

1. The mass spectra of these four compounds (1, 2, 3, and 4).

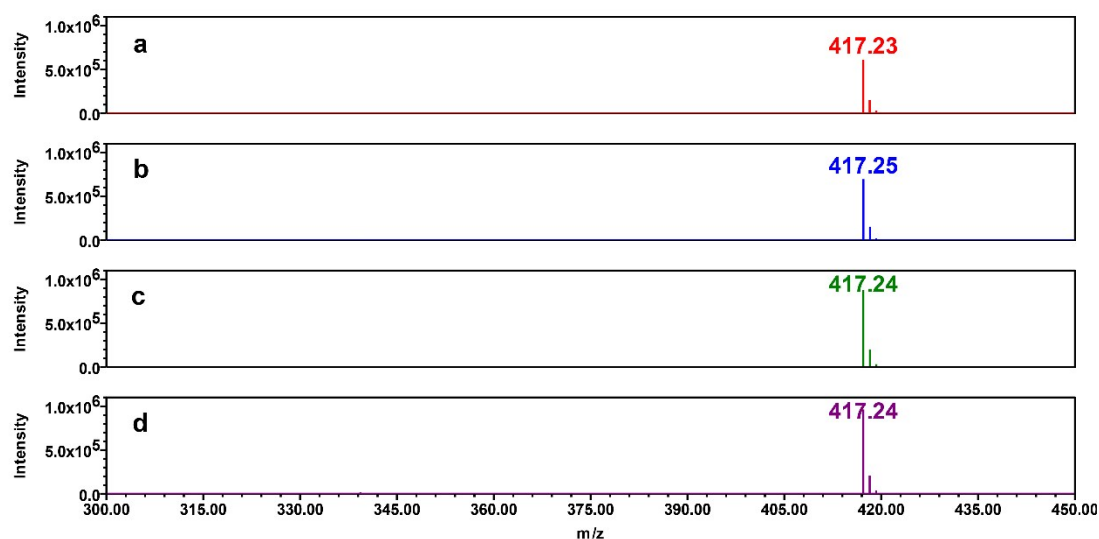


Fig. S1. The mass spectra of these four compounds (1, 2, 3, and 4) under low cone voltages (15 V) and negative ion mode by LC-MS. a: compound 3; b: compound 1; c: compound 4; d: compound 2.

2. UPLC chromatogram of four isomers compounds of *I. polycarpa* Maxim. leaves.

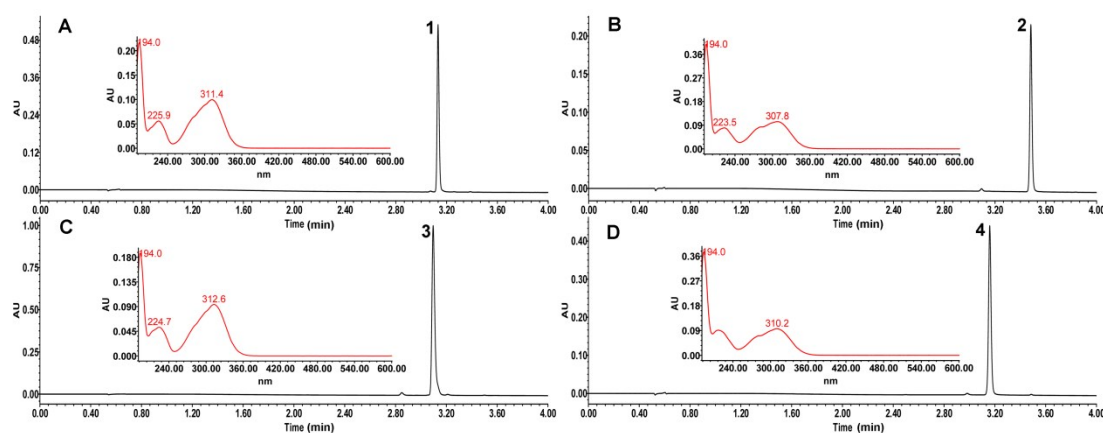


Fig. S2. UPLC chromatogram of four isomers compounds of *I. polycarpa* Maxim. leaves at 312 nm. The analytical conditions are the same as these in Fig. 1. (A):Compound 1; (B): Compound 2; (C): Compound 3; (D): Compound 4.

3. 1-[(6'-O-(*E*)-*p*-coumaroyl)-β-D-glucopyranosyl]-oxy-2-phenol (compound 1):

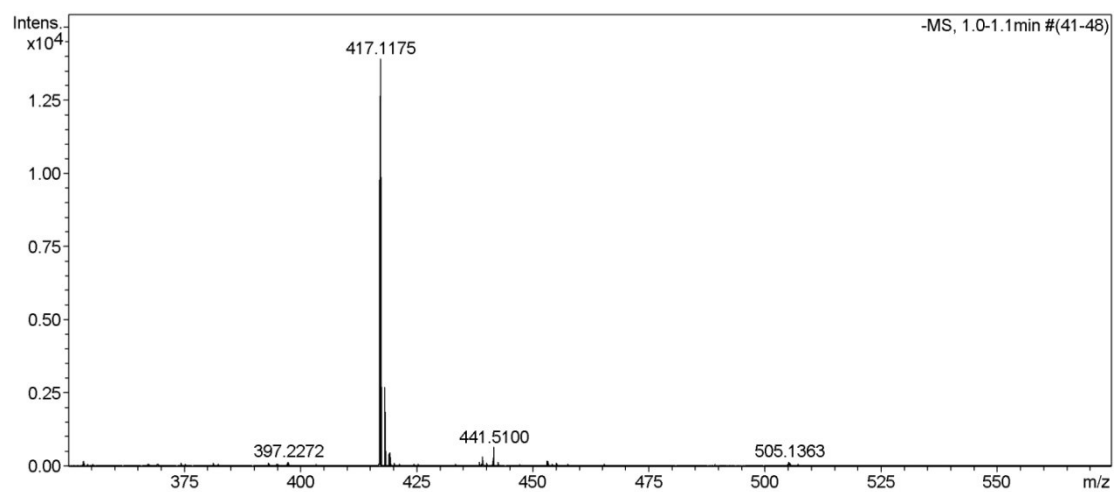


Fig. S3. 1 Compound 1, HRESI-MS data.

