

Figure S1. ^1H NMR (500 MHz, $\text{DMSO}-d_6$) spectrum of new compound **1**
Figure S2. ^{13}C NMR (125 MHz, $\text{DMSO}-d_6$) spectrum of new compound **1**
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Figure S4. HSQC spectrum of new compound **1**
Figure S5. HMBC spectrum of new compound **1**
Figure S6. ^1H - ^1H COSY spectrum of new compound **1**
Figure S7. NOESY spectrum of new compound **1**
Figure S8. The HRESIMS spectrum of the new compound **1**
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Figure S1. ^1H NMR (500 MHz, $\text{DMSO-}d_6$) spectrum of new compound **1**

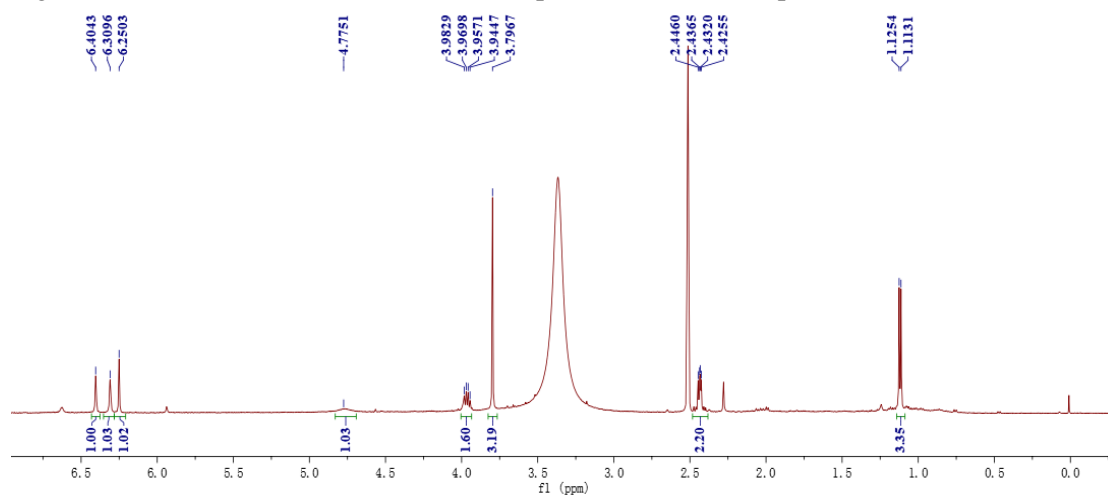


Figure S2. ^{13}C NMR (125 MHz, $\text{DMSO-}d_6$) spectrum of new compound **1**

