Supporting Information

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Trimacoside A, a High Molecular Weight Antioxidant Phenylpropanoid Glycoside from *Tricyrtis maculate*

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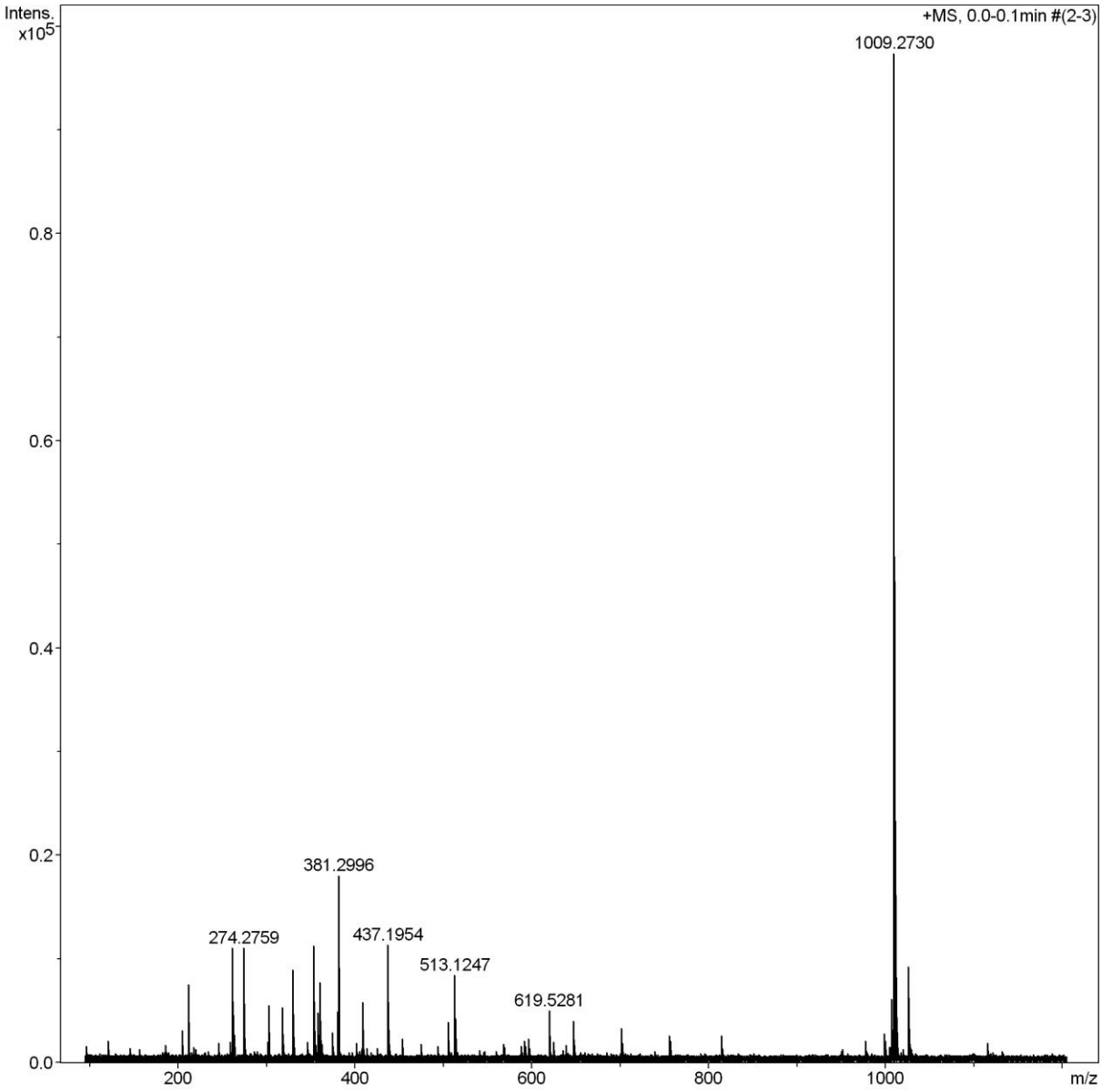

Figure S1: HR-ESI-MS spectrum of compound **1**

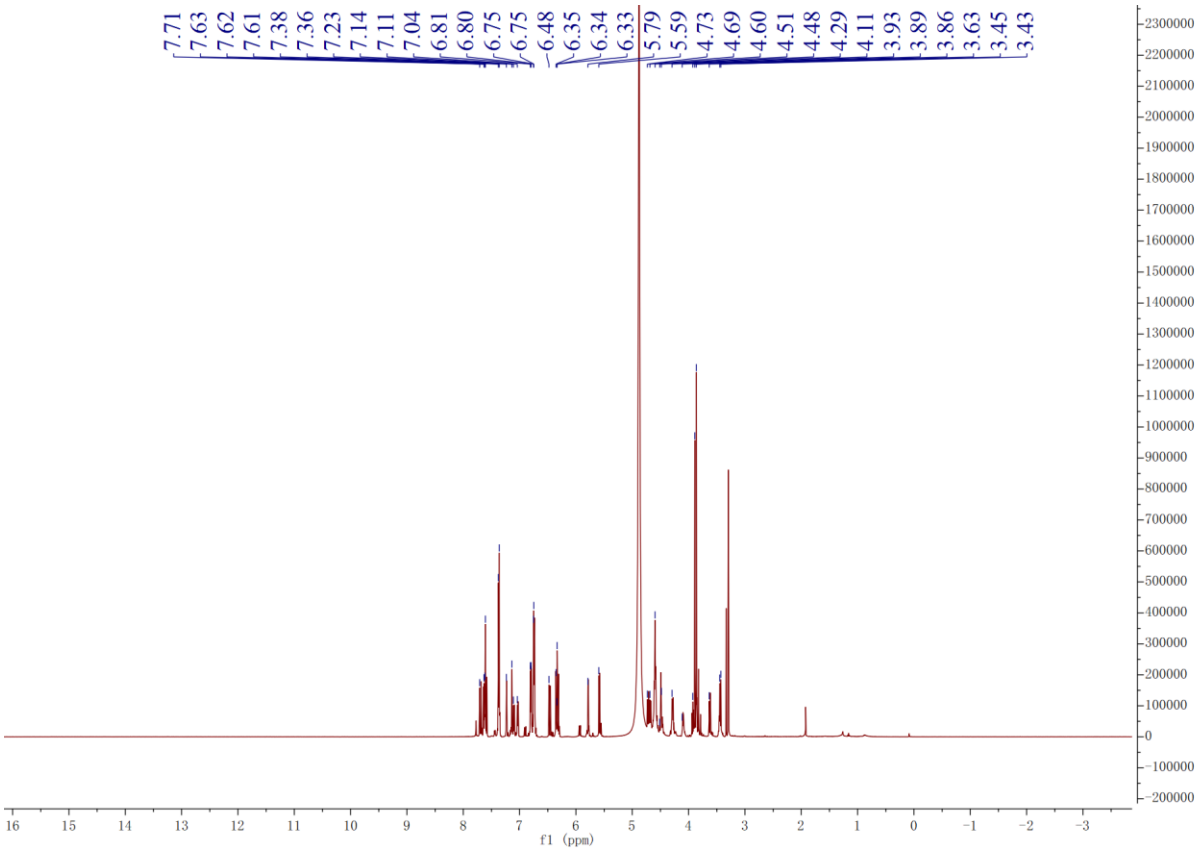

Figure S2: ^{1}H NMR spectrum of compound **1** (CD_3OD)