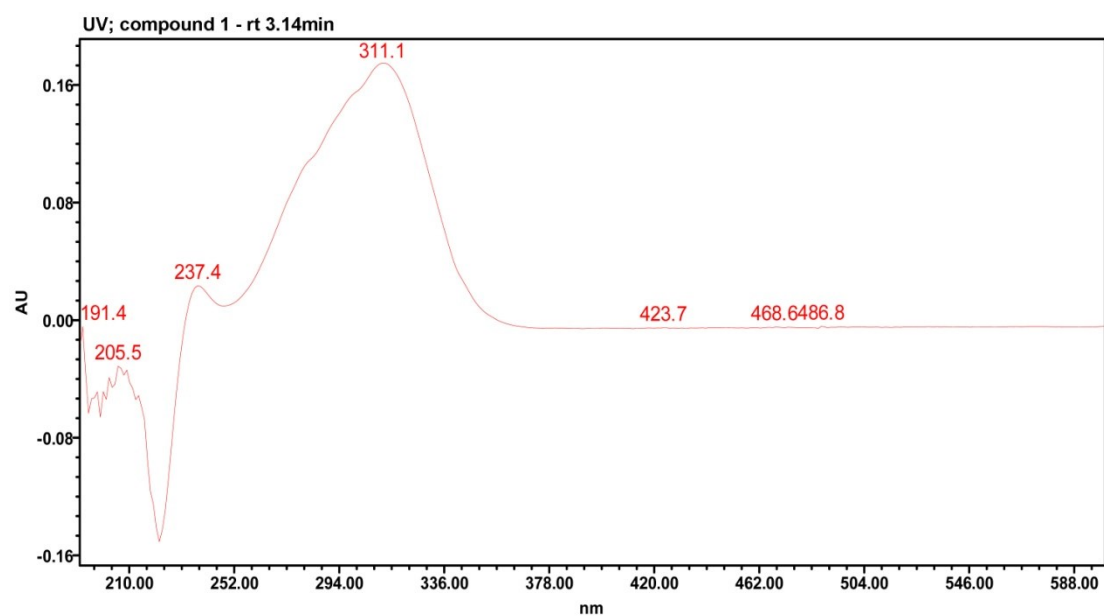


Fig. S3. 2 Compound 1, UV-Vis spectrum

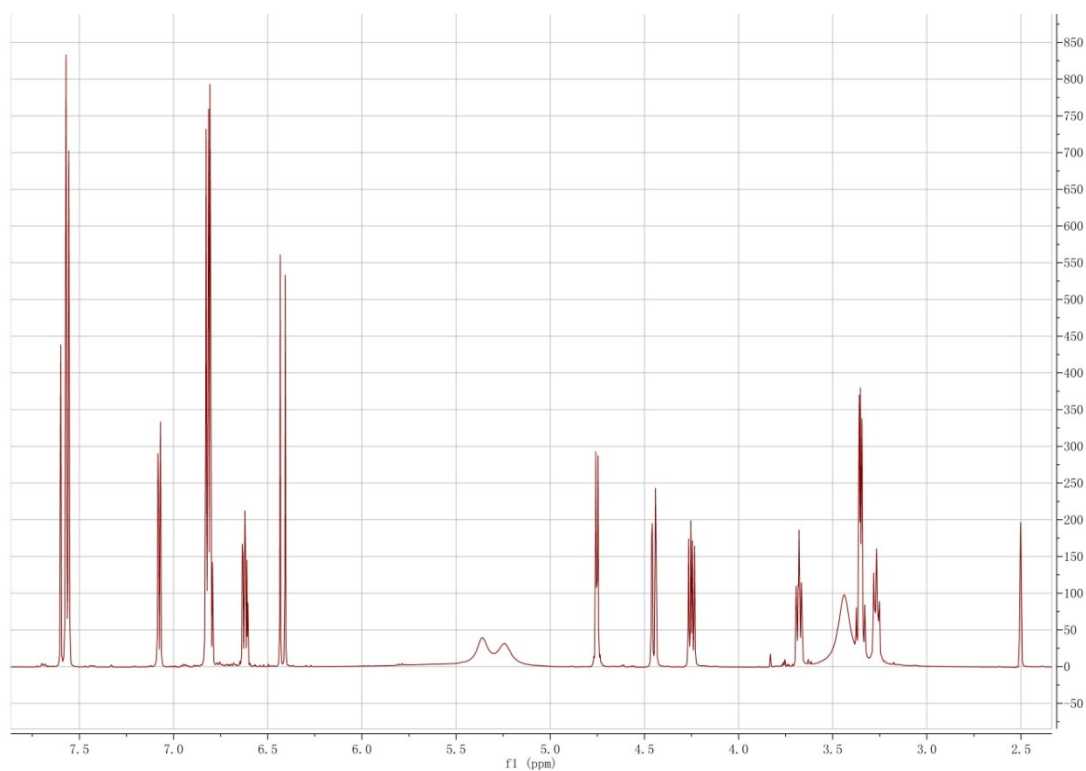


Fig. S3. 3 Compound 1, ^1H -NMR spectrum (600 MHz, $\text{DMSO}-d_6$).

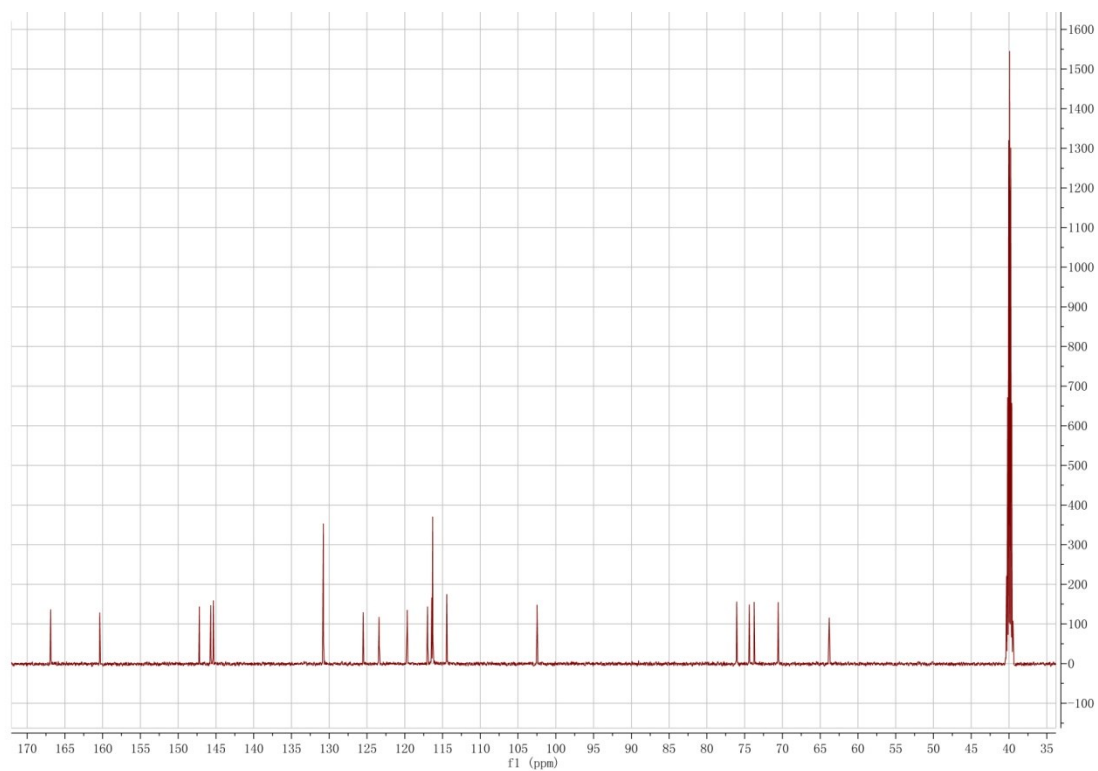


Fig. S3. 4 Compound 1, ^{13}C -NMR spectrum (150 MHz, $\text{DMSO}-d_6$).

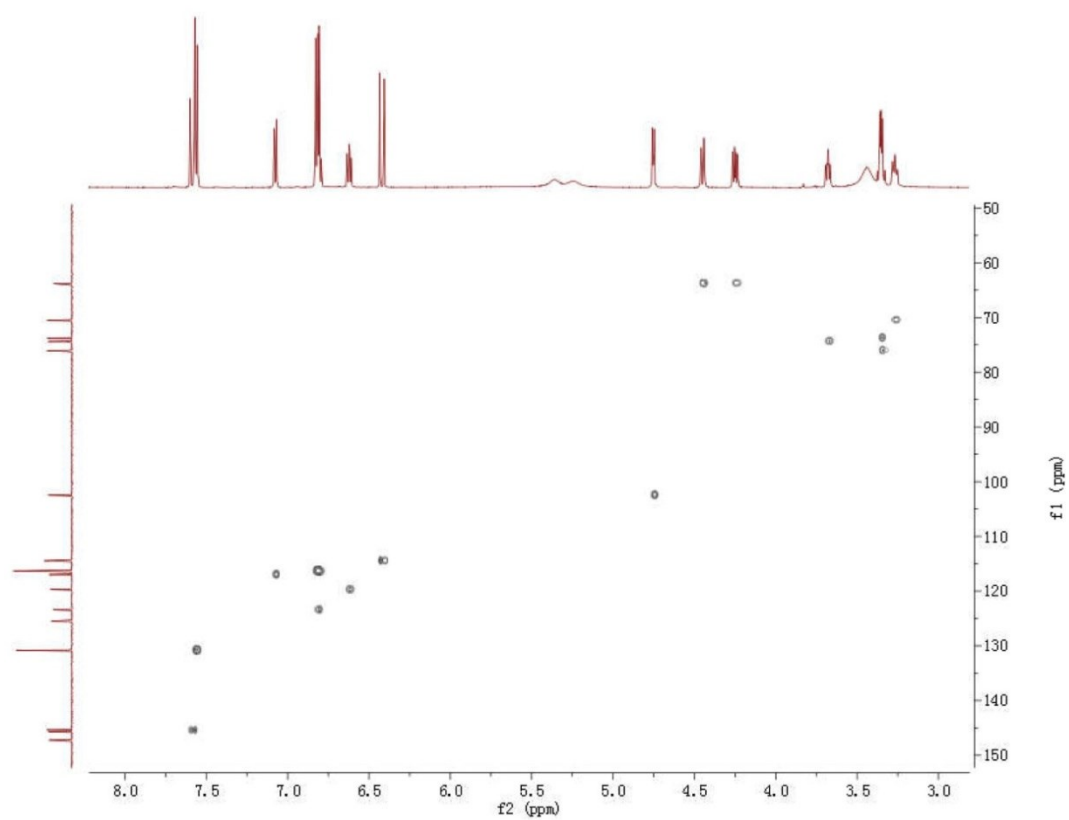
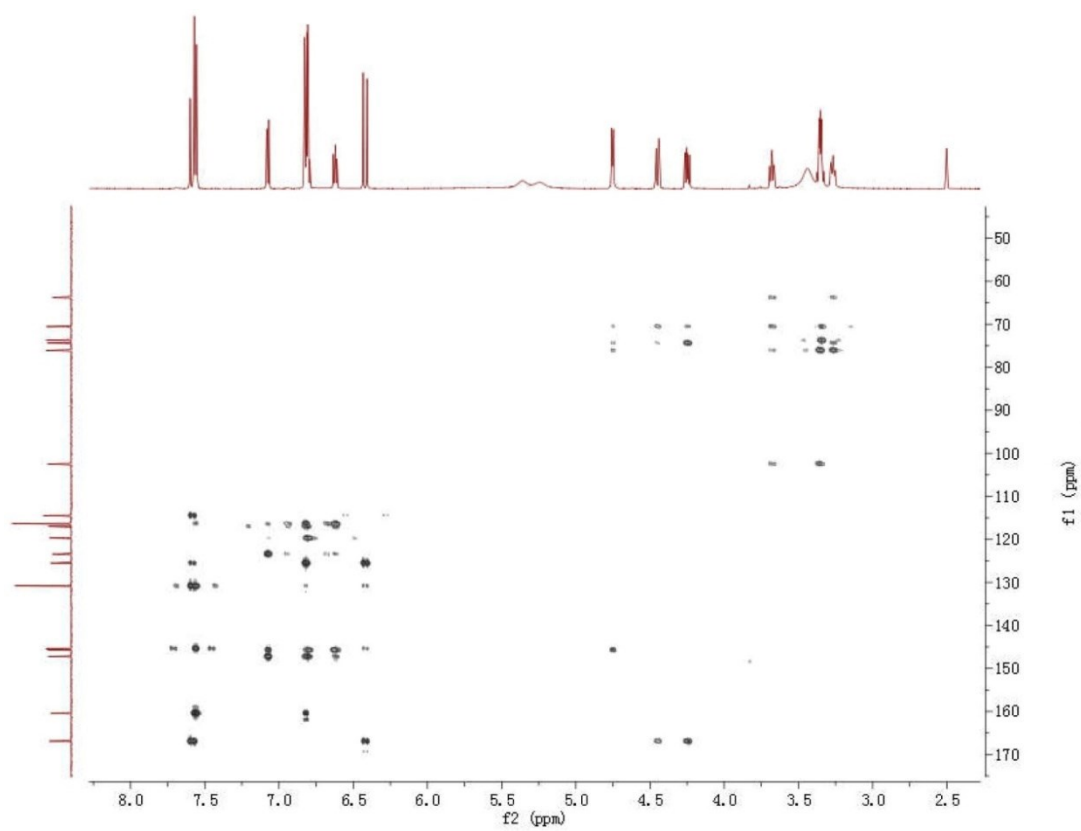


