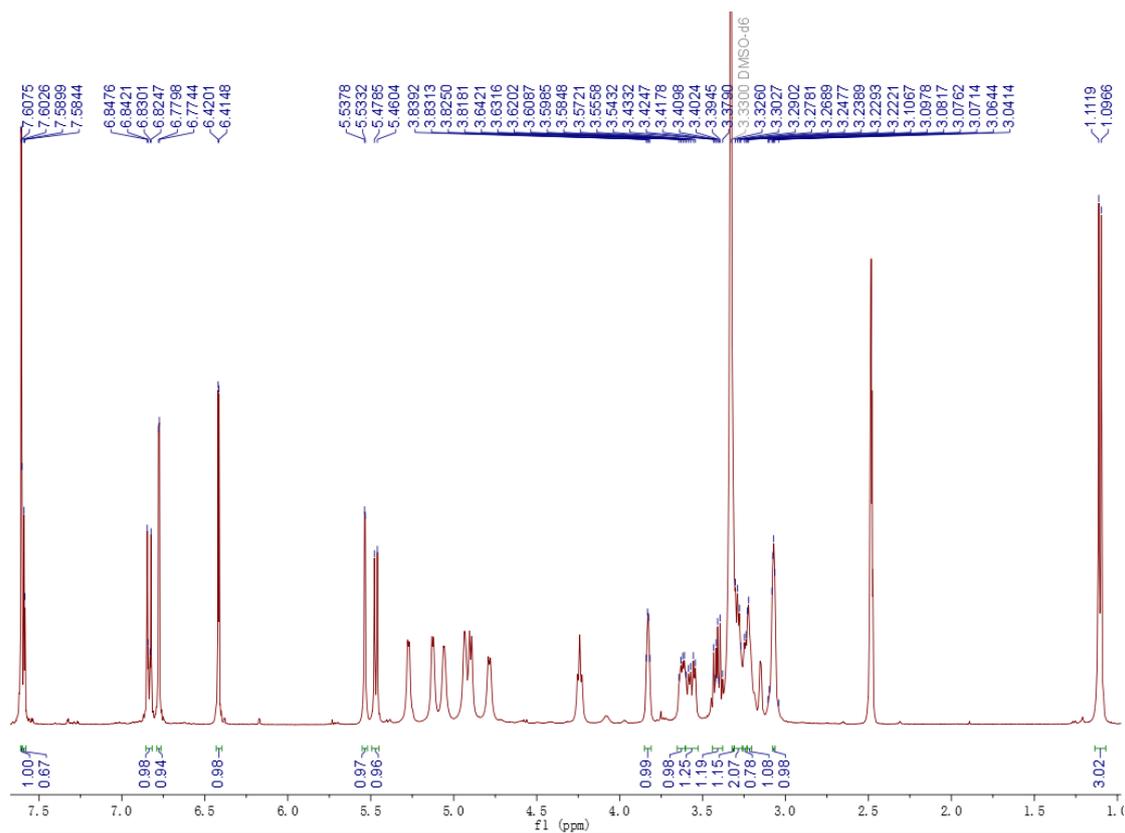


Figure S13: ^1H NMR spectrum of compound 7 in $\text{DMSO-}d_6$ (400 MHz)

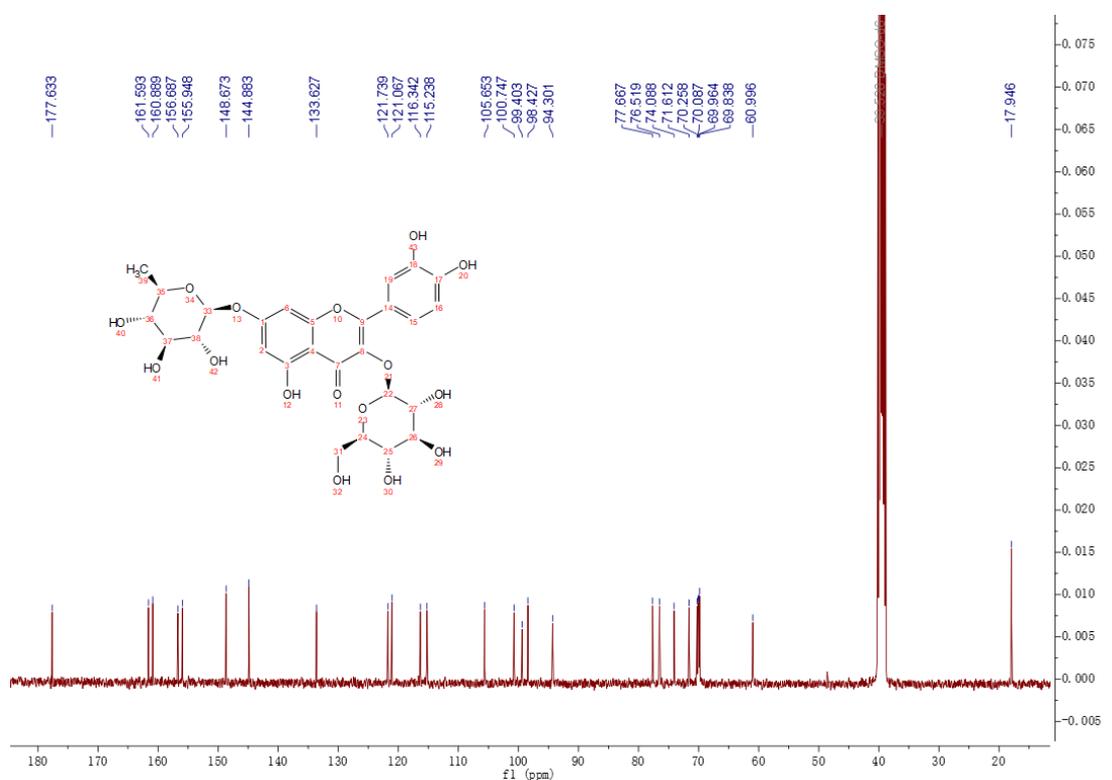


Figure S14: ^{13}C NMR spectrum of compound 7 in $\text{DMSO-}d_6$ (100 MHz)

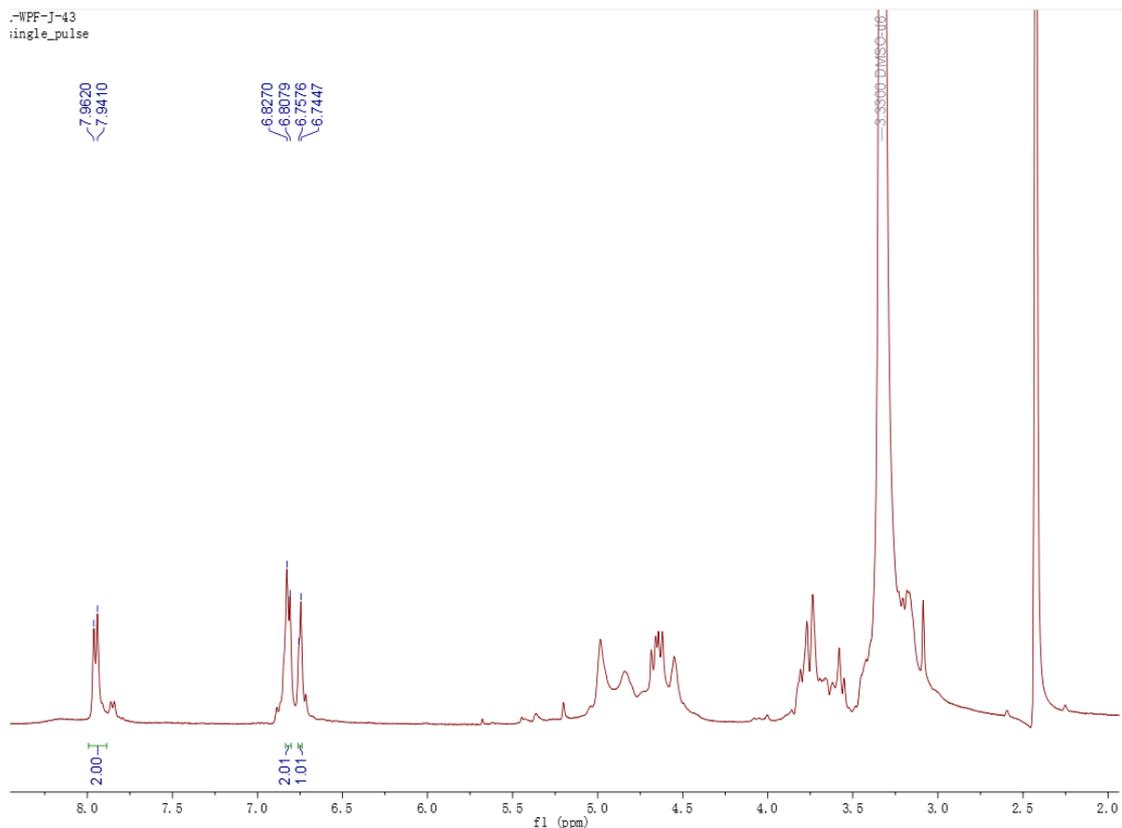


Figure S15: ^1H NMR spectrum of compound **8** in $\text{DMSO-}d_6$ (400 MHz)

