

Supplementary Data

Prenylfuranocoumarin-HMGA-flavonol glucoside conjugates and other constituents of the fruit peels of *Citrus hytrix* and their anticholinesterase activity

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Contents

- Fig. S1 ^1H -NMR spectrum of **1** in CDCl_3 (400 MHz)
- Fig. S2 J modulated ^{13}C -NMR spectrum of **1** in CDCl_3 (100 MHz)
- Fig. S3 ^1H -NMR spectrum of **2** in CDCl_3 - CD_3OD (15:1 v/v) (400 MHz)
- Fig. S4 J modulated ^{13}C -NMR spectrum of **2** in CDCl_3 - CD_3OD (15:1 v/v) (100 MHz)
- Fig. S5 ^1H -NMR spectrum of **3** in CDCl_3 - CD_3OD (15:1 v/v) (400 MHz)
- Fig. S6 J modulated ^{13}C -NMR spectrum of **3** in CDCl_3 - CD_3OD (15:1 v/v) (100 MHz)
- Fig. S7 ^1H -NMR spectrum of **4** in CDCl_3 - CD_3OD (20:1 v/v) (400 MHz)
- Fig. S8 J modulated ^{13}C -NMR spectrum of **4** in CDCl_3 - CD_3OD (20:1 v/v) (100 MHz)
- Fig. S9 ^1H -NMR spectrum of **5** in CDCl_3 - CD_3OD (20:1 v/v) (400 MHz)
- Fig. S10 J modulated ^{13}C -NMR spectrum of **5** in CDCl_3 - CD_3OD (20:1 v/v) (100 MHz)
- Fig. S11 ^1H -NMR spectrum of **6** in CDCl_3 - CD_3OD (10:1 v/v) (400 MHz)
- Fig. S12 J modulated ^{13}C -NMR spectrum of **6** in CDCl_3 - CD_3OD (10:1 v/v) (100 MHz)
- Fig. S13 ^1H -NMR spectrum of **7** in CD_3OD (400 MHz)
- Fig. S14 J modulated ^{13}C -NMR spectrum of **7** in CD_3OD (100 MHz)
- Fig. S15 ^1H -NMR spectrum of **8** in CDCl_3 - CD_3OD (15:1 v/v) (400 MHz)
- Fig. S16 J modulated ^{13}C -NMR spectrum of **8** in CDCl_3 - CD_3OD (15:1 v/v) (100 MHz)
- Fig. S17 ^1H -NMR spectrum of **9** in CD_3OD (400 MHz)
- Fig. S18 J modulated ^{13}C -NMR spectrum of **9** in CD_3OD (100 MHz)
- Fig. S19 ^1H -NMR spectrum of **10** in CDCl_3 - CD_3OD (15:1 v/v) (400 MHz)
- Fig. S20 J modulated ^{13}C -NMR spectrum of **10** in CDCl_3 - CD_3OD (15:1 v/v) (100 MHz)
- Fig. S21 ^1H -NMR spectrum of **11** in CDCl_3 - CD_3OD (10:1 v/v) (400 MHz)
- Fig. S22 J modulated ^{13}C -NMR spectrum of **11** in CDCl_3 - CD_3OD (10:1 v/v) (100 MHz)

Fig. S23 ^1H -NMR spectrum of **12** in CD_3OD (400 MHz)

Fig. S24 ^1H -NMR spectrum of **12** in CD_3OD (800 MHz)

Fig. S25 J -modulated ^{13}C -NMR spectrum of **12** in CD_3OD (100 MHz)

Fig. S26 ^1H -NMR spectrum of **13** in CDCl_3 - CD_3OD (15:1 v/v) (400 MHz)

Fig. S27 J -modulated ^{13}C -NMR spectrum of **13** in CDCl_3 - CD_3OD (15:1 v/v) (100 MHz)

Fig. S28 ^1H -NMR spectrum of **14** in CD_3OD (800 MHz)

Fig. S29 HSQC spectrum of **14** in CD_3OD (800 MHz)

Fig. S30 HSBC spectrum of **14** in CD_3OD (800 MHz)

Fig. S31 ^1H -NMR spectrum of **15** in CD_3OD (800 MHz)

Fig. S32 HSQC spectrum of **15** in CD_3OD (800 MHz)

Fig. S33 HSBC spectrum of **15** in CD_3OD (800 MHz)

Fig. S34 Overlaid ^1H -NMR spectra of **14** and **15** in CD_3OD (800 MHz)

Fig. S35 ^1H -NMR spectrum of **16** in CD_3OD (800 MHz)

Fig. S36 HSQC spectrum of **16** in CD_3OD (800 MHz)

Fig. S37 HSBC spectrum of **16** in CD_3OD (800 MHz)

Fig. S1 ^1H -NMR spectrum of **1** in CDCl_3 Bruker (400 MHz)

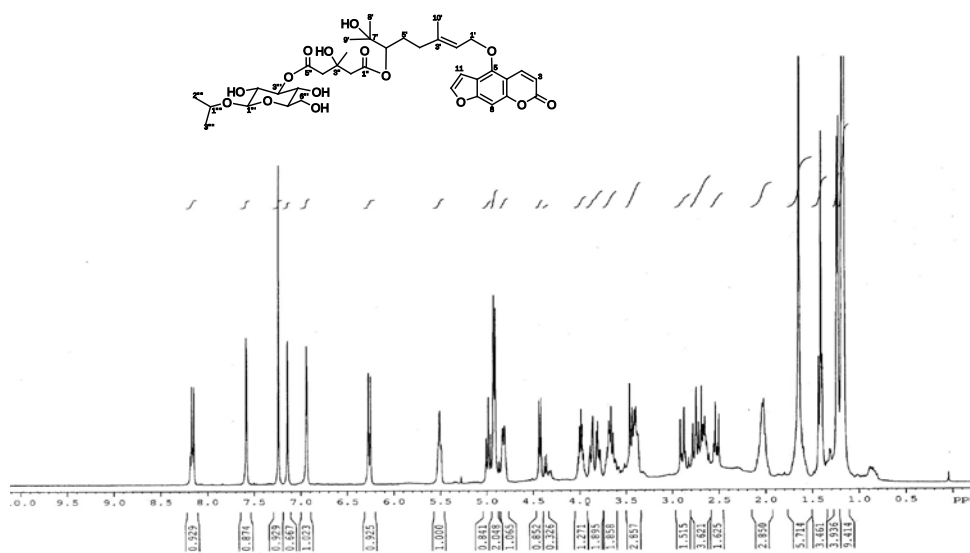


Fig. S2 J -modulated ^{13}C -NMR spectrum of **1** in CDCl_3 Bruker (100 MHz)

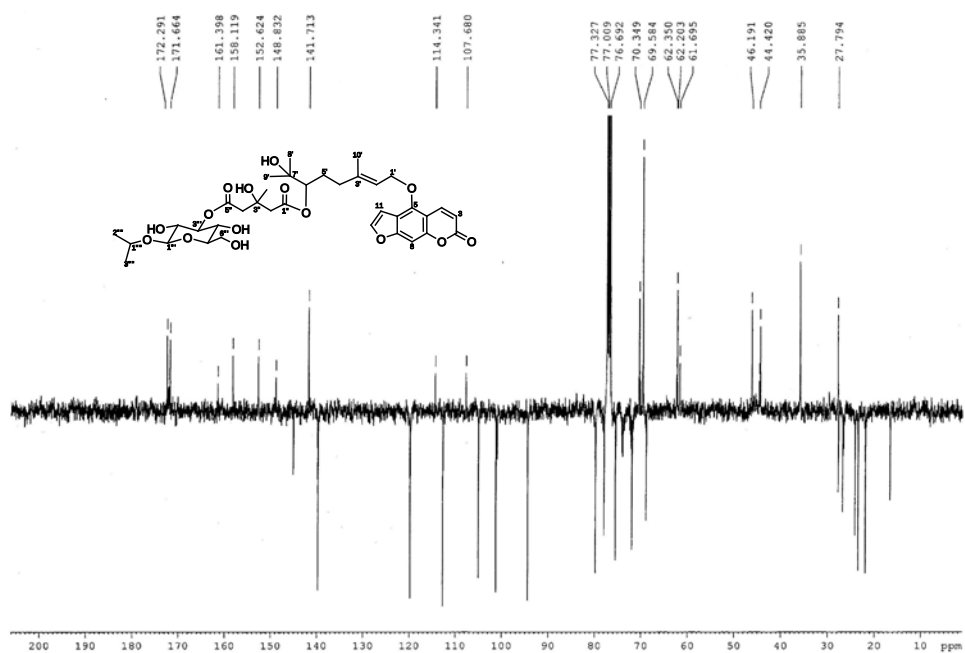


Fig. S3 ^1H -NMR spectrum of 2 in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (15:1 v/v) Bruker (400 MHz)