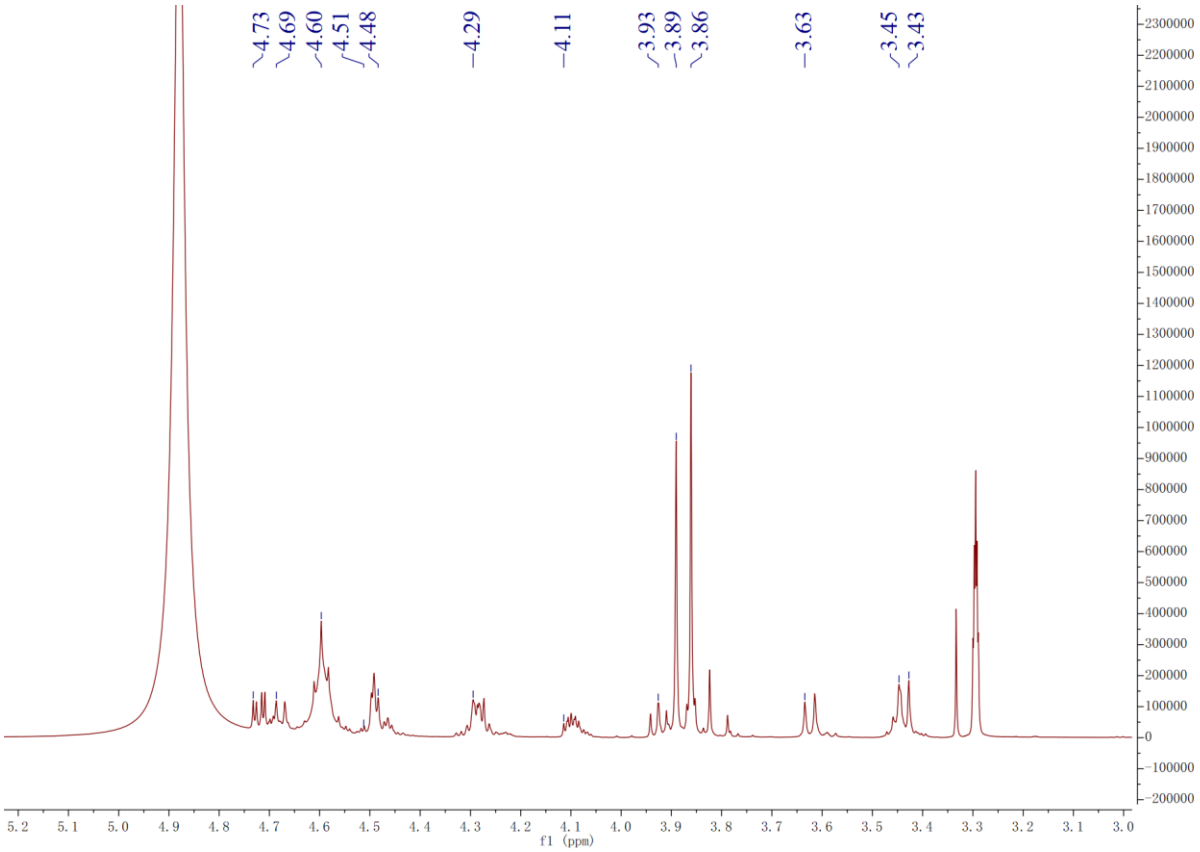

Figure S3: ^{1}H NMR spectrum of compound **1** (CD_3OD) (From δ_H 3.0 ppm to δ_H 5.2 ppm)

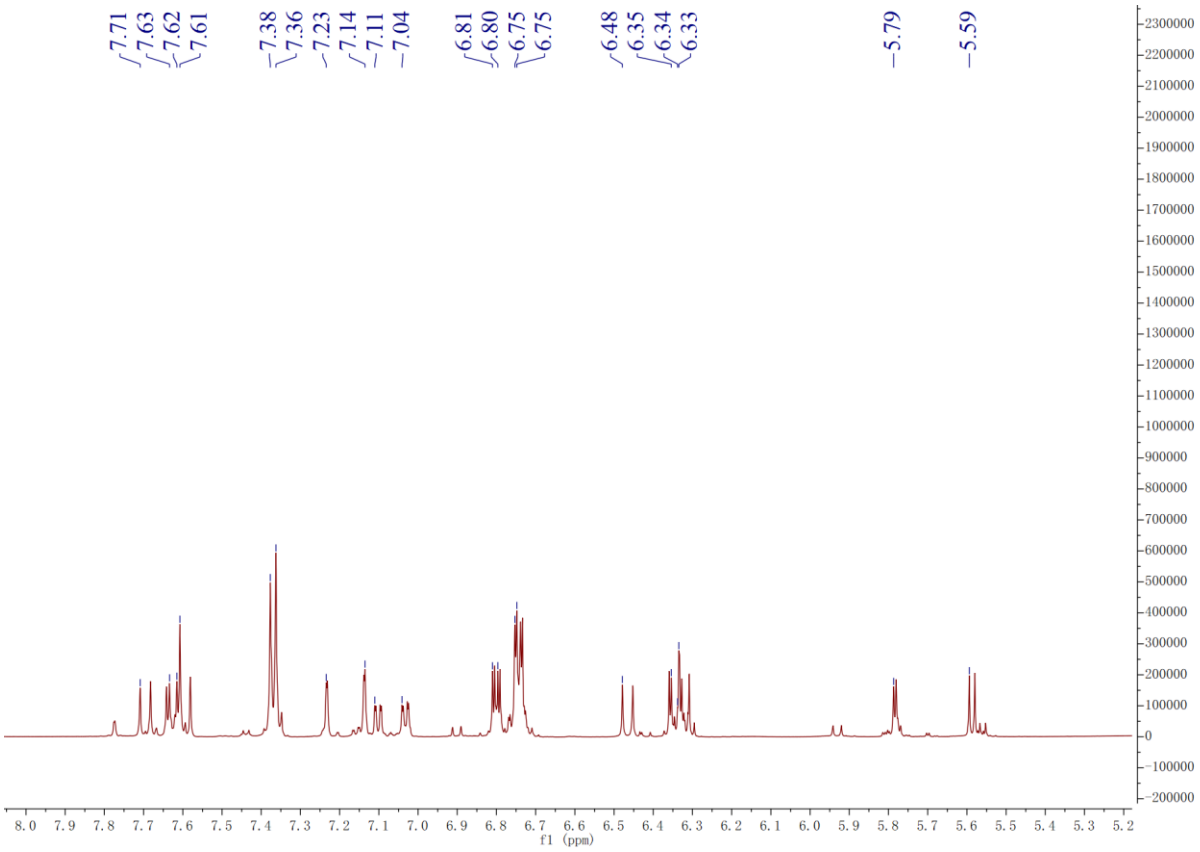

Figure S4: ^{1}H NMR spectrum of compound **1** (CD_3OD) (From δ_H 5.2 ppm to δ_H 8.0 ppm)