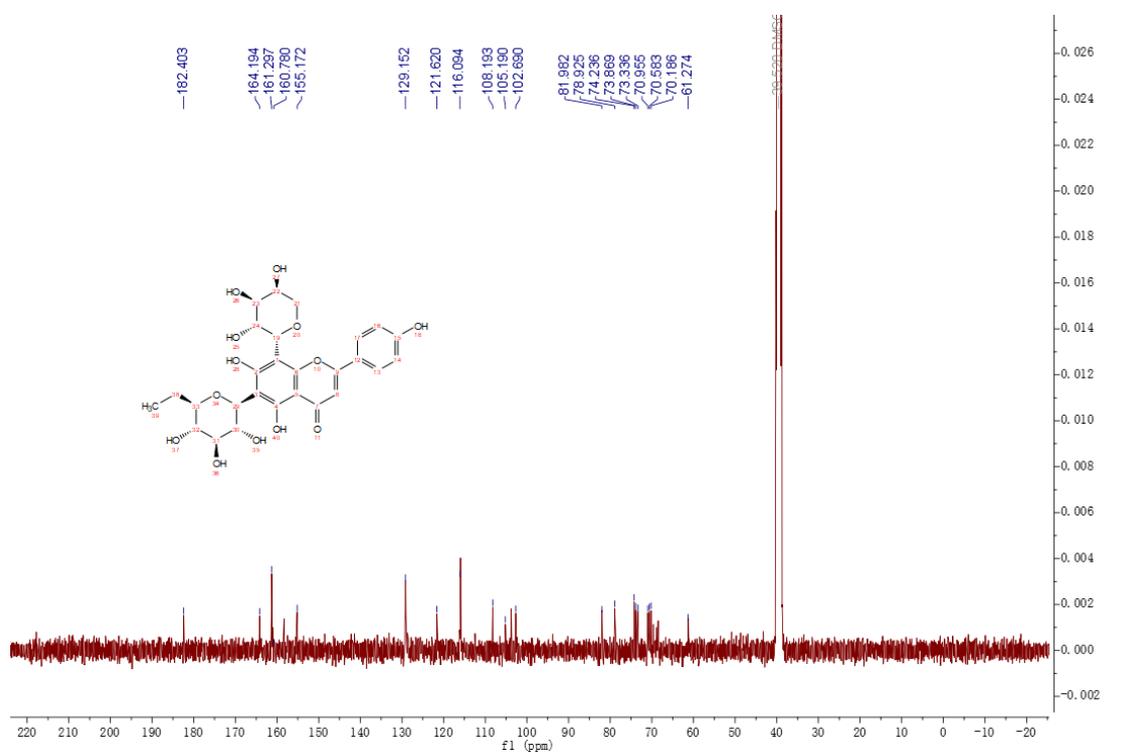


Figure S16: ^{13}C NMR spectrum of compound **8** in $\text{DMSO-}d_6$ (100 MHz)

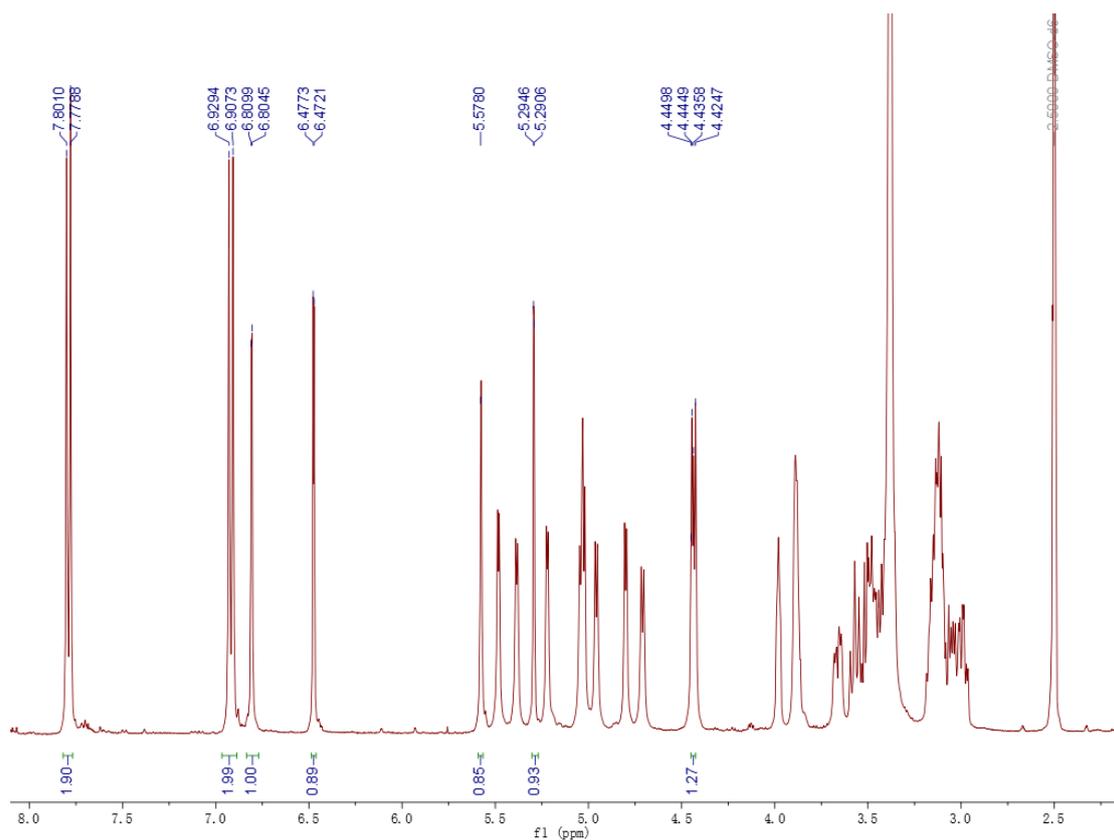


Figure S17: ^1H NMR spectrum of compound **9** in $\text{DMSO-}d_6$ (400 MHz)