Fig. S3. 5 Compound 1, ^1H - ^{13}C HSQC spectrum (600 MHz, $\text{DMSO-}d_6$).



ig. S3. 6 Compound 1, ^1H - ^{13}C HMBC spectrum (600 MHz, $\text{DMSO-}d_6$).

4. 1-[(6'-*O*-(*Z*)-*p*-coumaroyl)- β -D-glucopyranosyl]-oxy-2-phenol (compound 2):

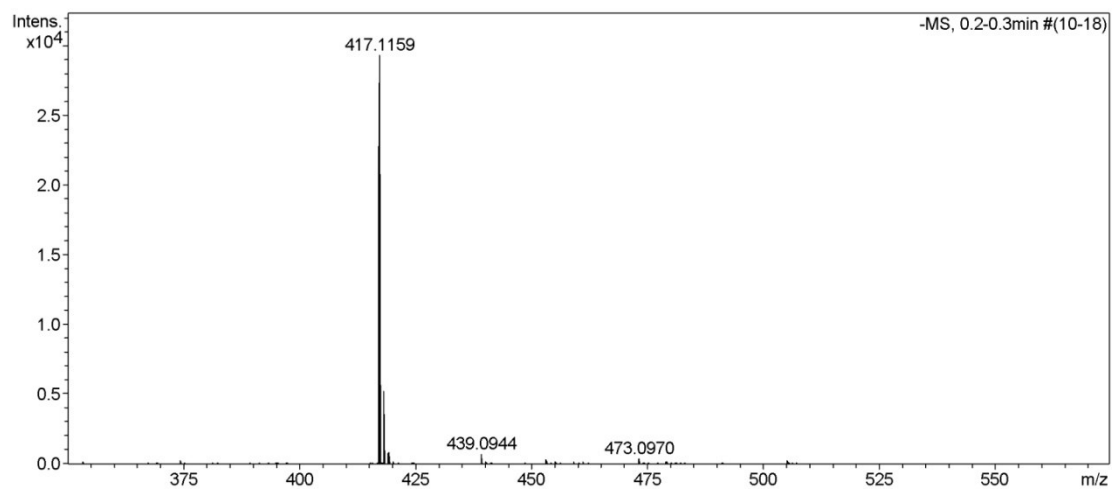


Fig. S4. 1 Compound 2, HRESI-MS data.

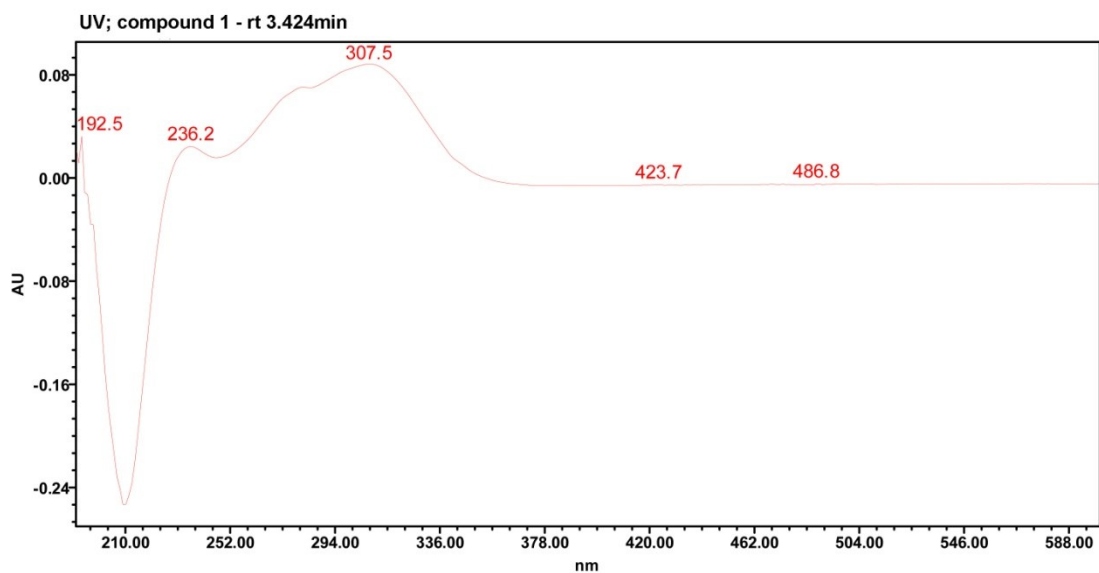


Fig. S4. 2 Compound 2, UV-Vis spectrum.

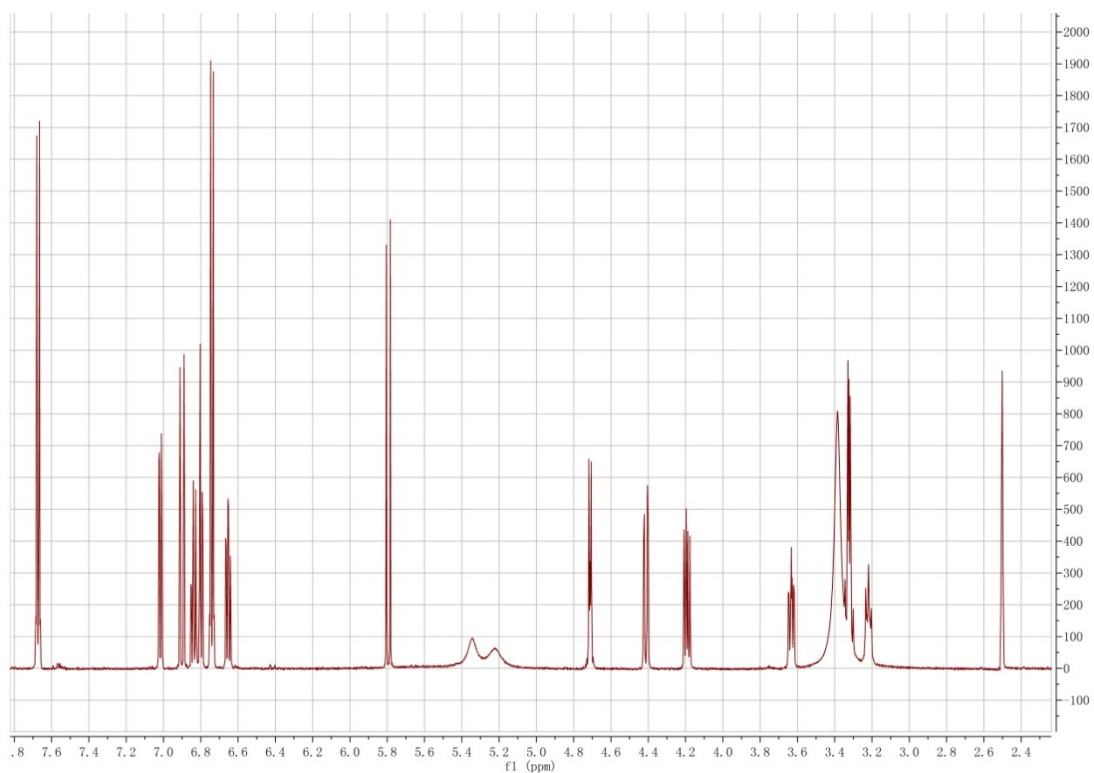


Fig. S4. 3 Compound 2, ¹H-NMR spectrum (600 MHz, DMSO-*d*₆).