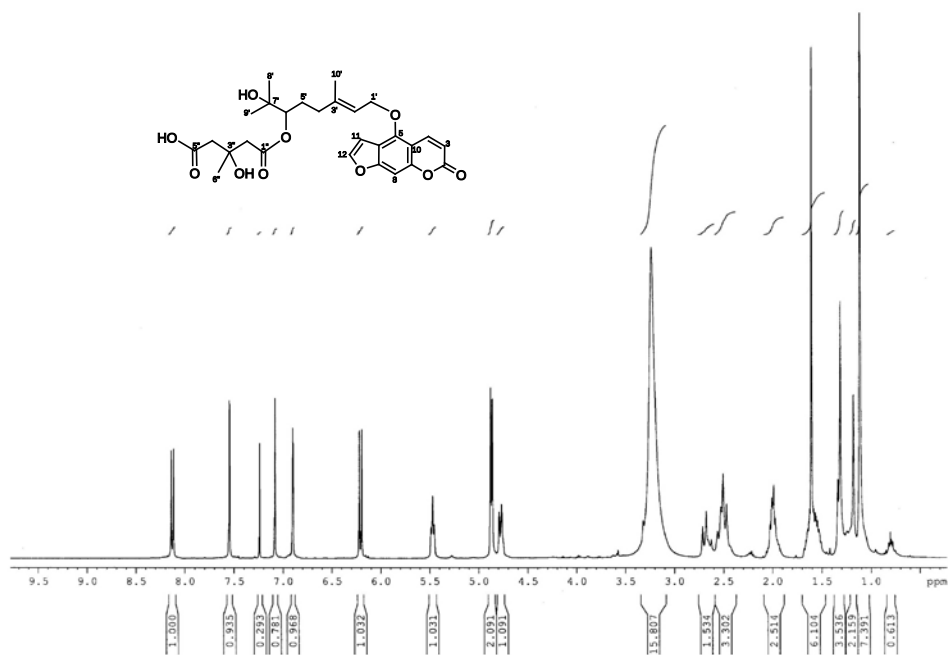


Fig. S4 J -modulated ^{13}C -NMR spectrum of 2 in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (15:1 v/v) Bruker (100 MHz)

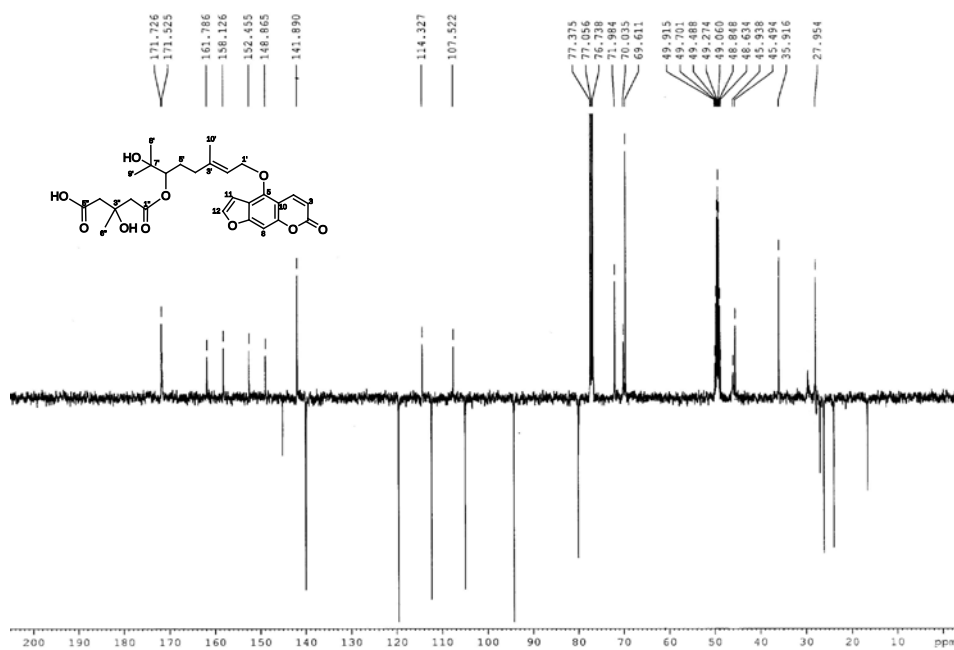


Fig. S5 ^1H -NMR spectrum of **3** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (15:1 v/v) Bruker (400 MHz)

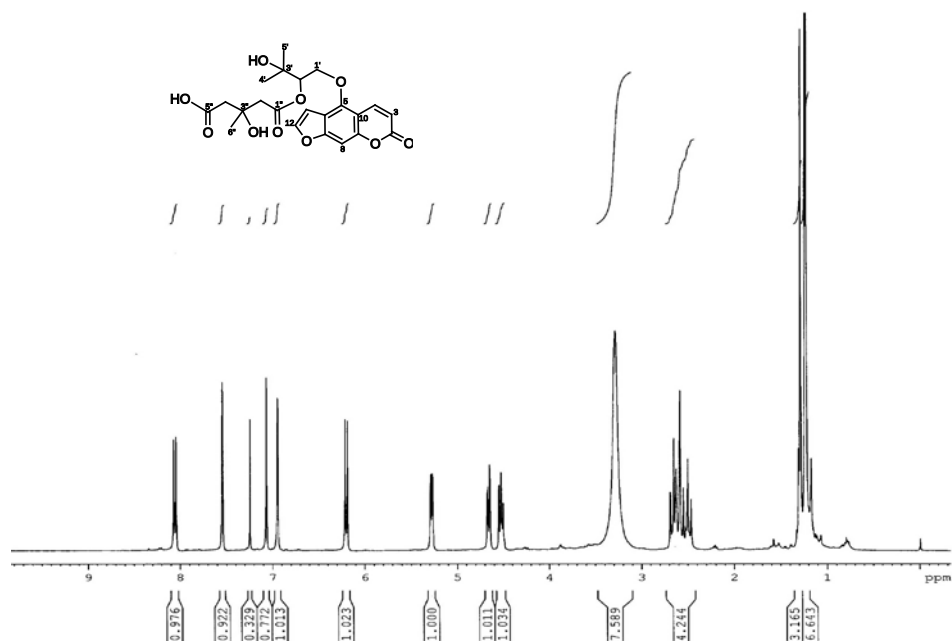


Fig. S6 Jmodulated ^{13}C -NMR spectrum of **3** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (15:1 v/v) Bruker (100 MHz)

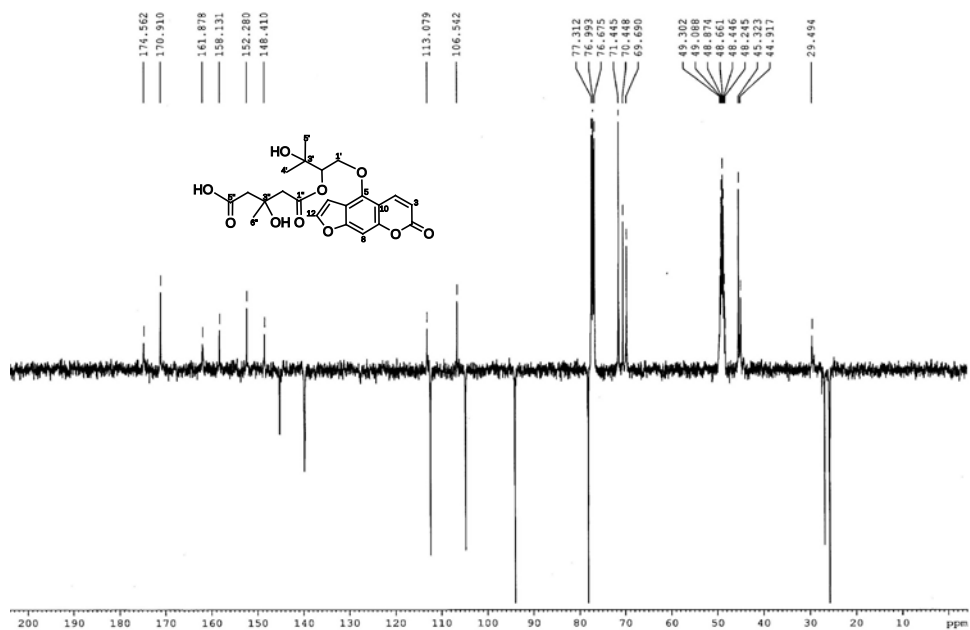


Fig. S7 ^1H -NMR spectrum of **4** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (20:1 v/v) Bruker (400 MHz)

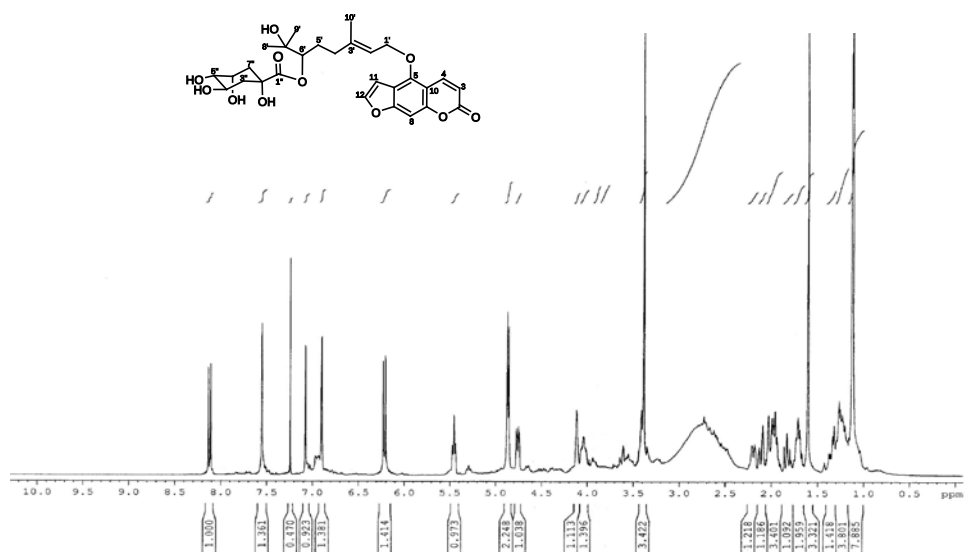


Fig. S8 J modulated ^{13}C -NMR spectrum of **4** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (20:1 v/v) Bruker (100 MHz)