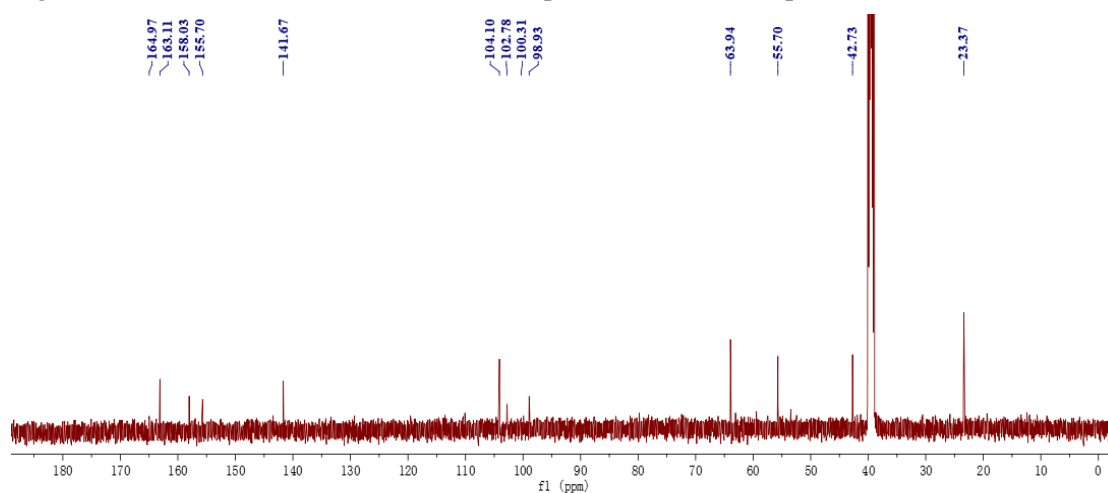


Figure S3. DEPT135 spectrum of new compound **1**

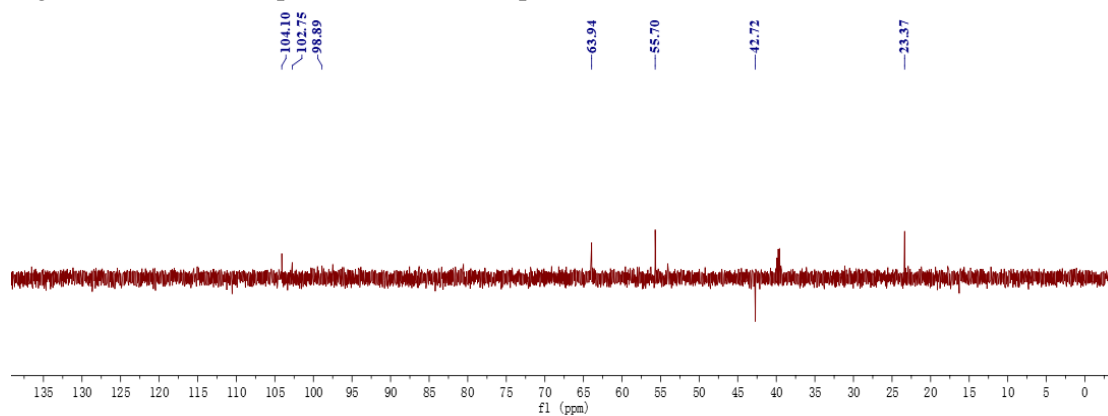


Figure S4. HSQC spectrum of new compound **1**

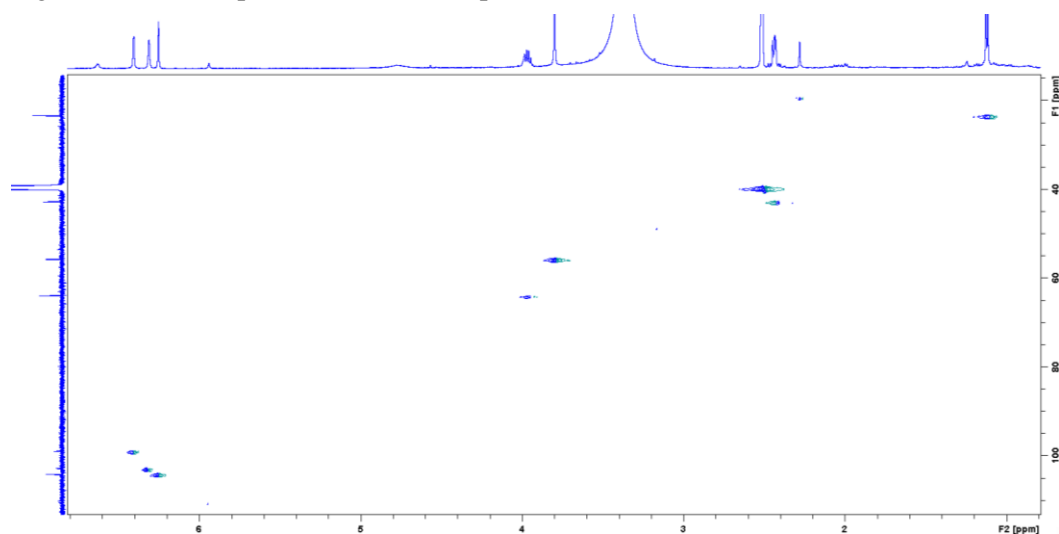


Figure S5. HMBC spectrum of new compound **1**

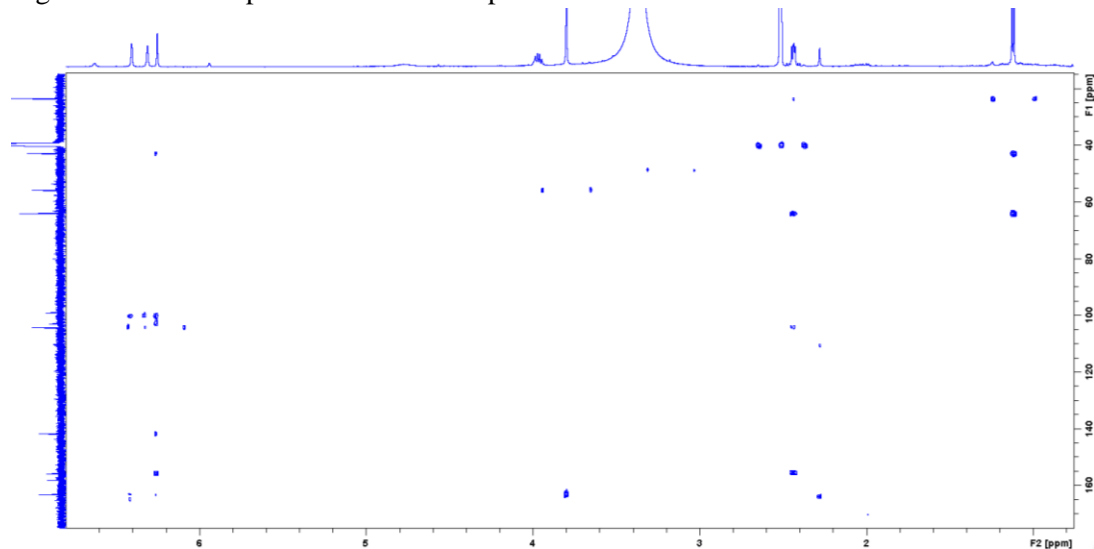


Figure S6. ^1H - ^1H COSY spectrum of new compound **1**

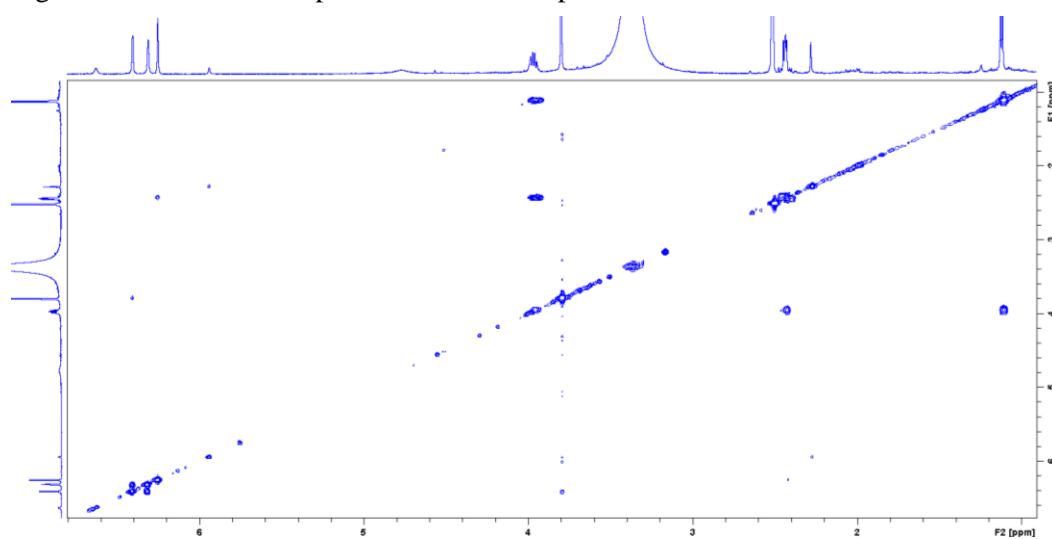


Figure S7. NOESY spectrum of new compound **1**

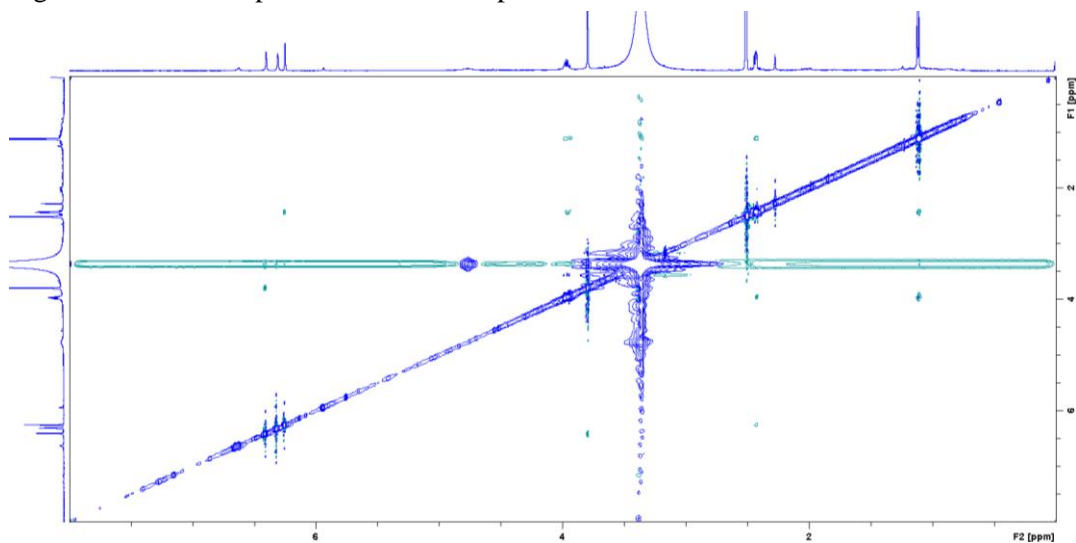


Figure S8. The HRESIMS spectrum of the new compound **1** (m/z 249.0774 $[M-H]^-$ (calcd for $C_{13}H_{13}O_5$ 249.0768))