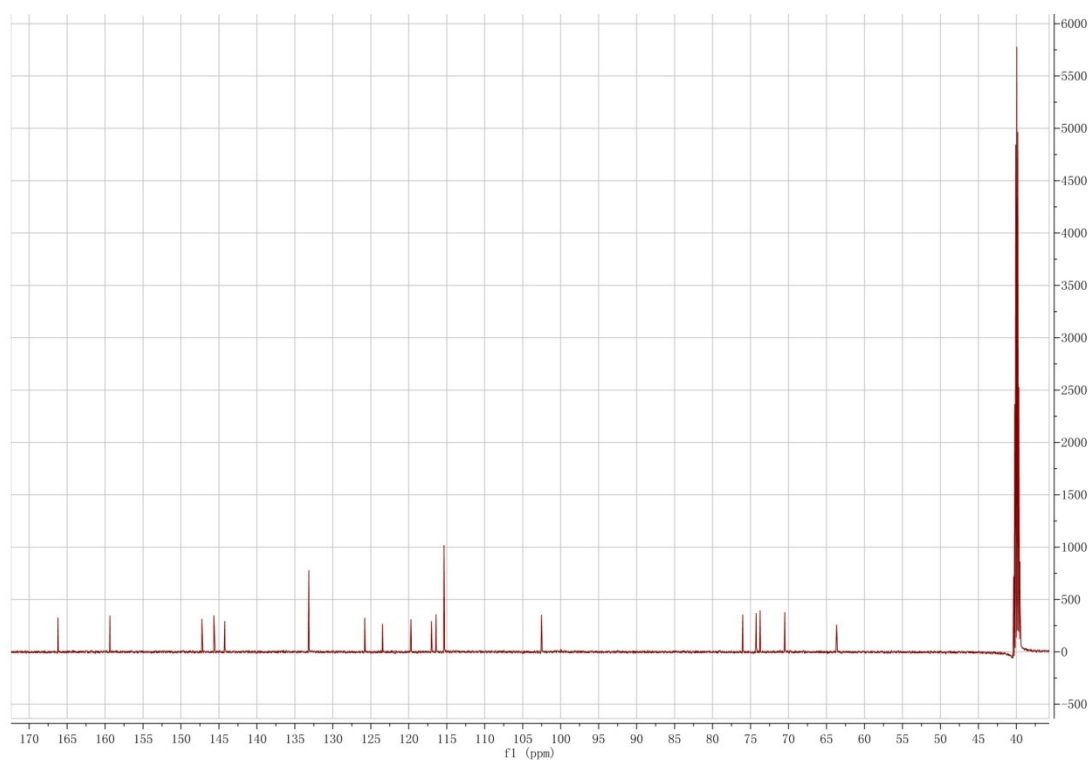


Fig. S4. 4 Compound 2, ¹³C-NMR spectrum (150 MHz, DMSO-*d*₆).

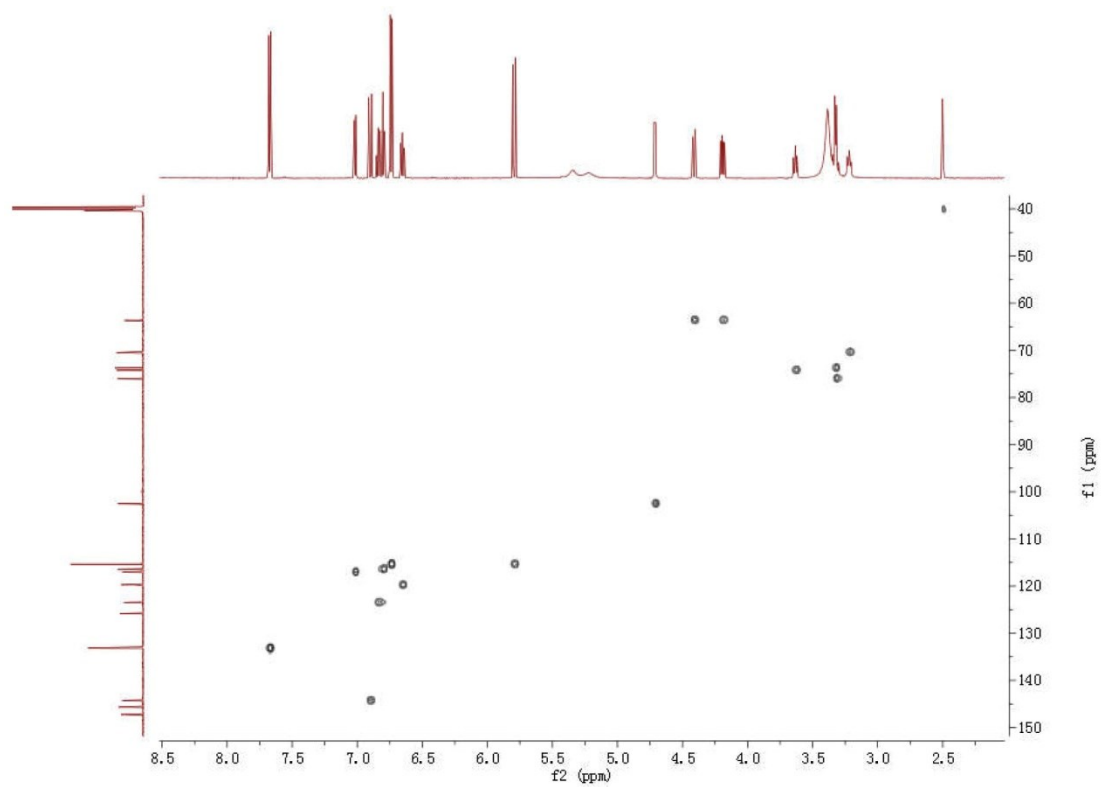


Fig. S4. 5 Compound 2, ^1H - ^{13}C HSQC spectrum (600 MHz, $\text{DMSO-}d_6$).

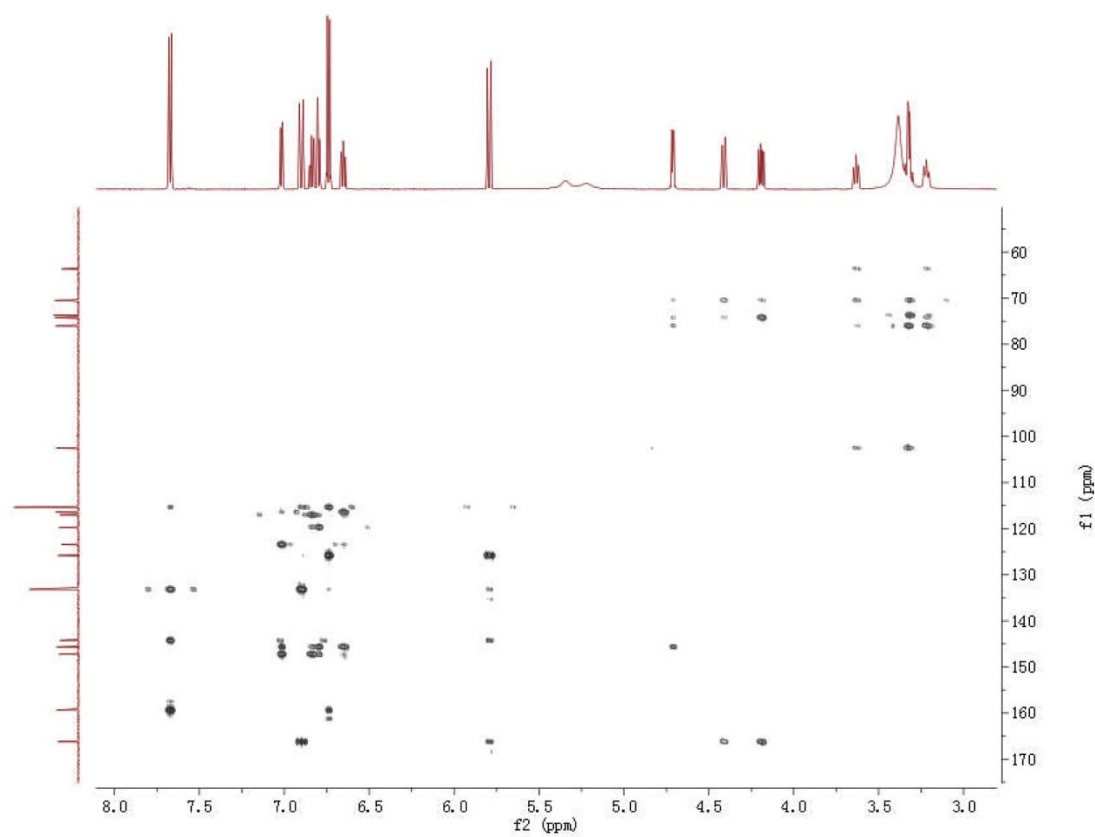


Fig. S4. 6 Compound 2, ^1H - ^{13}C HMBC spectrum (600 MHz, $\text{DMSO-}d_6$).