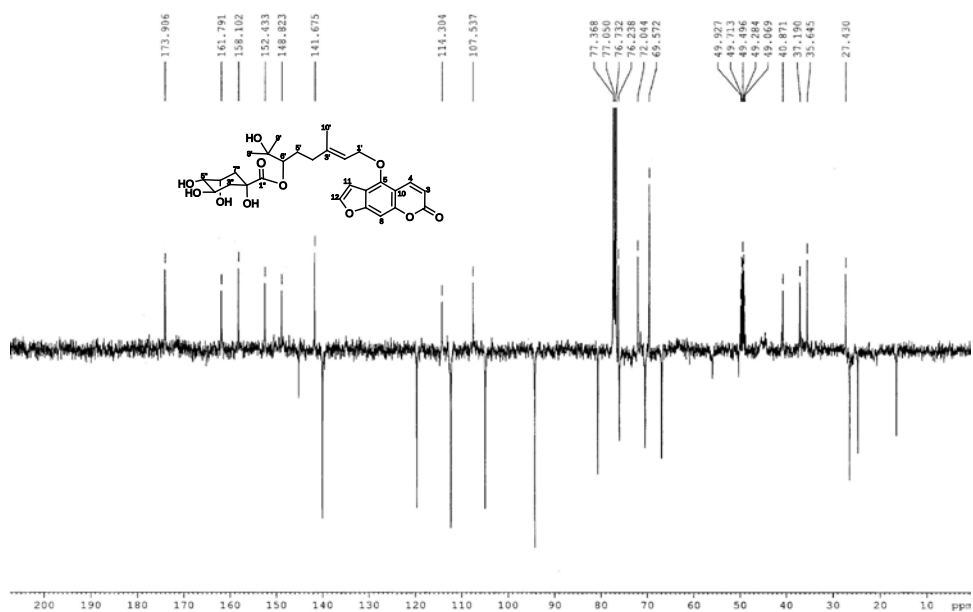


Fig. S9 ^1H -NMR spectrum of **5** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (20:1 v/v) Bruker (400 MHz)

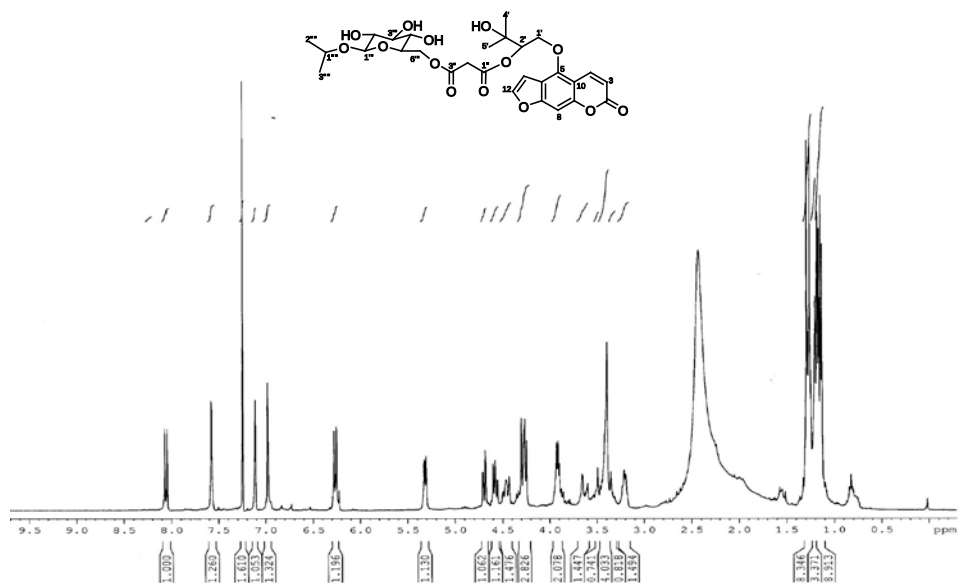


Fig. S10 J -modulated ^{13}C -NMR spectrum of **5** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (20:1 v/v) Bruker (100 MHz)

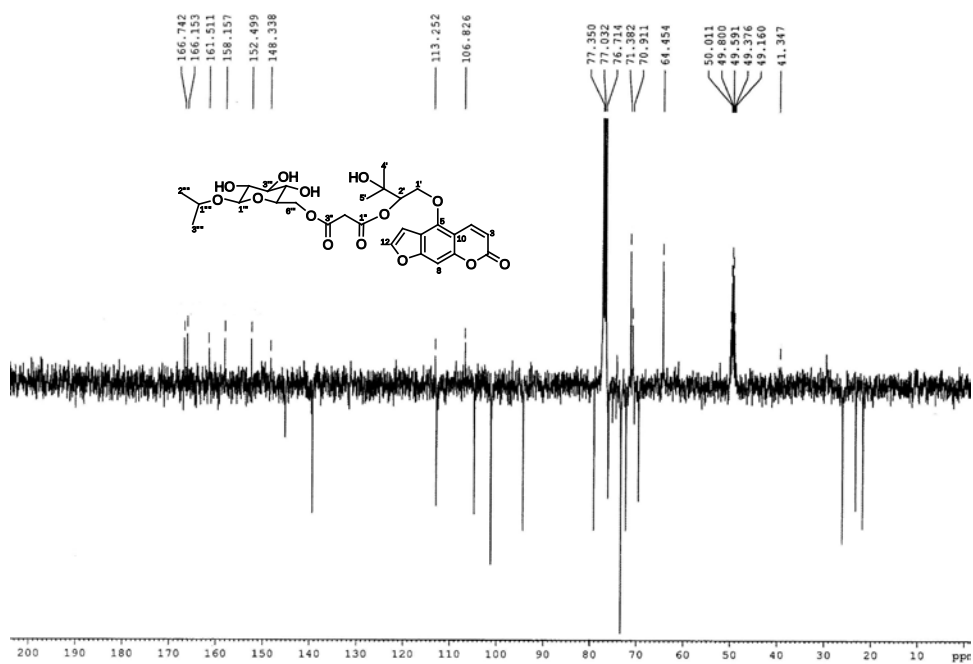


Fig. S11 ^1H -NMR spectrum of **6** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (10:1 v/v) Bruker (400 MHz)

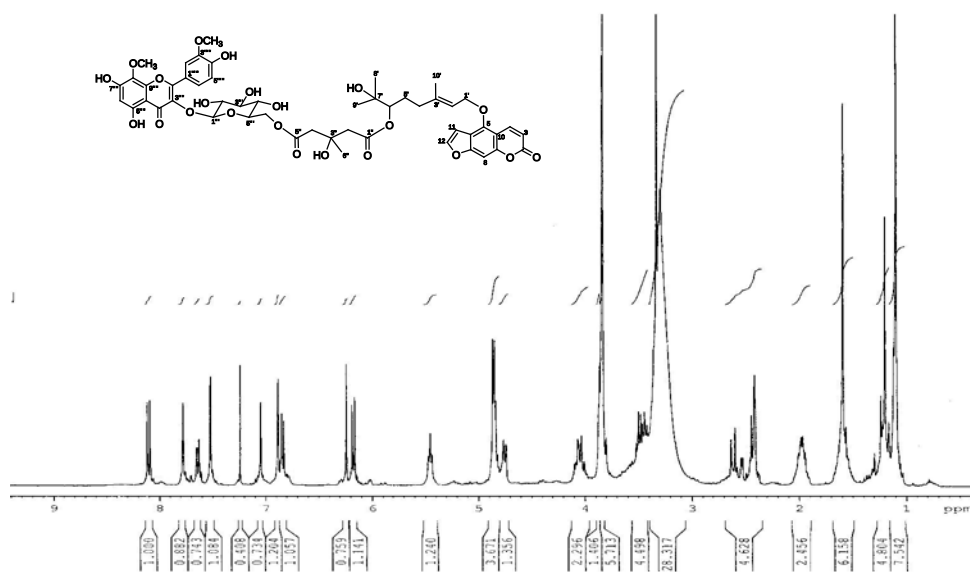


Fig. S12 J modulated ^{13}C -NMR spectrum of **6** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (10:1 v/v) Bruker (100 MHz)

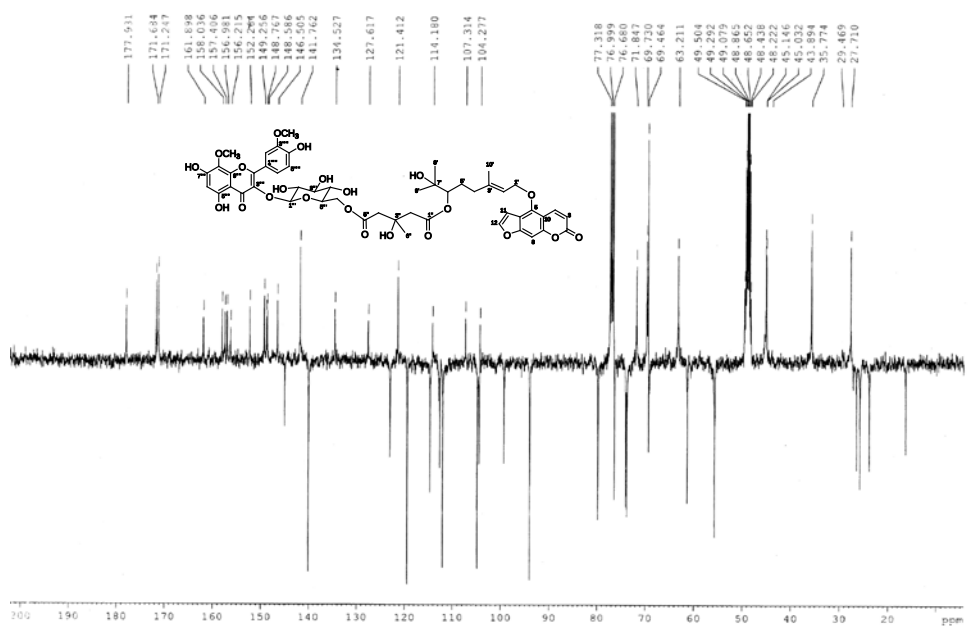


Fig. S13 ^1H -NMR spectrum of **7** in CD_3OD Bruker (400 MHz)