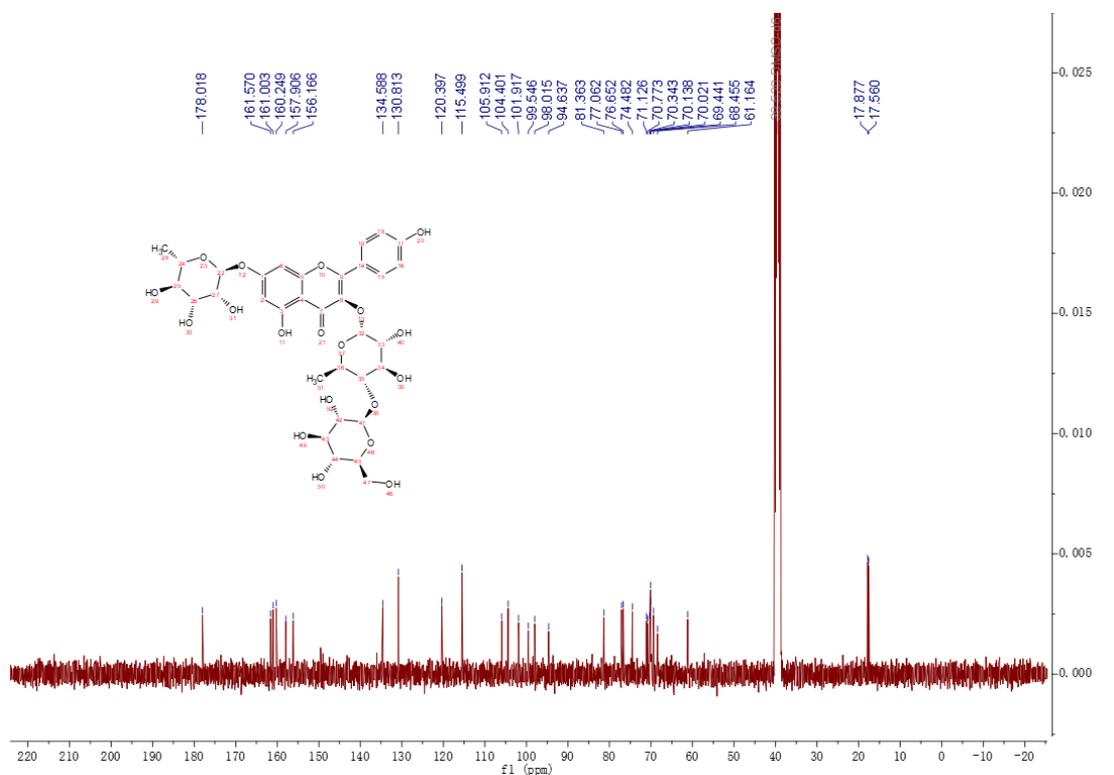


Figure S18: ^{13}C NMR spectrum of compound **9** in $\text{DMSO-}d_6$ (100 MHz)

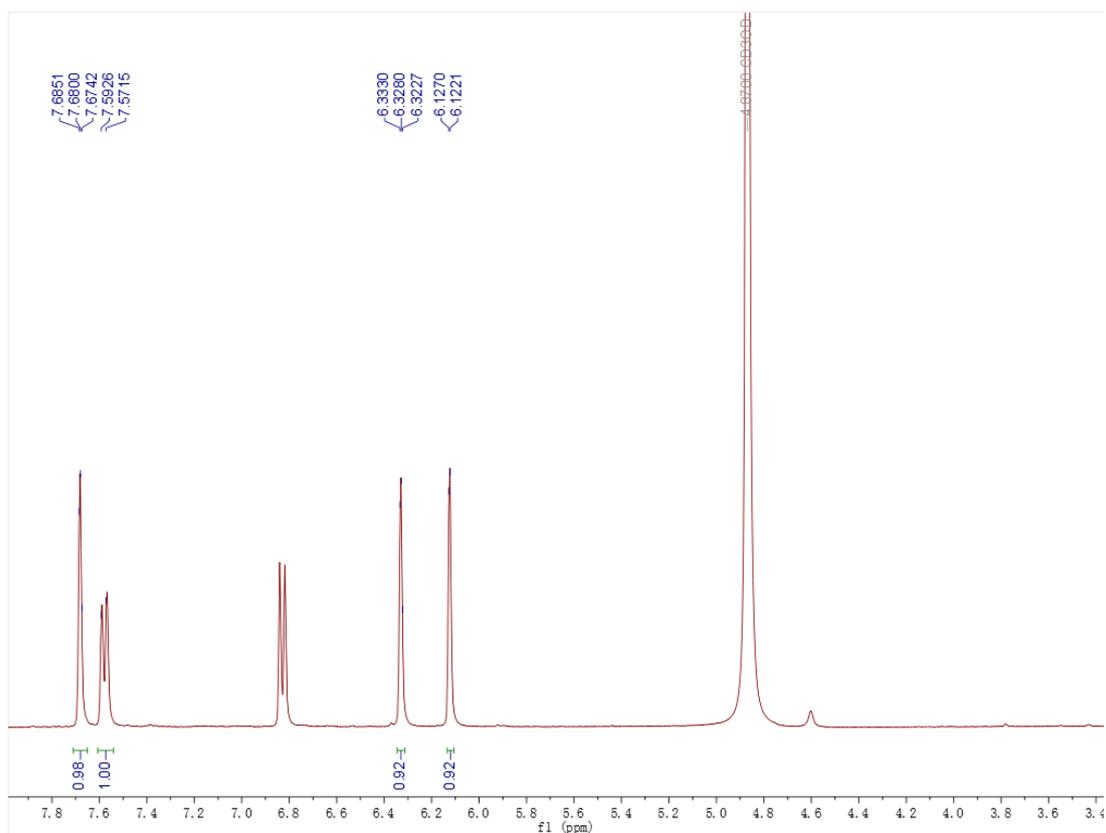


Figure S19: ^1H NMR spectrum of compound **10** in CD_3OD (400 MHz)

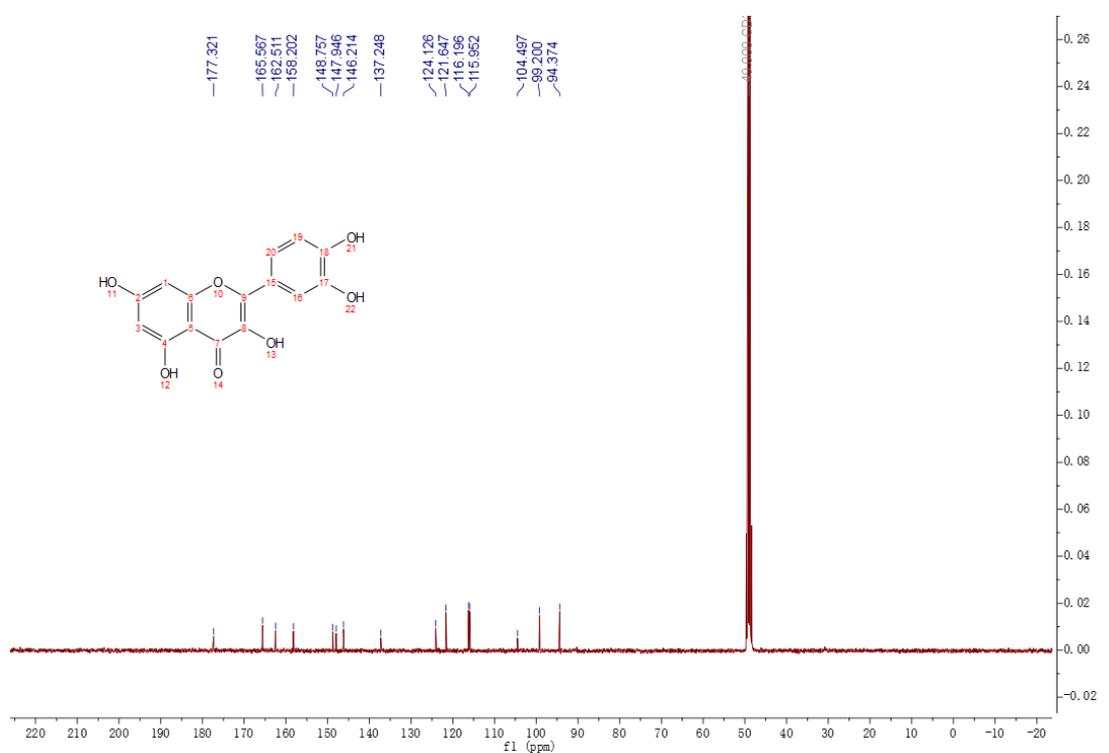


Figure S20: ^{13}C NMR spectrum of compound **10** in CD_3OD (100 MHz)