5. 1-[(4'-O-(*E*)-*p*-coumaroyl)- β -D-glucopyranosyl]-oxy-2-phenol (compound 3):

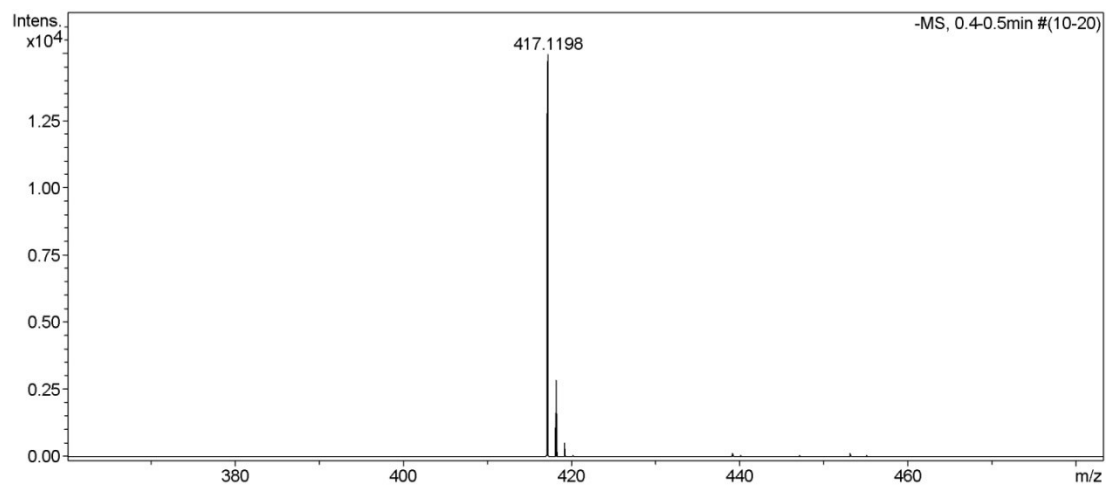


Fig. S5. 1 Compound 3, HRESI-MS data.

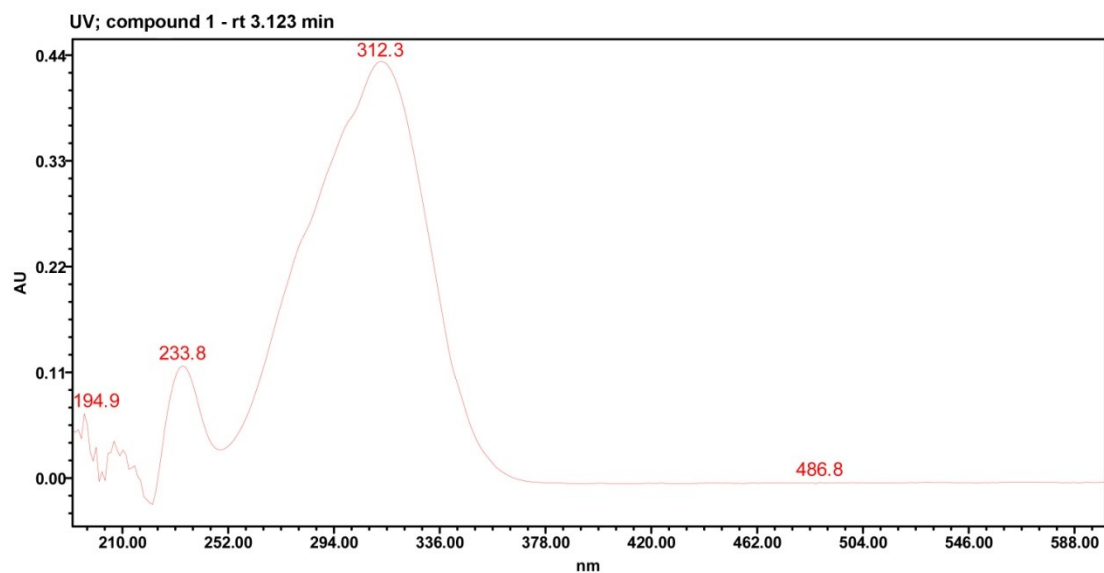


Fig. S5. 2 Compound 3, UV-Vis spectrum.

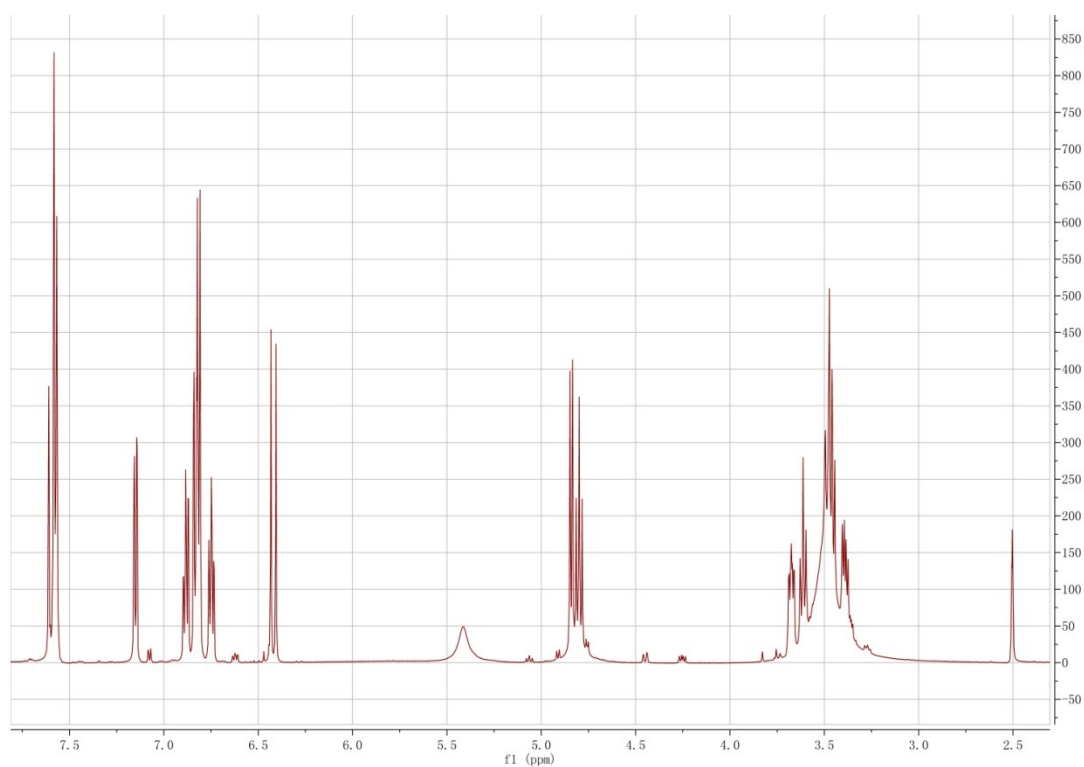


Fig. S5. 3 Compound 3, ^1H -NMR spectrum (600 MHz, $\text{DMSO}-d_6$).

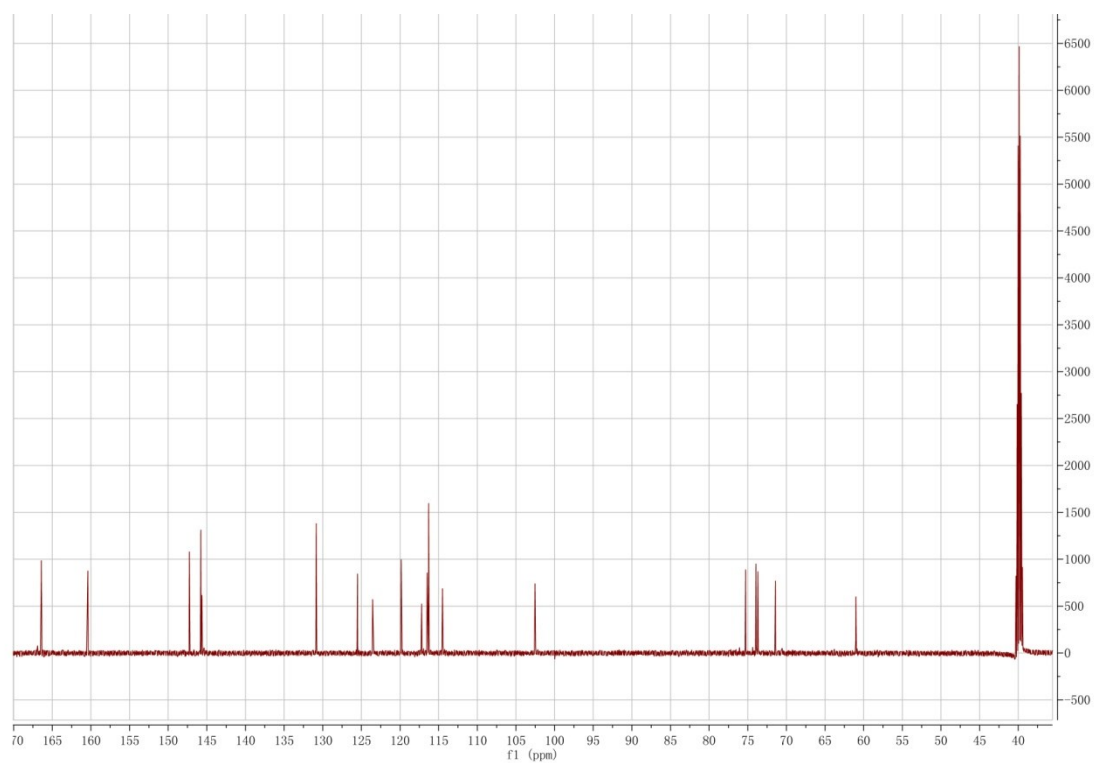


Fig. S5. 4 Compound 3, ^{13}C -NMR spectrum (150 MHz, $\text{DMSO}-d_6$).