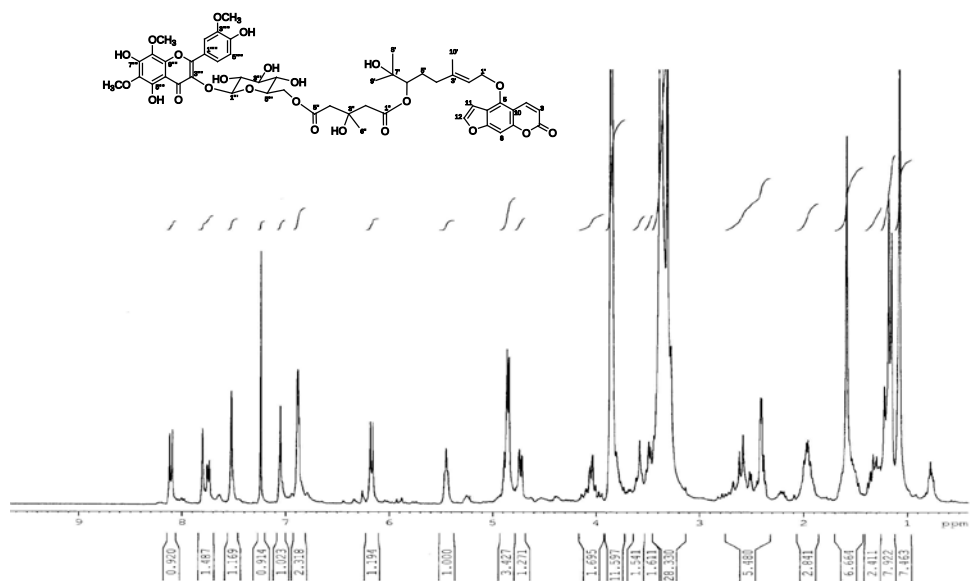


Fig. S14 Jmodulated ^{13}C -NMR spectrum of **7** in CD_3OD Bruker (100 MHz)

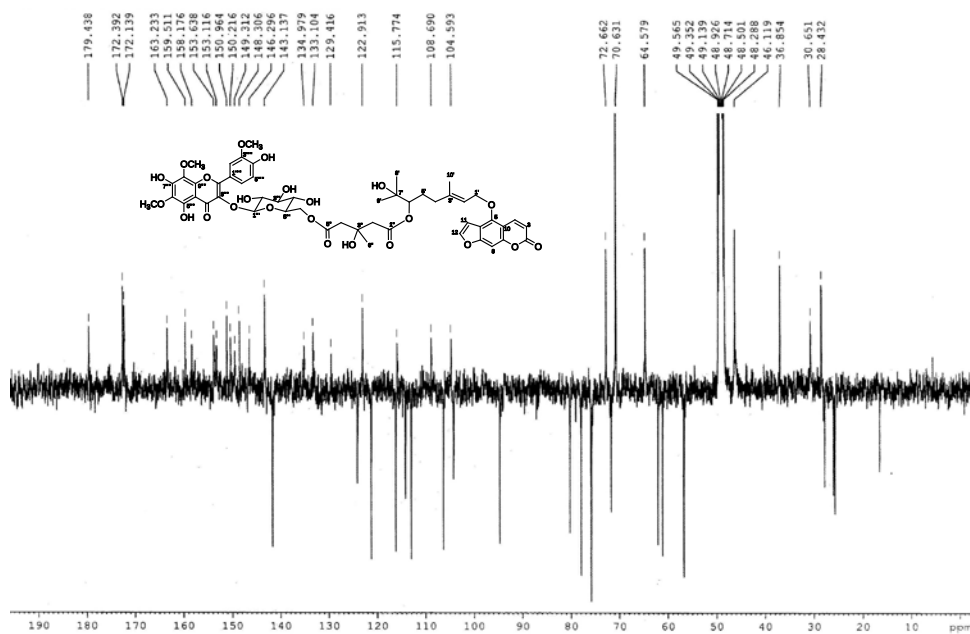


Fig. S15 ^1H -NMR spectrum of **8** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (15:1 v/v) Bruker (400 MHz)

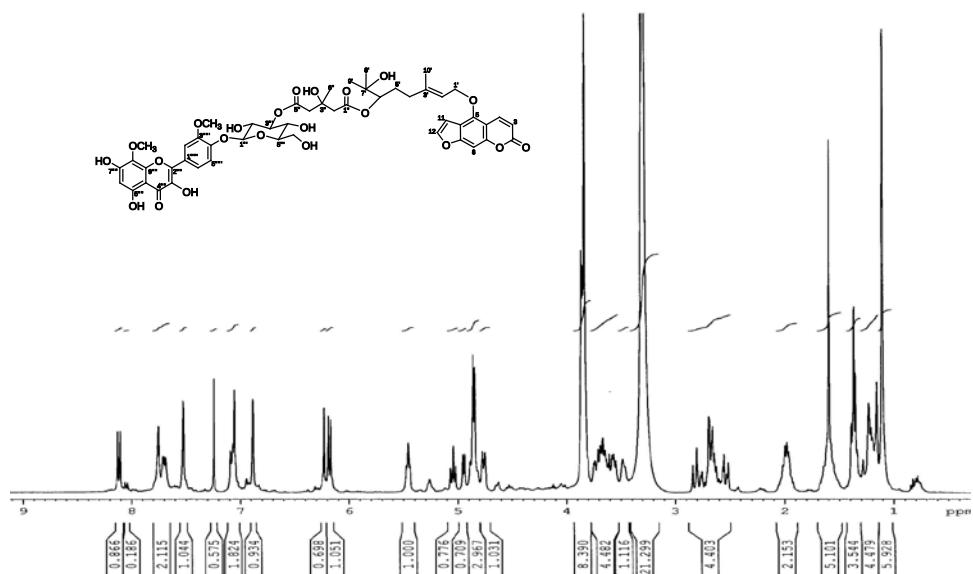


Fig. S16 J -modulated ^{13}C -NMR spectrum of **8** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (15:1 v/v) Bruker (100 MHz)

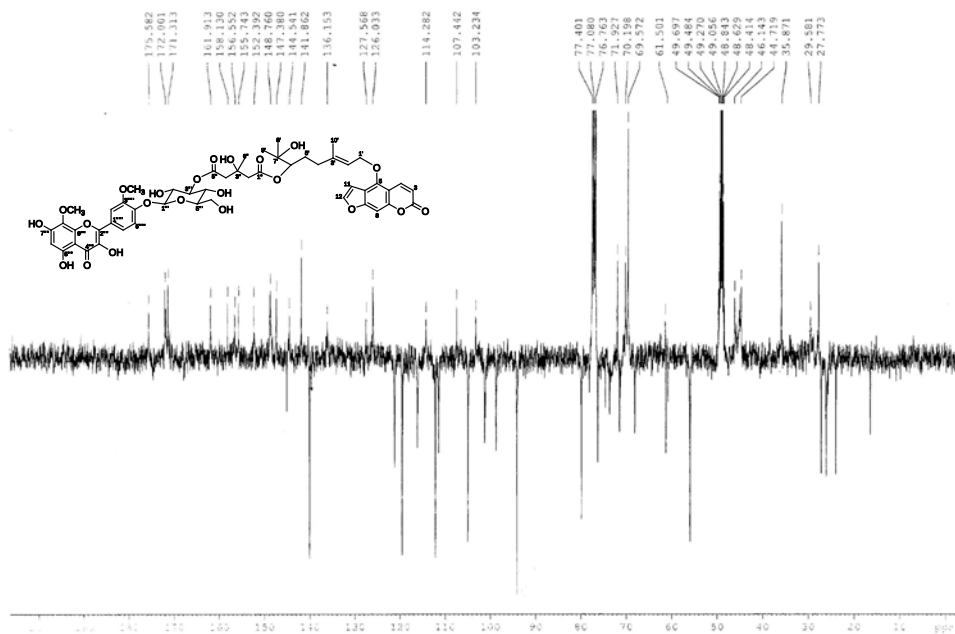


Fig. S17 ^1H -NMR spectrum of **9** in CD_3OD Bruker (400 MHz)

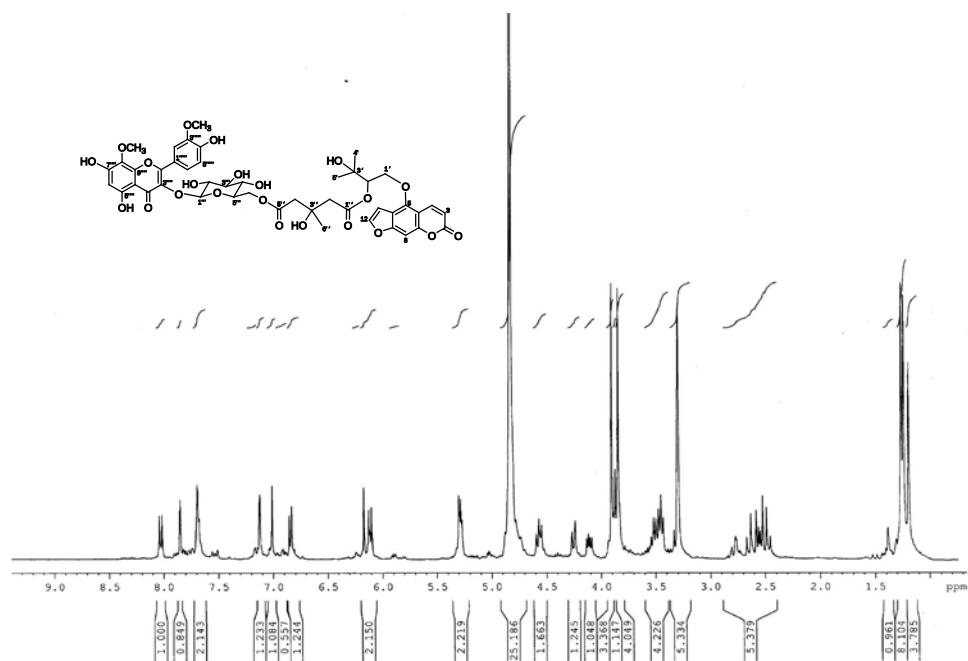


Fig. S18 J modulated ^{13}C -NMR spectrum of **9** in CD_3OD Bruker (100 MHz)