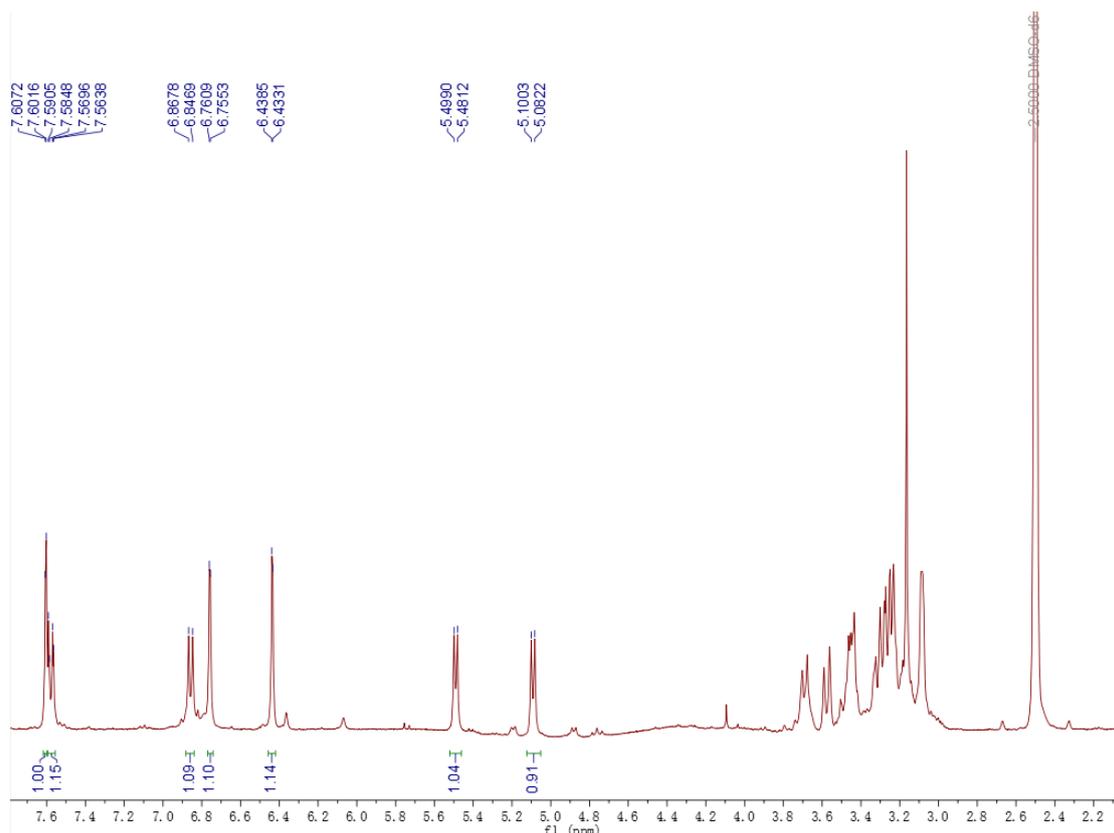


Figure S21: ^1H NMR spectrum of compound **11** in $\text{DMSO-}d_6$ (400 MHz)

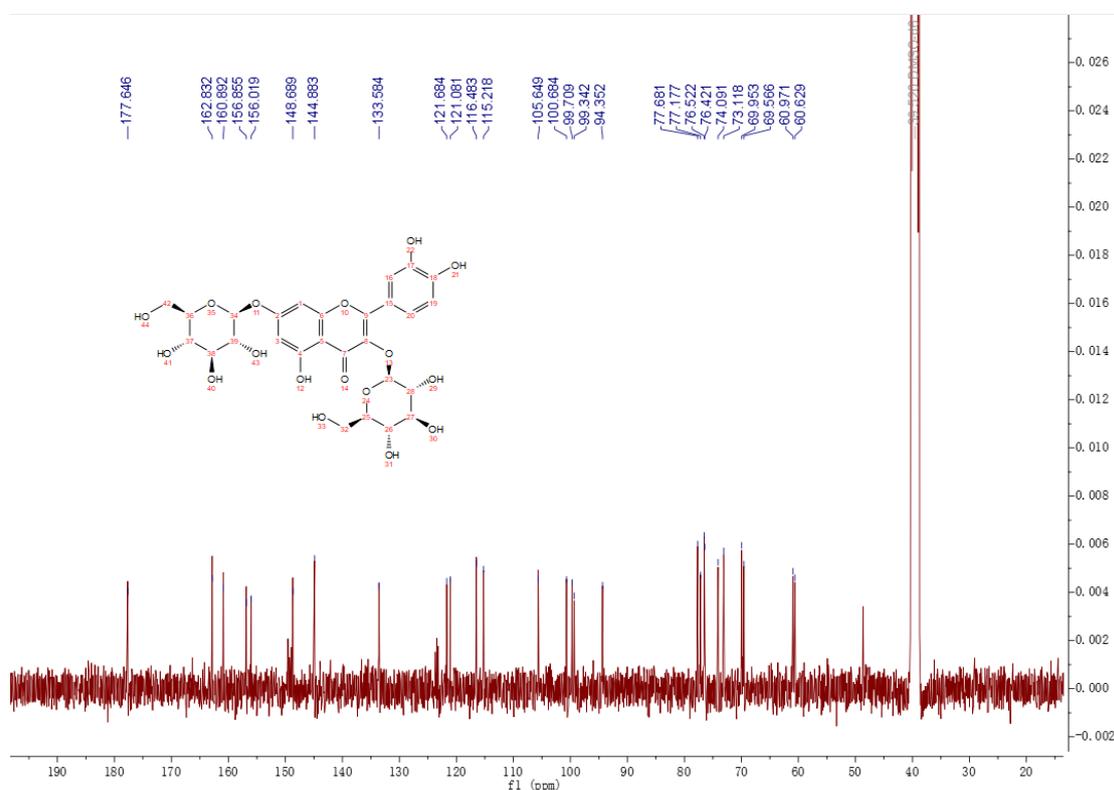


Figure S22: ^{13}C NMR spectrum of compound **11** in $\text{DMSO-}d_6$ (100 MHz)

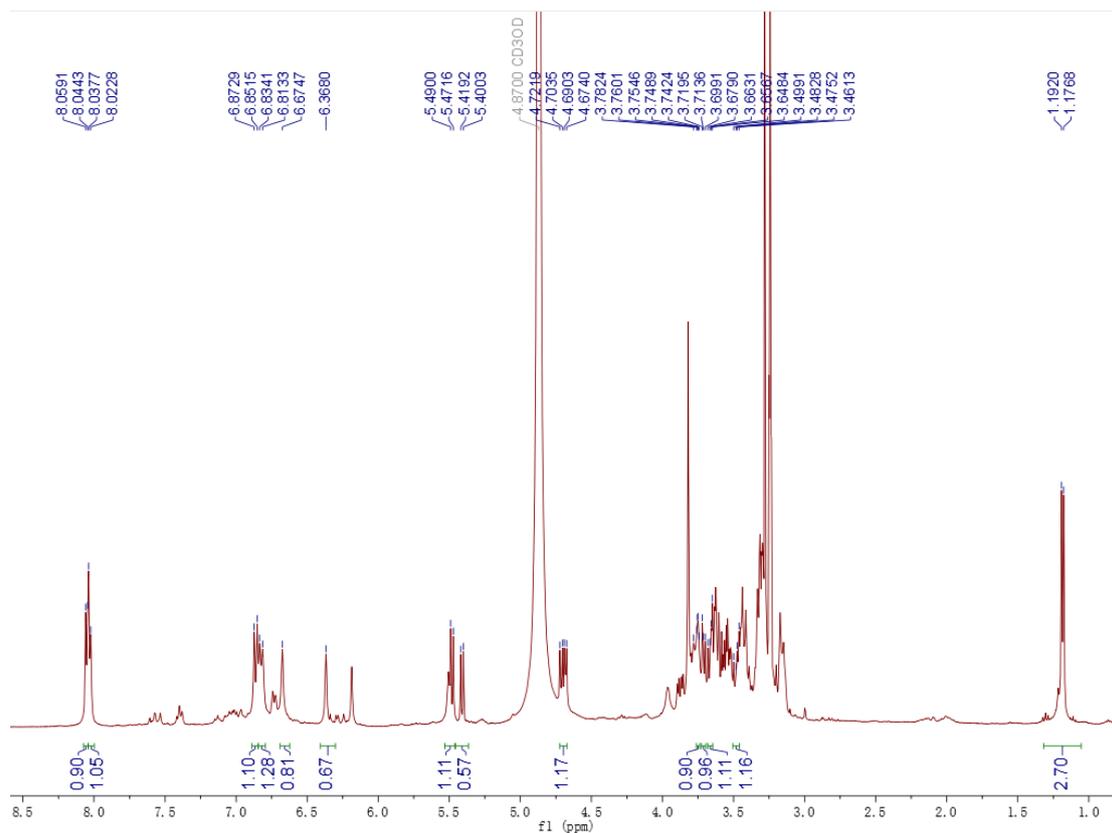


Figure S23: ^1H NMR spectrum of compound **12** in CD_3OD (400 MHz)