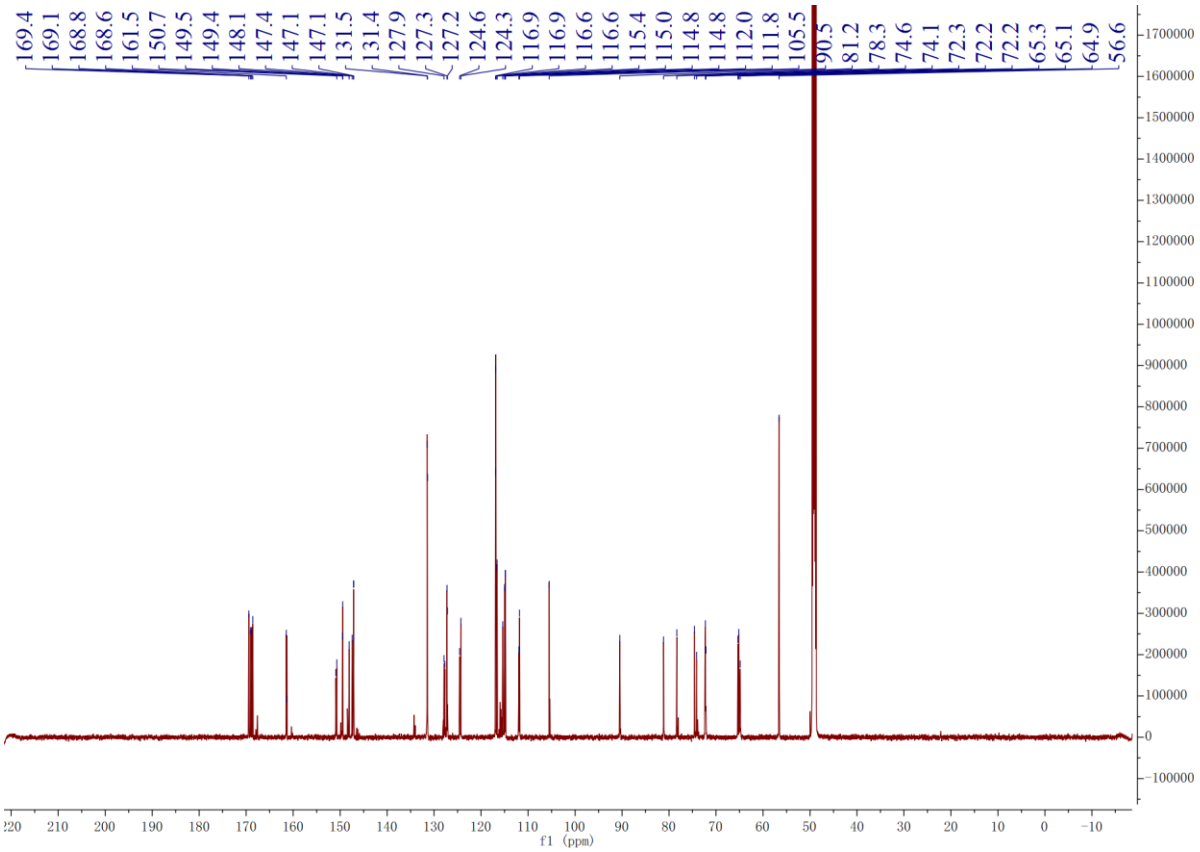

Figure S5: ^{13}C NMR spectrum of compound **1** (CD_3OD)

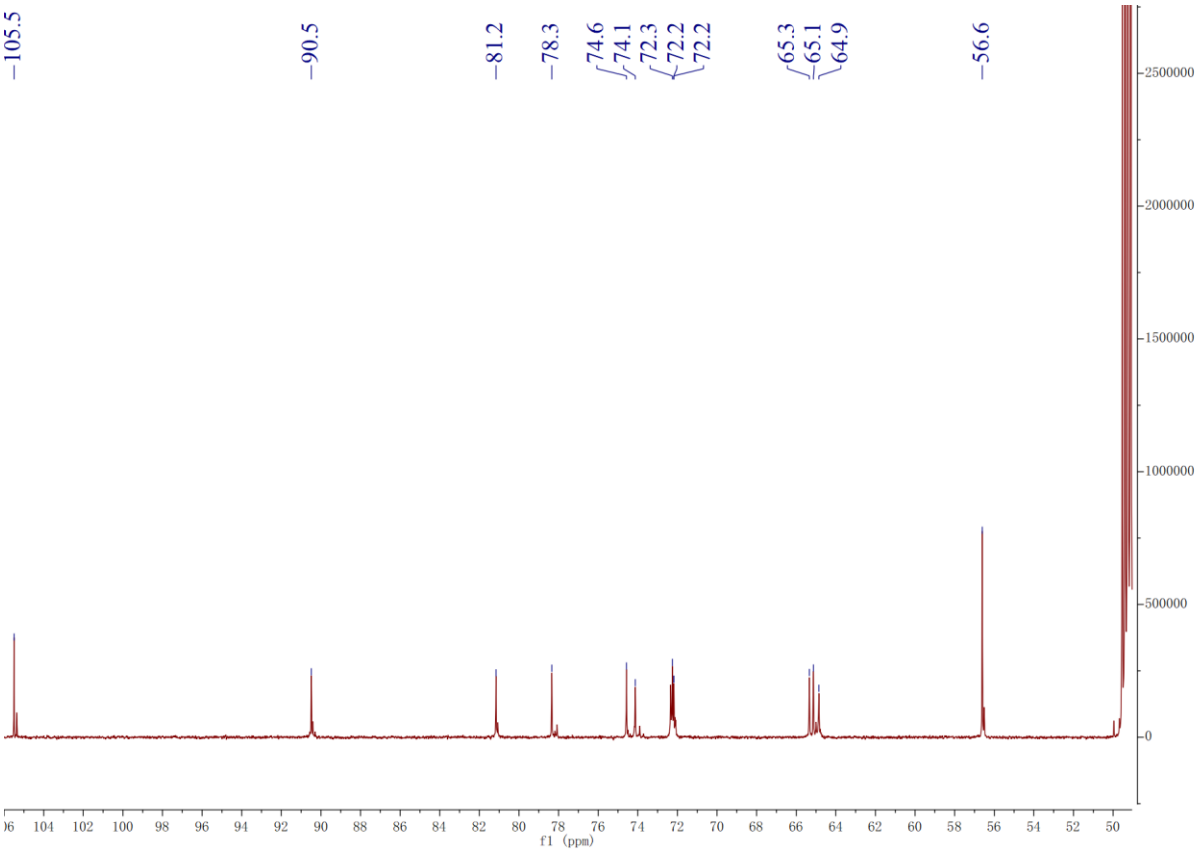

Figure S6: ^{13}C NMR spectrum of compound **1** (CD_3OD) (From δ_C 50 ppm to δ_C 105 ppm)

