

Supplementary Materials

A New Lignanamide from the Root of *Lycium yunnanense* Kuang and Its Antioxidant Activity

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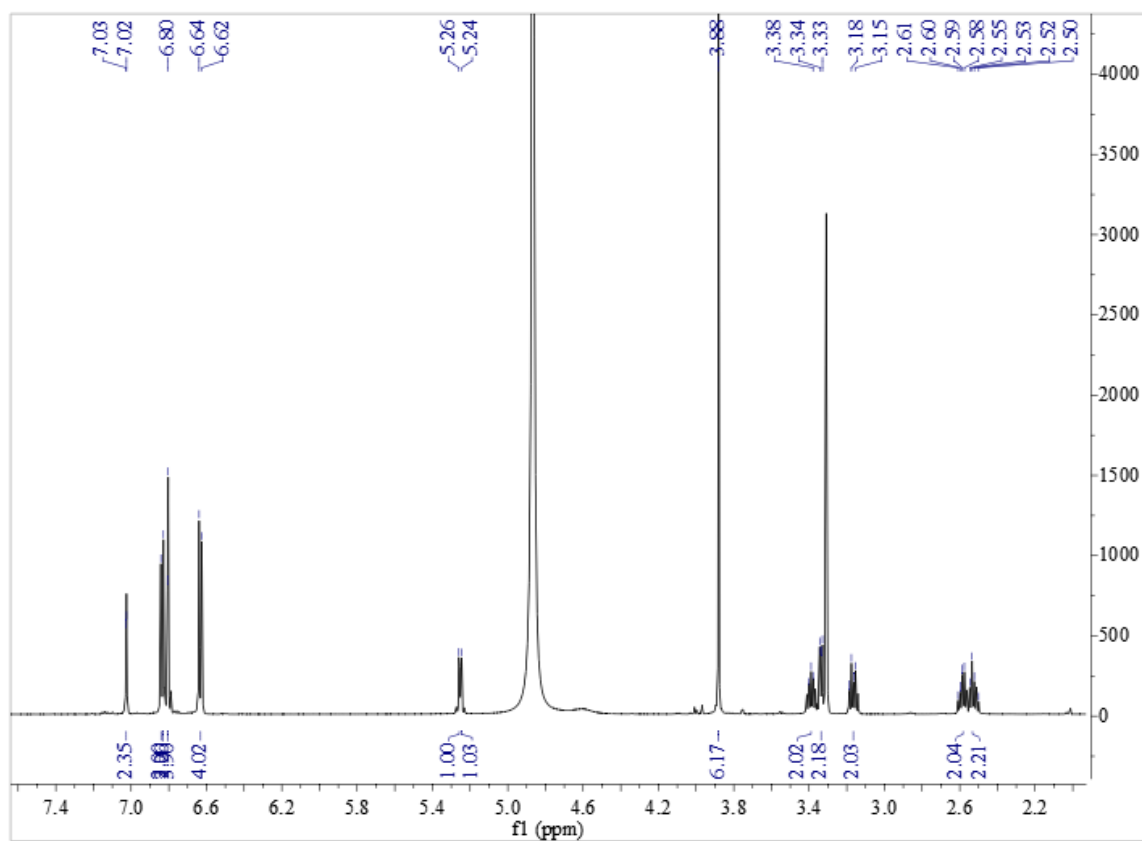


