

## Supplementary Materials

### Three new ionone glycosides from *Rhododendron capitatum*

#### Maxim

Jun-Ren Yang <sup>1,2,†</sup>, Yue-Tong Zhu <sup>1,†</sup>, Yi-Qin Zeng <sup>1</sup>, Hong-Quan Li <sup>1</sup>, Chun-Huan Li <sup>1,\*</sup> and Jin-Ming Gao <sup>1,\*</sup>

<sup>1</sup> Shaanxi Key Laboratory of Natural Products & Chemical Biology, College of Chemistry & Pharmacy, Northwest A&F University, Yangling 712100, Shaanxi, People's Republic of China

<sup>2</sup> Shaanxi Jiahe Phytochemistry Company, Xi'an 710077, China

\* Correspondence: jinminggao@nwsuaf.edu.cn; chunhuanli@nwsuaf.edu.cn

† These authors have contributed equally to this work.

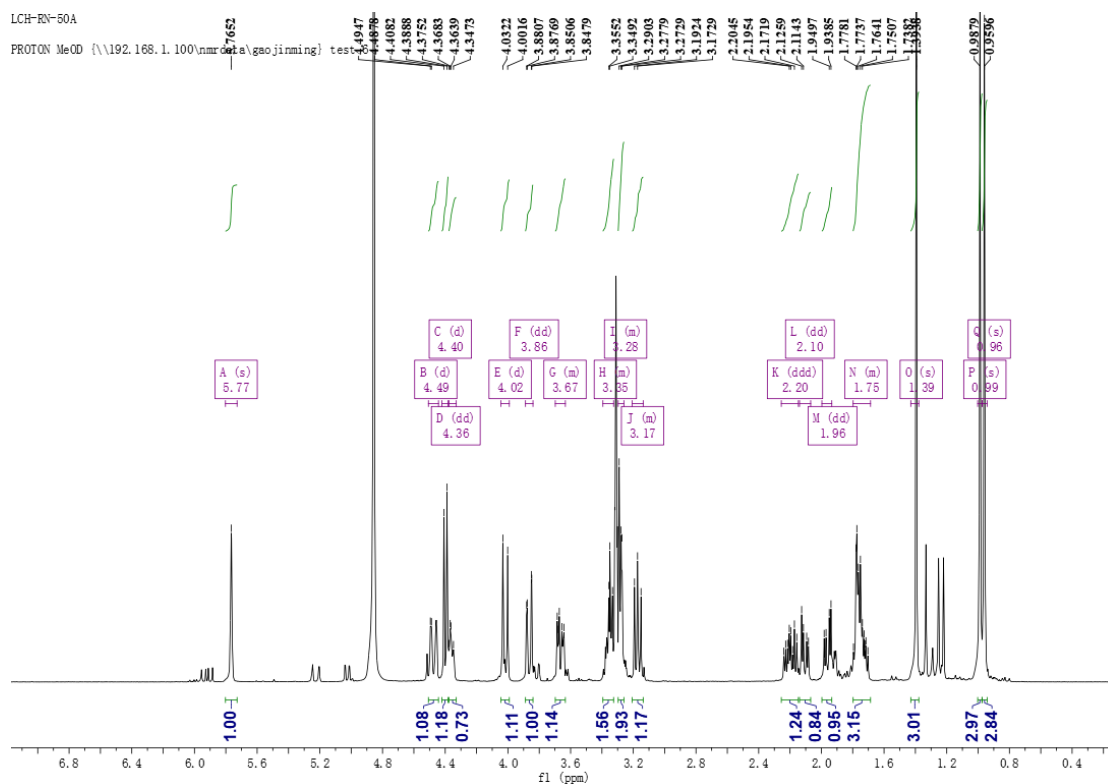


Figure S1.  $^1\text{H}$  NMR (400 MHz) spectrum of compound **1** in methanol- $d_4$

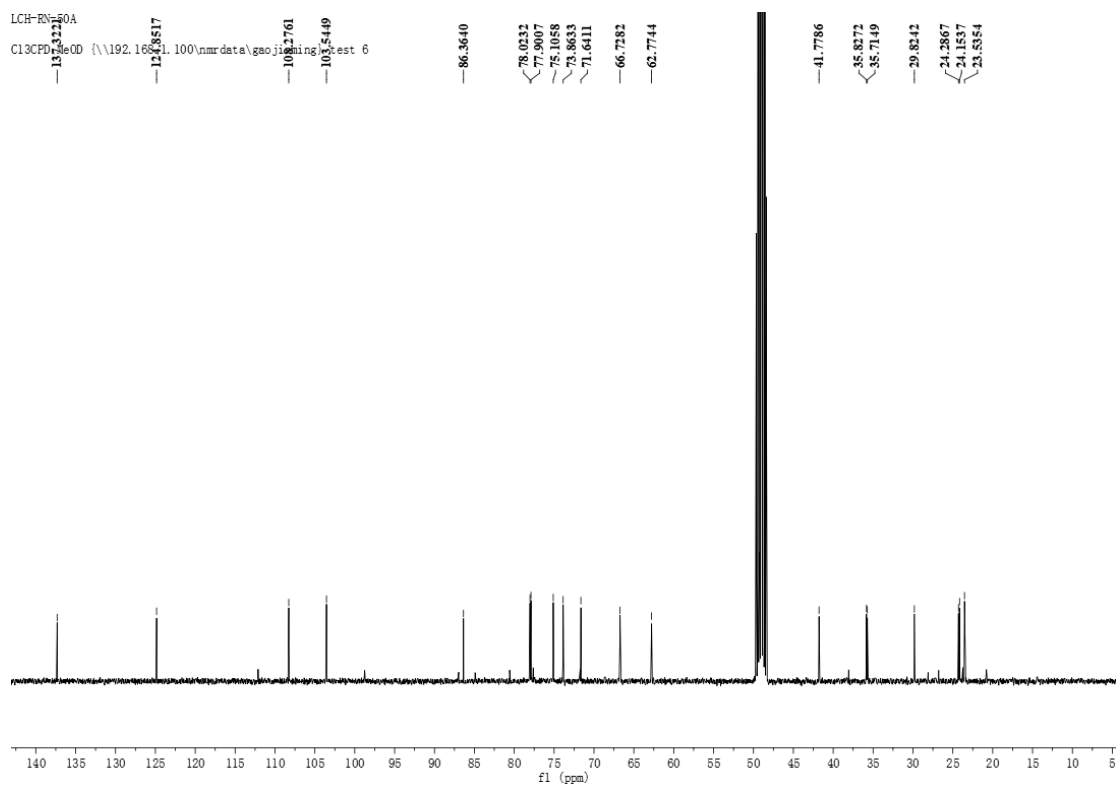


Figure S2.  $^{13}\text{C}$  NMR (100 MHz) spectrum of compound **1** in methanol- $d_4$

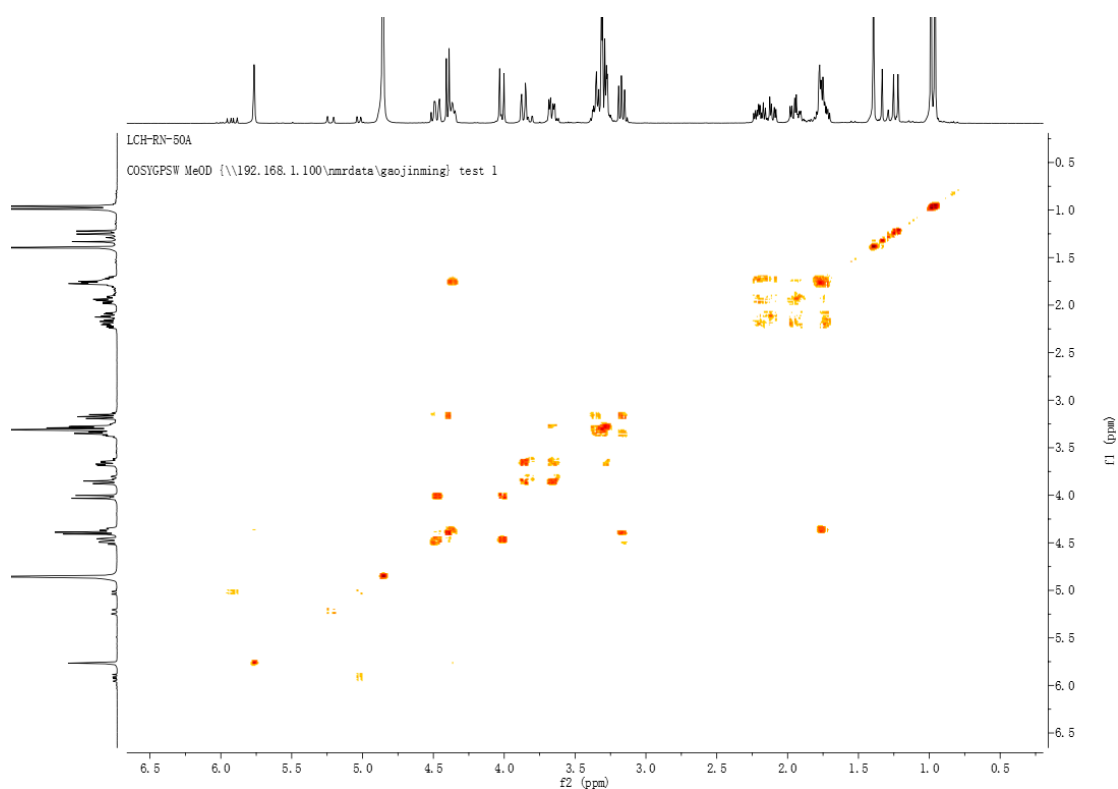


Figure S3.  $^1\text{H}$ - $^1\text{H}$  COSY (400 MHz) spectrum of compound **1** in methanol- $d_4$