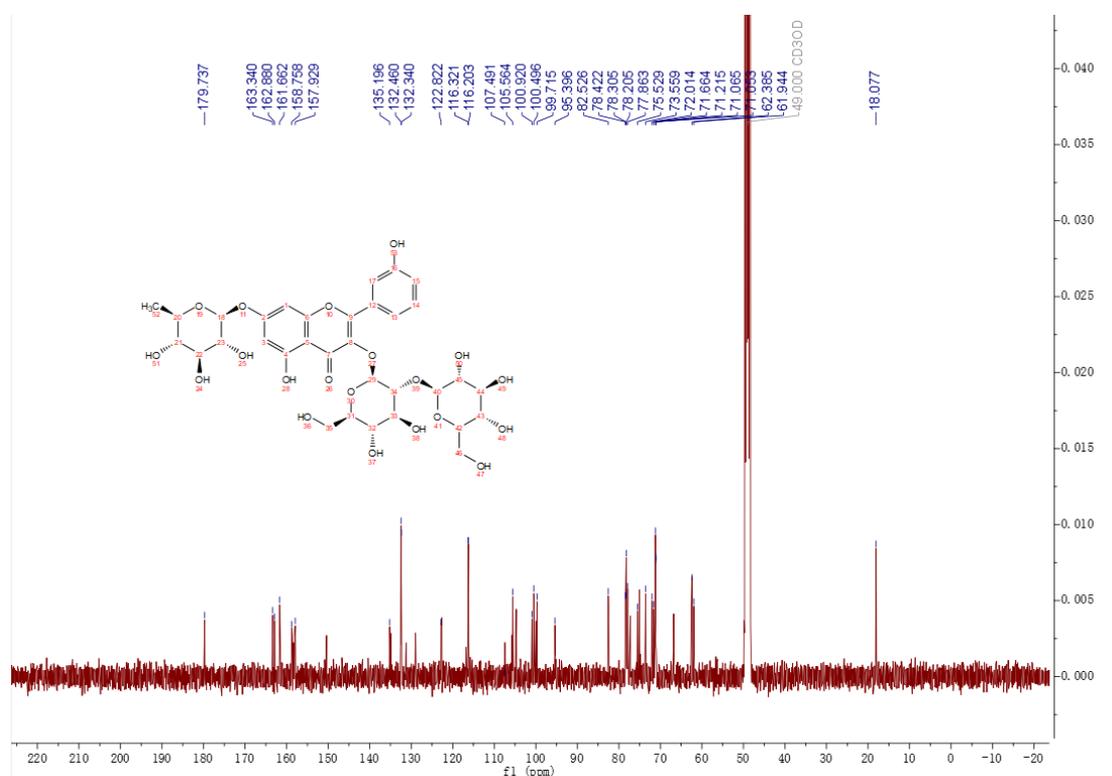


Figure S24: ^{13}C NMR spectrum of compound **12** in CD_3OD (100 MHz)

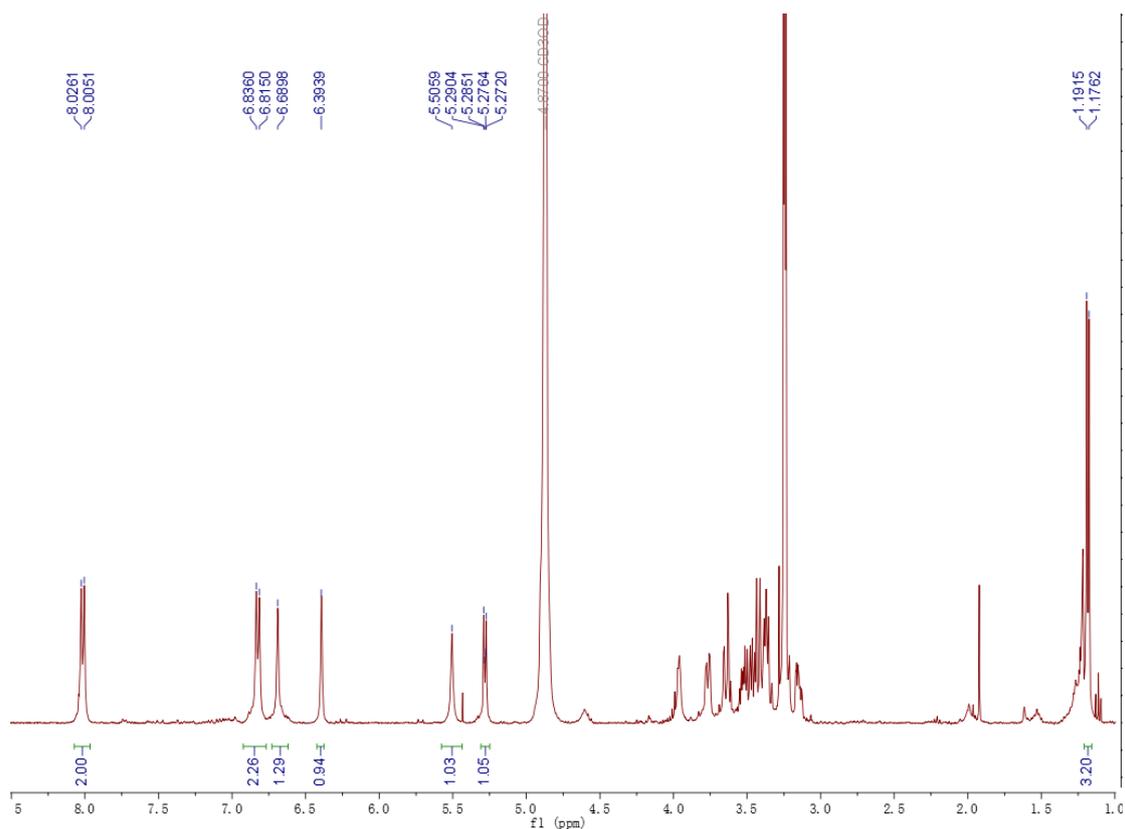


Figure S25: ^1H NMR spectrum of compound **13** in CD_3OD (400 MHz)

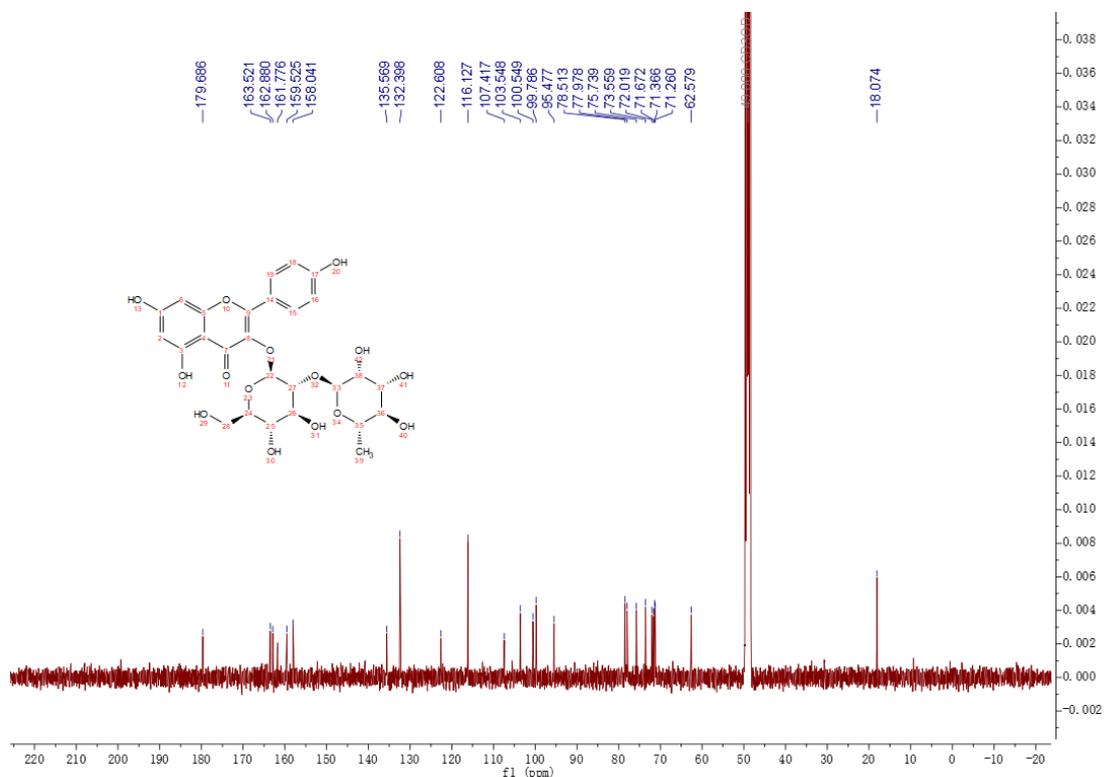


Figure S26: ^{13}C NMR spectrum of compound **13** in CD_3OD (100 MHz)