Figure S1-1. ^1H NMR spectrum (600 MHz) of compound **1** in methanol- d_4

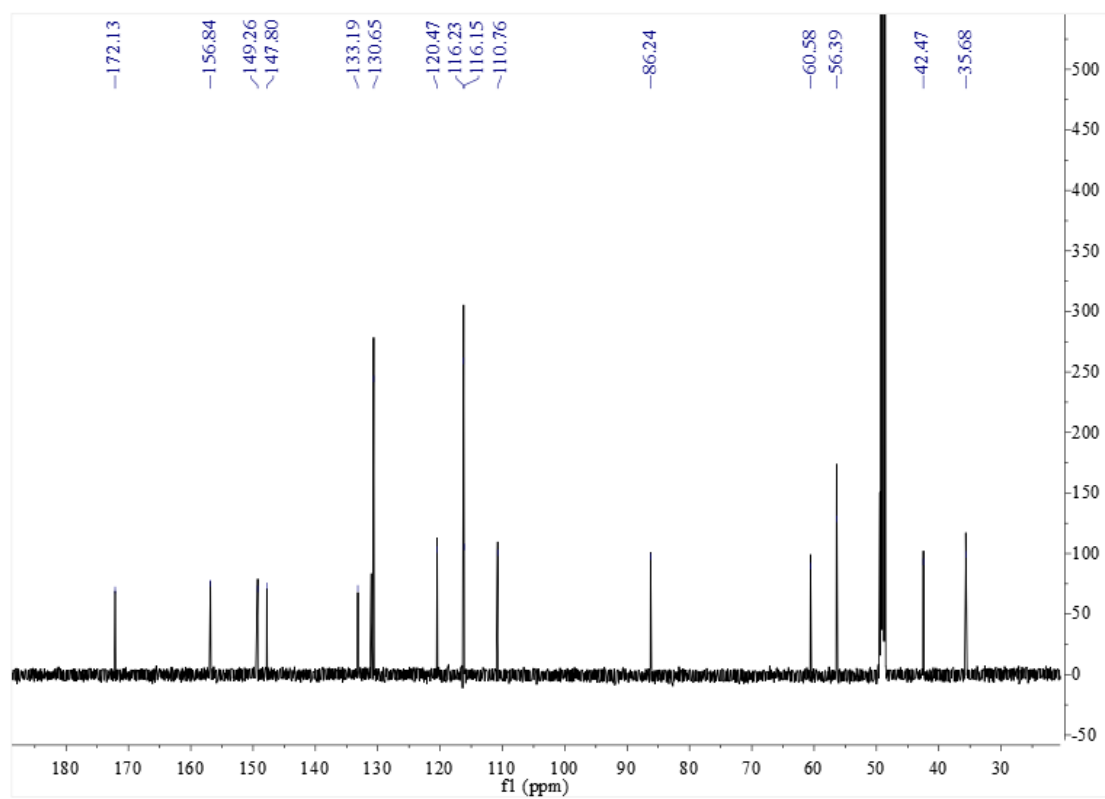


Figure S1-2. ^{13}C NMR spectrum (150 MHz) of compound **1** in methanol- d_4

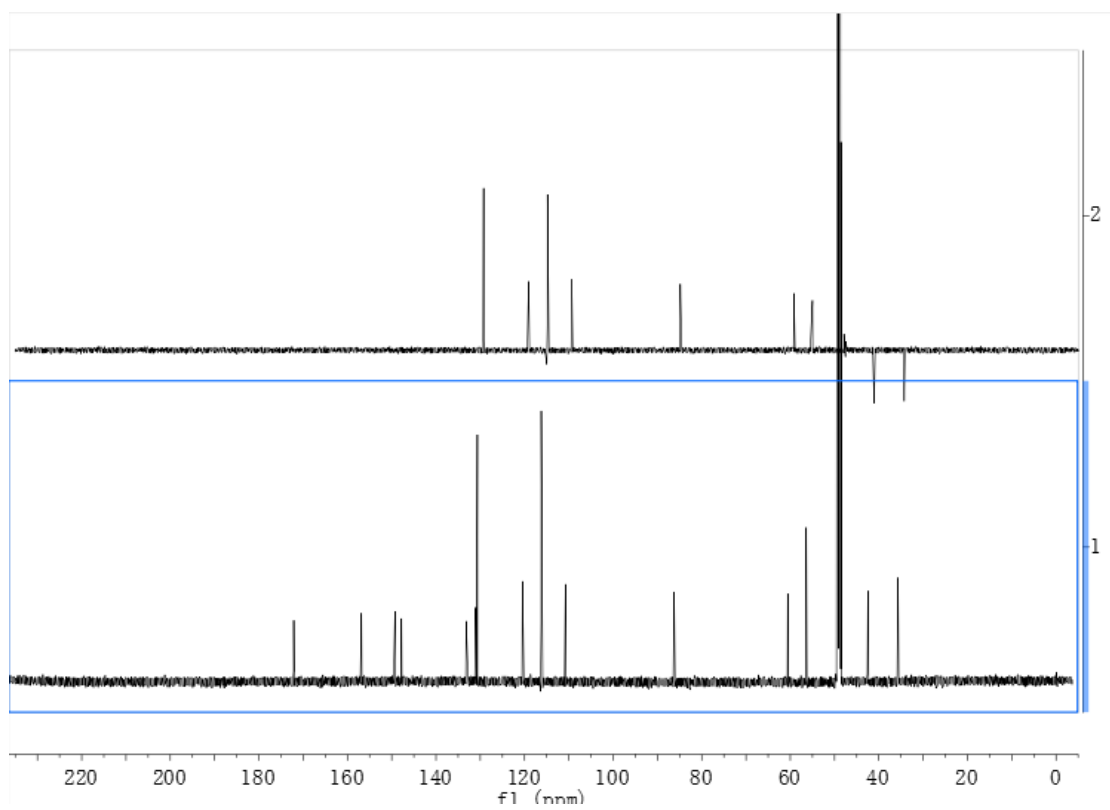


Figure S1-3. DEPT-135 spectrum (150 MHz) of compound **1** in methanol-*d*₄

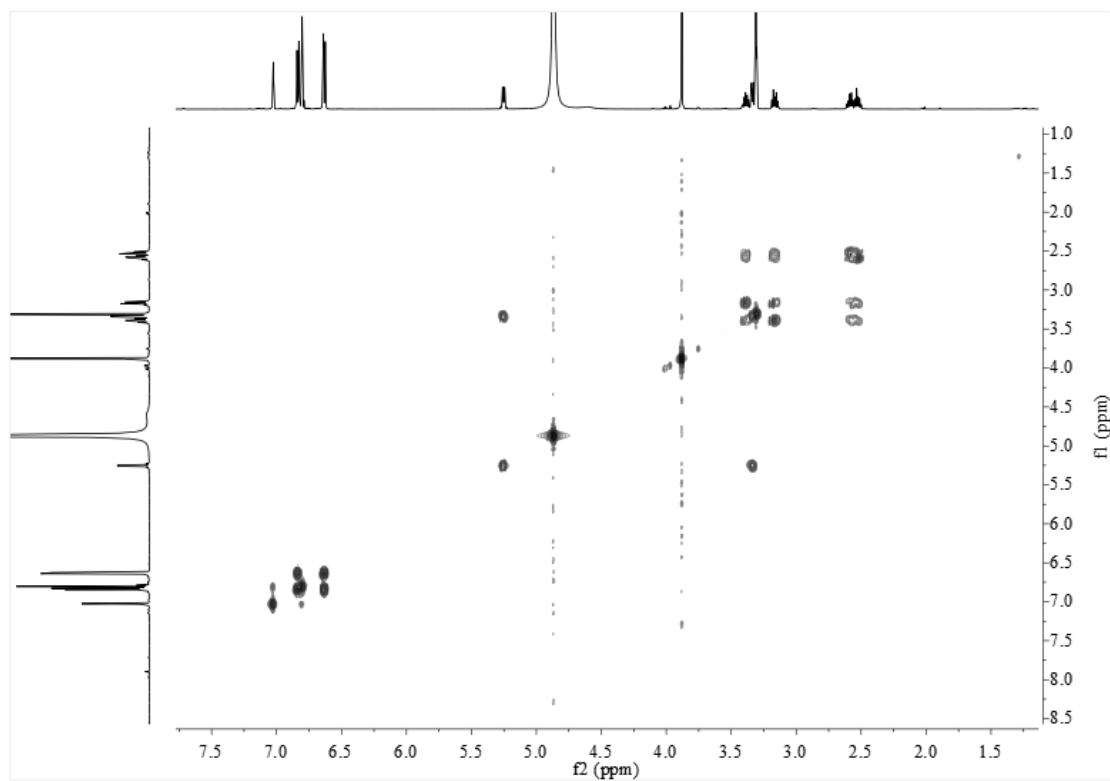


Figure S1-4. ¹H-¹H COSY spectrum (600 MHz) of compound **1** in methanol-*d*₄

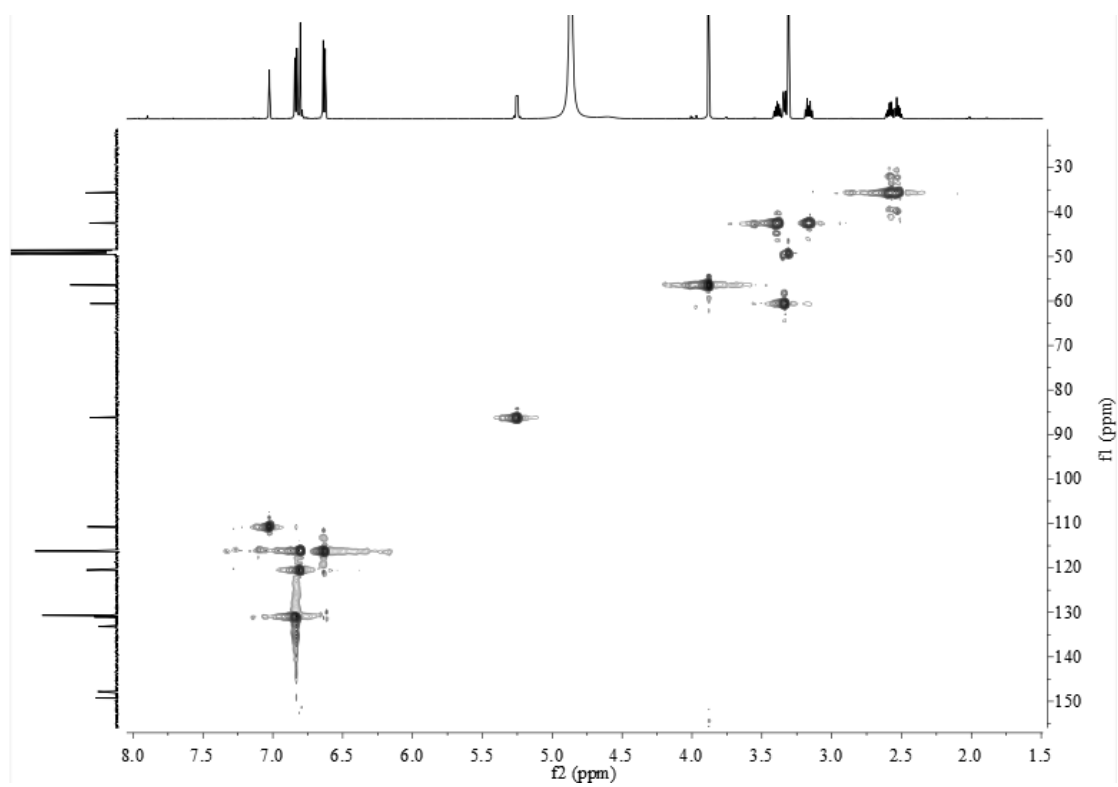


Figure S1-5. HMBC spectrum (150 MHz) of compound **1** in methanol- d_4