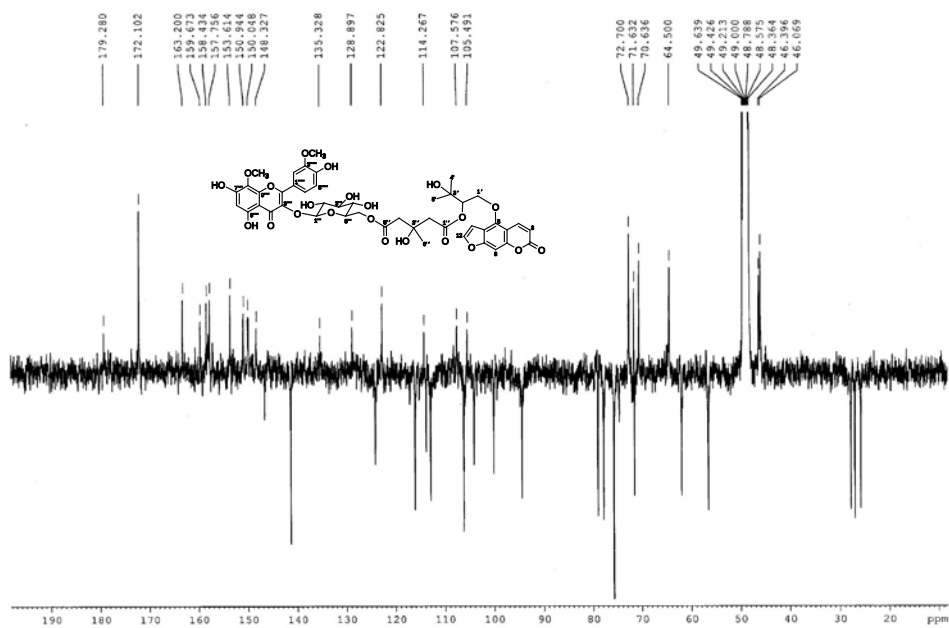


Fig. S19 ^1H -NMR spectrum of **10** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (15:1 v/v) Bruker (400 MHz)

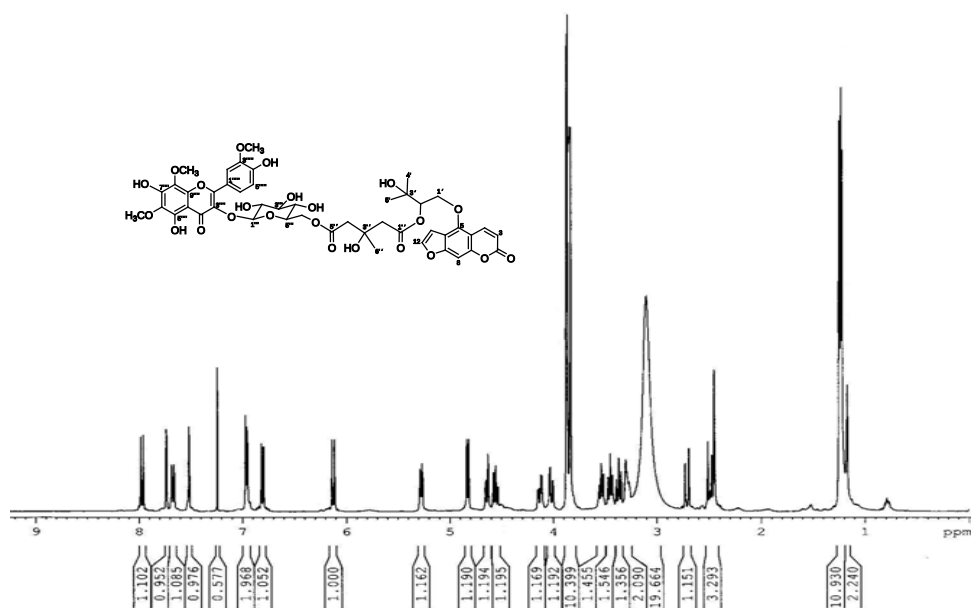


Fig. S20 J -modulated ^{13}C -NMR spectrum of **10** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (15:1 v/v) Bruker (100 MHz)

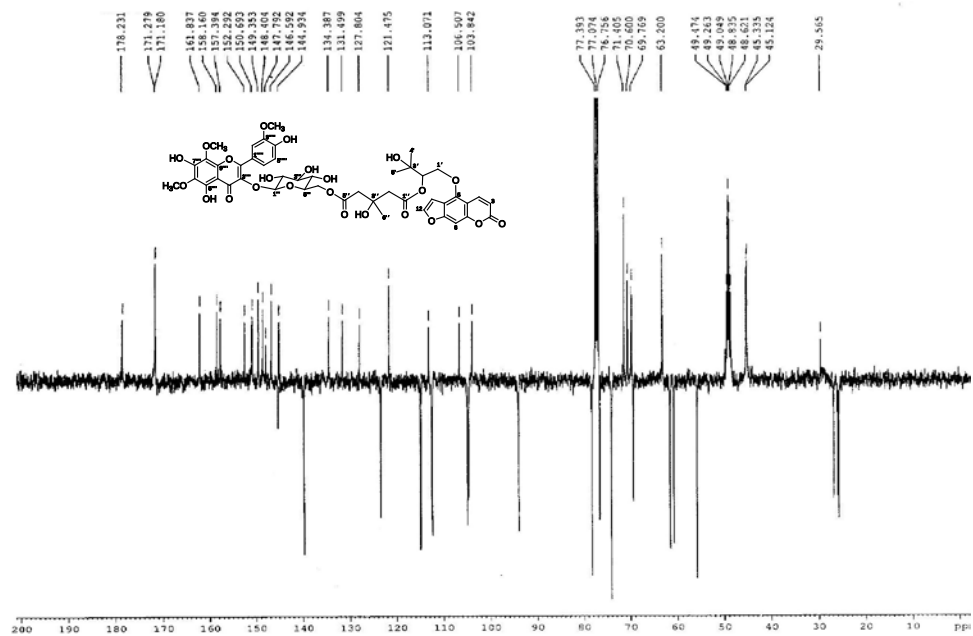


Fig. S21 ^1H -NMR spectrum of **11** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (10:1 v/v) Bruker (400 MHz)

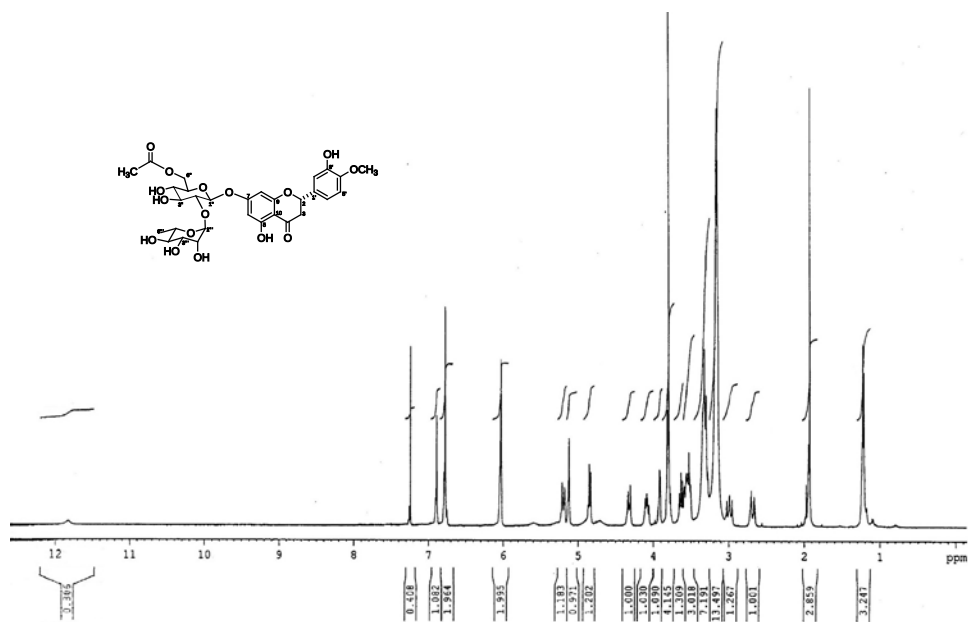


Fig. S22 J -modulated ^{13}C -NMR spectrum of **11** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (10:1 v/v) Bruker (100 MHz)