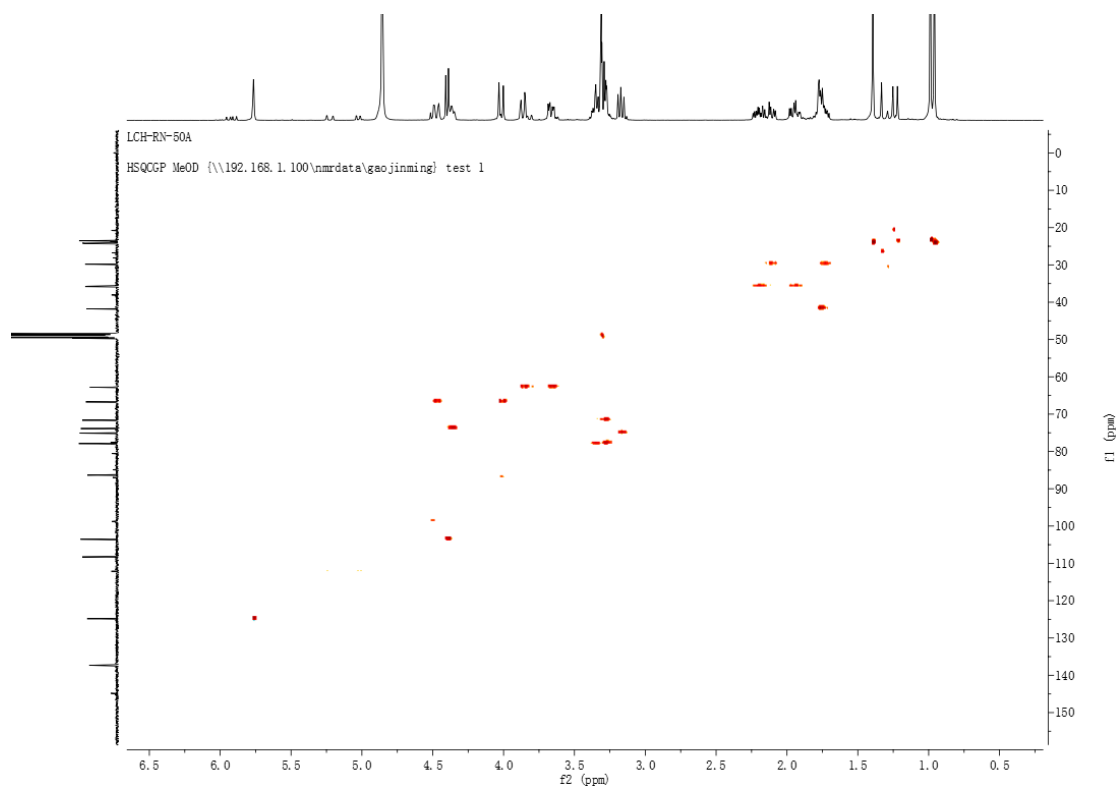


Figure S4. HSQC (400 MHz) spectrum of compound **1** in methanol- $d_4$

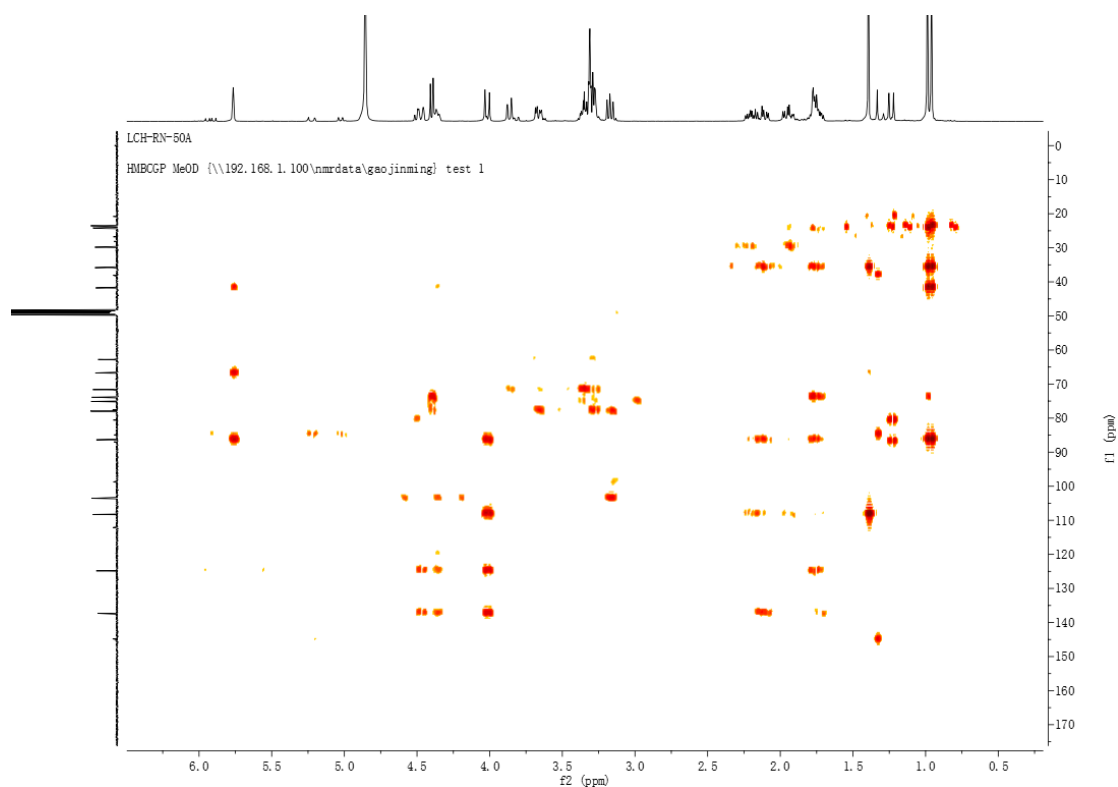


Figure S5. HMBC (400 MHz) spectrum of compound **1** in methanol-*d*<sub>4</sub>

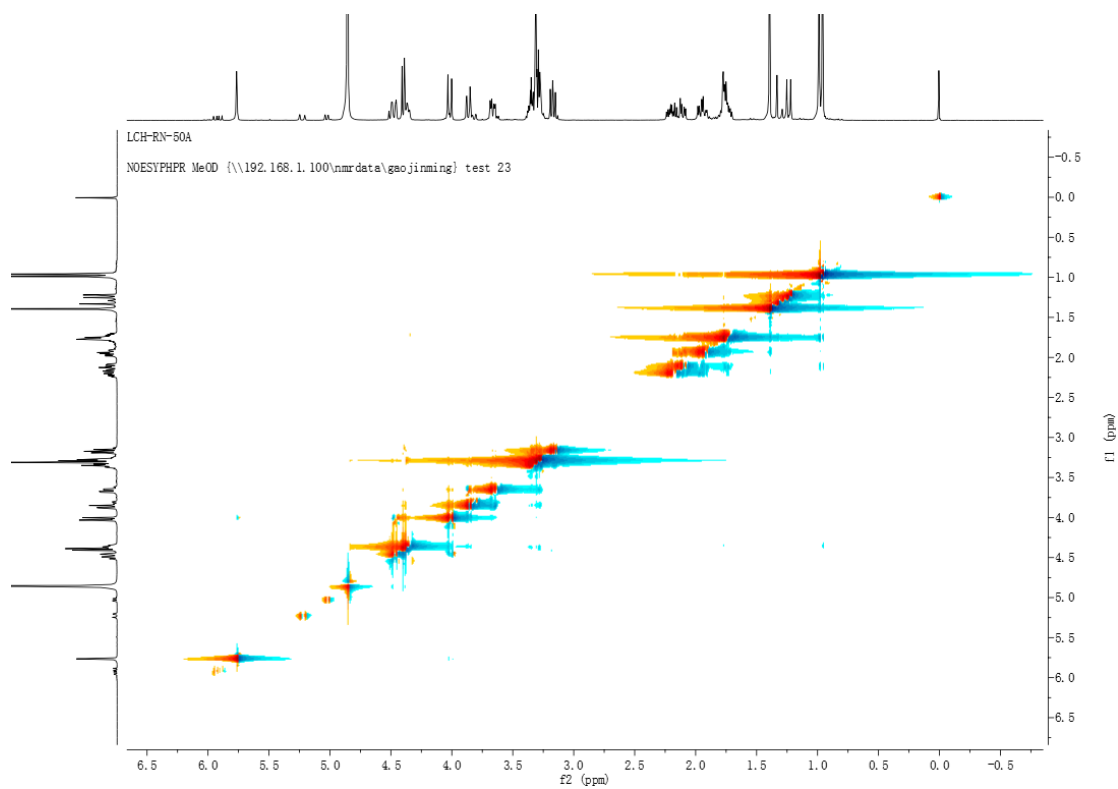


Figure S6. NOESY (400 MHz) spectrum of compound **1** in methanol-*d*<sub>4</sub>