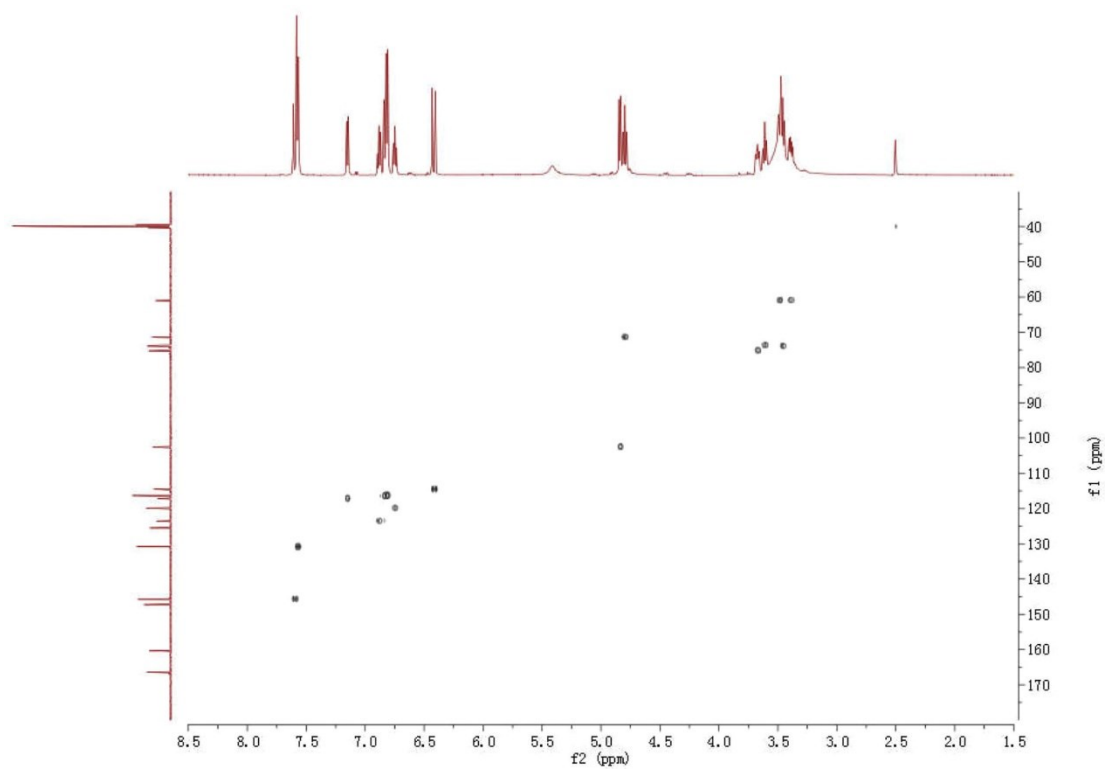


Fig. S5. 5 Compound 3, ^1H - ^{13}C HSQC spectrum (600 MHz, $\text{DMSO}-d_6$).

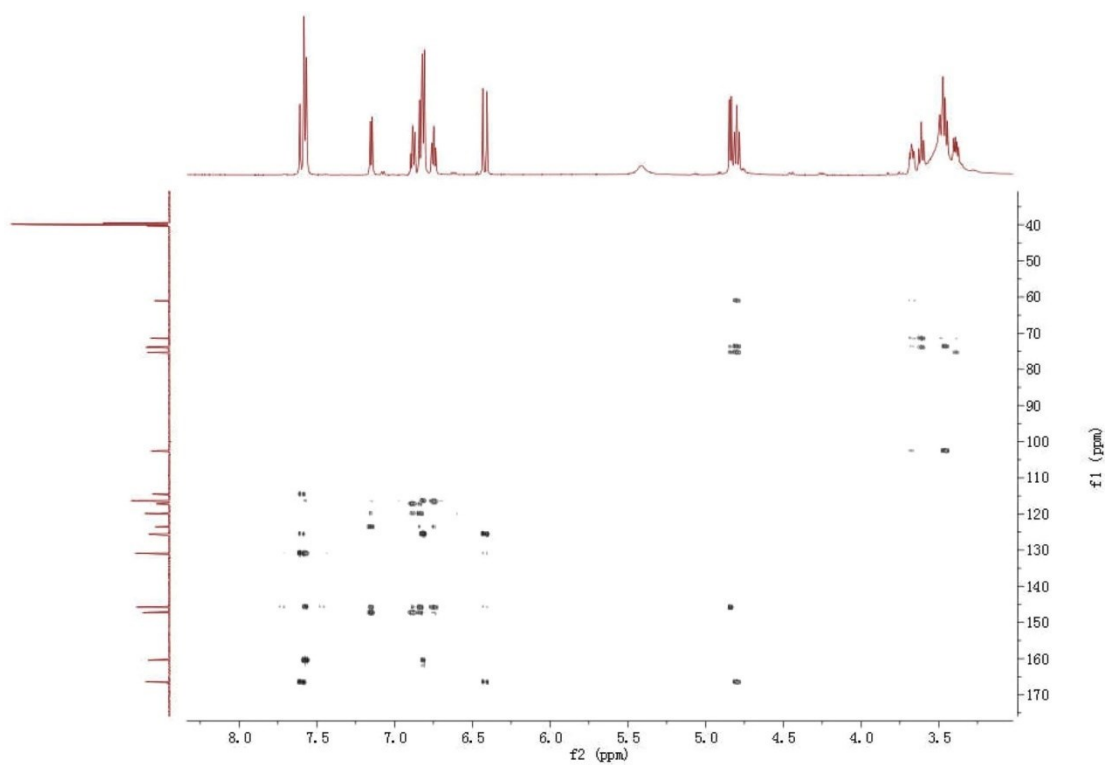


Fig. S5. 6 Compound 3, ^1H - ^{13}C HMBC spectrum (600 MHz, $\text{DMSO}-d_6$).

6. 1-[(4'-*O*-(*Z*)-*p*-coumaroyl)- β -D-glucopyranosyl]-oxy-2-phenol (compound 4):

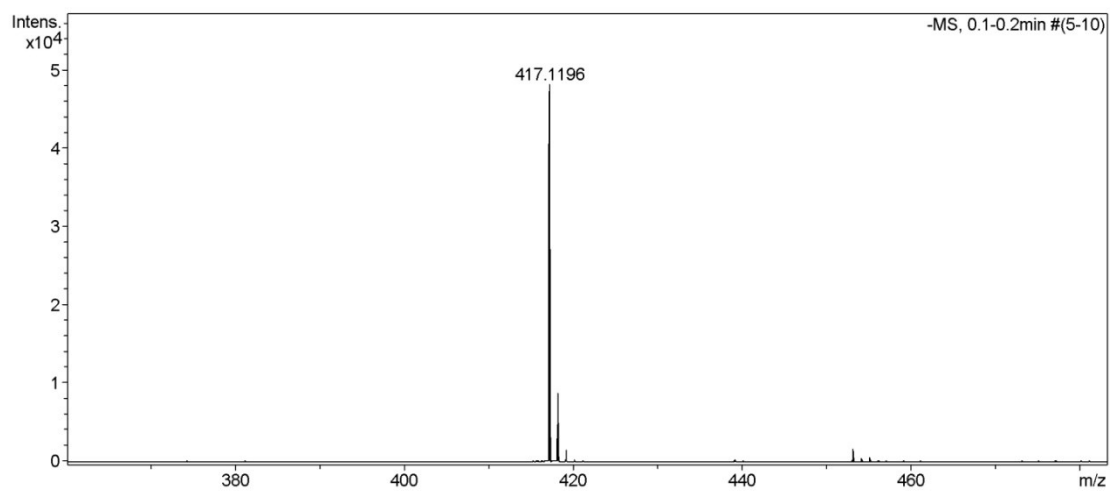


Fig. S6. 1 Compound 4, HRESI-MS data.