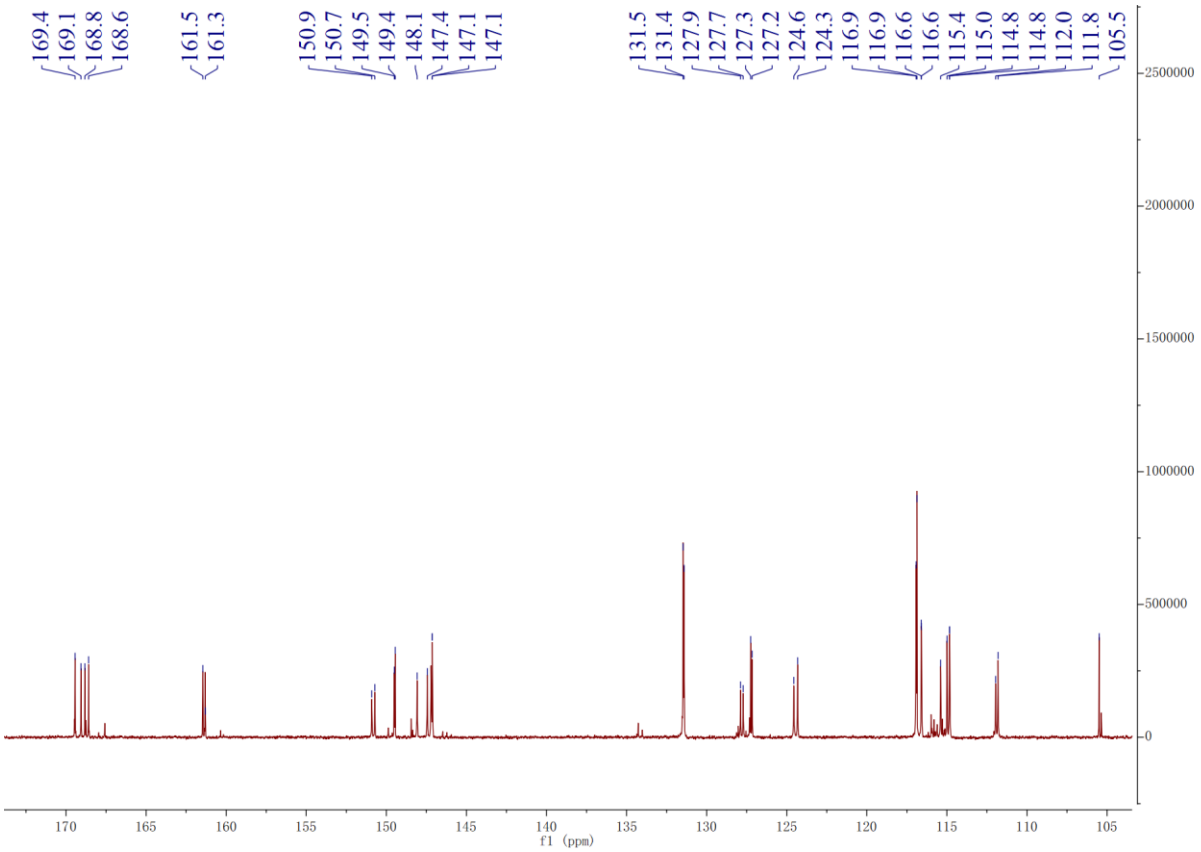

Figure S7: ^{13}C NMR spectrum of compound **1** (CD_3OD) (From δ_C 105 ppm to δ_C 175 ppm)

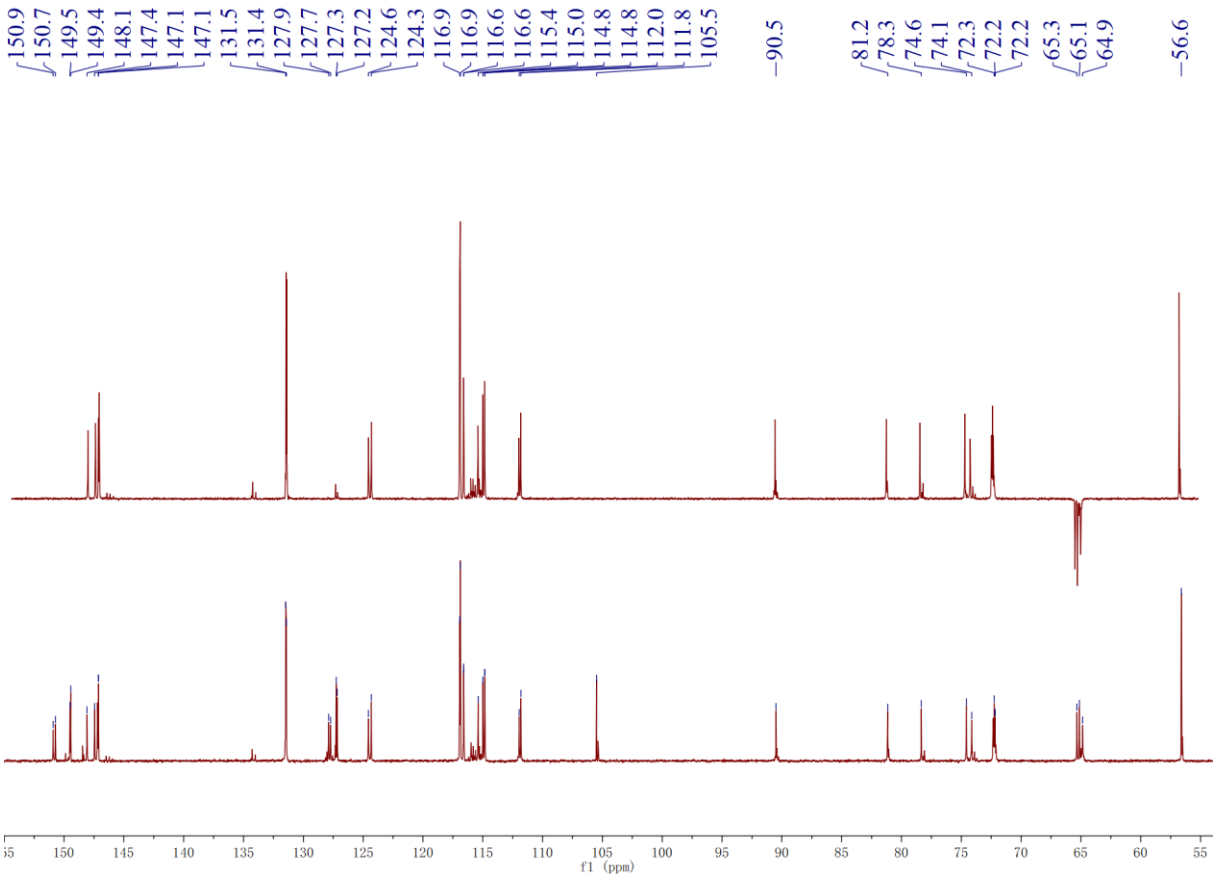

Figure S8: DEPT135 spectrum of compound **1** (CD_3OD)