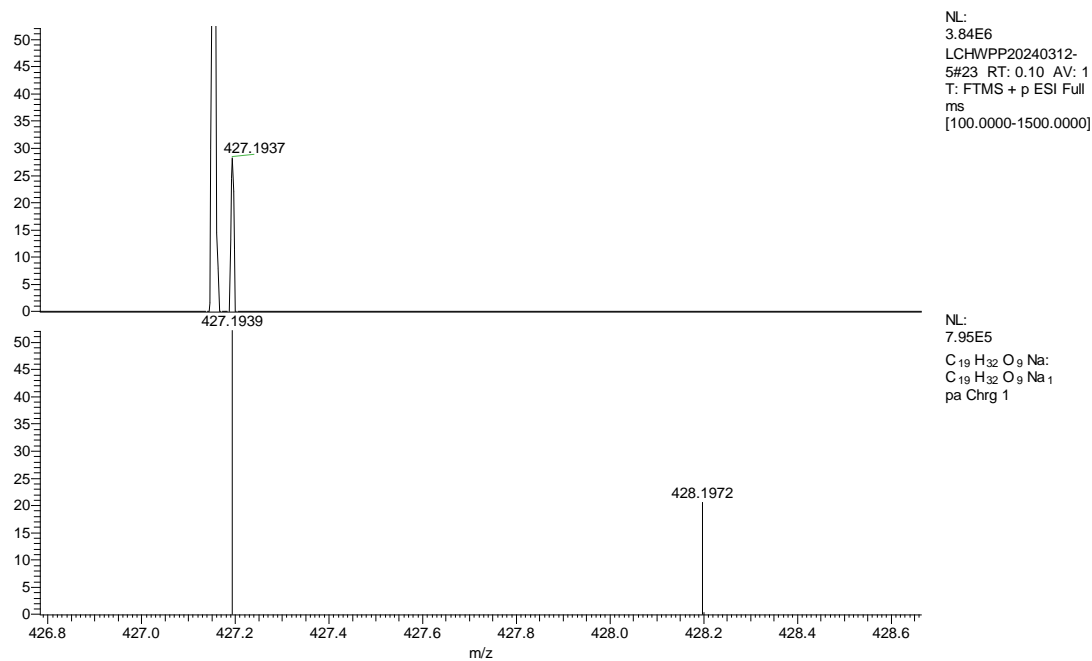


Figure S7. HRESIMS sof compound 1

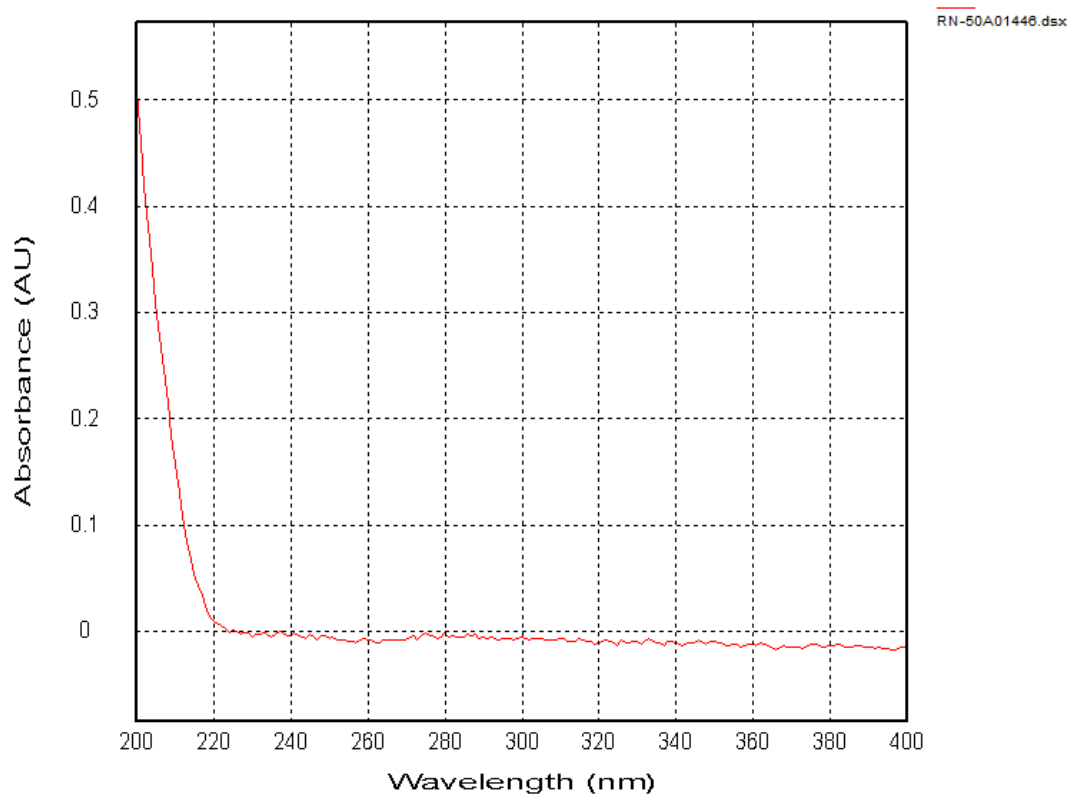


Figure S8. UV spectrum of compound 1 (MeOH)

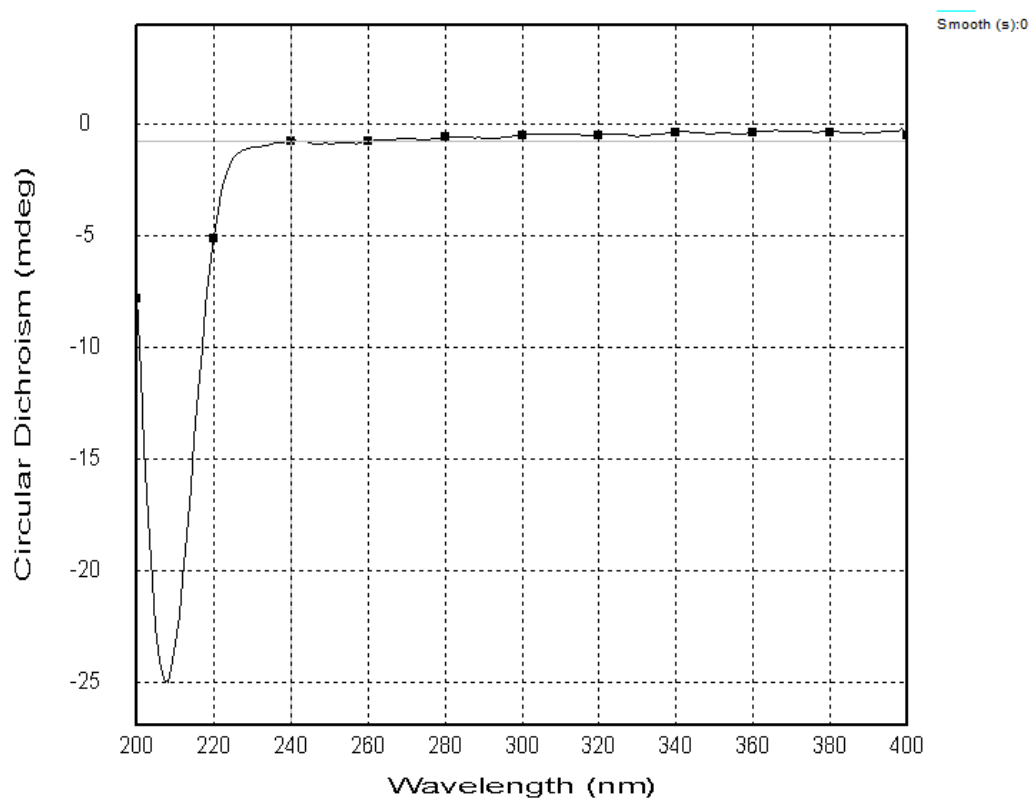


Figure S9. CD spectrum of compound **1** (MeOH)