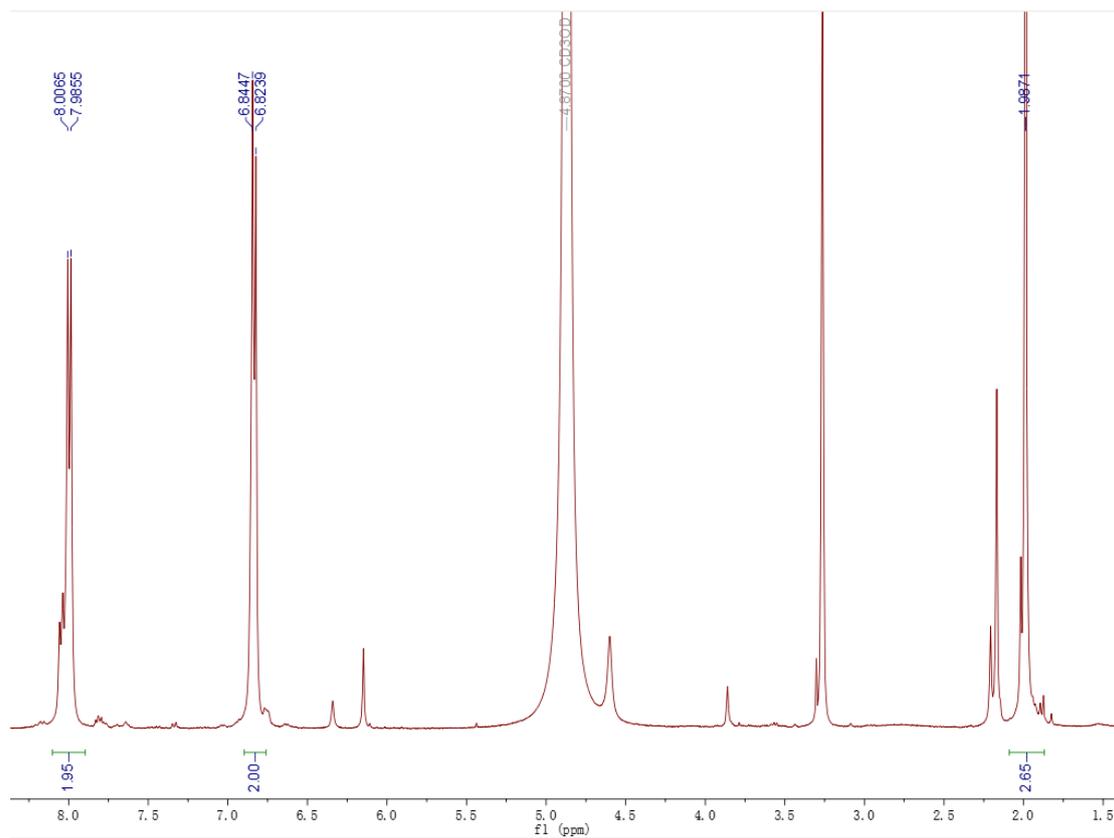


Figure S27: ^1H NMR spectrum of compound **14** in CD_3OD (400 MHz)

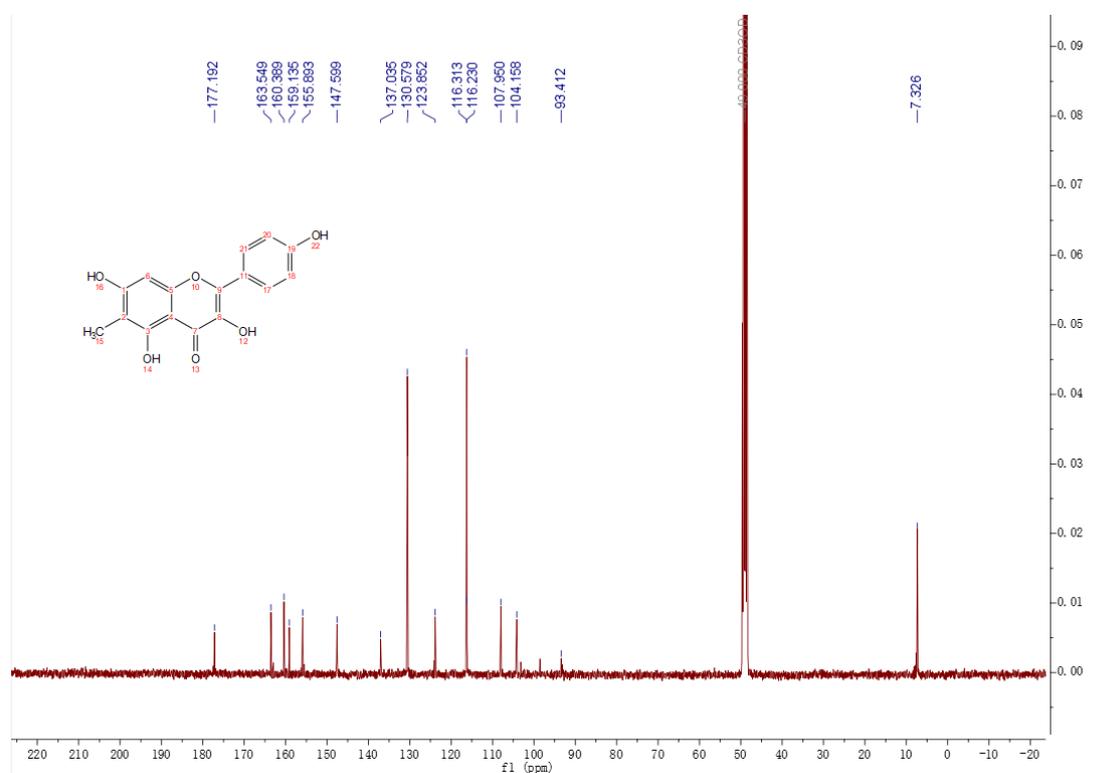


Figure S28: ^{13}C NMR spectrum of compound **14** in CD_3OD (100 MHz)

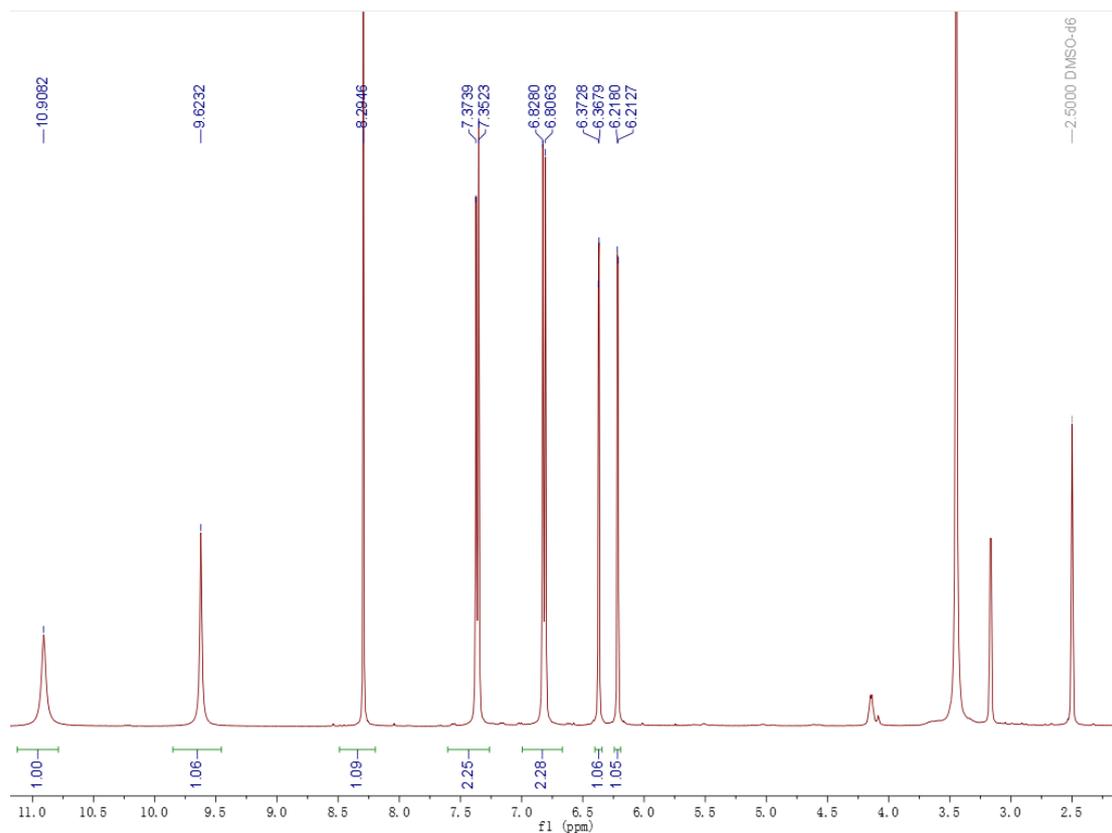


Figure S29: ^1H NMR spectrum of compound **15** in $\text{DMSO-}d_6$ (400 MHz)