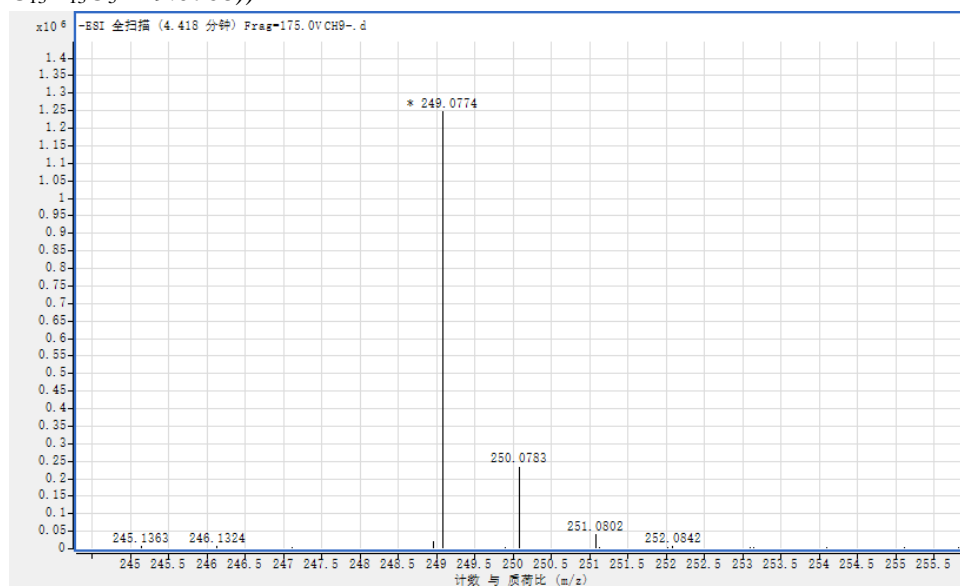


Figure S9. 1H NMR (500 MHz, $DMSO-d_6$) spectrum of new compound **2**

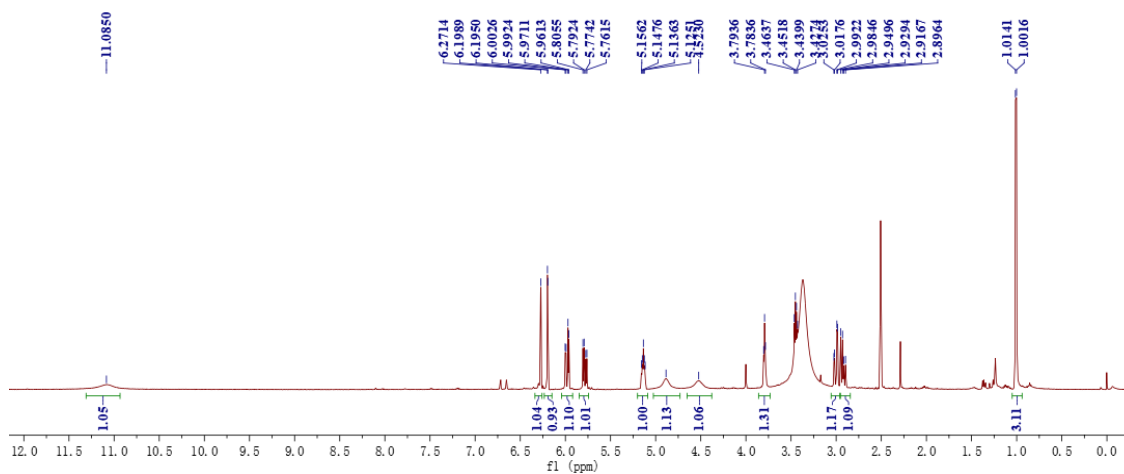


Figure S10. ^{13}C NMR (125 MHz, $\text{DMSO}-d_6$) spectrum of new compound **2**