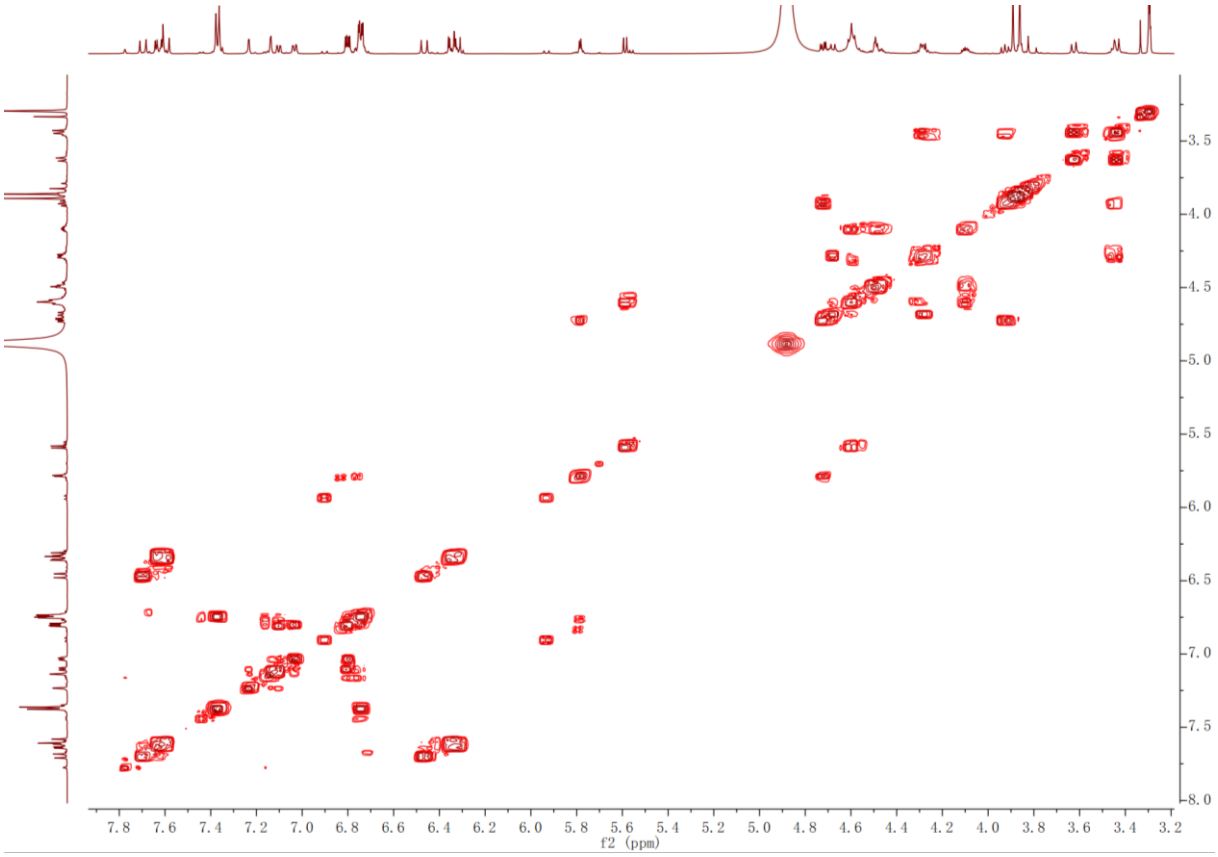

Figure S9: ^{1}H-^{1}H COSY spectrum of compound **1** (CD_3OD)