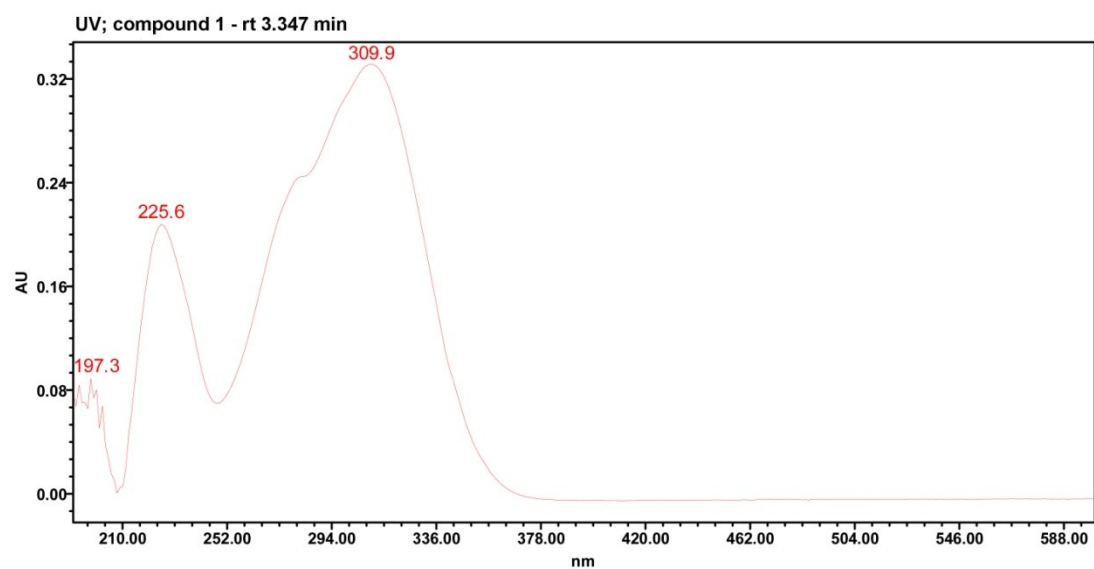


Fig. S6. 2 Compound 4, UV-Vis spectrum.

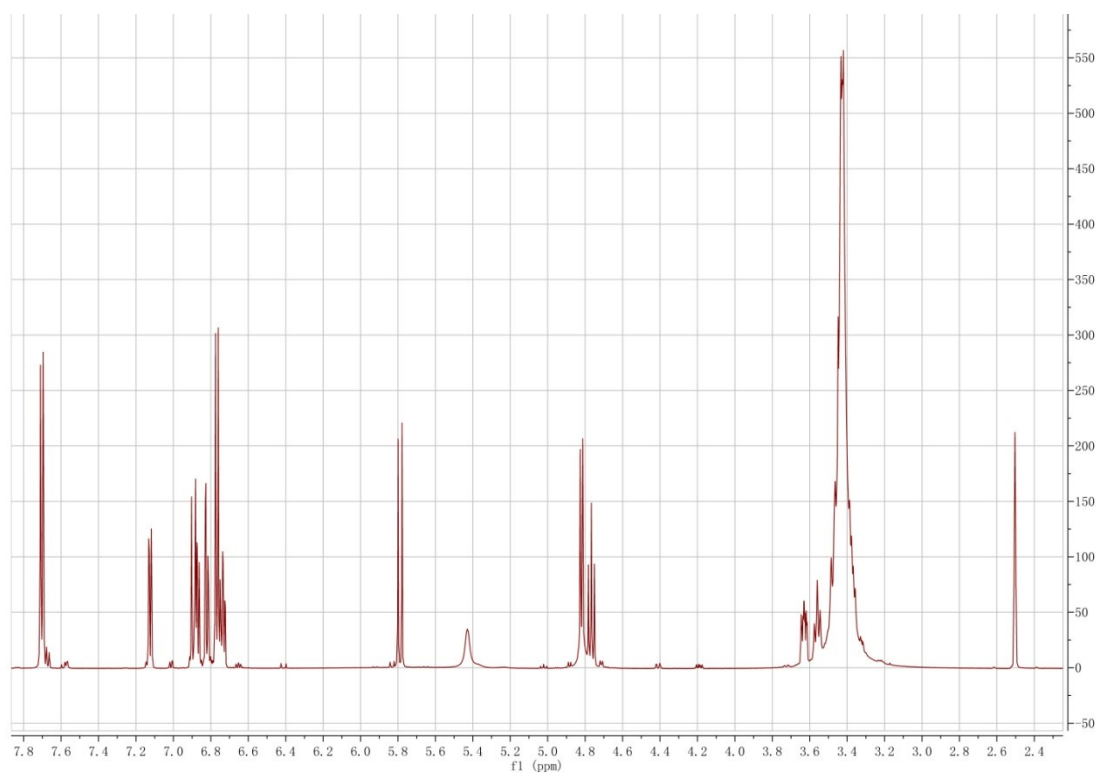


Fig. S6. 3 Compound 4, ¹H-NMR spectrum (600 MHz, DMSO-*d*₆).

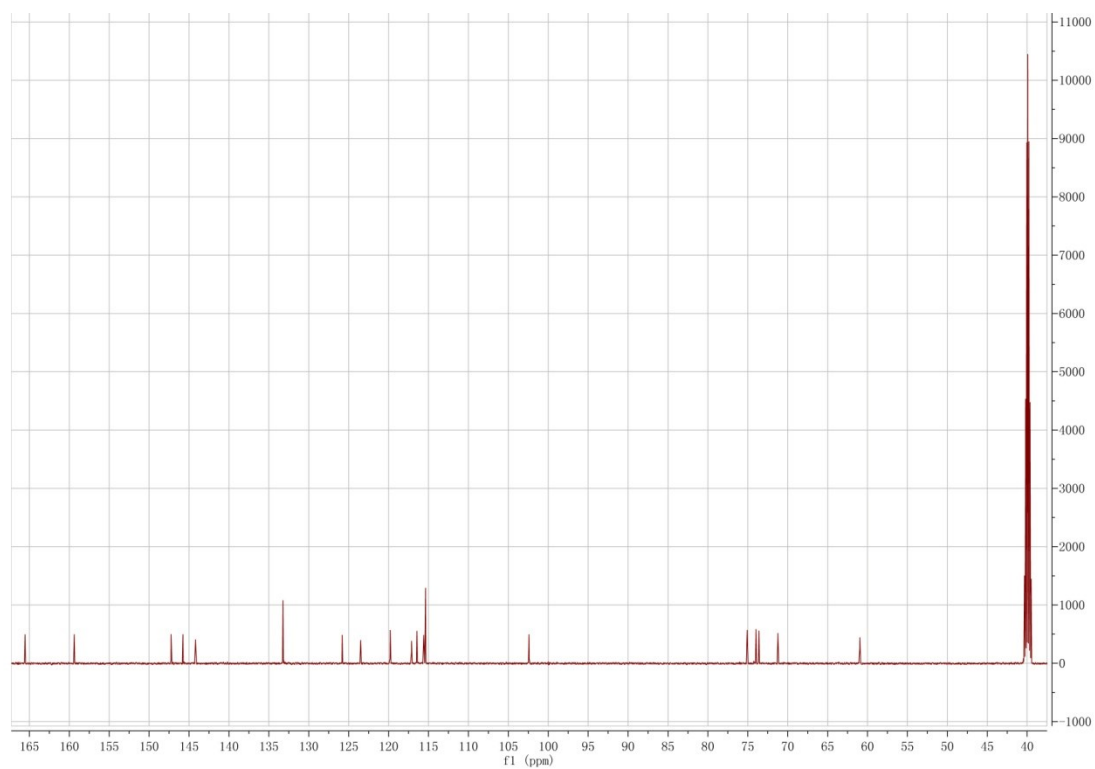


Fig. S6. 4 Compound 4, ¹³C-NMR spectrum (150 MHz, DMSO-*d*₆).

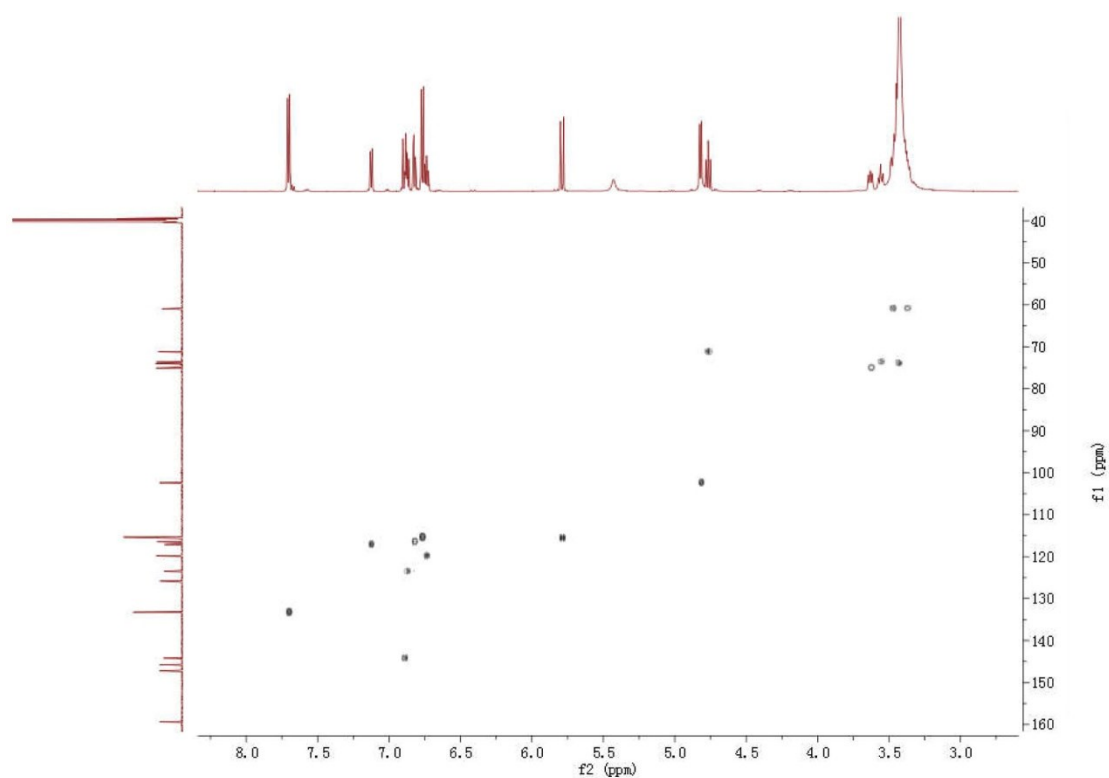


Fig. S6. 5 Compound 4, ^1H - ^{13}C HSQC spectrum (600 MHz, $\text{DMSO-}d_6$).