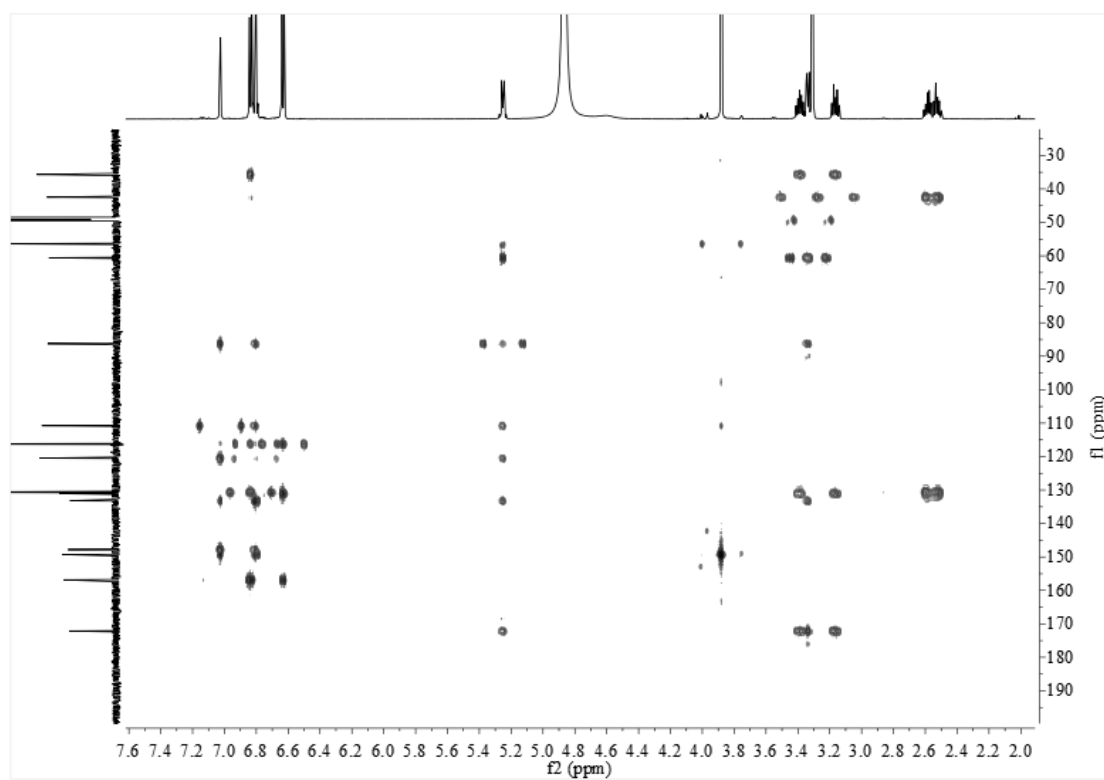


Figure S1-6. HMBC spectrum (150 MHz) of compound **1** in methanol- d_4

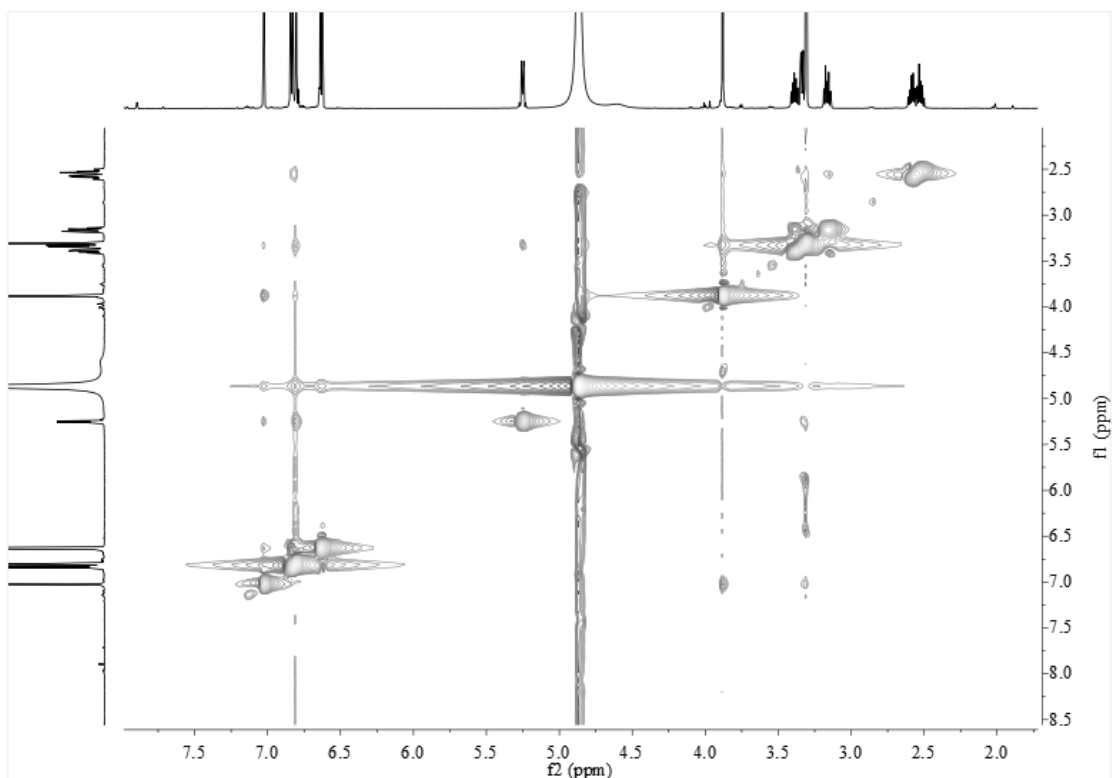


Figure S1-7. NOESY spectrum (600 MHz) of compound **1** in methanol-*d*₄

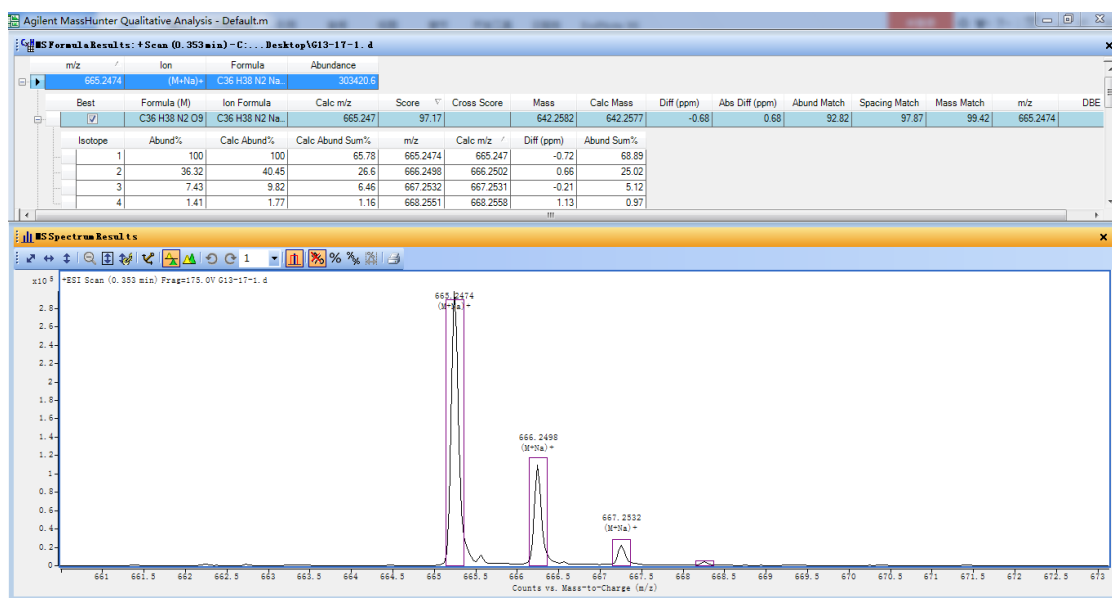


Figure S1-8. HR-ESI-MS of compound **1**

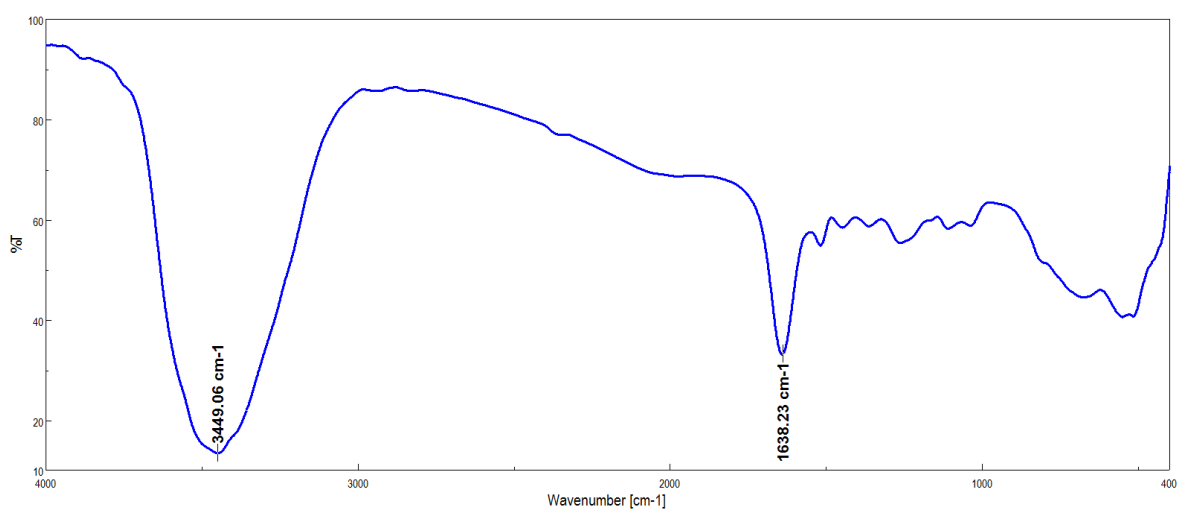


Figure S1-9. IR spectrum of compound **1**

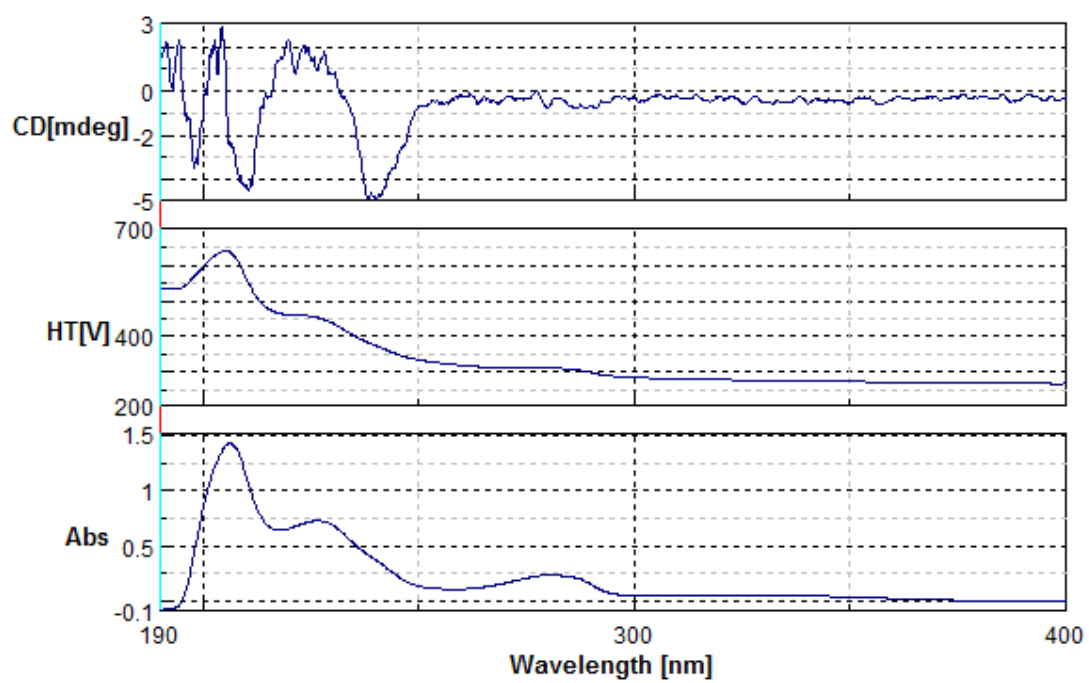


Figure S1-10. CD spectrum and UV spectrum of compound **1** in MeOH

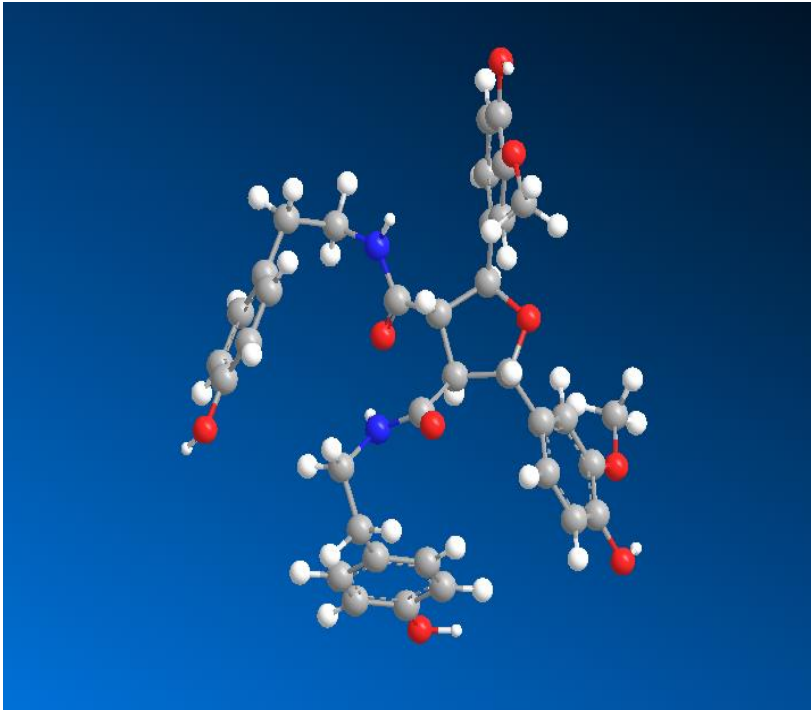
Label	Conformer	Boltzmann weighting factors
C1		99.81%

Figure S1-11. B3LYP/6-31 G optimized lowest energy 3D conformer of **1**.

Comound	conformer	ΔE (kcal/mol)	Population (%)
1	C1	0	99.81
	C2	0.0066495	0.09
	C3	0.0066496	0.09
	C4	0.0080866	0.02

^aRelative to conformer C1 with E6-31+G(d) = -2181.8637403 Kcal/mol. ^bCalculated using free energy values from Gaussian 03W according to $\Delta G = -RT \ln K$.

Table S1. B3LYP-Calculated relative energies (kcal mol⁻¹) and conformational population (%) for the most stable conformers of (7*S*,7'*S*,8*S*,8'*S*)-**1**.