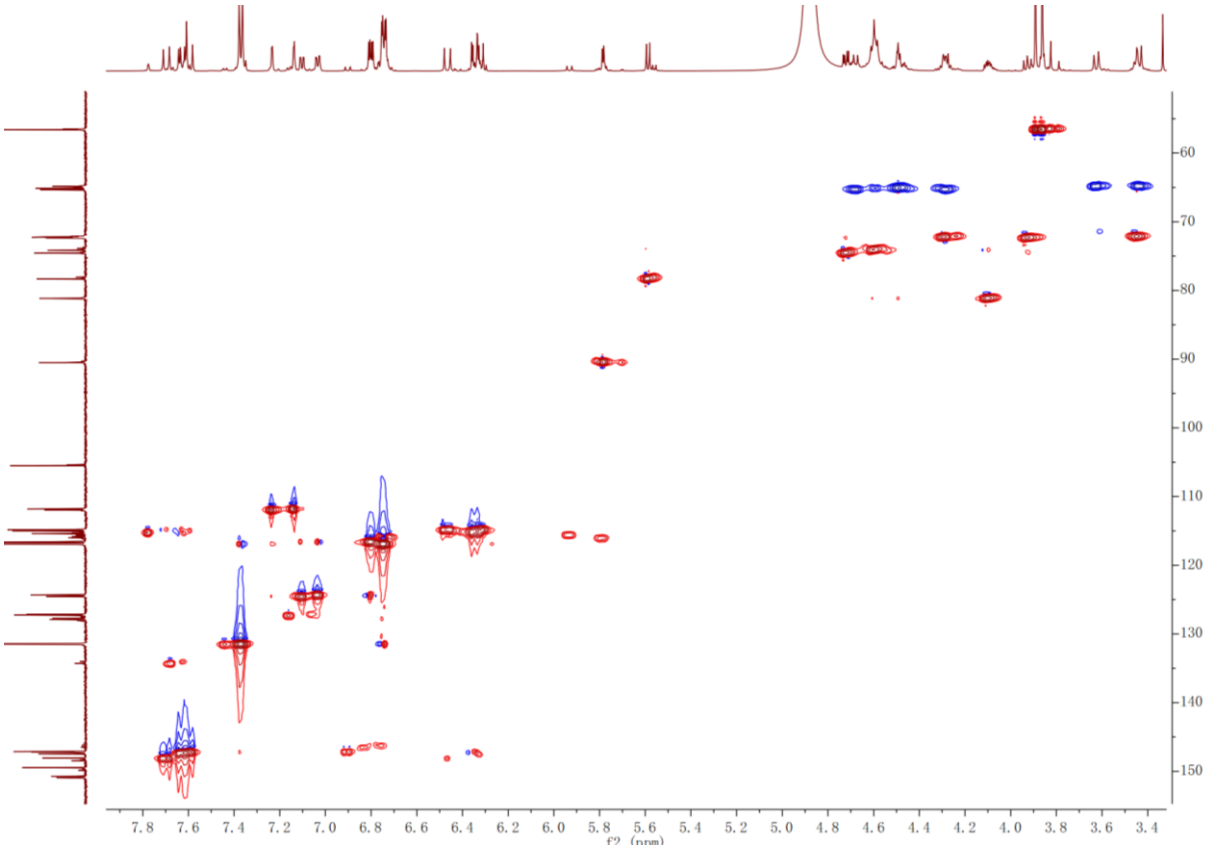

Figure S10: HSQC spectrum of compound **1** (CD_3OD)

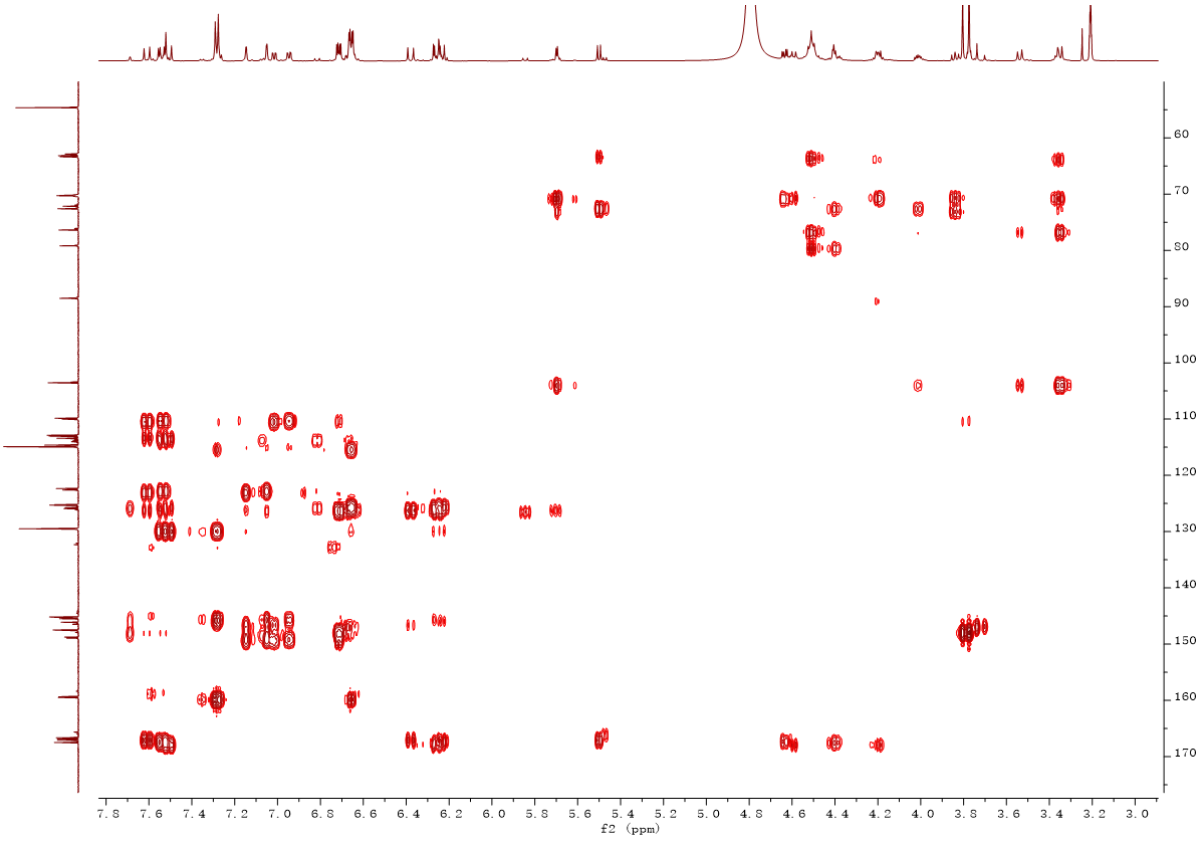

Figure S11: HMBC spectrum of compound **1** (CD_3OD)

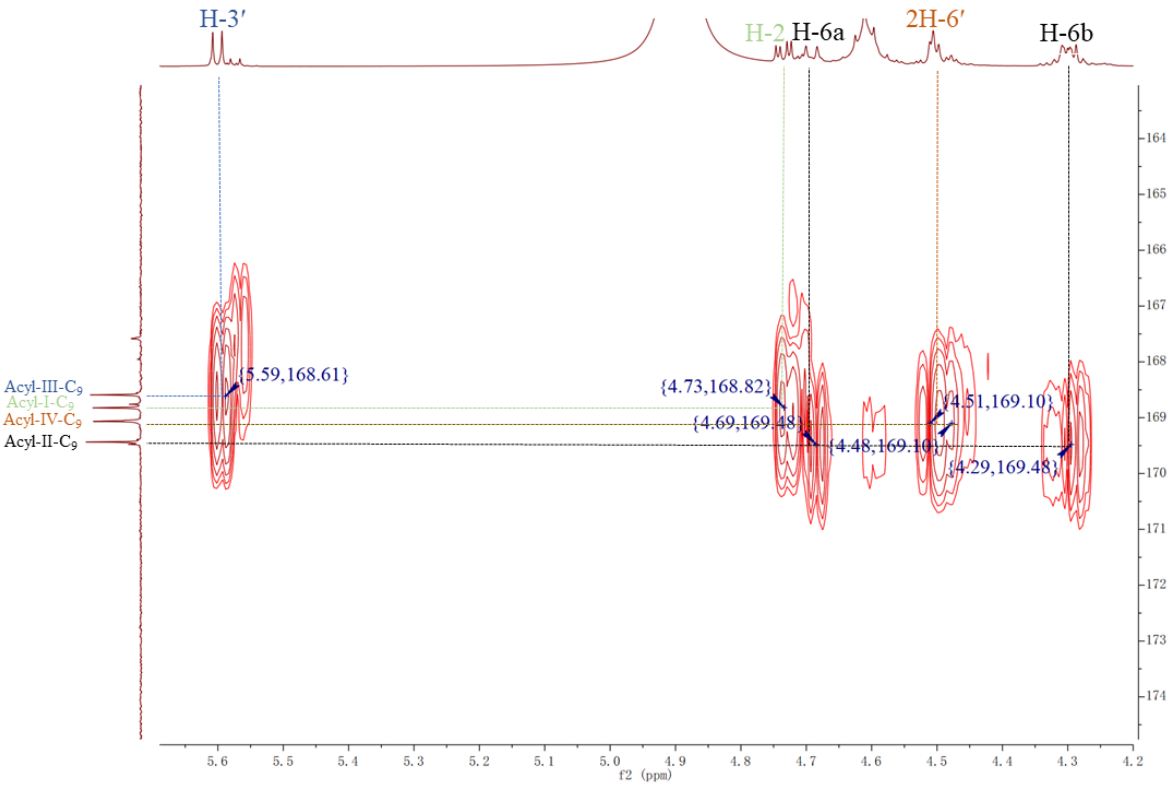

Figure S12: HMBC spectrum of compound **1** (CD_3OD) (From δ_H 4.2 ppm to δ_H 5.7 ppm)

