

Electronic Supplementary Information

New pentacyclic triterpenoids isolated from *Leptopus chinensis* and their hepatoprotective activities on *tert*-butyl hydroperoxide-induced oxidative injury

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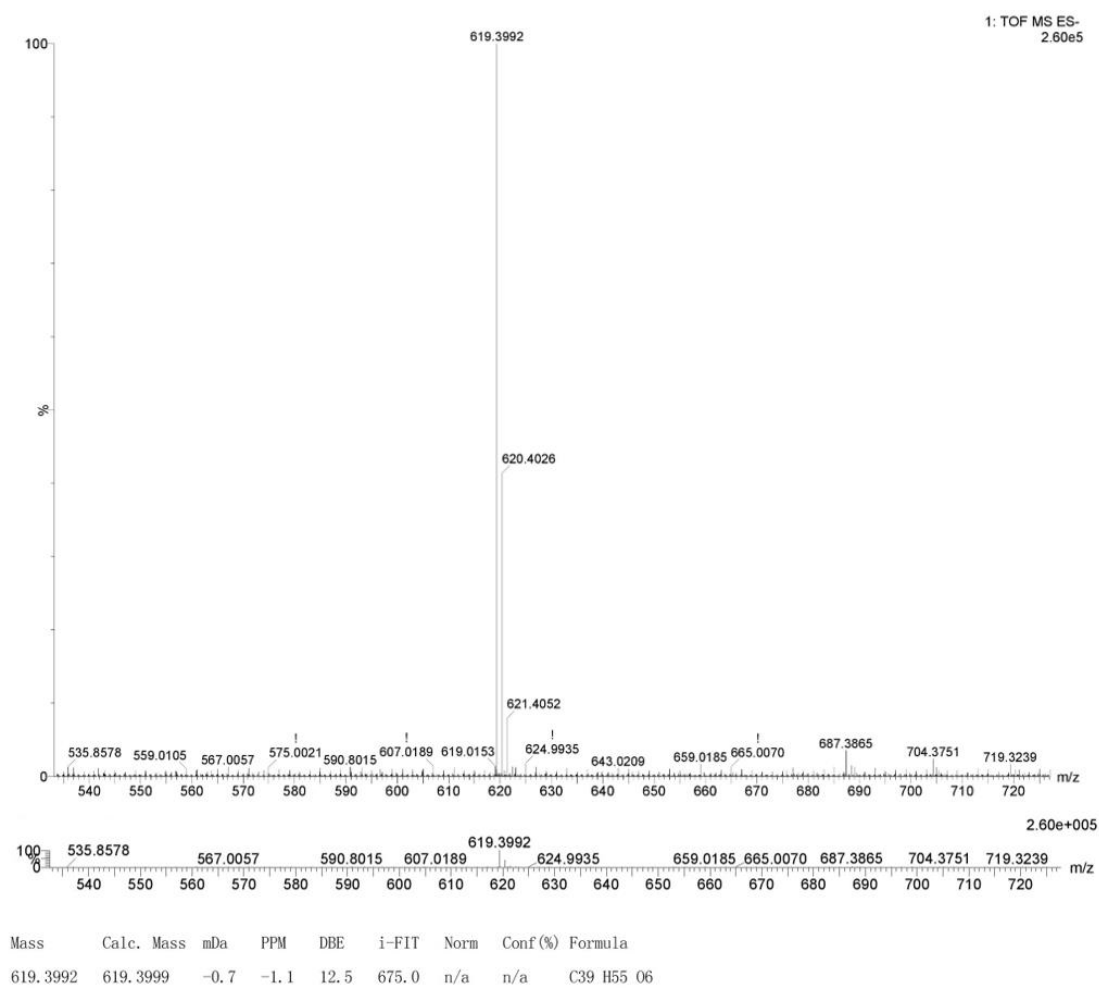


Figure S1 The HRESIMS spectrum of compound **1**.

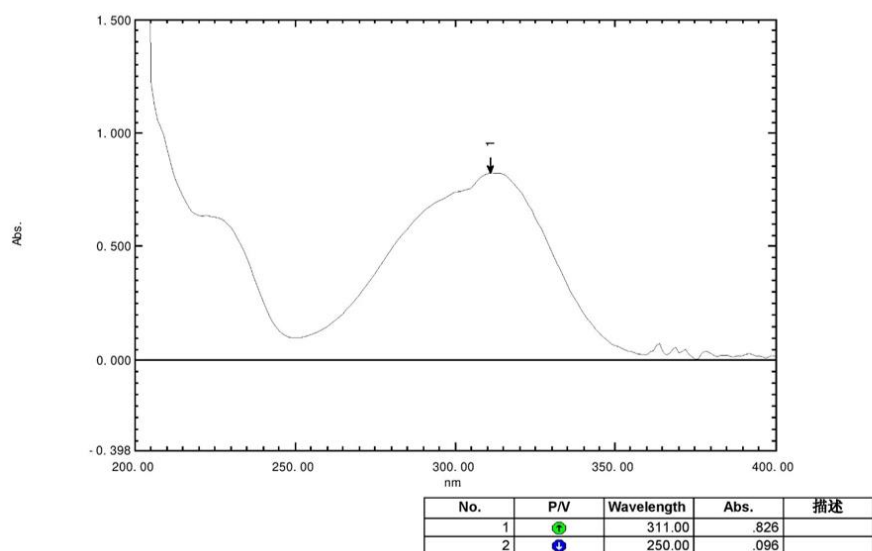


Figure S2 The UV spectrum of compound **1**.