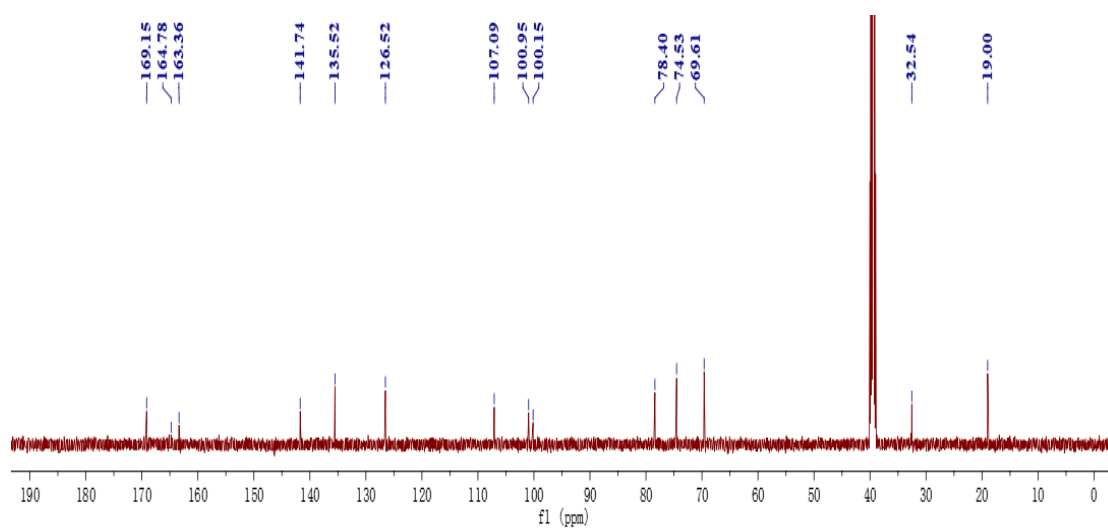


Figure S11. DEPT135 spectrum of new compound **2**

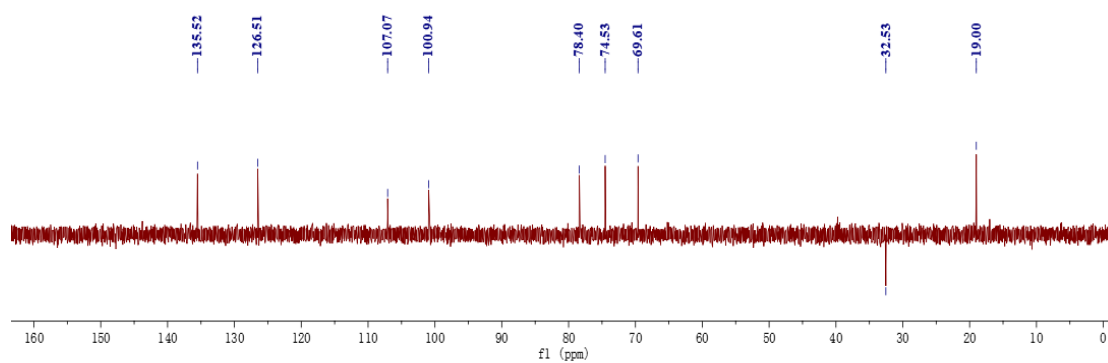


Figure S12. HSQC spectrum of new compound **2**

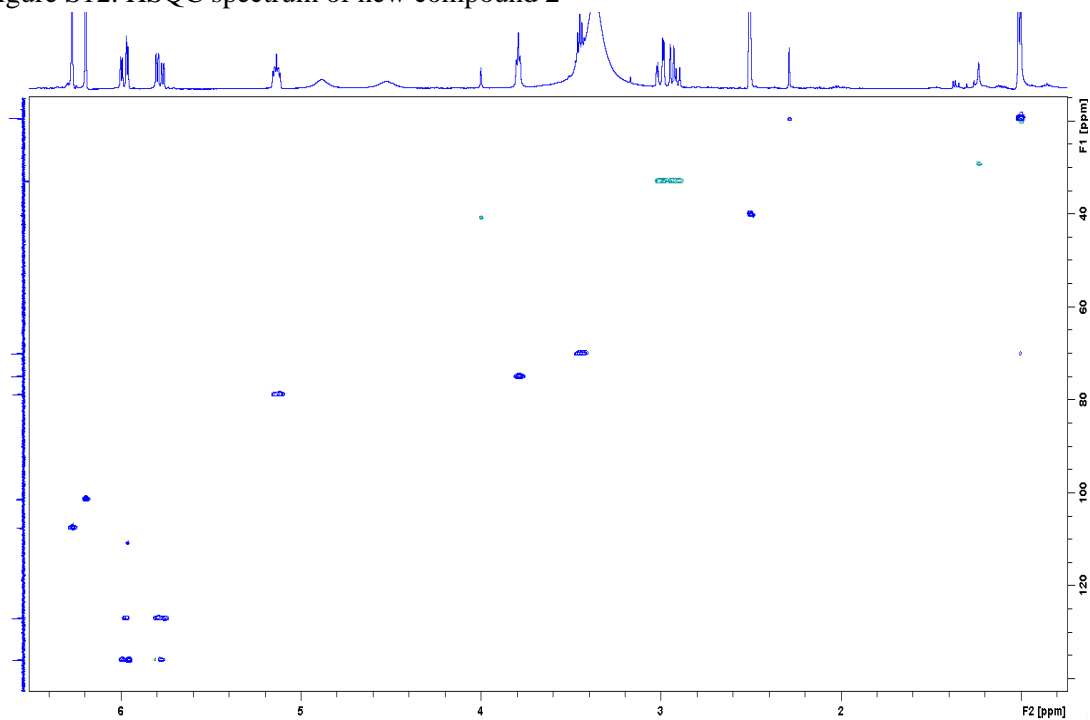


Figure S13. HMBC spectrum of new compound **2**

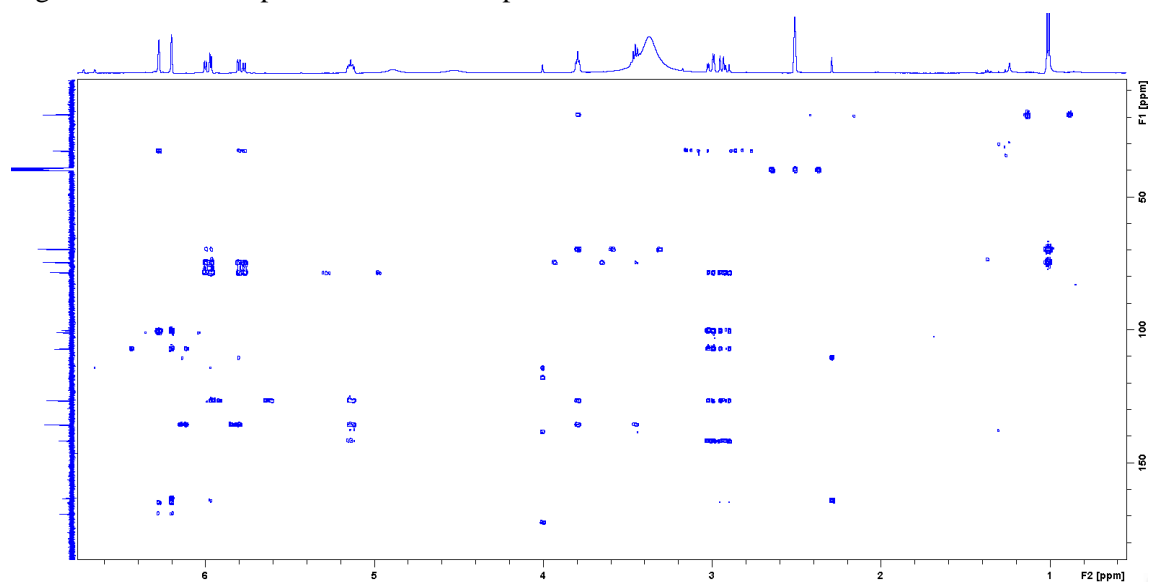


Figure S14. ^1H - ^1H COSY spectrum of new compound **2**

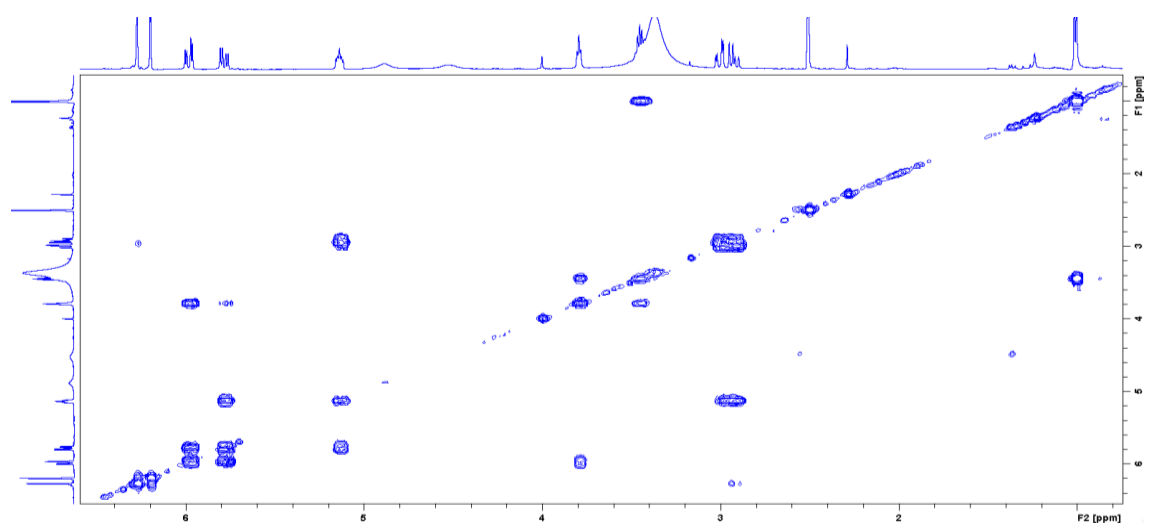


Figure S15. NOESY spectrum of new compound **2**

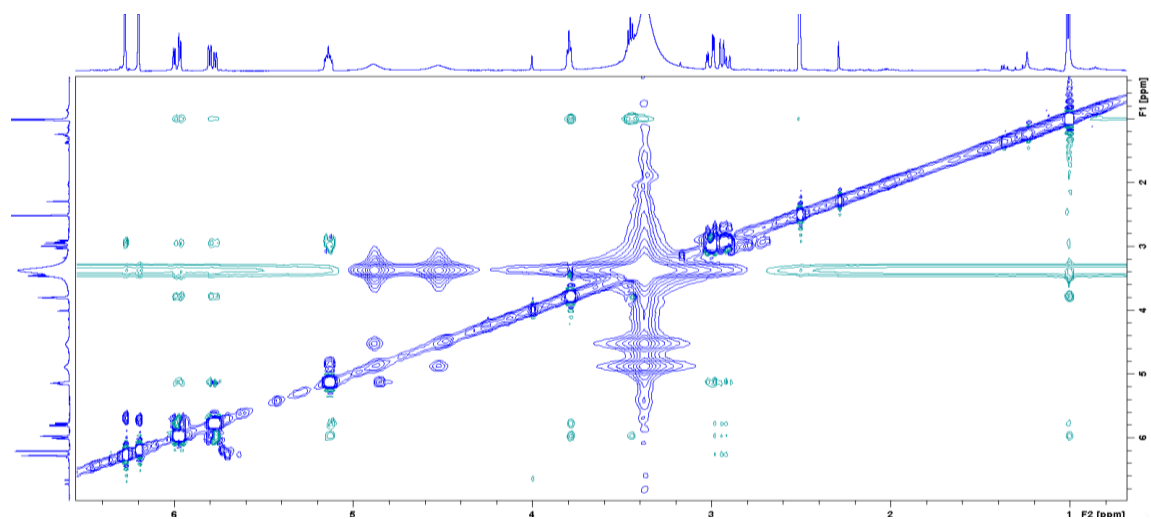


Figure S16. The HRESIMS spectrum of new compound **2** (m/z 281.1012 $[M+H]^+$ (calcd for $C_{14}H_{17}O_6$, 281.1020))