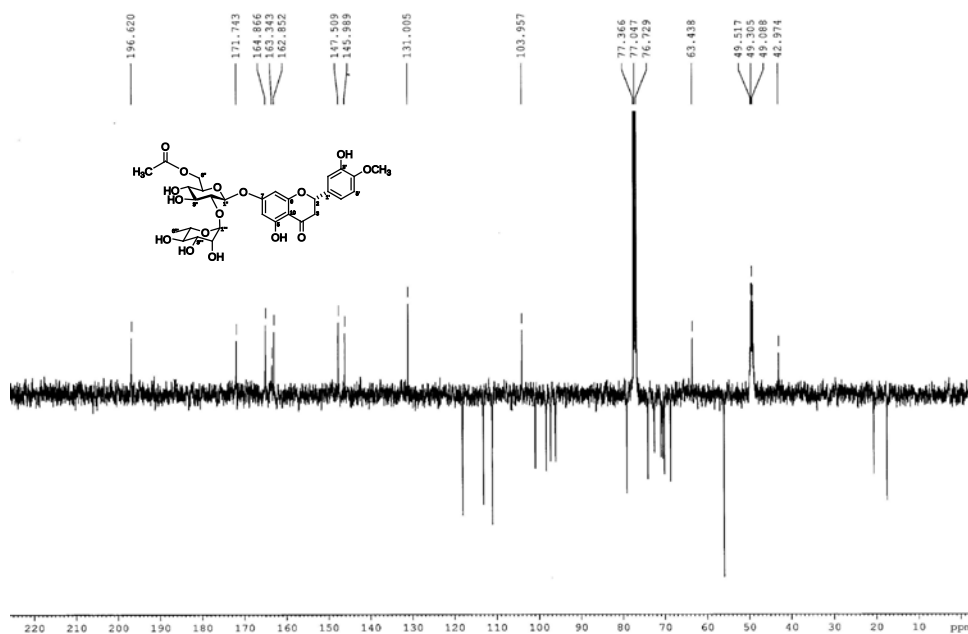


Fig. S23 ^1H -NMR spectrum of **12** in CD_3OD Bruker (400 MHz)

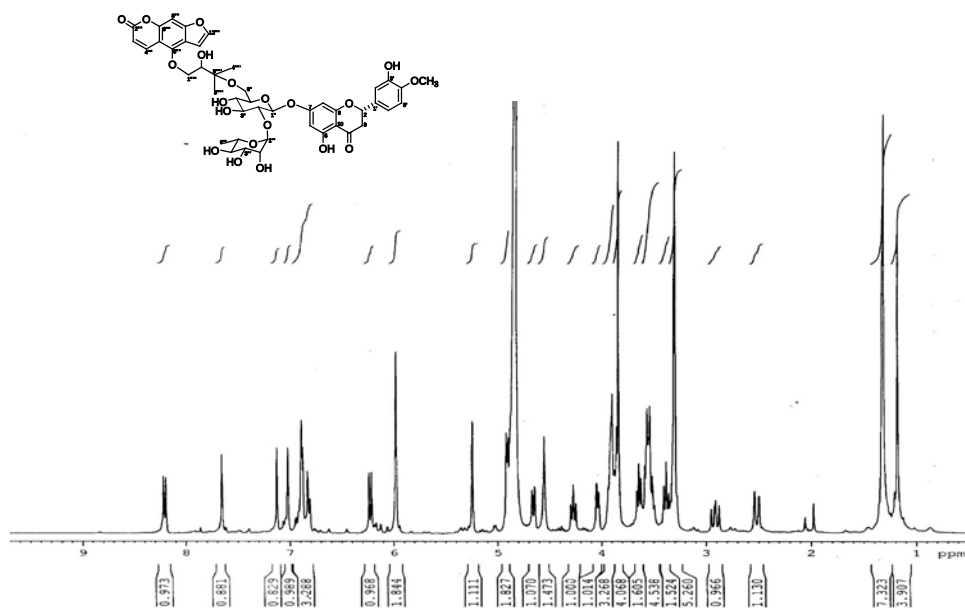


Fig. S24 ^1H -NMR spectrum of **12** in CD_3OD Bruker (800 MHz)

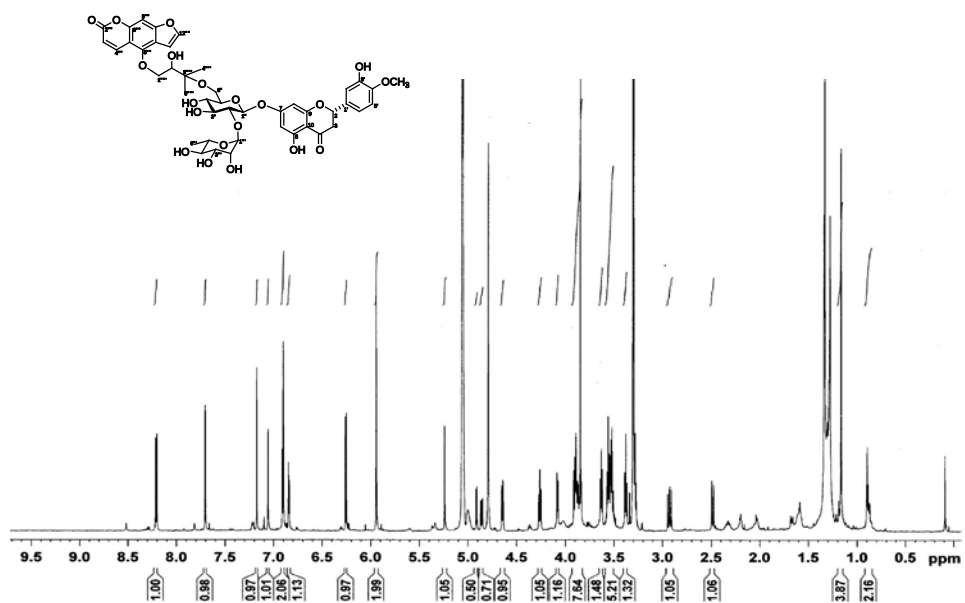


Fig. S25 Jmodulated ^{13}C -NMR spectrum of **12** in CD_3OD Bruker (100 MHz)

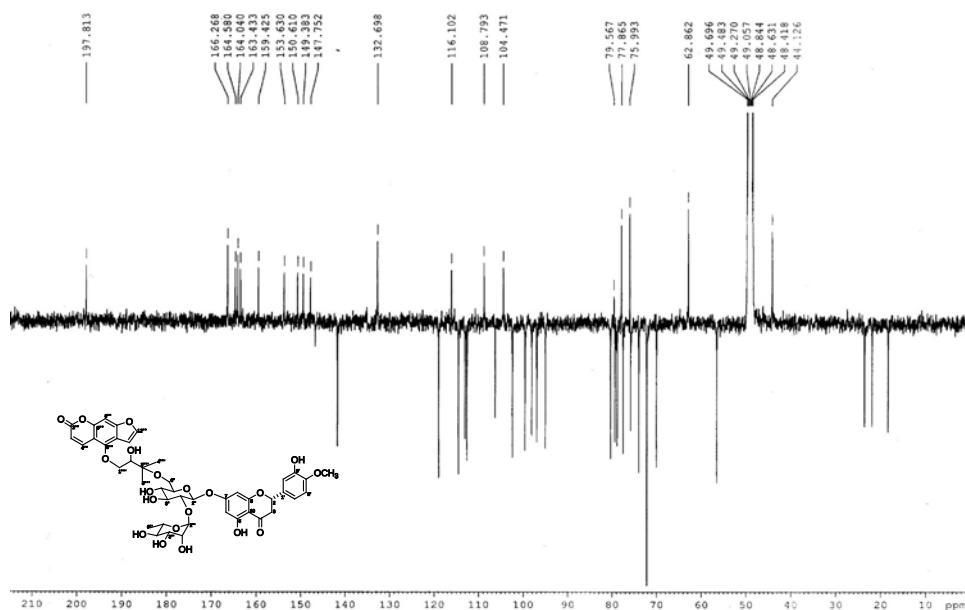


Fig. S26 ^1H -NMR spectrum of **13** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (15:1 v/v) Bruker (400 MHz)

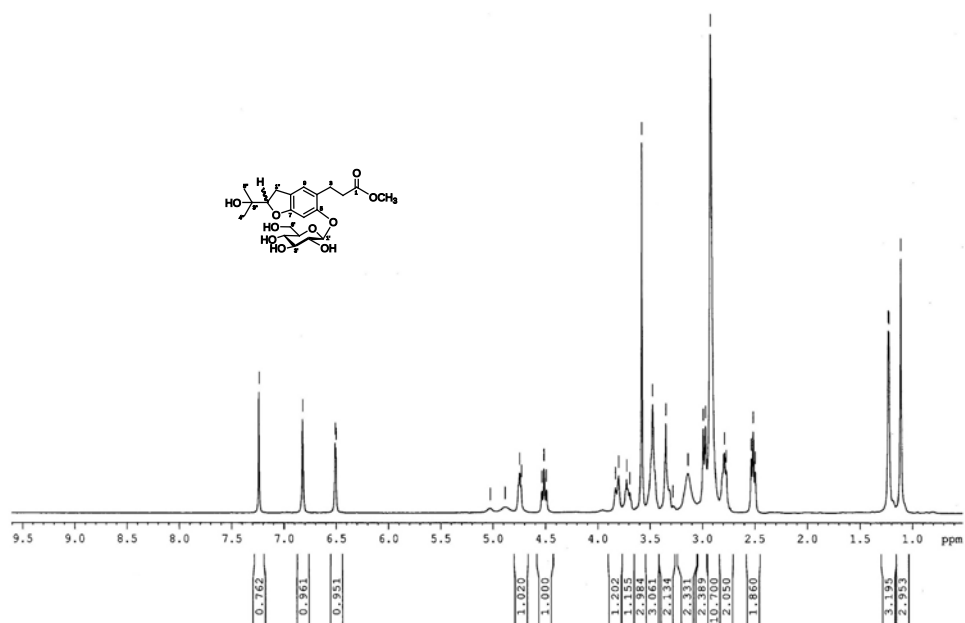


Fig. S27 *J*-modulated ^{13}C -NMR spectrum of **13** in $\text{CDCl}_3\text{-CD}_3\text{OD}$ (15:1 v/v) Bruker (100 MHz)