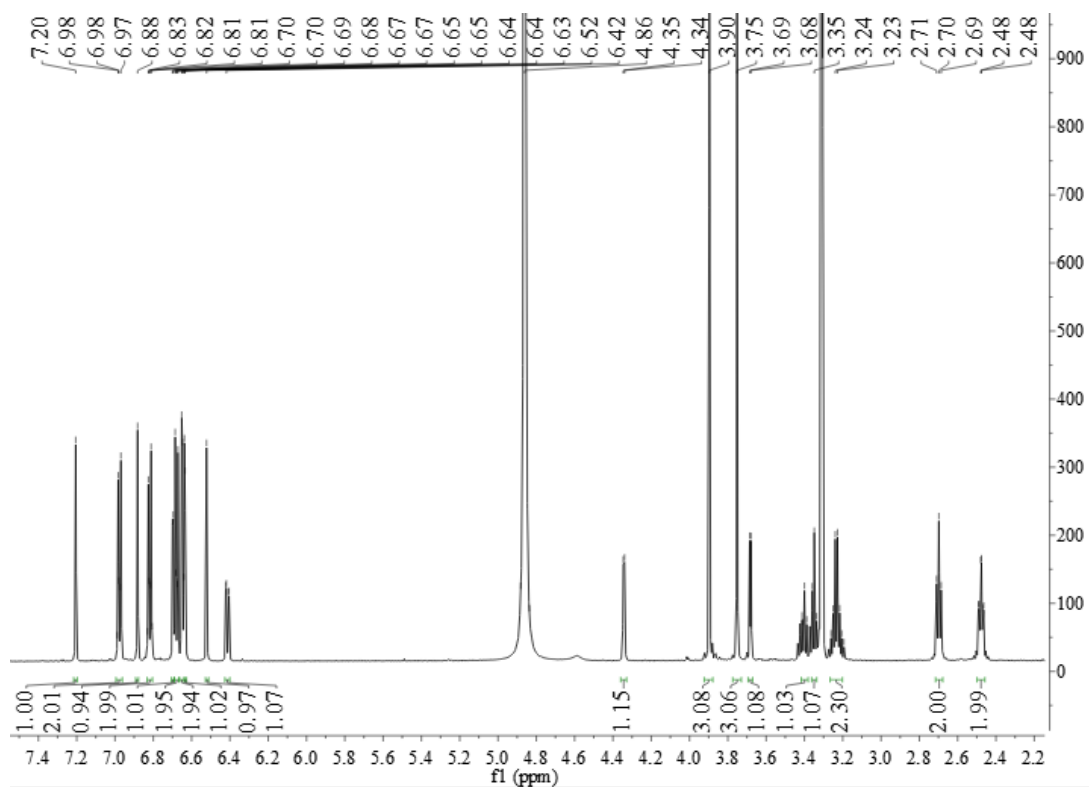


Figure S2-1. ^1H NMR spectrum (600 MHz) of compound **2** in methanol- d_4

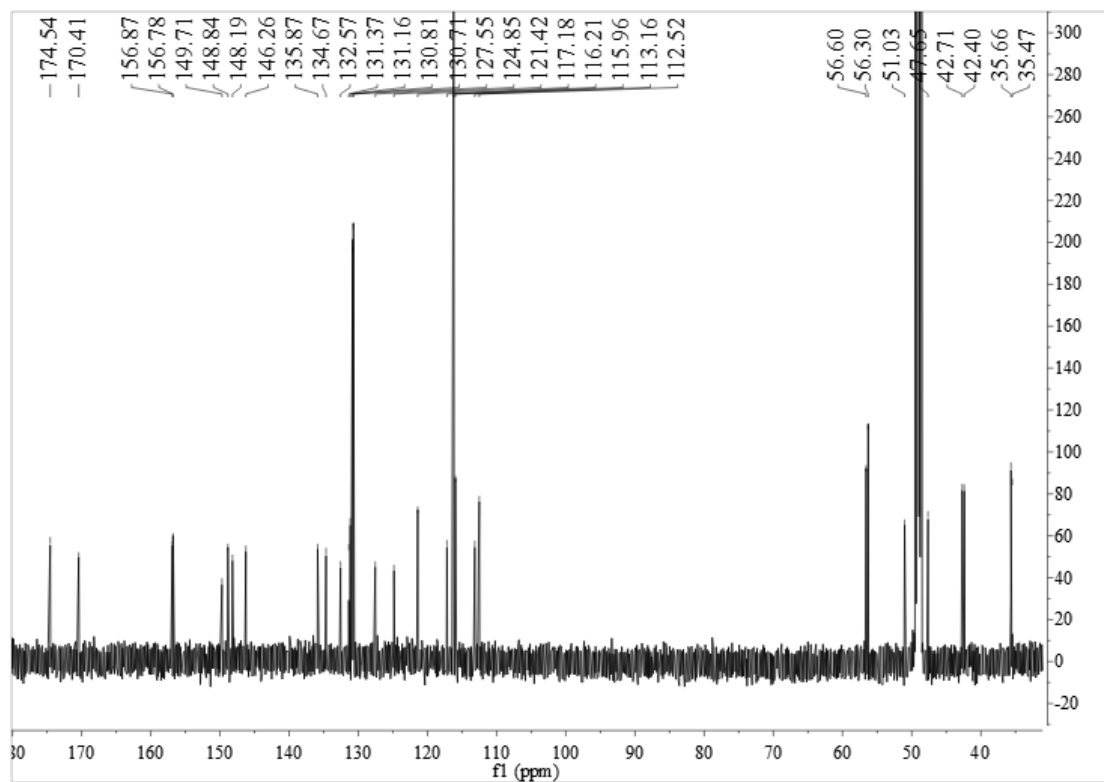


Figure S2-2. ^{13}C NMR spectrum (150 MHz) of compound **2** in methanol- d_4

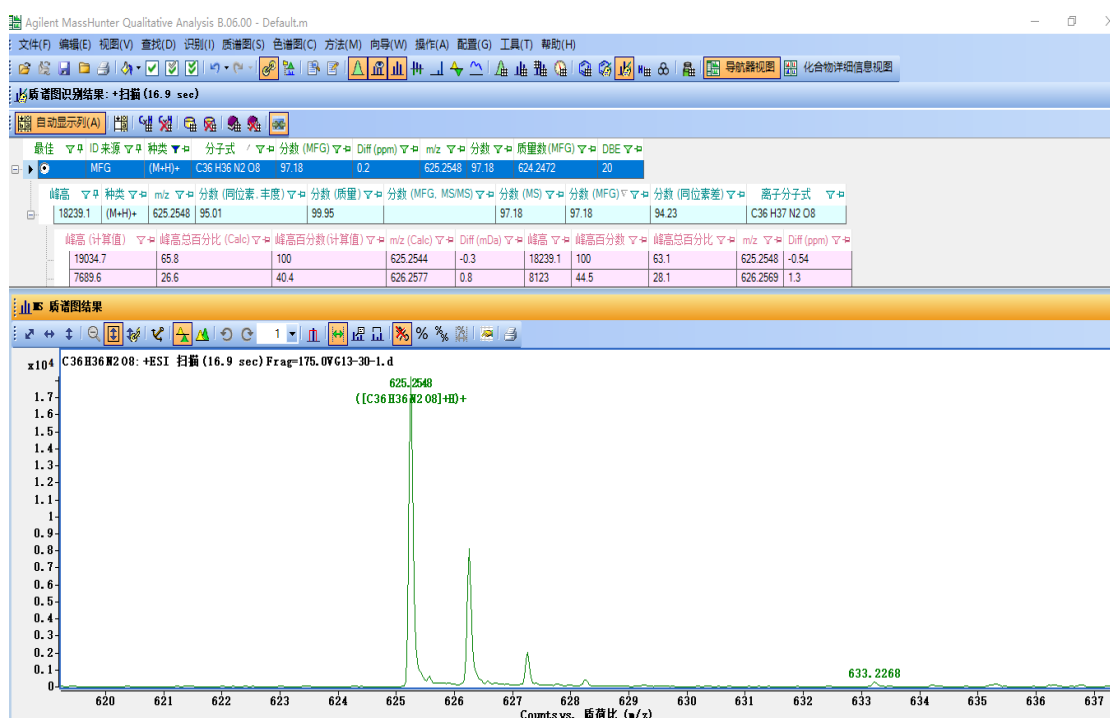


Figure S2-3. HR-ESI-MS of compound 2