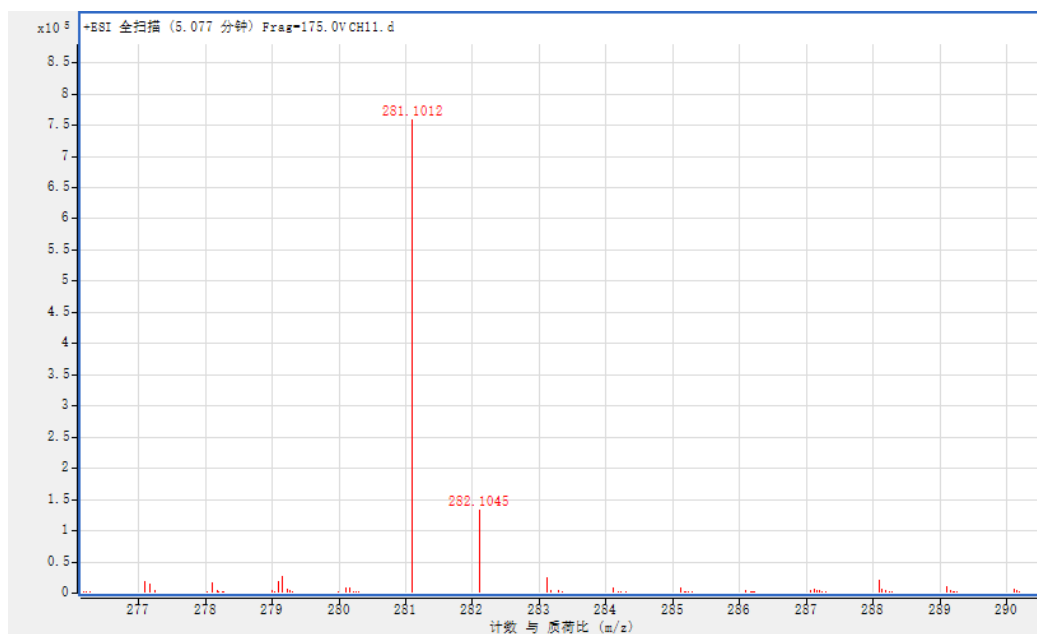


Figure S17. 1H NMR (500 MHz, $DMSO-d_6$) spectrum of new compound **3**

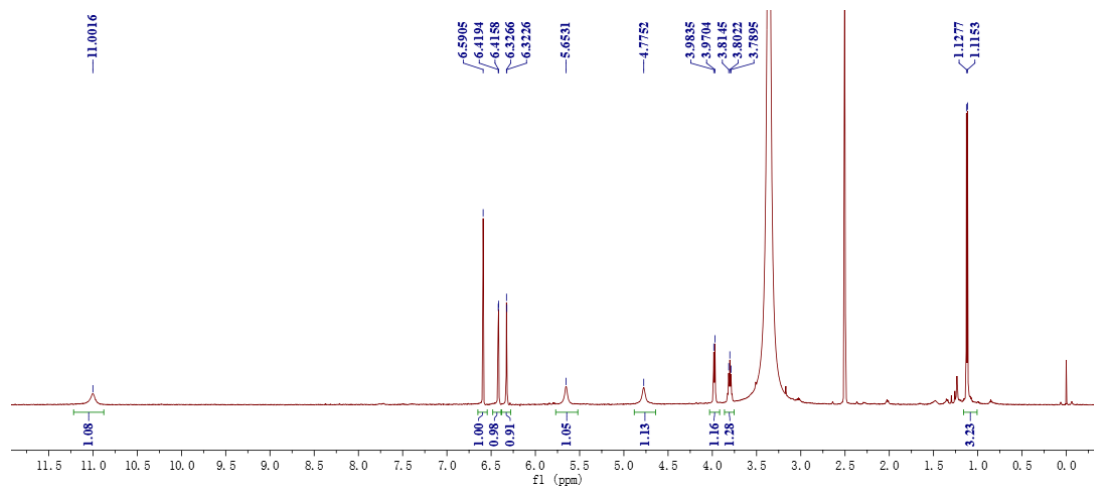


Figure S18. ^{13}C NMR (125 MHz, $DMSO-d_6$) spectrum of new compound **3**

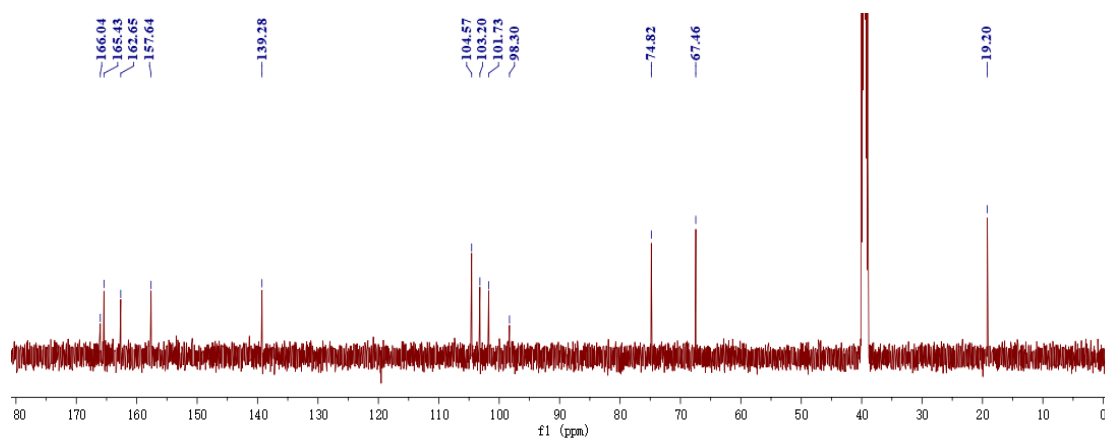


Figure S19. DEPT135 spectrum of new compound **3**

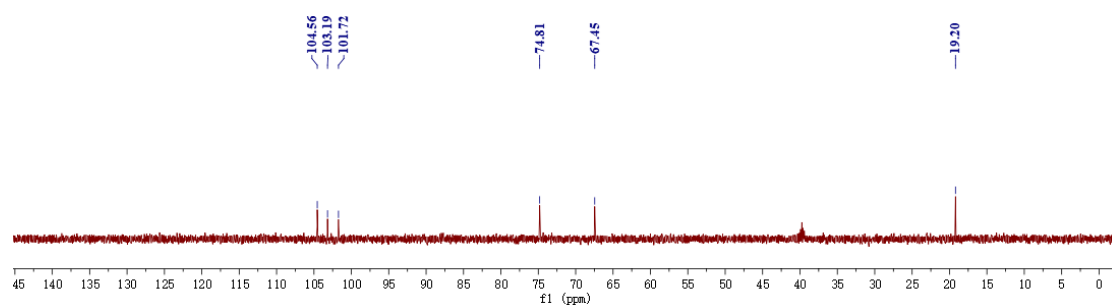


Figure S20. HSQC spectrum of new compound **3**

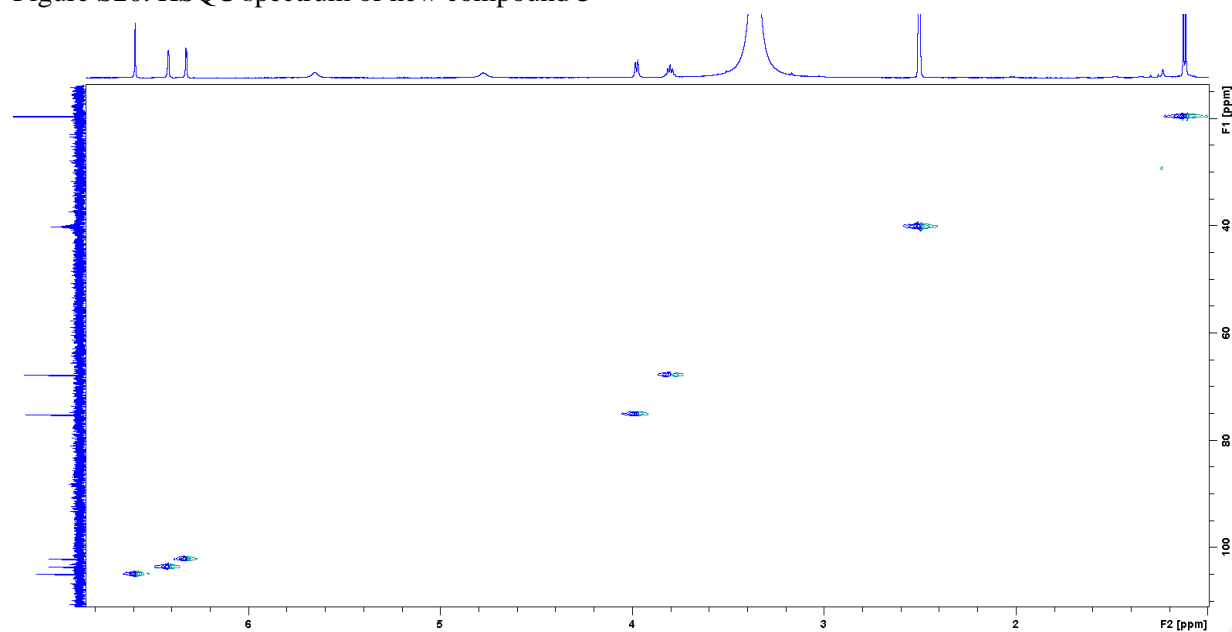


Figure S21. HMBC spectrum of new compound **3**

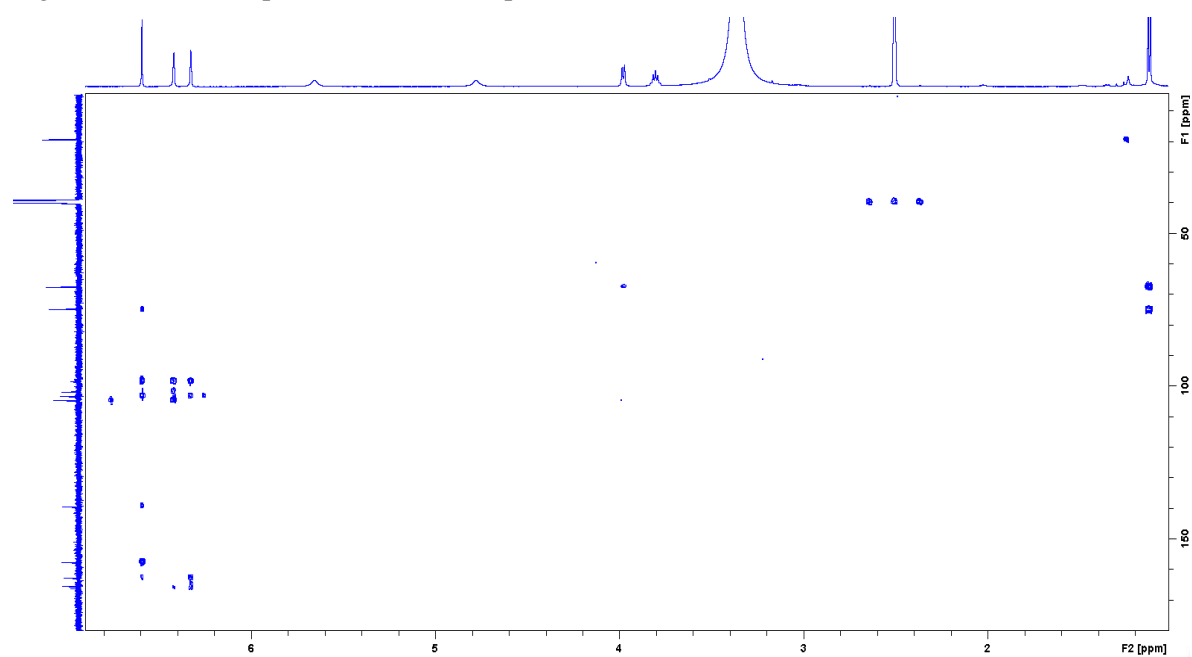