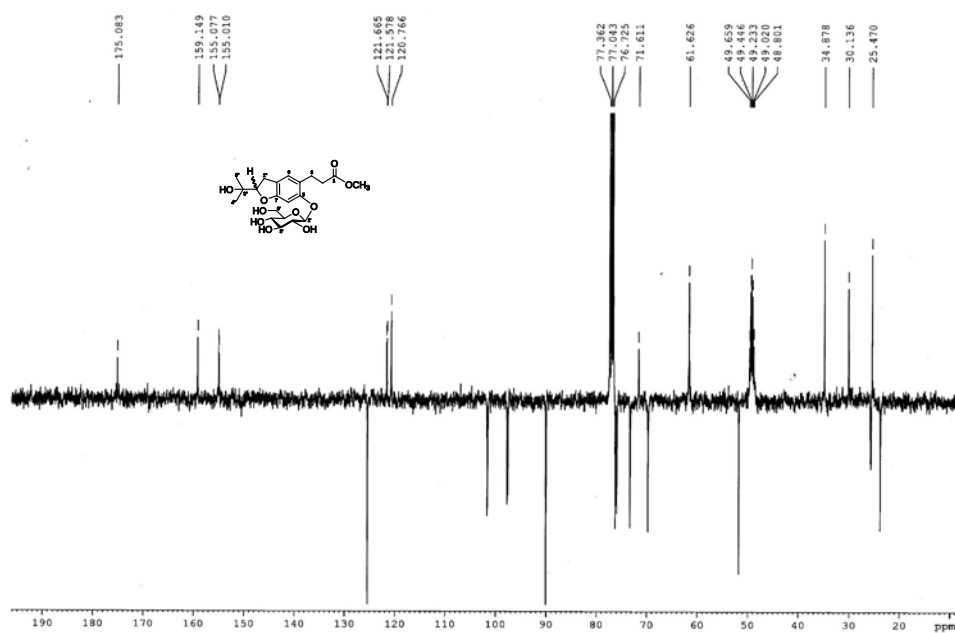


Fig. S28 ^1H -NMR spectrum of **14** in CD_3OD Bruker (800 MHz)

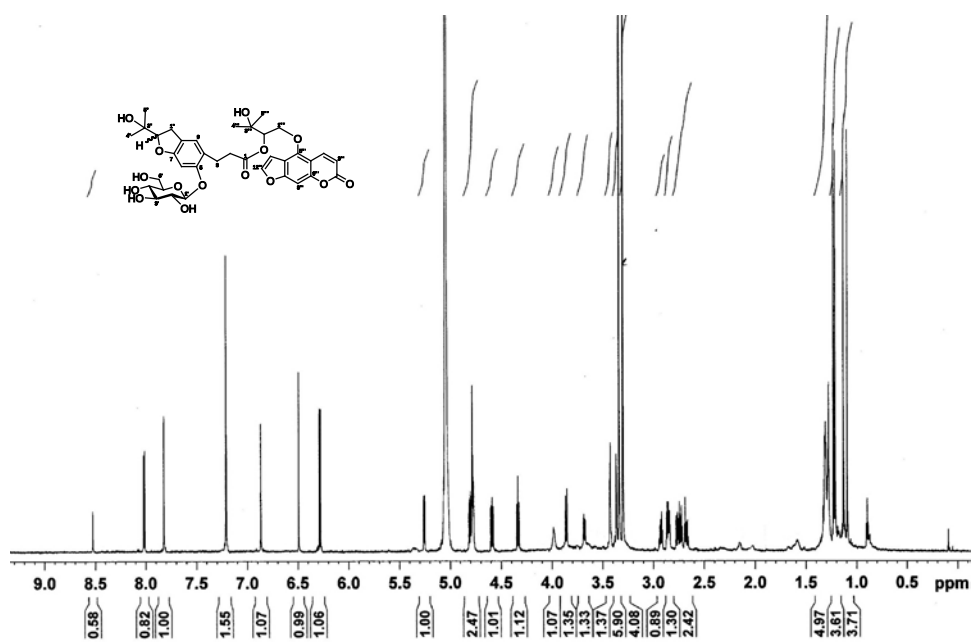


Fig. S29 HSQC spectrum of **14** in CD₃OD

Bruker (800 MHz)

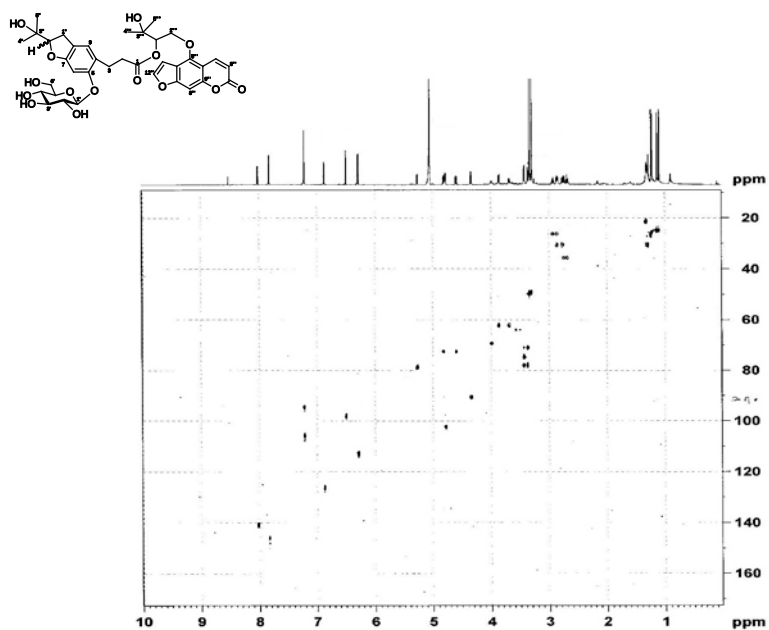


Fig. S30 HSBC spectrum of **14** in CD₃OD Bruker (800 MHz)

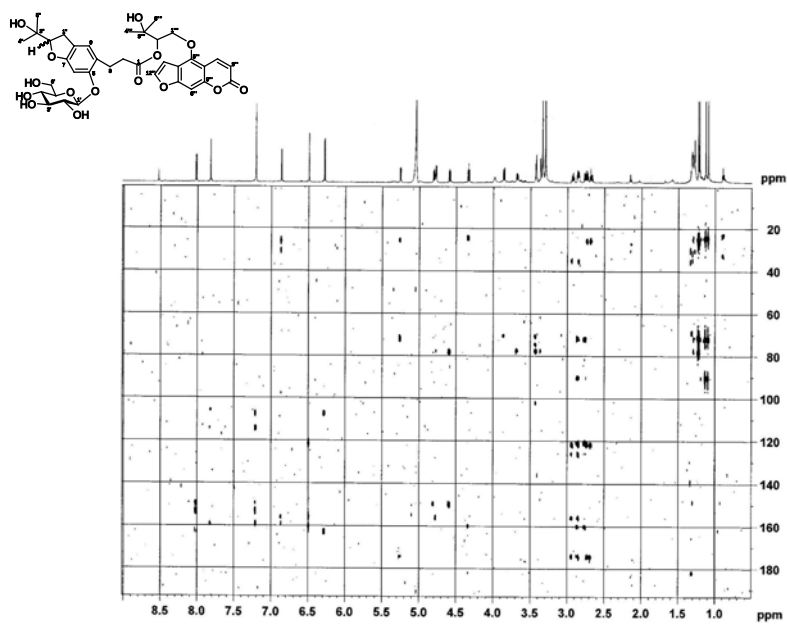


Fig. S31 ^1H -NMR spectrum of **15** in CD_3OD Bruker (800 MHz)

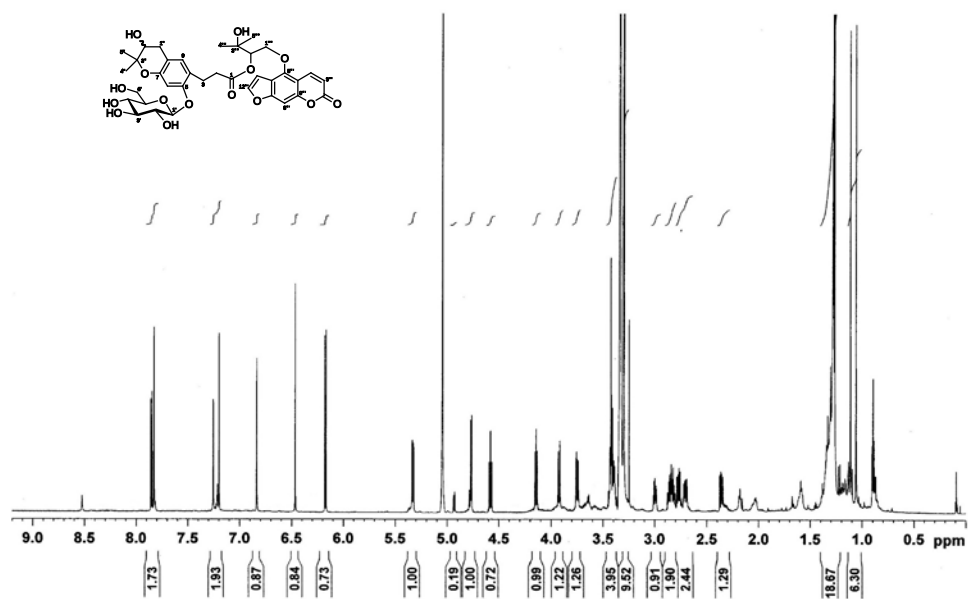


Fig. S32 HSQC spectrum of **15** in CD_3OD Bruker (800 MHz)