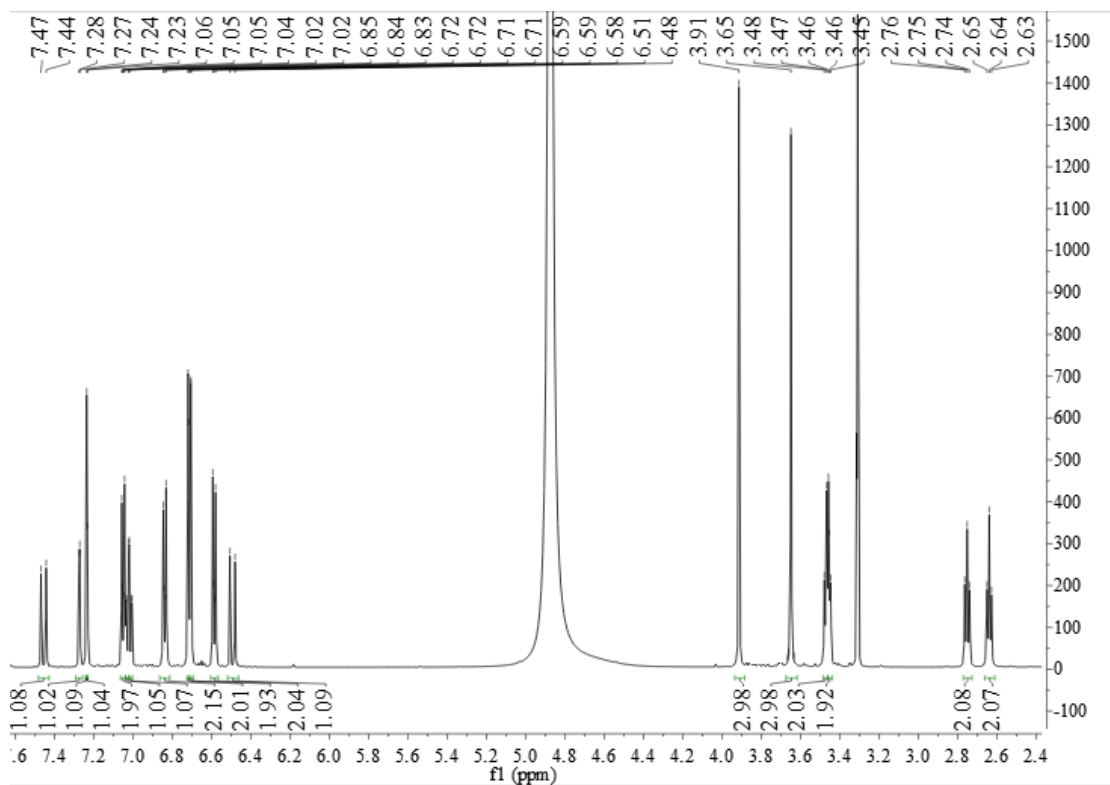


Figure S3-1. ¹H NMR spectrum (600 MHz) of compound 3 in methanol-*d*₄

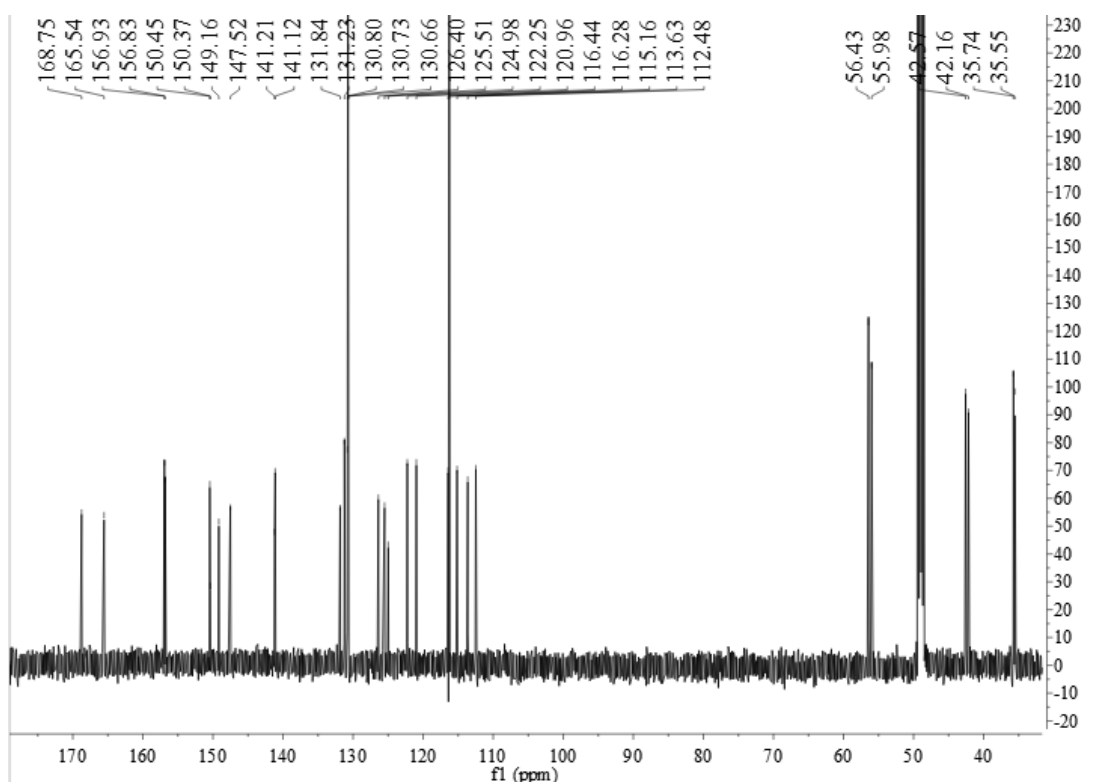


Figure S3-2. ^{13}C NMR spectrum (150 MHz) of compound **3** in methanol- d_4

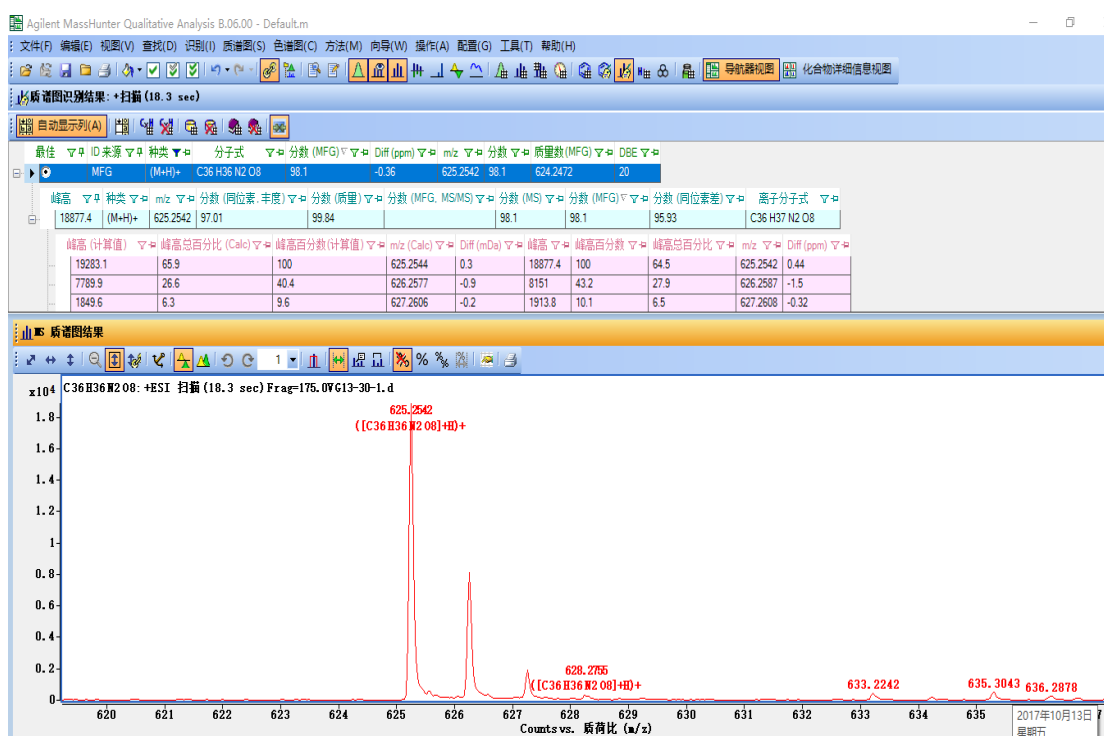


Figure S3-3. HR-ESI-MS of compound **3**