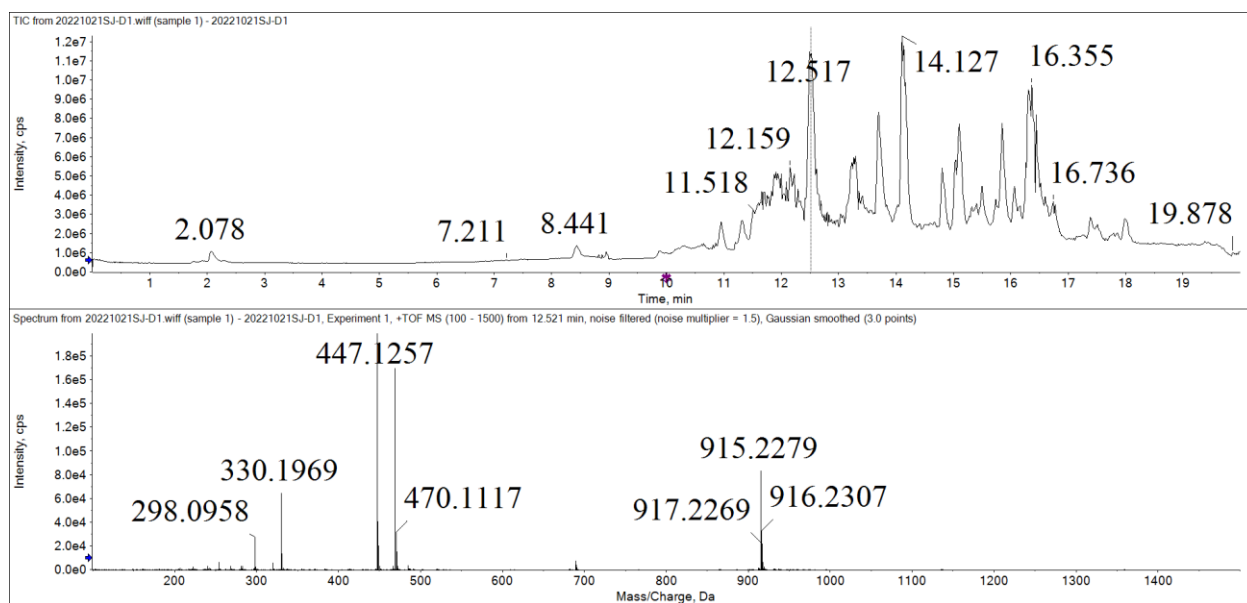


Figure S10. LC-MS spectrum of the glucose moiety of compound **1**

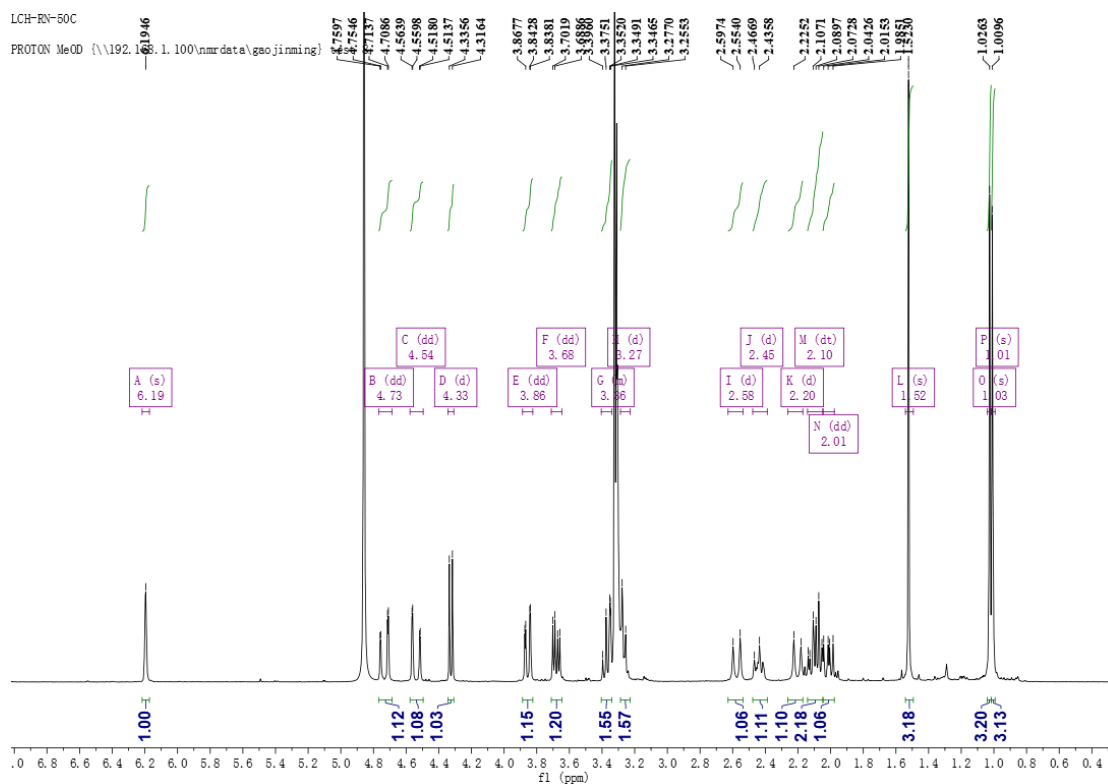


Figure S11.  $^1\text{H}$  NMR (400 MHz) spectrum of compound **2** in methanol- $d_4$

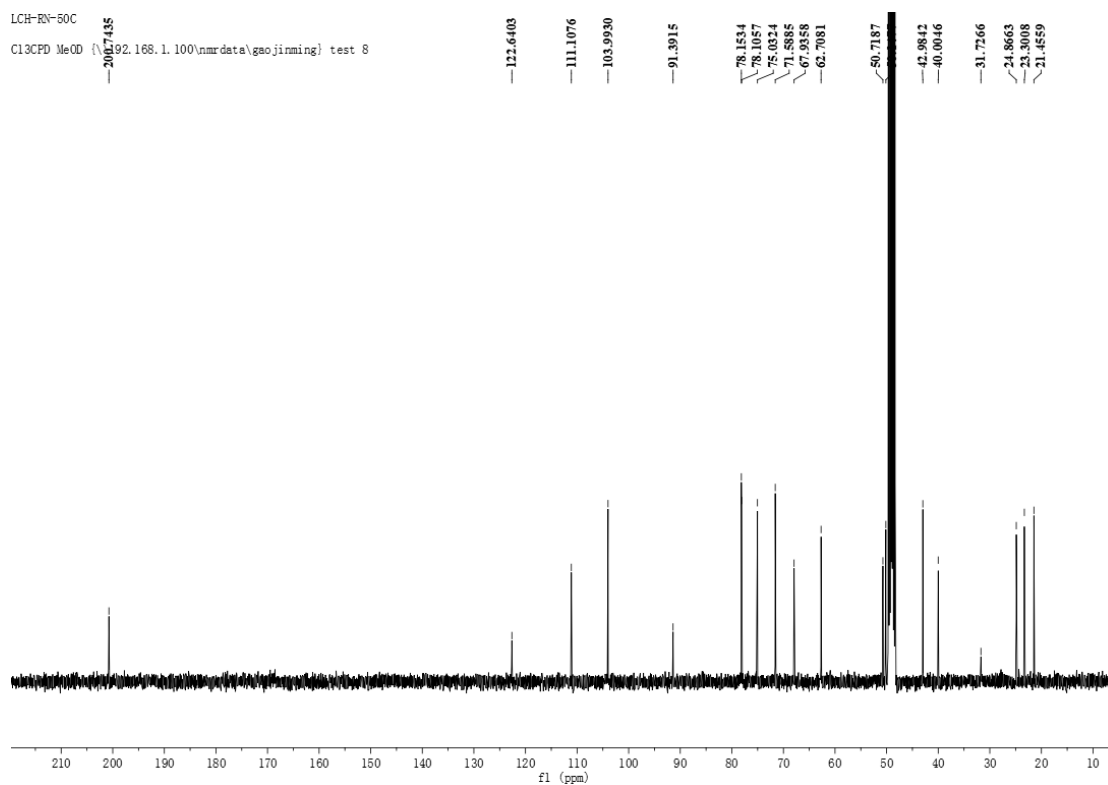


Figure S12.  $^{13}\text{C}$  NMR (100 MHz) spectrum of compound **2** in methanol- $d_4$

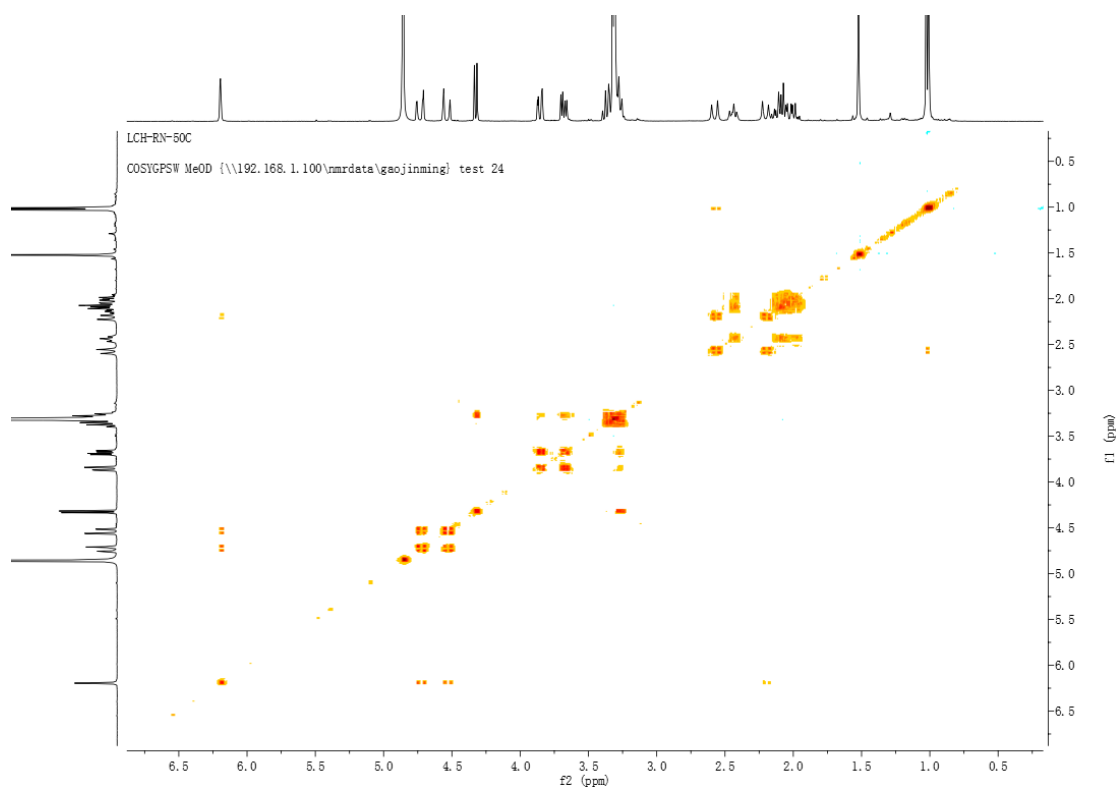


Figure S13.  $^1\text{H}$ - $^1\text{H}$  COSY (400 MHz) spectrum of compound **2** in methanol- $d_4$