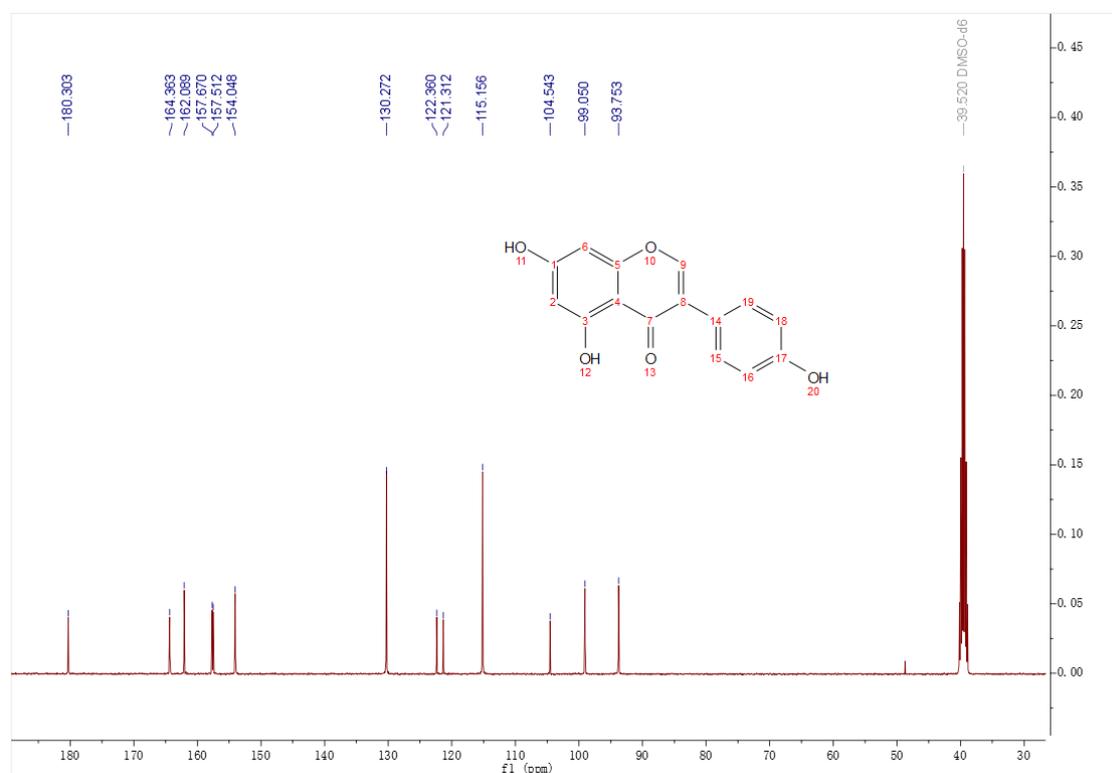


Figure S30: ^{13}C NMR spectrum of compound **15** in $\text{DMSO-}d_6$ (100 MHz)

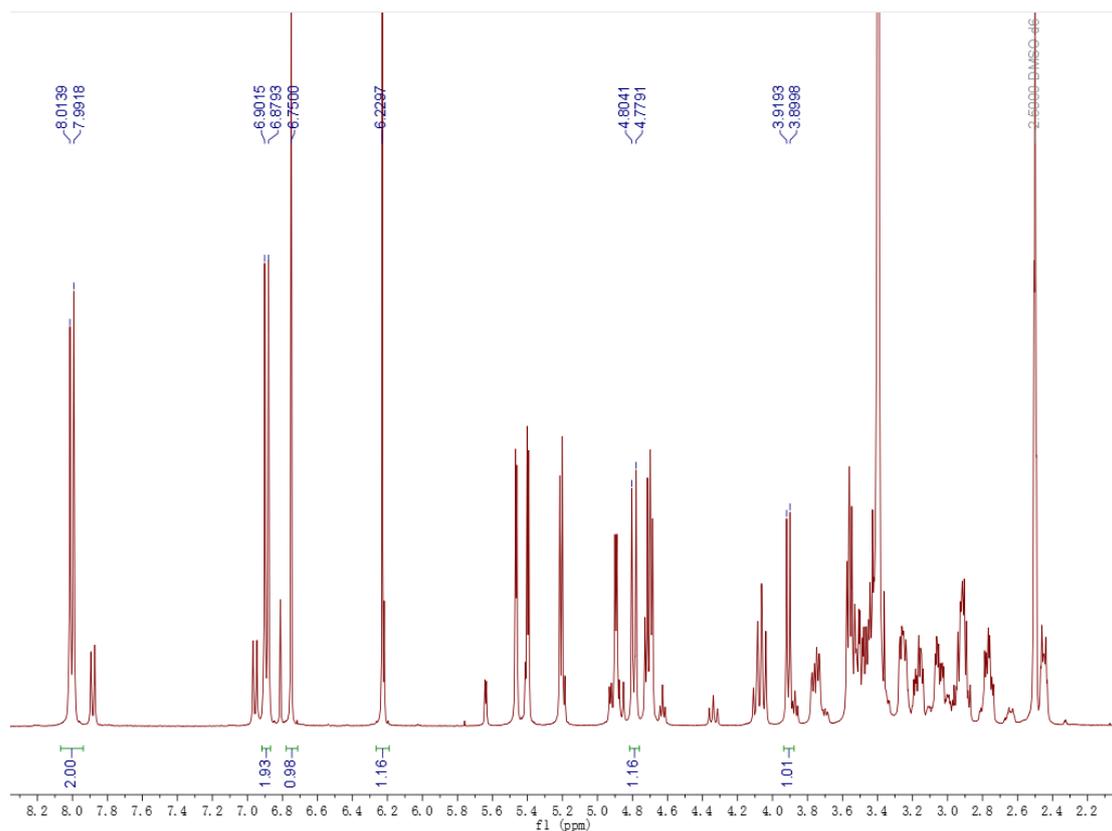


Figure S31: ^1H NMR spectrum of compound **16** in $\text{DMSO-}d_6$ (400 MHz)

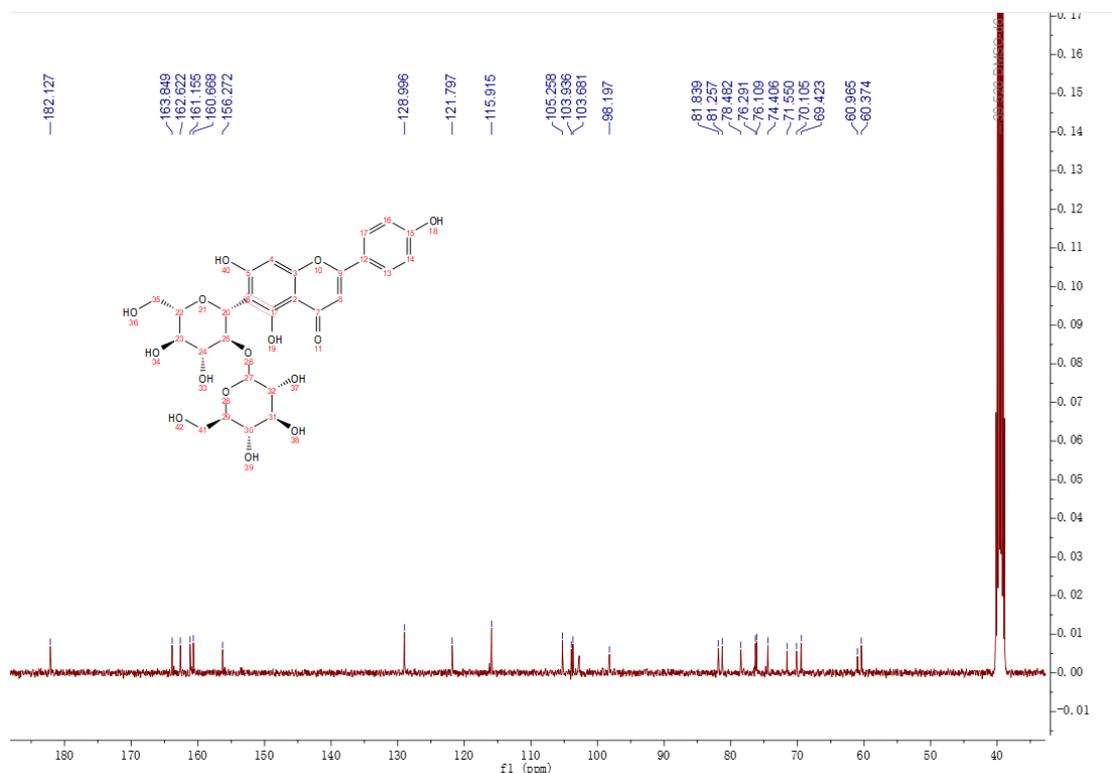


Figure S32: ^{13}C NMR spectrum of compound **16** in $\text{DMSO-}d_6$ (100 MHz)