Figure S22. ^1H - ^1H COSY spectrum of new compound **3**

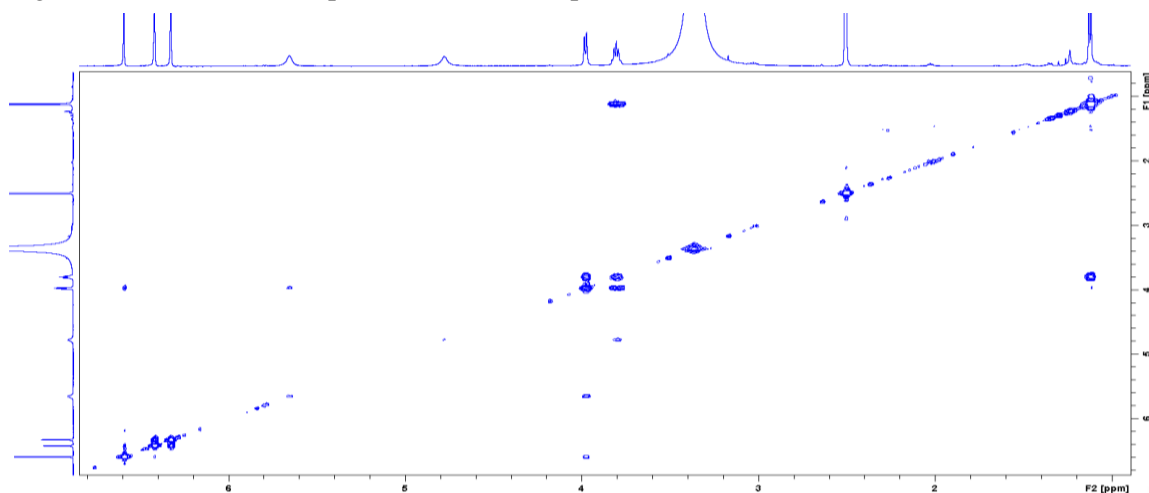


Figure S23. NOESY spectrum of new compound **3**

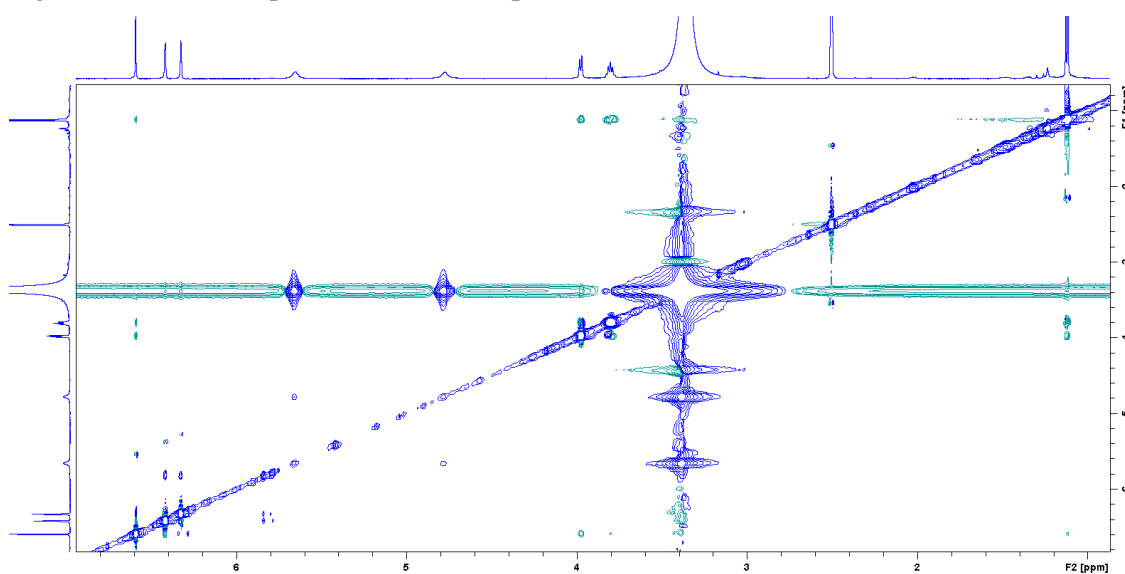
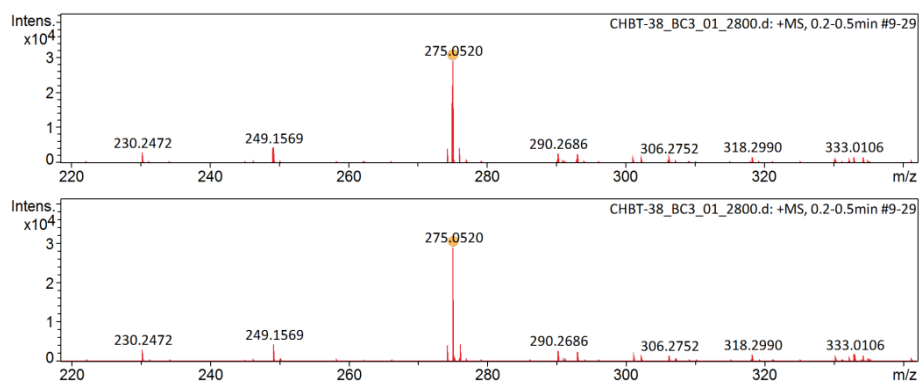


Figure S24. The HRESIMS spectrum of new compound **3** (m/z 275.0520 $[\text{M}+\text{Na}]^+$ (calcd for $\text{C}_{12}\text{H}_{12}\text{NaO}_6$, 275.0526))



Meas. m/z	#	Ion Formula	m/z	err [ppm]	mSigma	# mSigma	Score	rdB	e^- Conf	N-Rule	Adduct
275.0520	1	$\text{C}_{12}\text{H}_{12}\text{NaO}_6$	275.0526	2.3	9.3	1	100.00	7.0	even	ok	$\text{M}+\text{Na}$