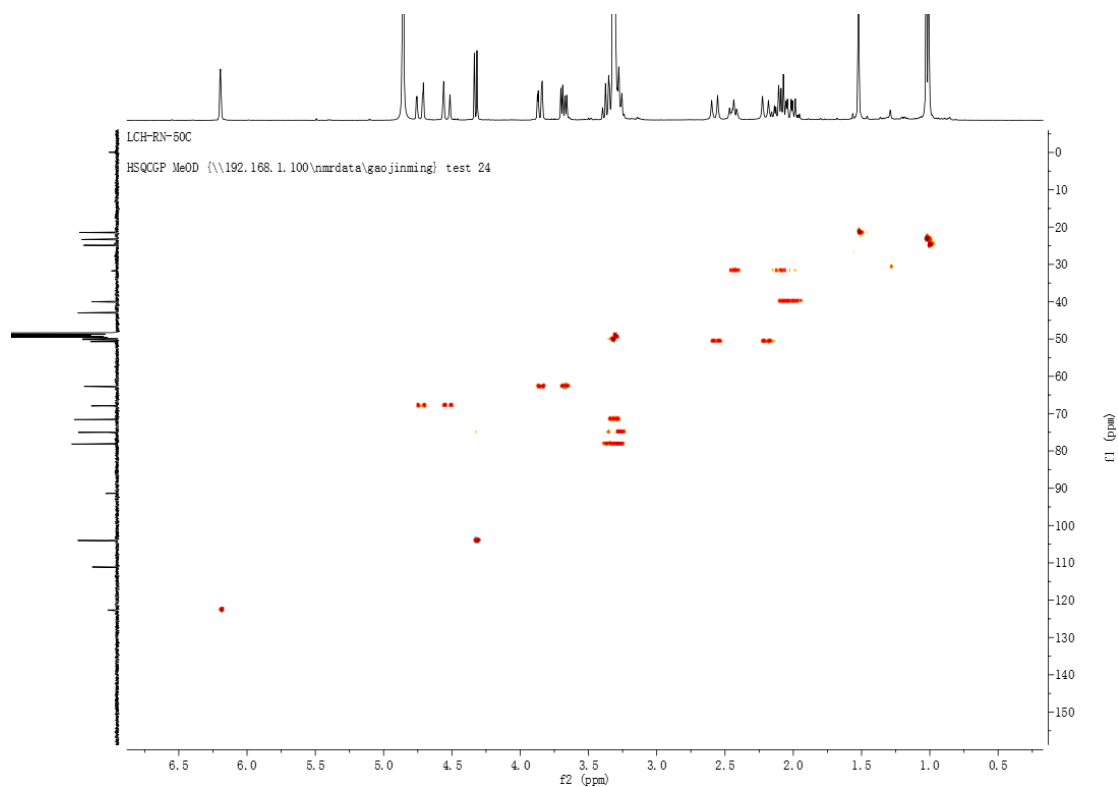


Figure S14. HSQC (400 MHz) spectrum of compound **2** in methanol- $d_4$



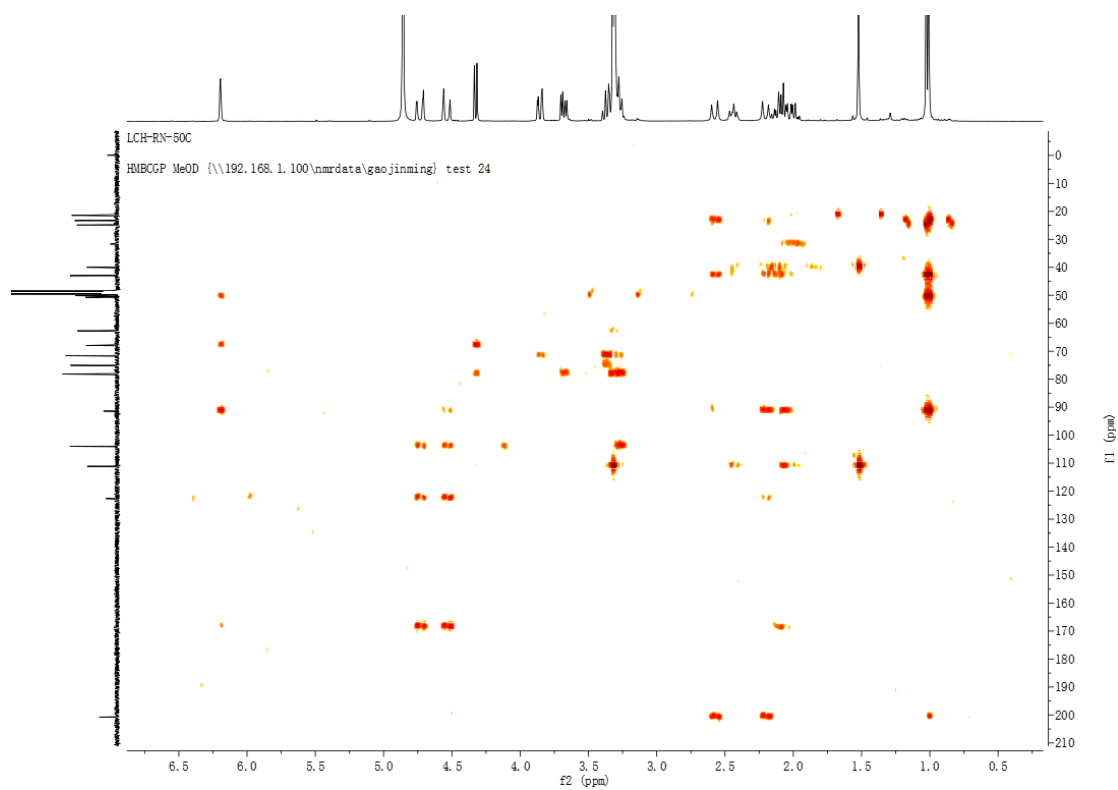


Figure S15. HMBC (400 MHz) spectrum of compound **2** in methanol-*d*<sub>4</sub>

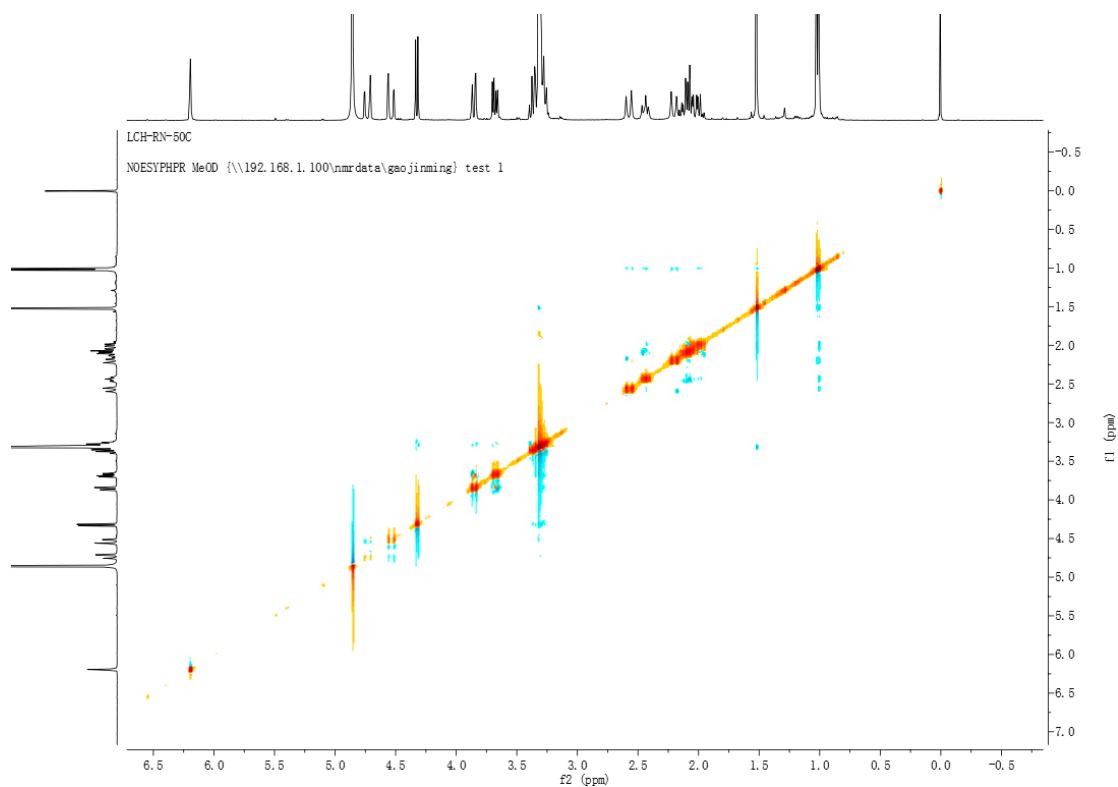


Figure S16. NOESY (400 MHz) spectrum of compound **2** in methanol-*d*<sub>4</sub>