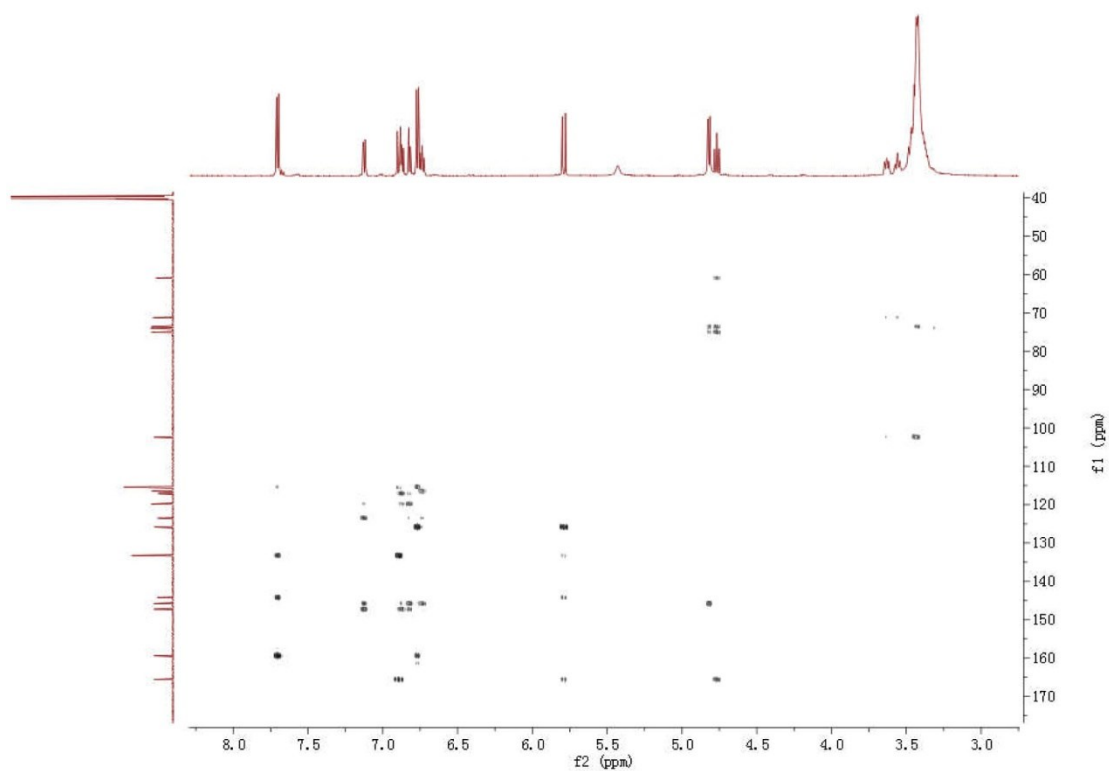


Fig. S6. 6 Compound 4, ^1H - ^{13}C HMBC spectrum (600 MHz, $\text{DMSO-}d_6$).

7. The structure of four isomers compounds of *I. polycarpa* Maxim. leaves.

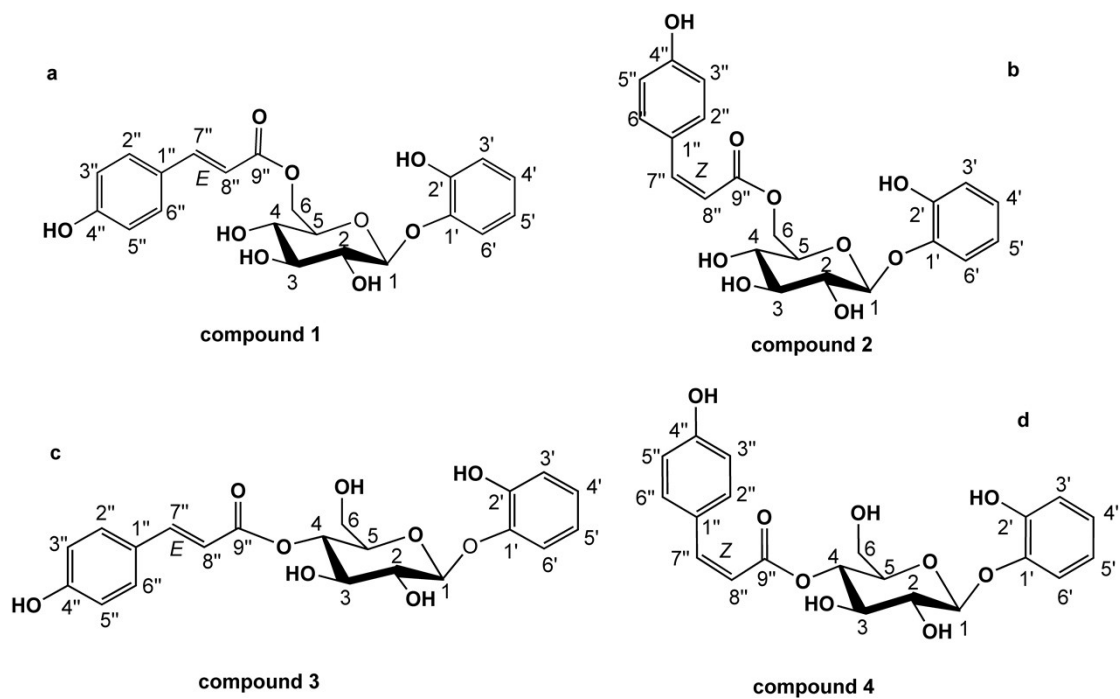


Fig. S7. Chemical structures of the four compounds. a, compound 1: 1-[(6'-O-(*E*)-*p*-coumaroyl)- β -D-glucopyranosyl]-oxy-2-phenol; b, compound 2: 1-[(6'-O-(*Z*)-*p*-coumaroyl)- β -D-glucopyranosyl]-oxy-2-phenol; c, compound 3: 1-[(4'-O-(*E*)-*p*-coumaroyl)- β -D-glucopyranosyl]-oxy-2-phenol; d, compound 4: 1-[(4'-O-(*Z*)-*p*-coumaroyl)- β -D-glucopyranosyl]-oxy-2-phenol.

8. The cell viability of HepG2 cells.

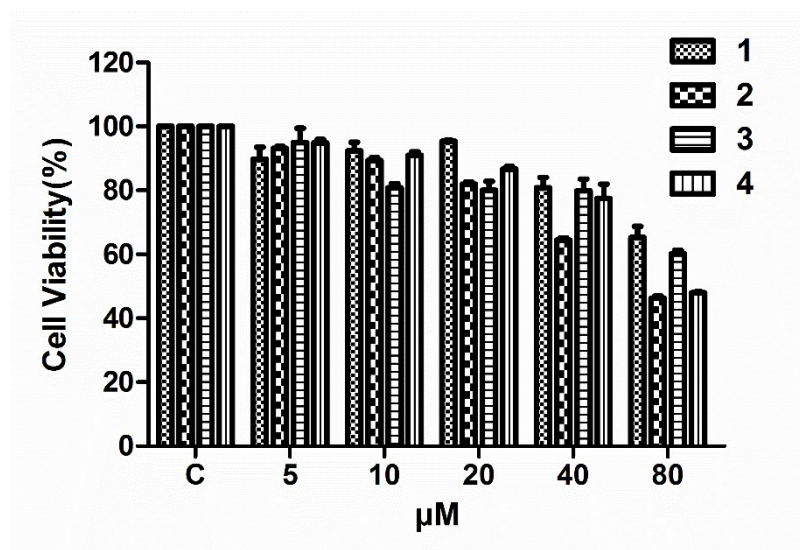


Fig. S8. The cell viability of HepG2 cells, the cells were treated with different concentrations of the four compounds (5, 10, 20, 40, and 80 μ M) for 24 h. C: control group; 1: compound 1; 2: compound 2; 3: compound 3; 4: compound 4. Data are shown as the mean $\pm$ SD of five independent experiments.