Figure S25. ^1H NMR (500 MHz, CD_3OD) spectrum of new compound **4**

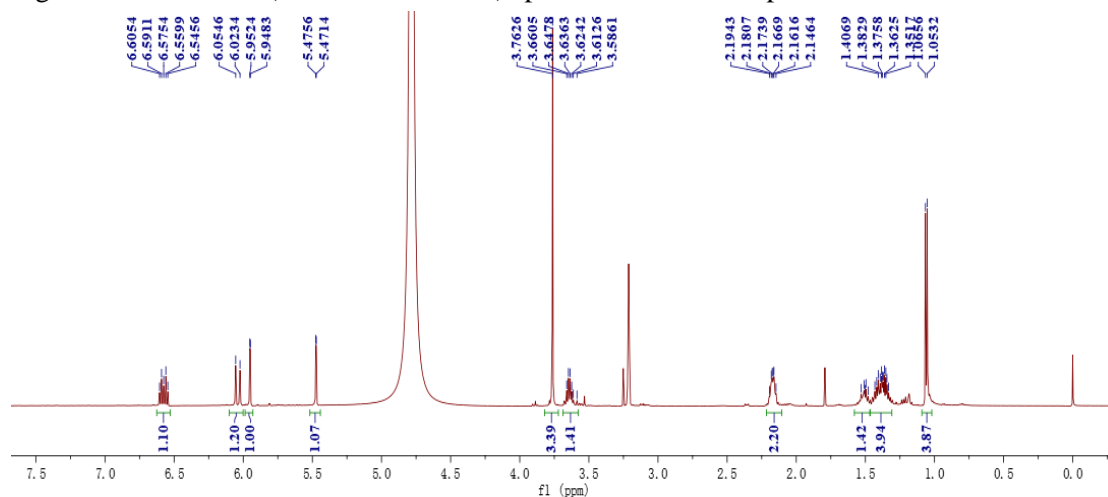


Figure S26. ^{13}C NMR (125 MHz, CD_3OD) spectrum of new compound **4**

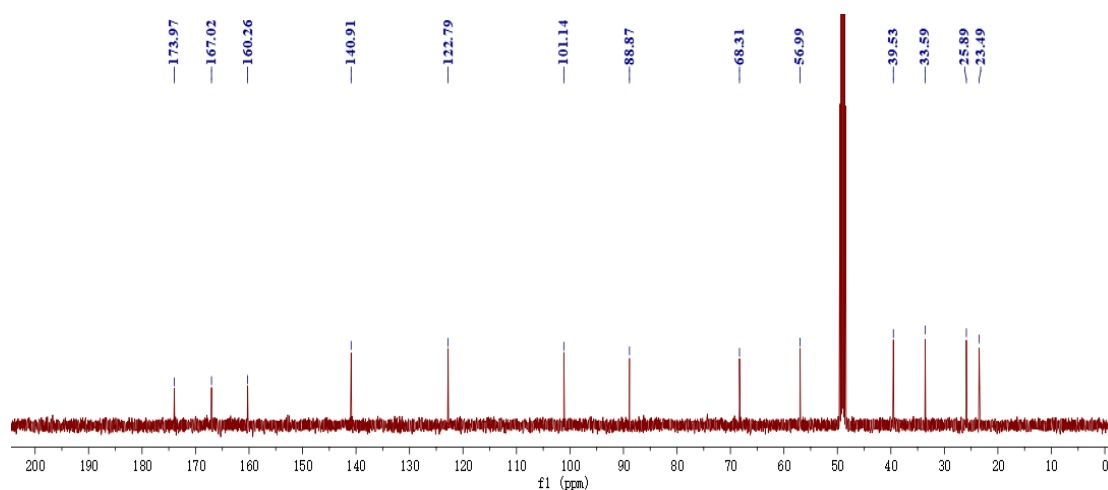


Figure S27. DEPT135 spectrum of new compound **4**

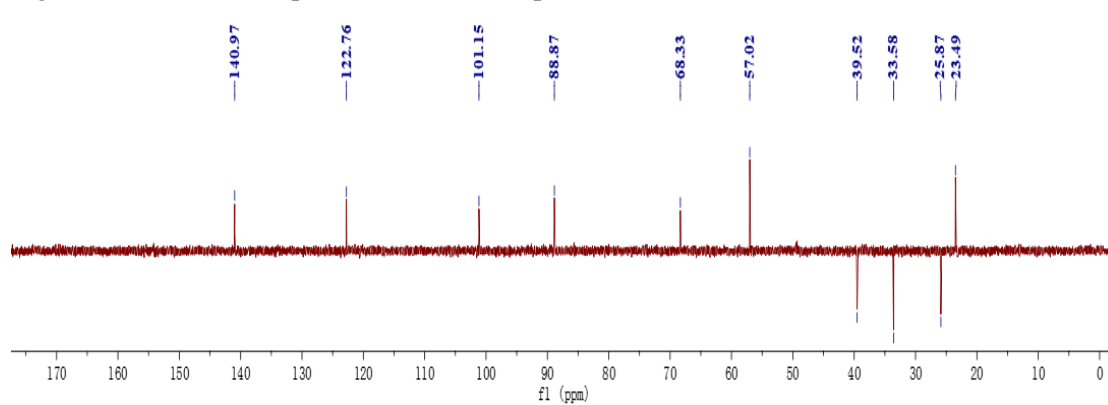


Figure S28. HSQC spectrum of new compound **4**

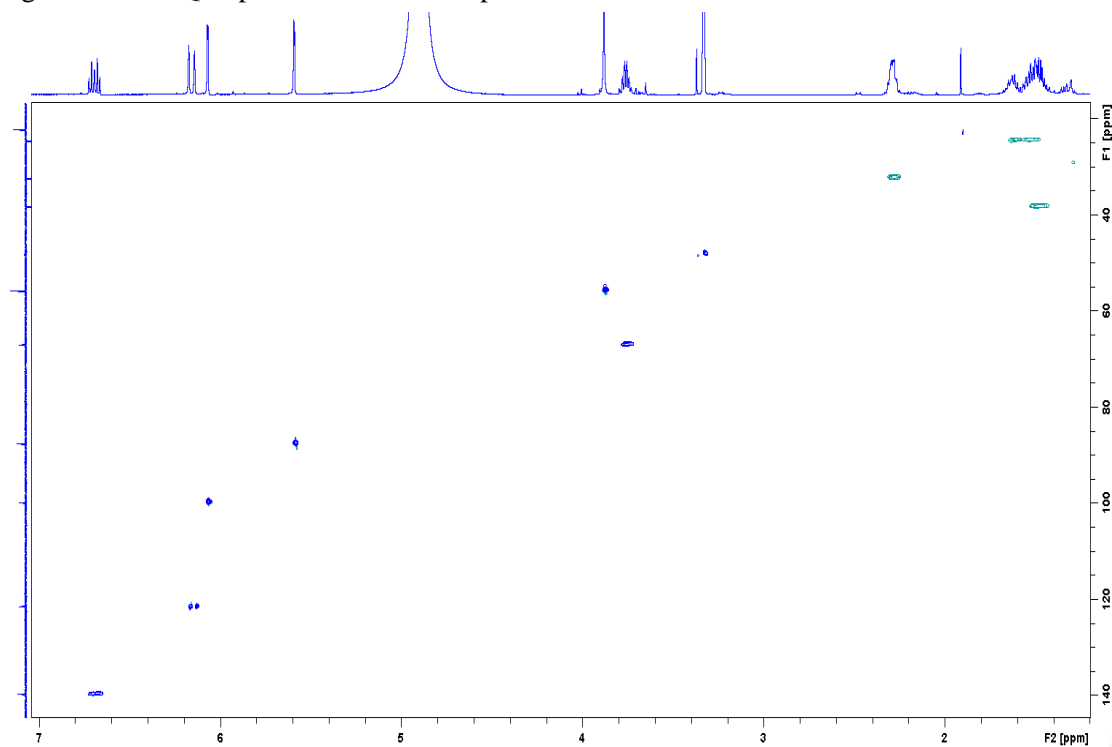


Figure S29. HMBC spectrum of new compound **4**

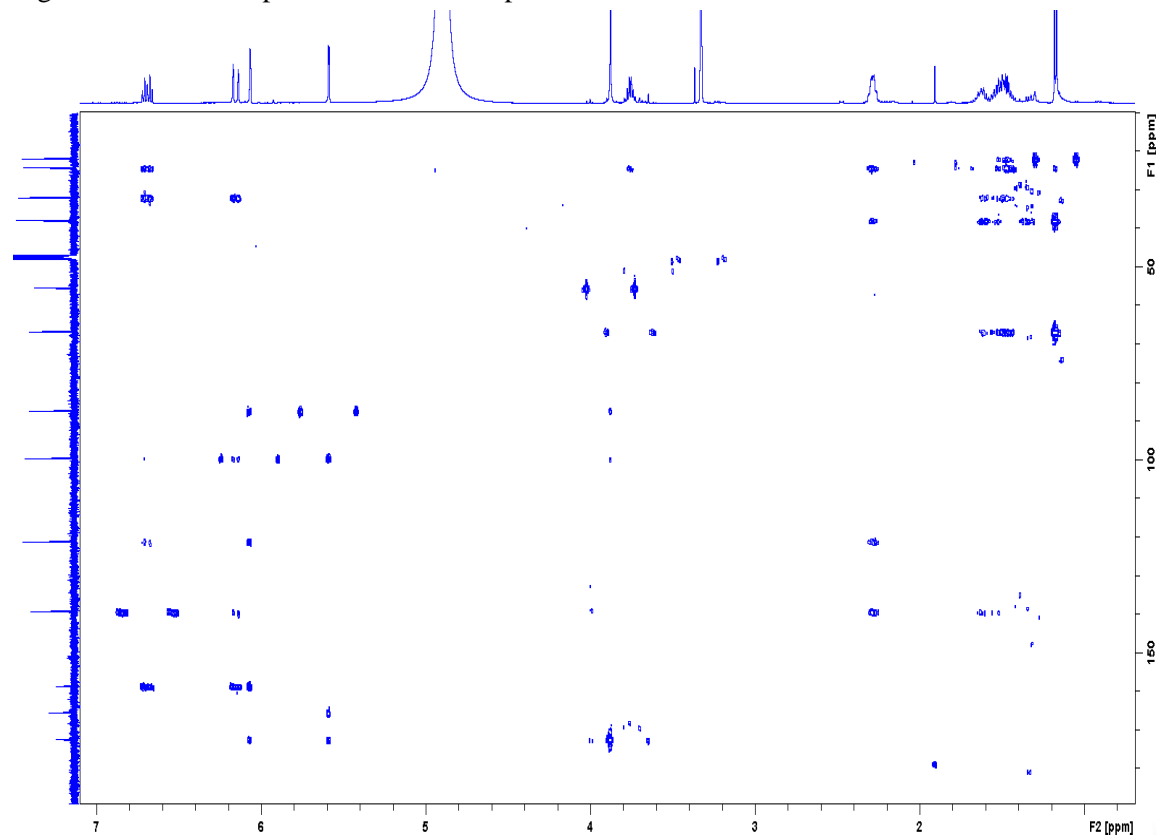