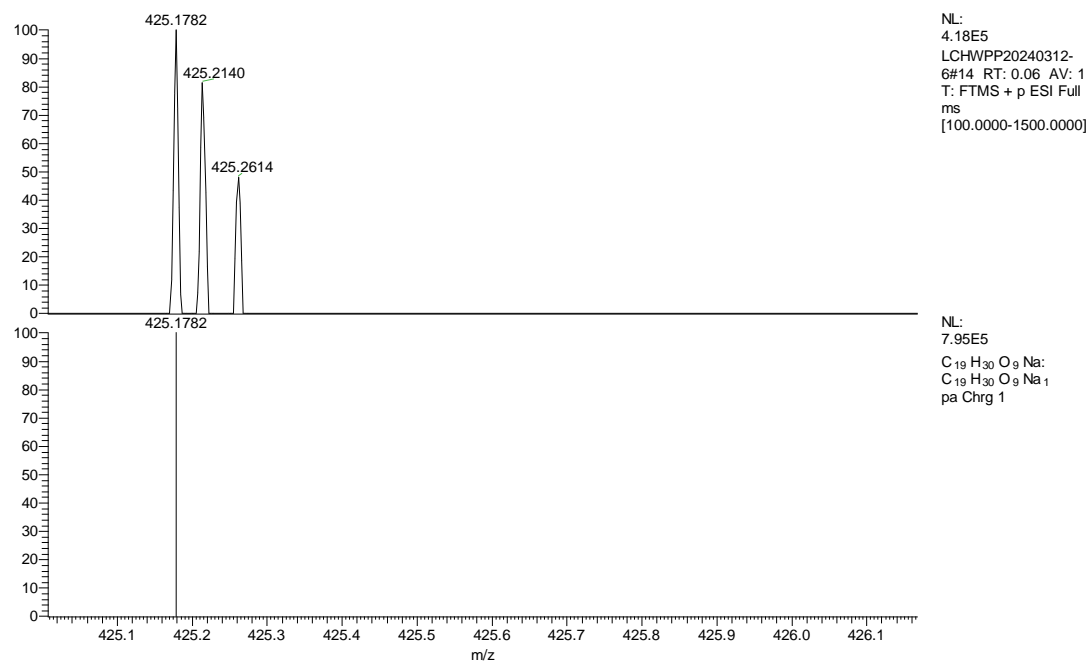


Figure S17. HRESIMS of compound **2**

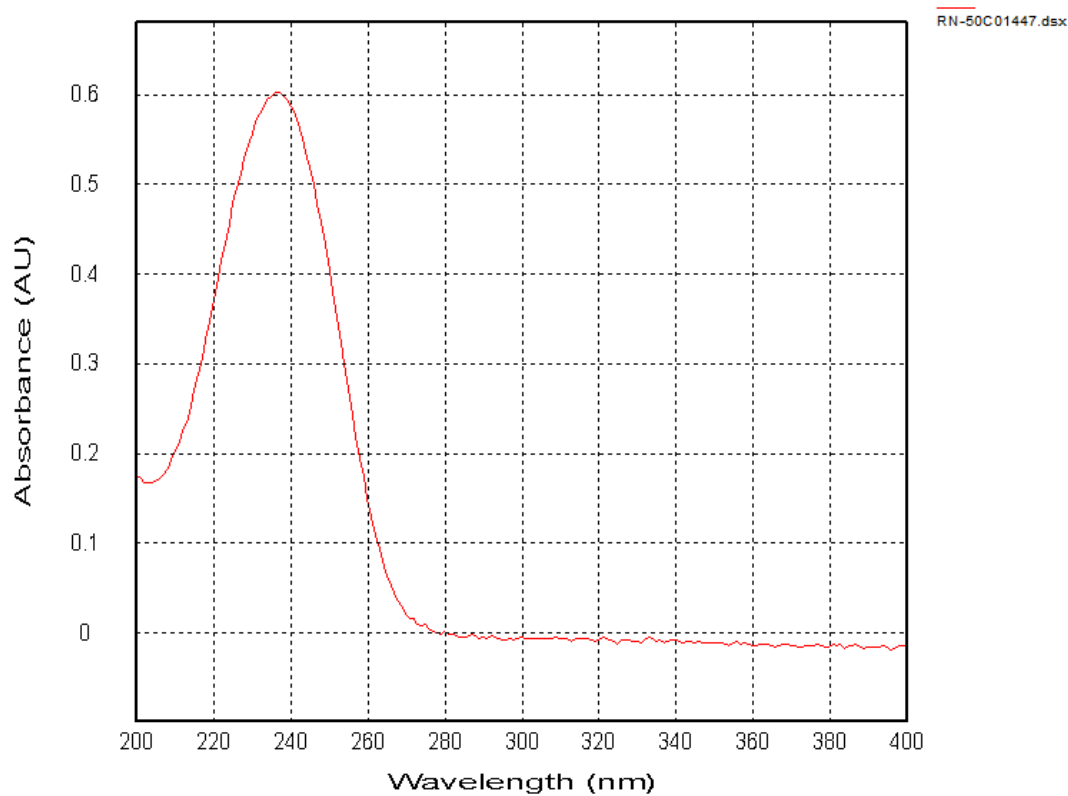


Figure S18. UV spectrum of compound **2** (MeOH)

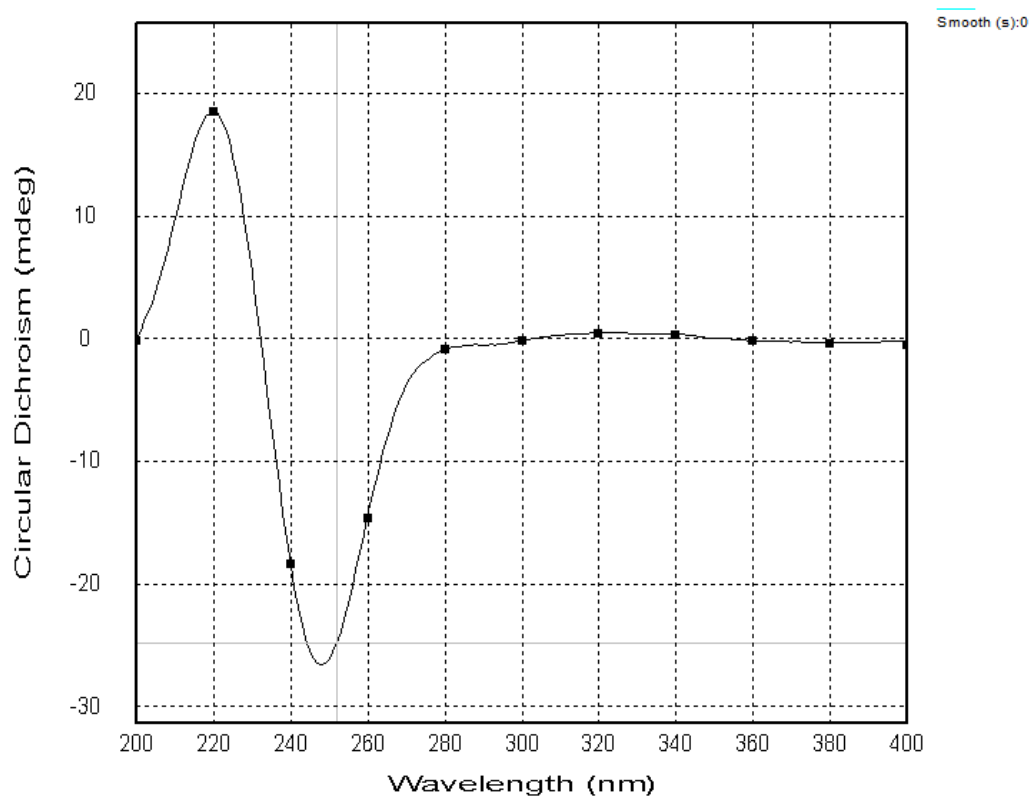


Figure S19. CD spectrum of compound **2** (MeOH)