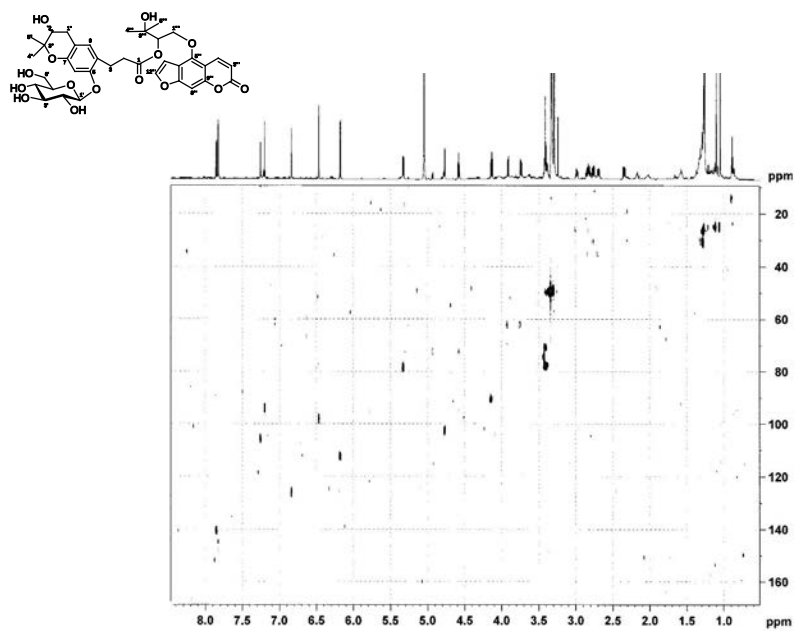


Fig. S33 HSBC spectrum of **15** in CD₃OD Bruker (800 MHz)

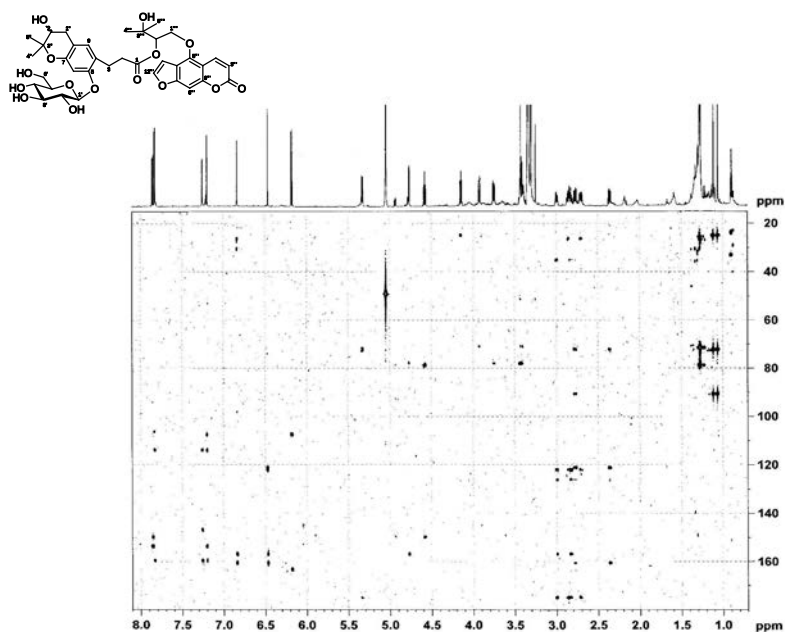


Fig. S34 Overlaid ¹H-NMR spectra of **14** and **15** in CD₃OD Bruker (800 MHz)

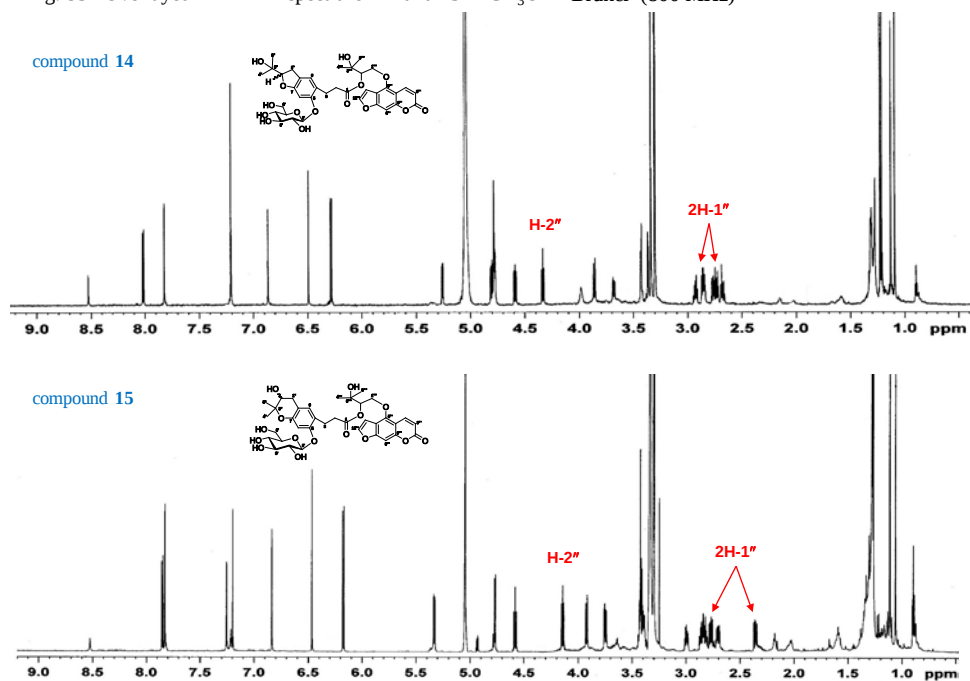


Fig. S35 ^1H -NMR spectrum of **16** in CD_3OD Bruker (800 MHz)

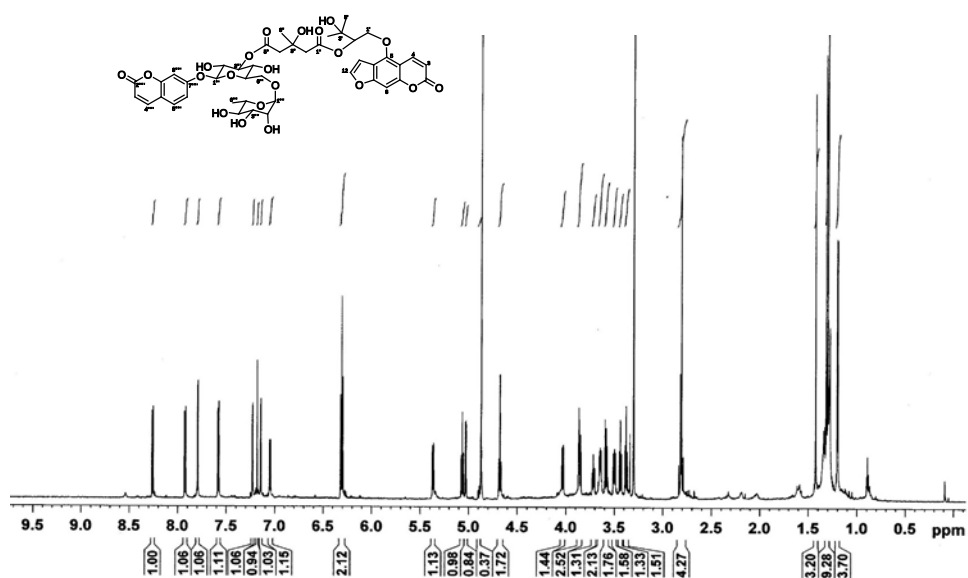


Fig. S36 HSQC spectrum of **16** in CD_3OD Bruker (800 MHz)

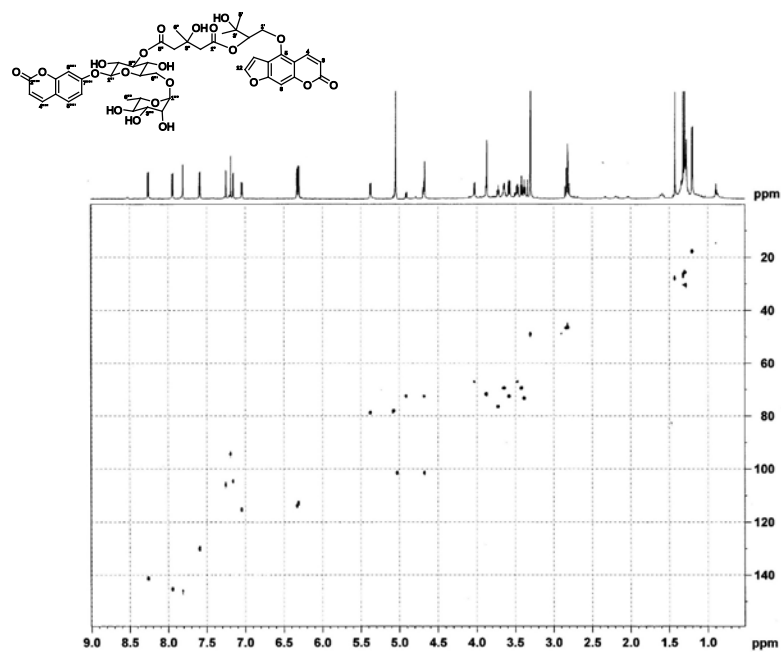


Fig. S37 HSBC spectrum of **16** in CD₃OD) Bruker (800 MHz)