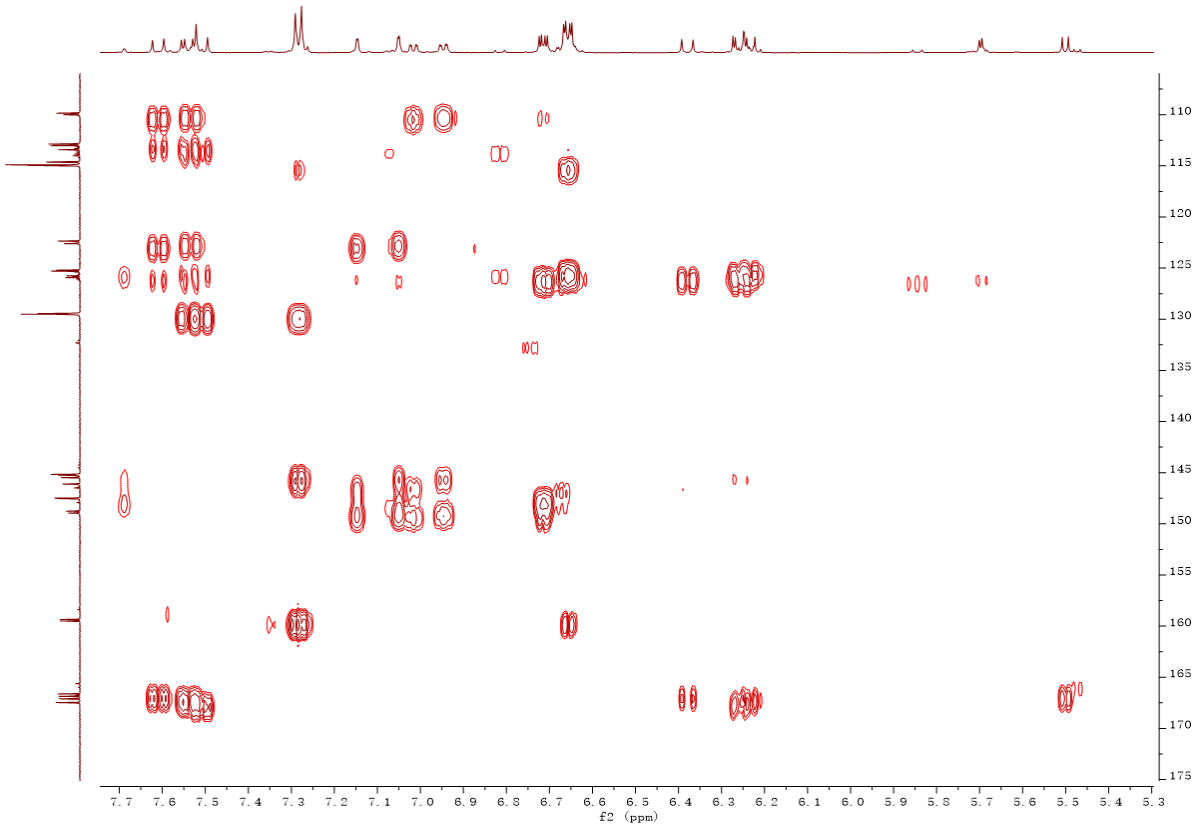

Figure S13: HMBC spectrum of compound **1** (CD_3OD) (From δ_H 5.3 ppm to δ_H 7.7 ppm)

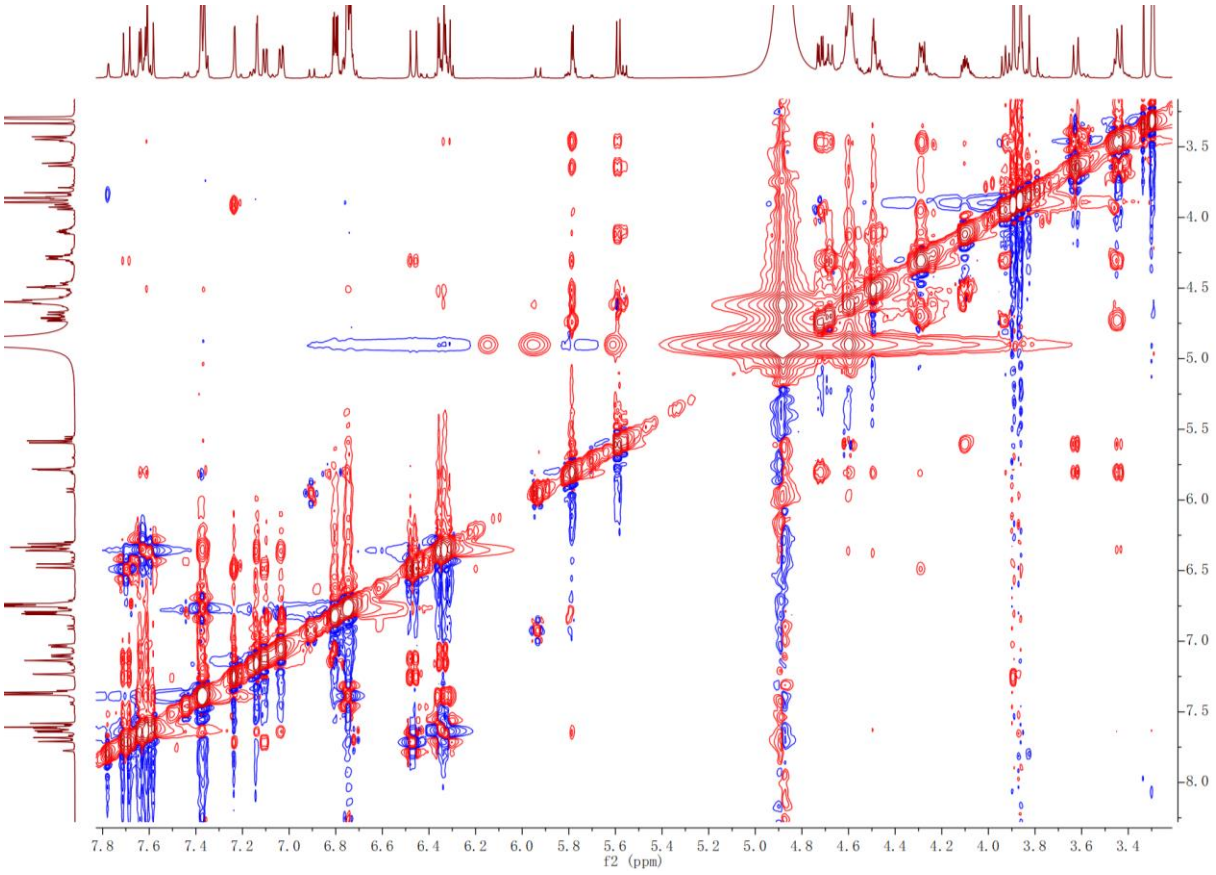

Figure S14: NOESY spectrum of compound **1** (CD_3OD)