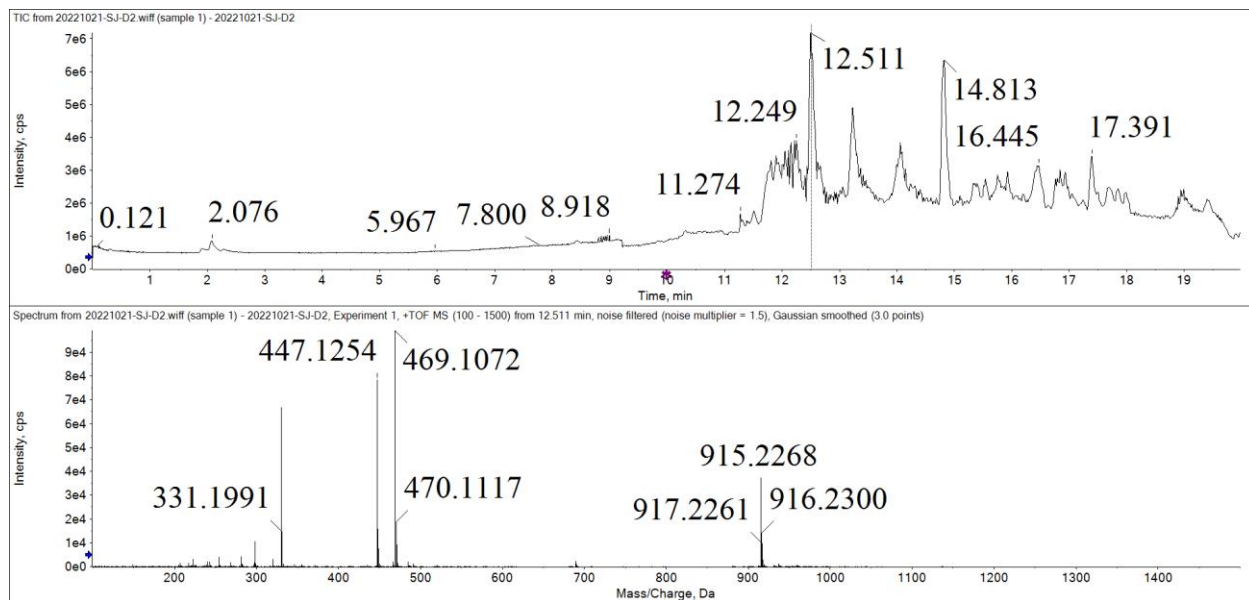


Figure S20. LC-MS spectrum of the glucose moiety of compound **2**



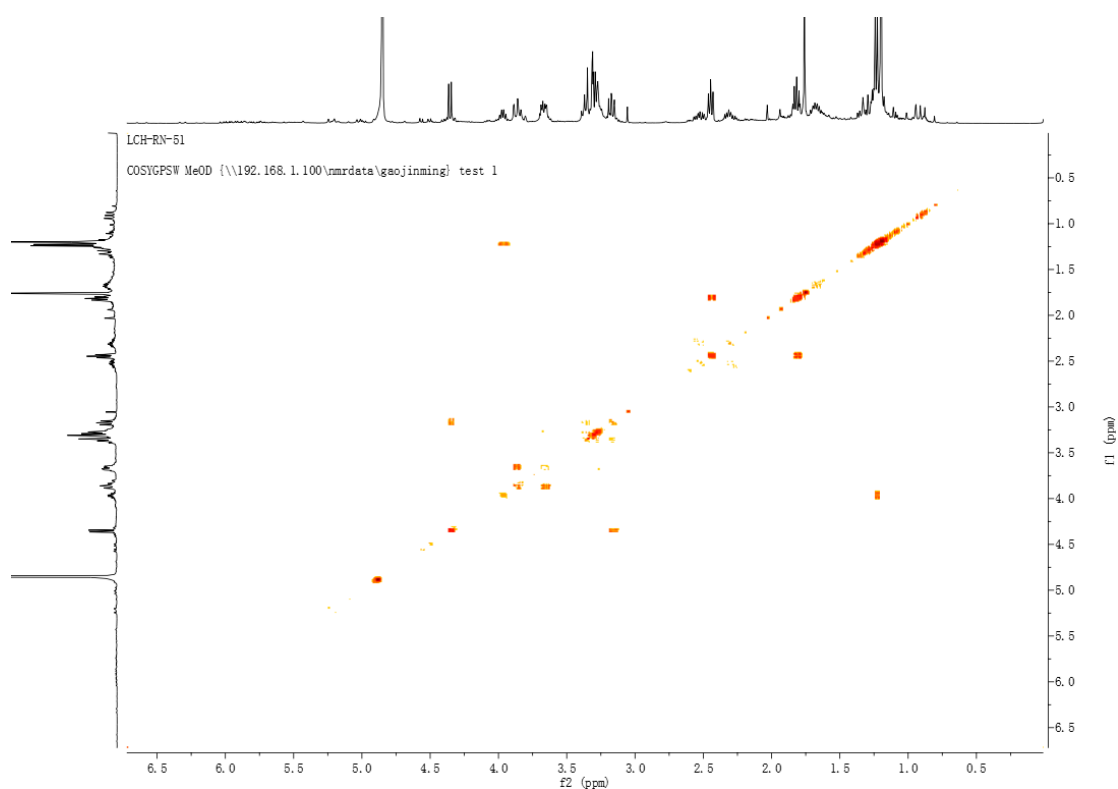


Figure S23.  $^1\text{H}$ - $^1\text{H}$  COSY (400 MHz) spectrum of compound **3** in methanol- $d_4$

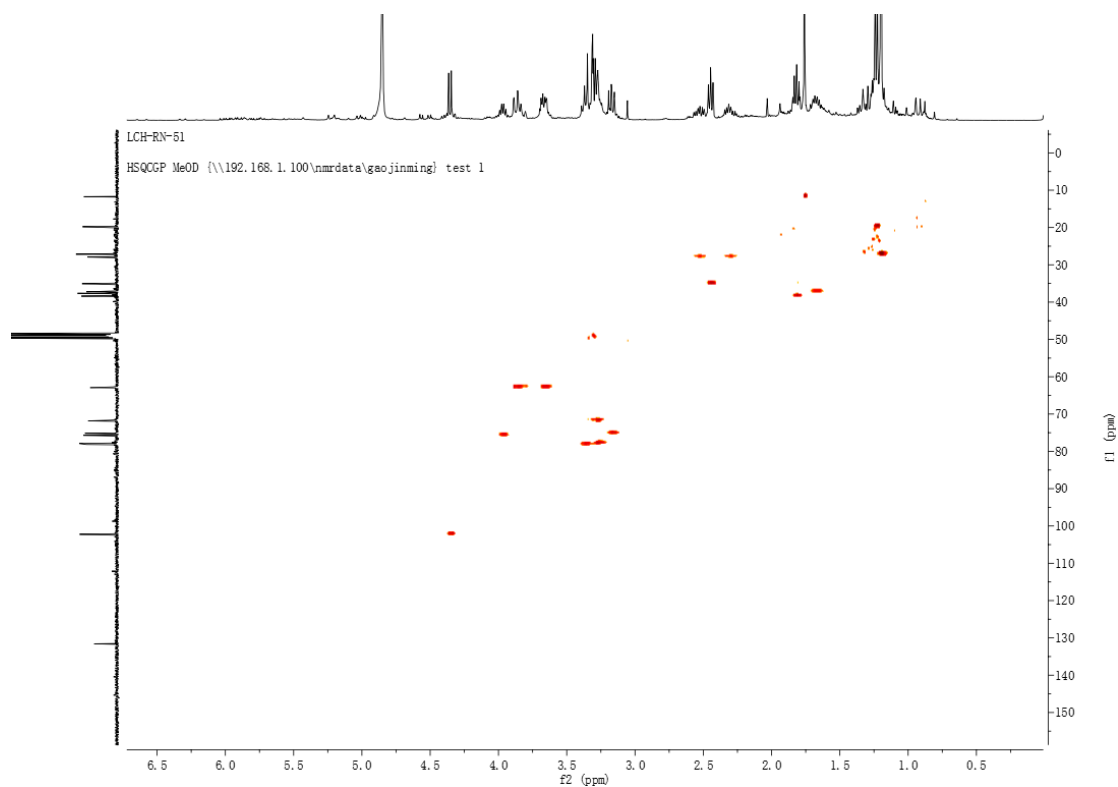


Figure S24. HSQC (400 MHz) spectrum of compound **3** in methanol- $d_4$

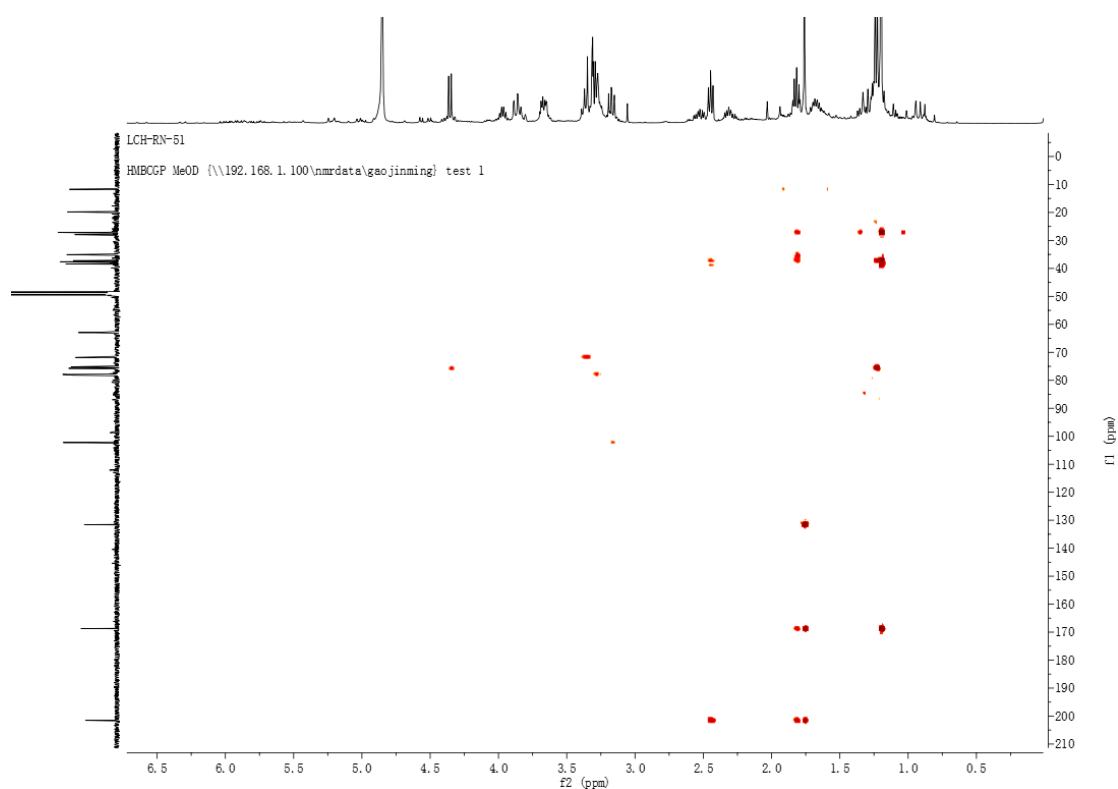


Figure S25. HMBC (400 MHz) spectrum of compound **3** in methanol-*d*<sub>4</sub>

LCHWPP20240312-7 #36 RT: 0.16 AV: 1 NL: 9.73E7  
T: FTMS + p ESI Full ms [100.0000-1500.0000]