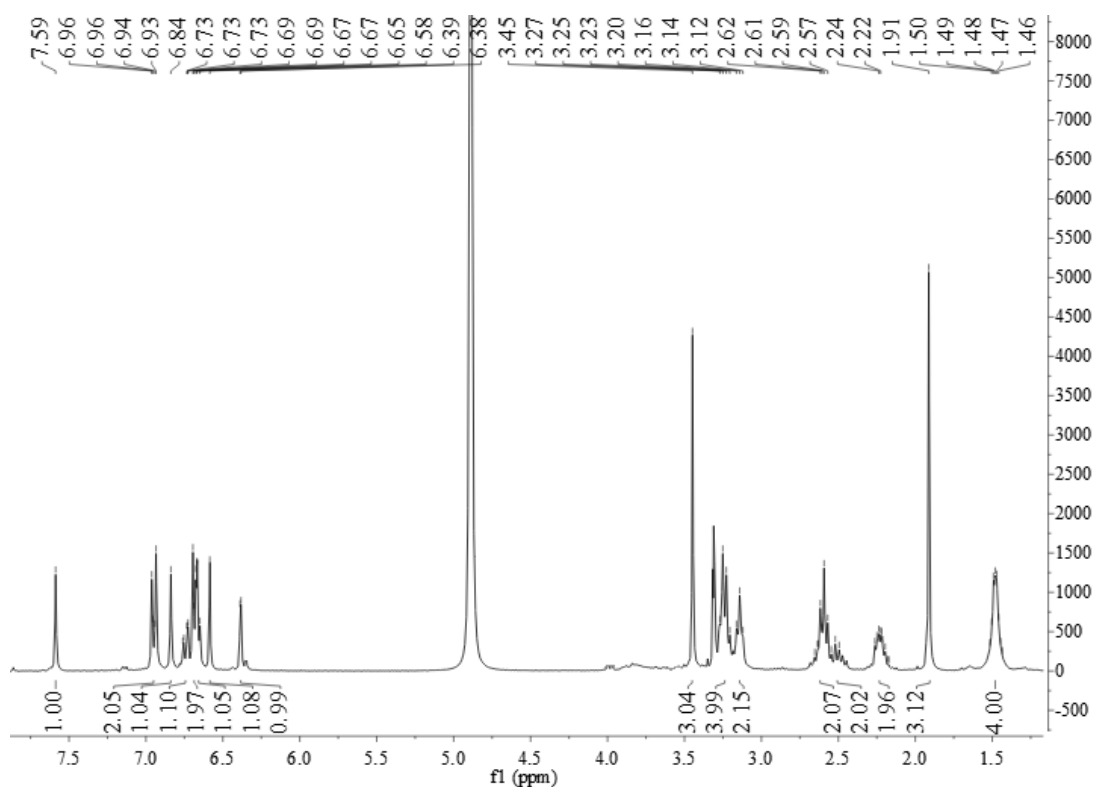


Figure S4-1. ^1H NMR spectrum (300 MHz) of compound **4** in methanol- d_4

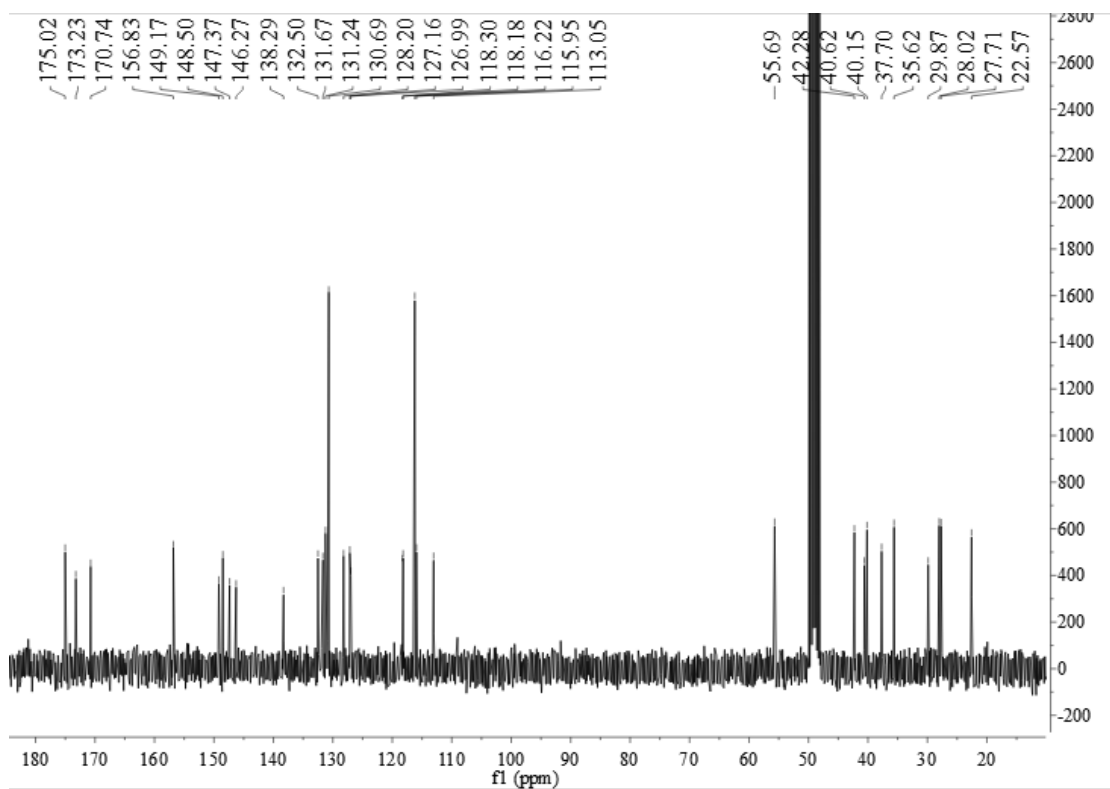


Figure S4-2. ^{13}C NMR spectrum (75 MHz) of compound **4** in methanol- d_4

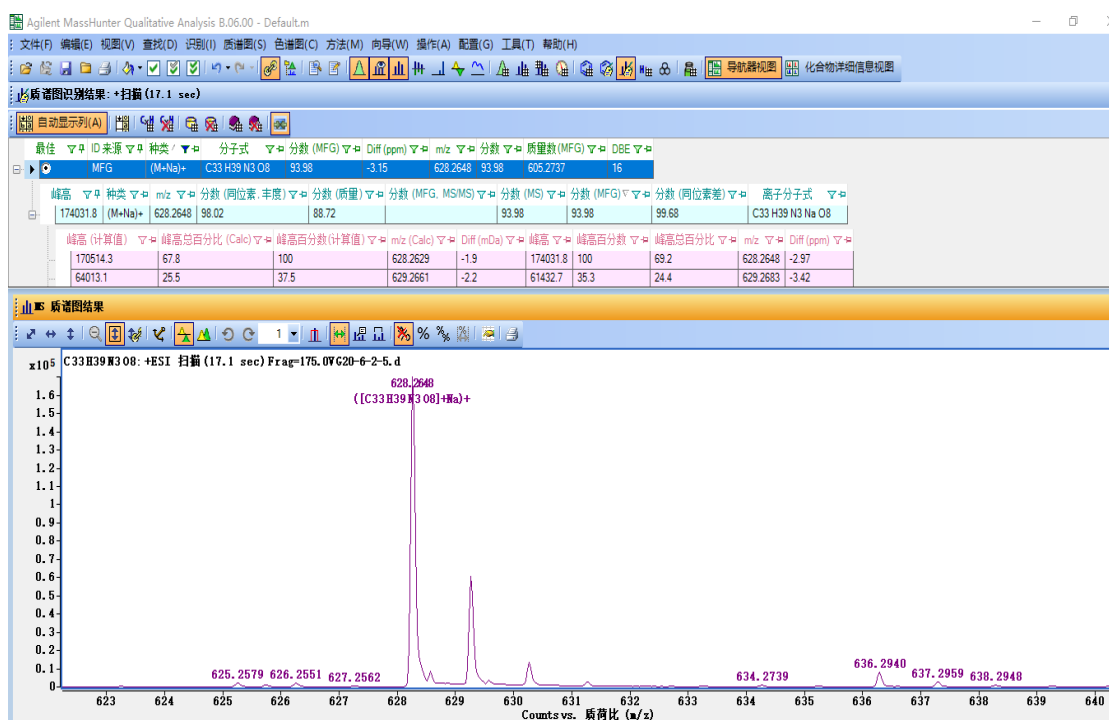


Figure S4-3. HR-ESI-MS of compound 4