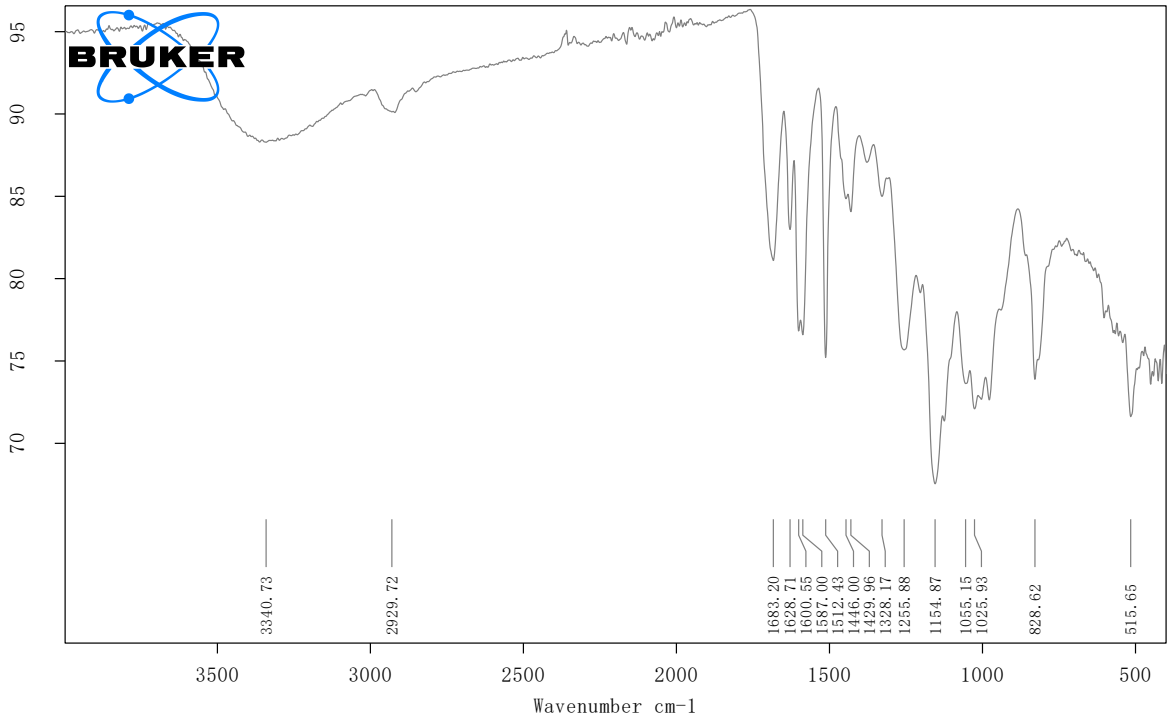

Figure S15: IR spectrum of compound **1**

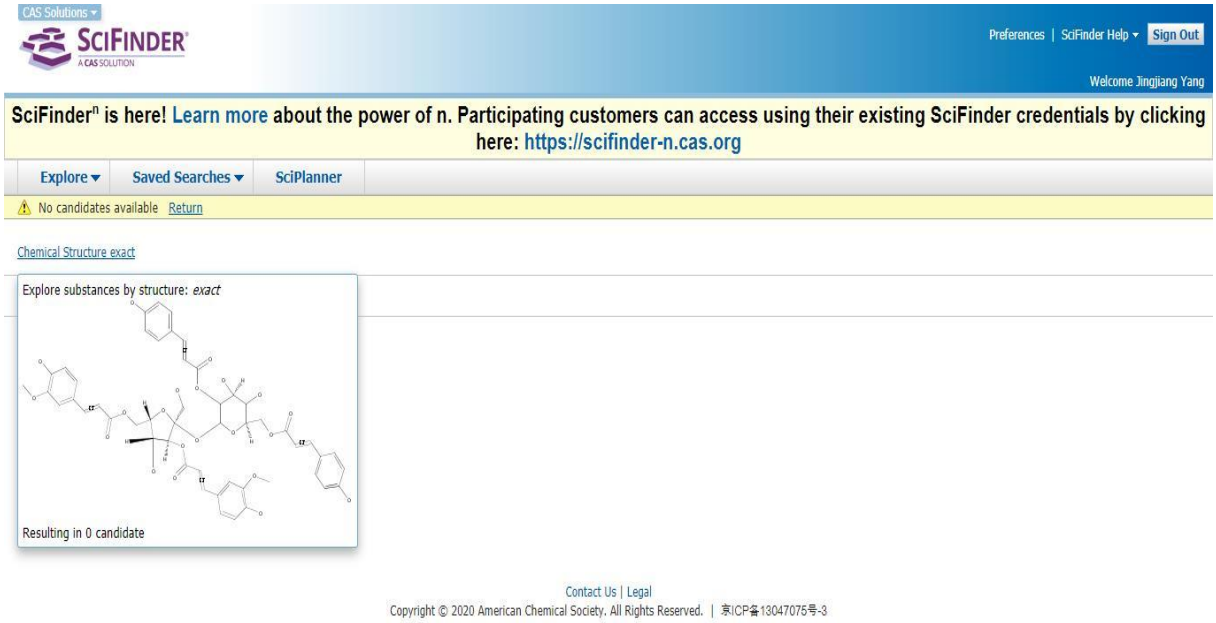

Figure S16: The scifinder search for the novelty of compound **1**

Alkaline Hydrolysis of Compound 1.

The compound **1** (9 mg) was mixed with aqueous NH_4OH (4 mM) and heated at 50 ℃ for 4 hours. Subsequently, adjusted the reaction mixture with formic acid (2 M) to PH = 3 to form a standby hydrolysate. The hydrolysate was extracted by adding EtOAc (3 × 3 mL) to form organic layer and aqueous layer. The organic layer was discarded and the aqueous layer was repeatedly dried and reconstituted in distilled water in vacuo to remove residual ammonium formate. By comparing the hydrolysis product with sucrose standard, the absolute configuration of compound **1** was finally determined to be consistent with sucrose. Therefore, the sugar residues were determined as D configuration.