Figure S30. ^1H - ^1H COSY spectrum of new compound **4**

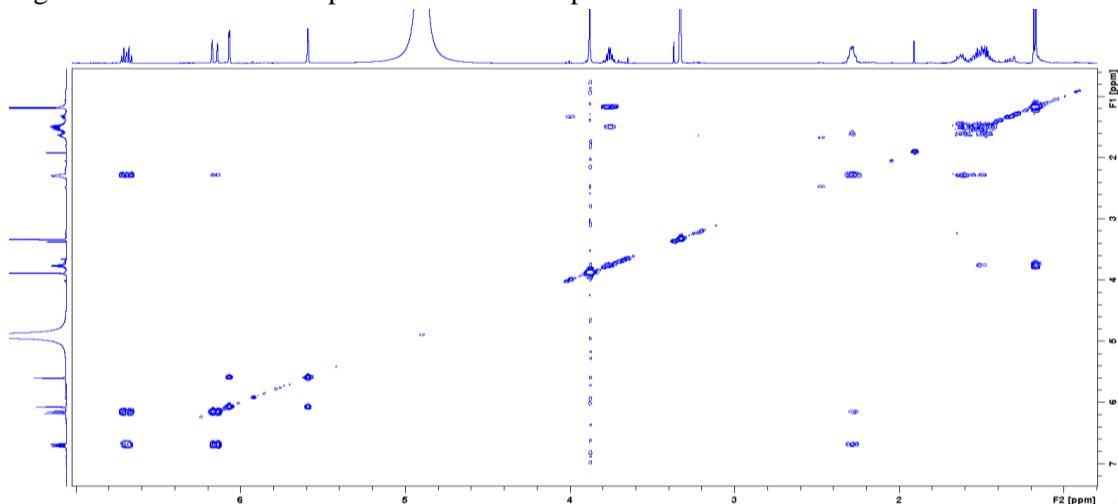


Figure S31. NOESY spectrum of new compound **4**

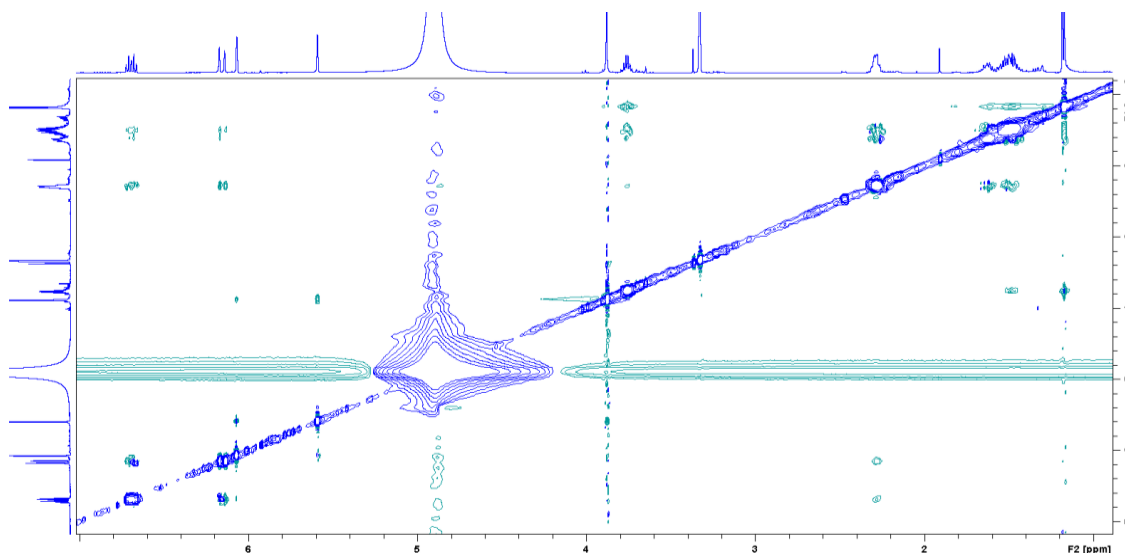
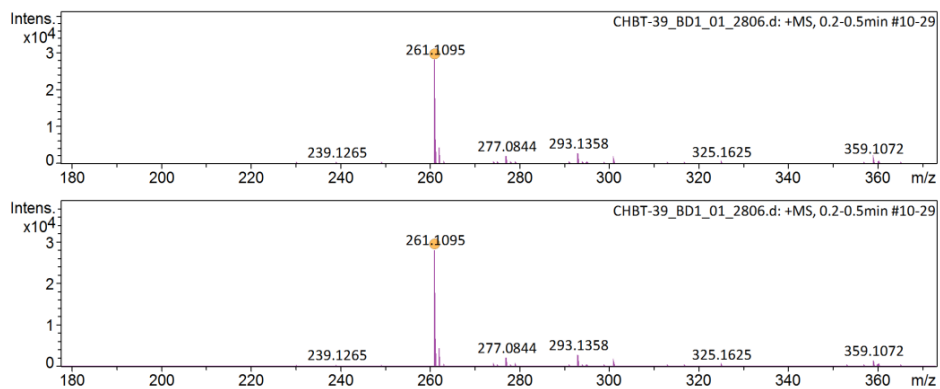


Figure S32. The HRESIMS spectrum of new compound **4** (m/z 261.1095 $[\text{M}+\text{Na}]^+$ (calcd for $\text{C}_{13}\text{H}_{18}\text{NaO}_4$, 261.1097))



Meas. m/z	#	Ion Formula	m/z	err [ppm]	mSigma	# mSigma	Score	rdB	e ⁻	Conf	N-Rule	Adduct
261.1095	1	C ₁₃ H ₁₈ NaO ₄	261.1097	1.0	7.3	1	100.00	5.0	even		ok	M+Na