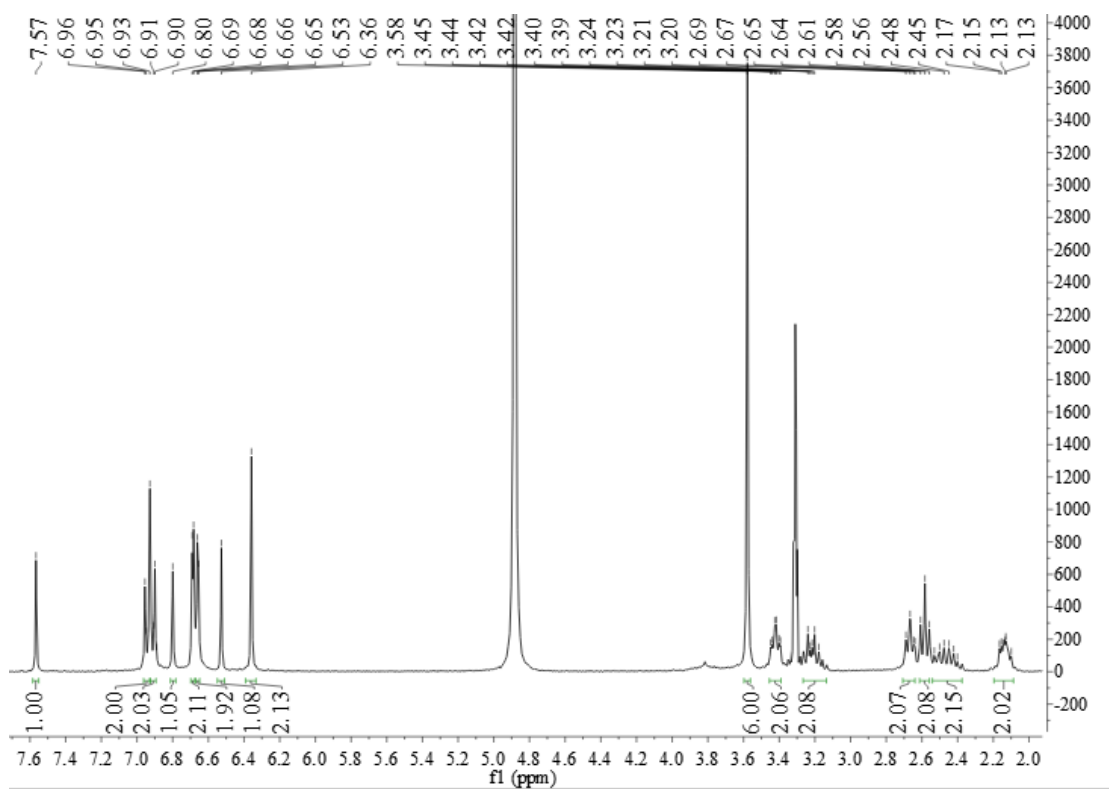


Figure S5-1. ¹H NMR spectrum (300 MHz) of compound 5 in methanol-*d*₄

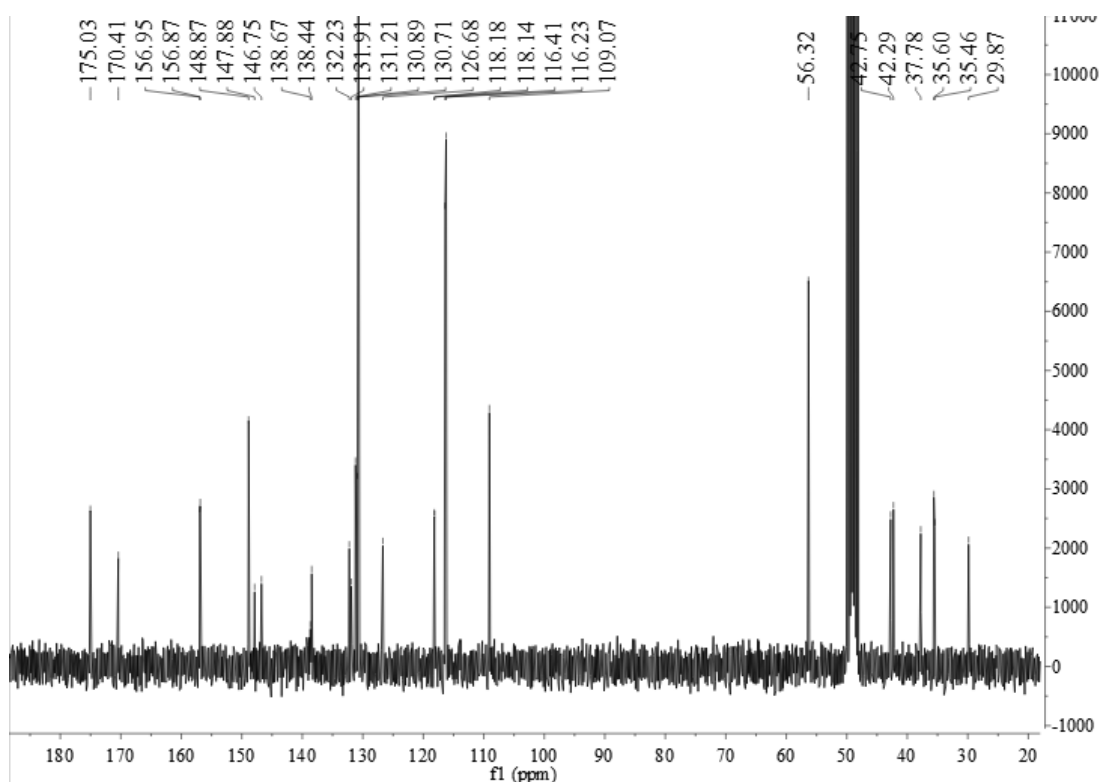


Figure S5-2. ^{13}C NMR spectrum (75 MHz) of compound **5** in methanol- d_4

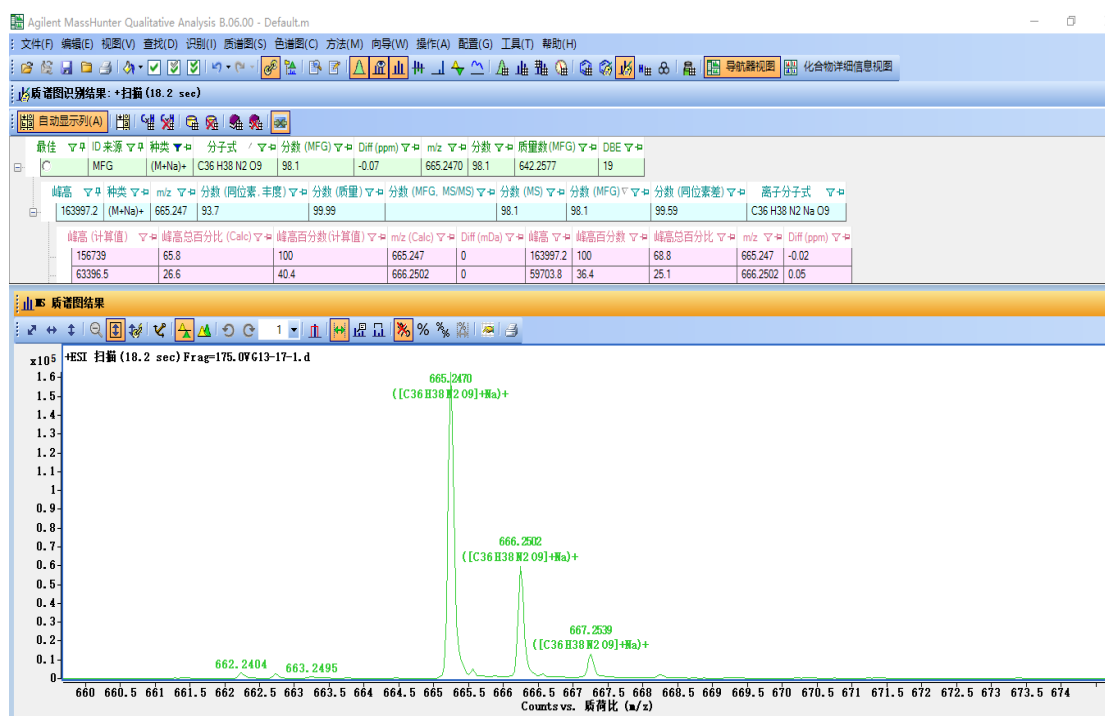


Figure S5-3. HR-ESI-MS of compound **5**