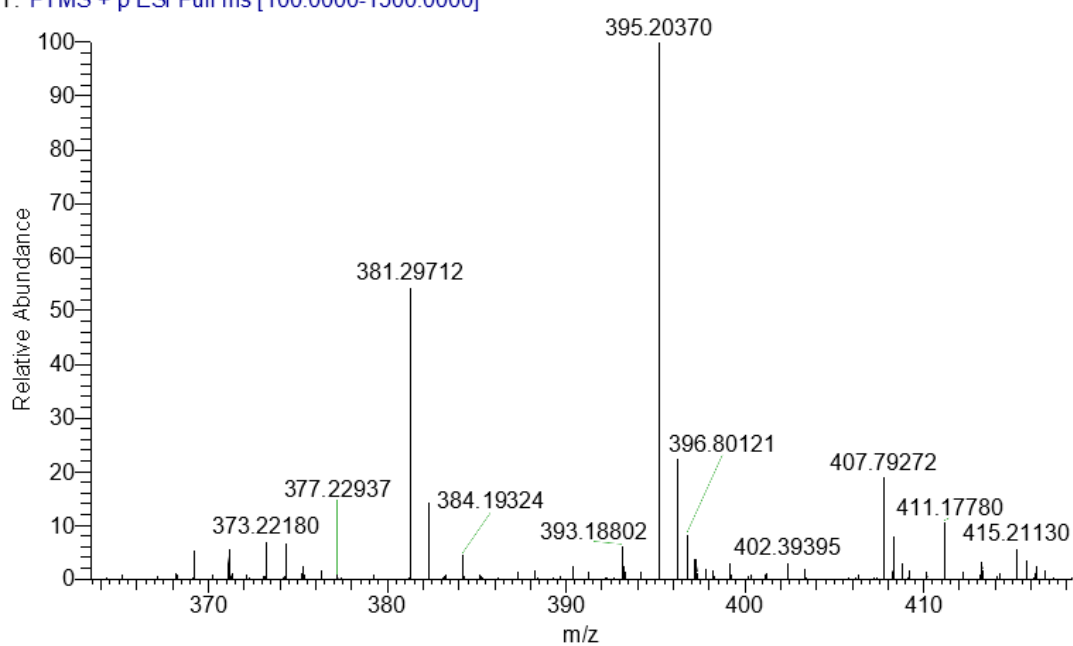


Figure S26. HRESIMS of compound **3**

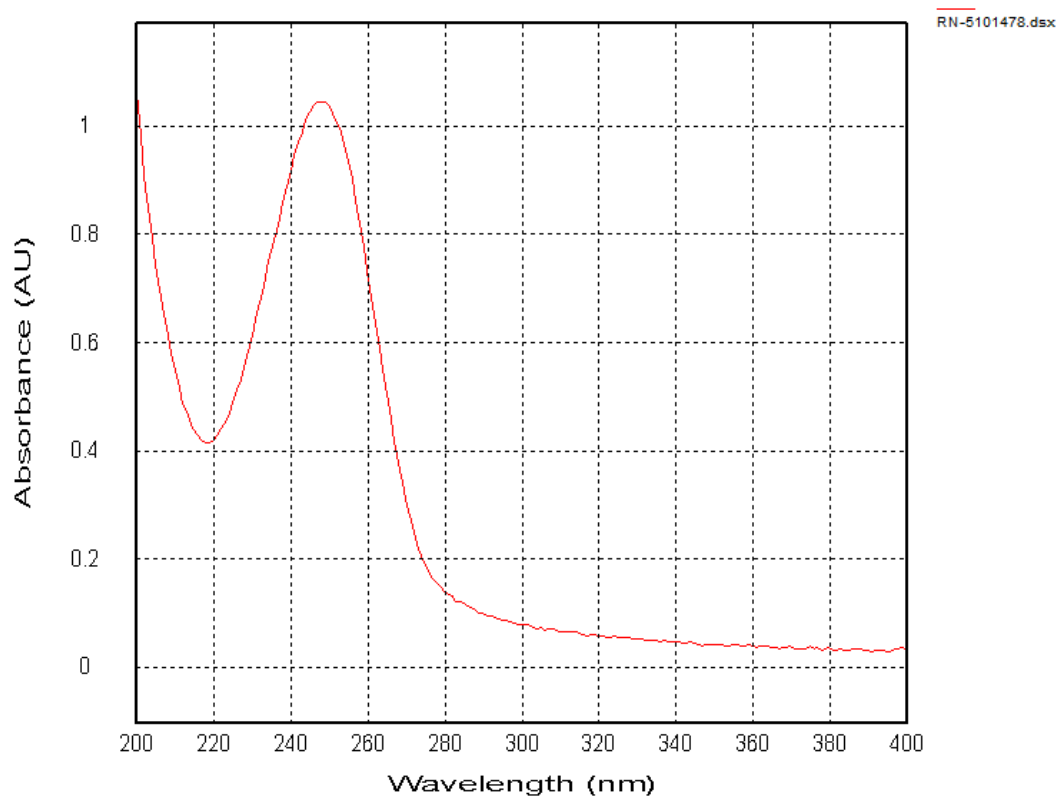


Figure S27. UV spectrum of compound 3 (MeOH)

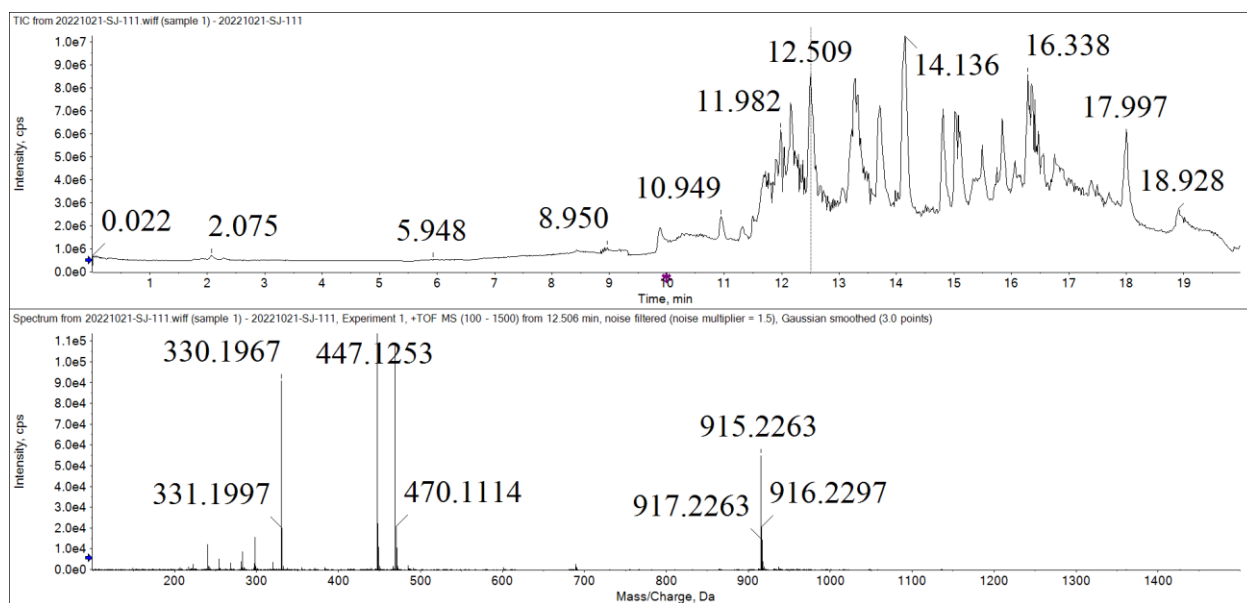


Figure S28. LC-MS spectrum of the glucose moiety of compound 3

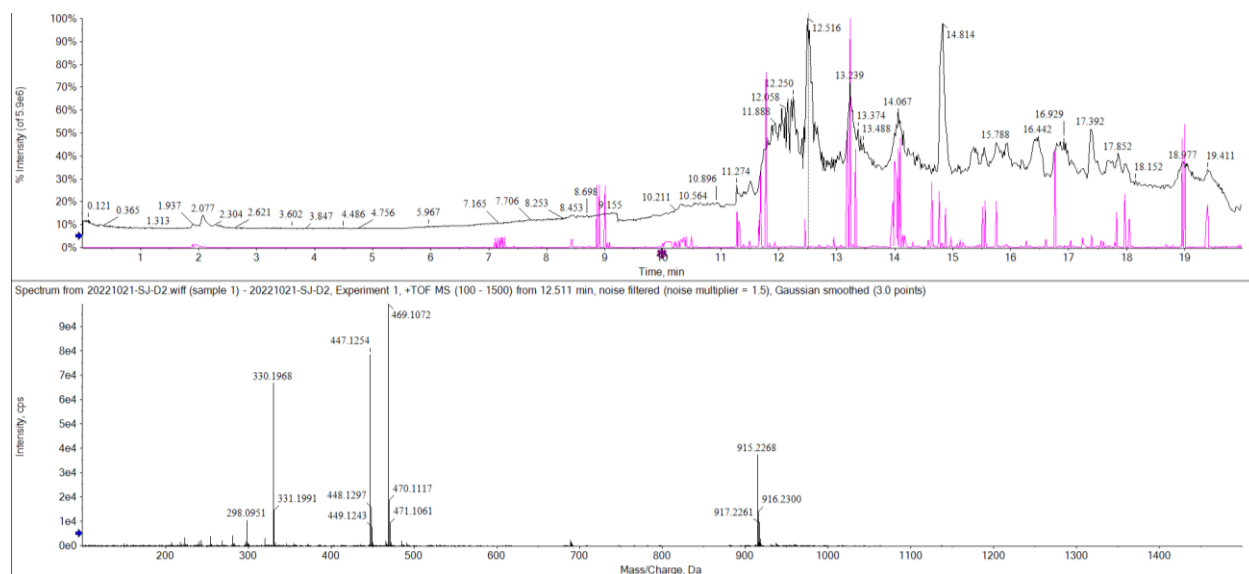


Figure S29. LC-MS spectrum of the D-glucose