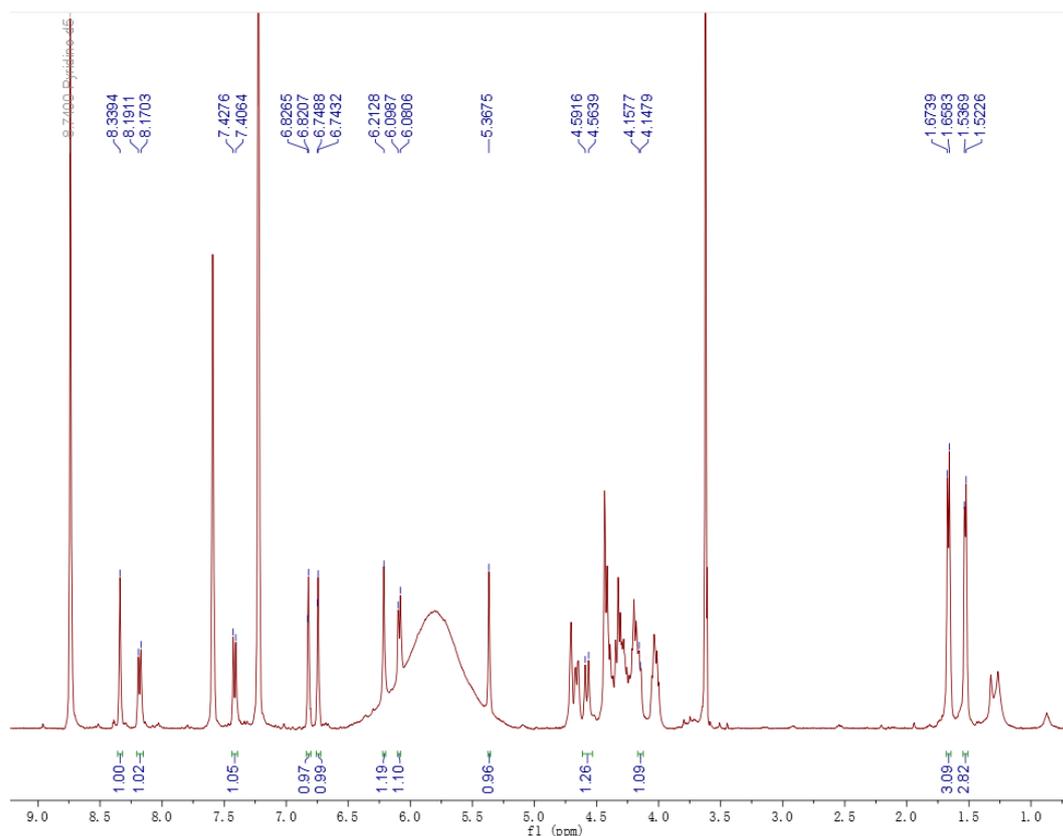


Figure S33: ^1H NMR spectrum of compound **17** in pyridine- d_5 (400 MHz)

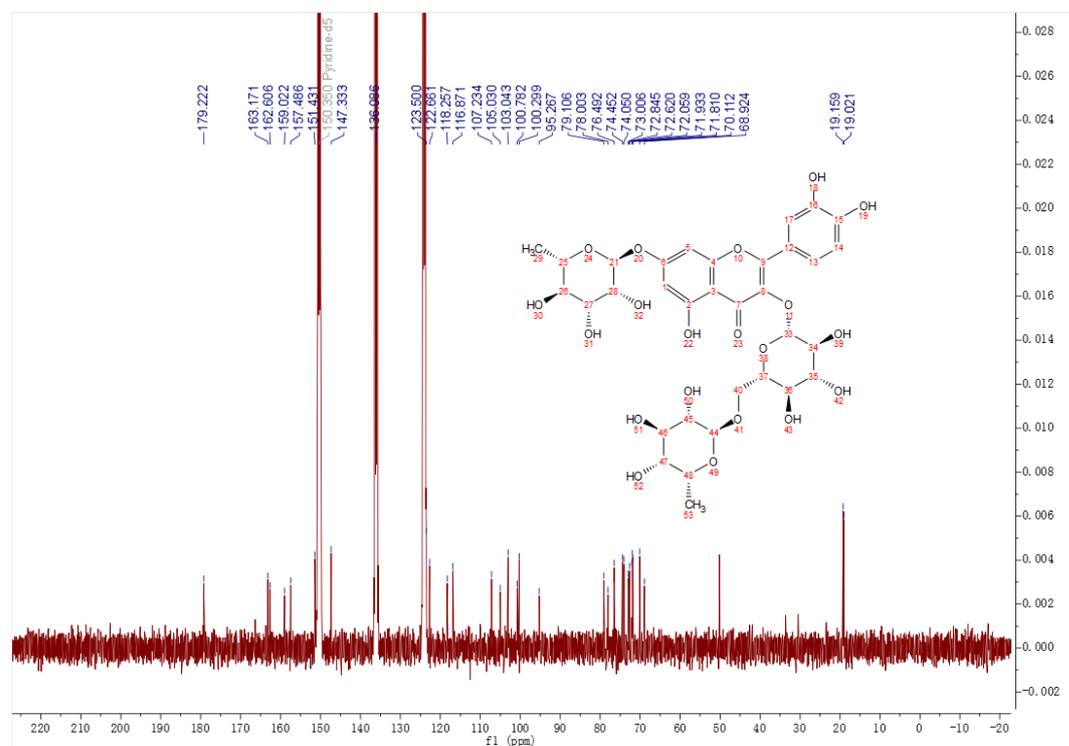


Figure S34: ^{13}C NMR spectrum of compound **17** in pyridine- d_5 (100 MHz)

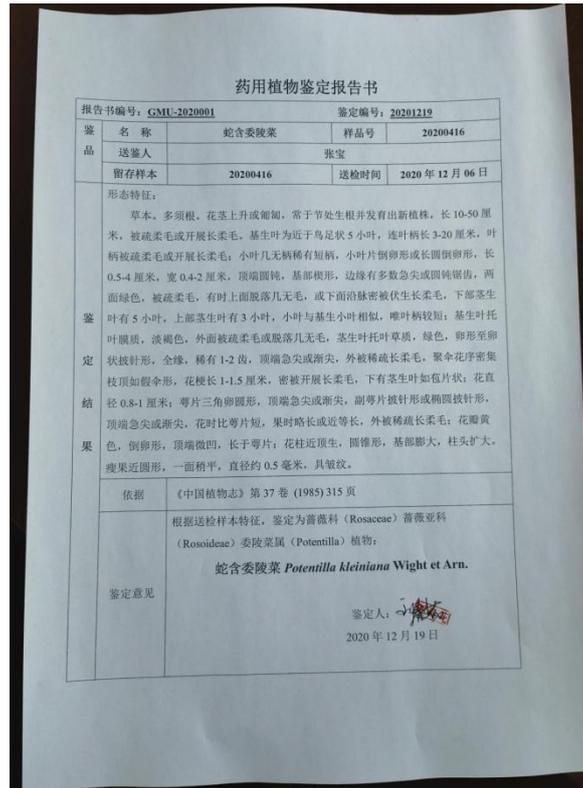


Figure S35: Identification Report of *Potentilla kleiniana* Wight & Arn



Figure S36: Geographic Coordinate Map of Field Collection Sites for *Potentilla kleiniana*