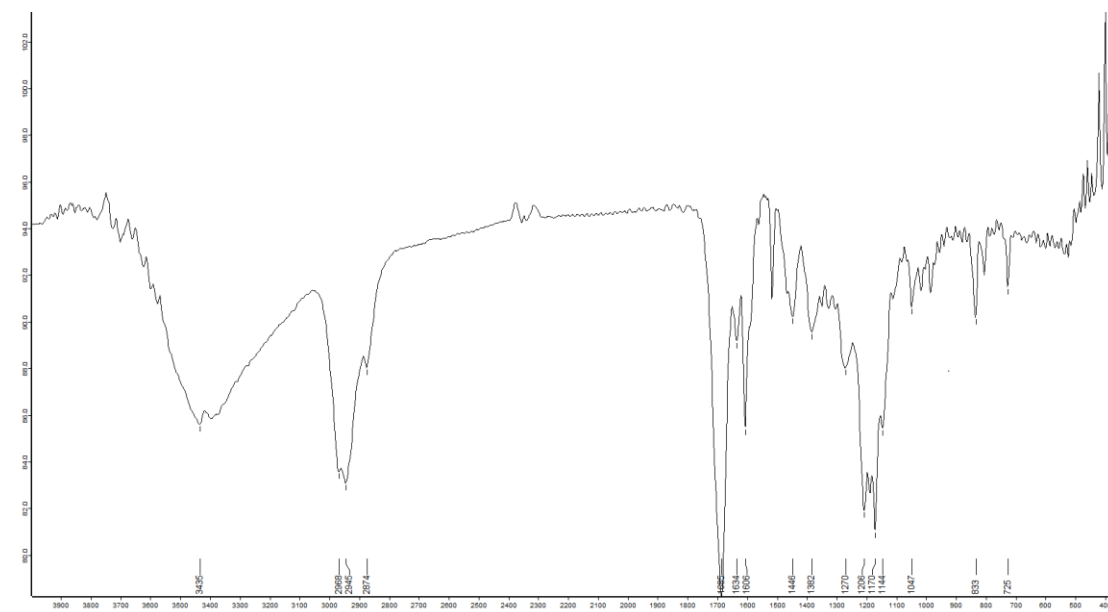


Figure S3 The IR spectrum of compound **1**.

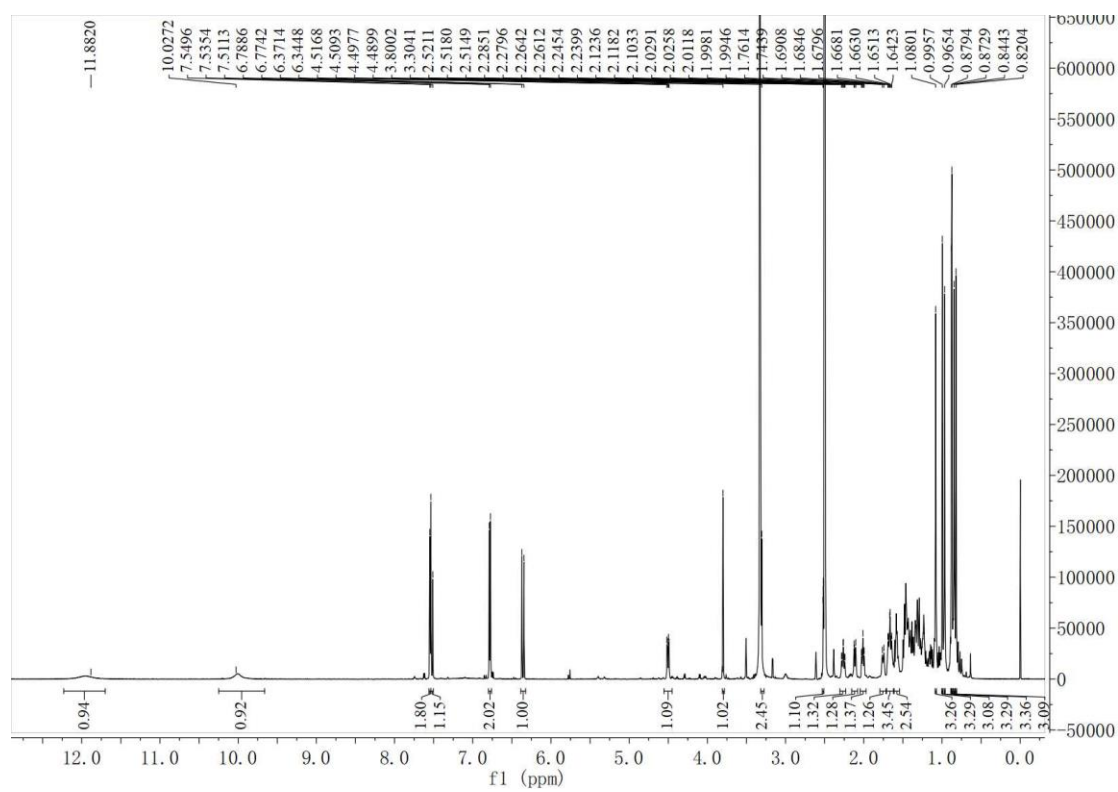


Figure S4 The ^1H -NMR spectrum of compound **1**.

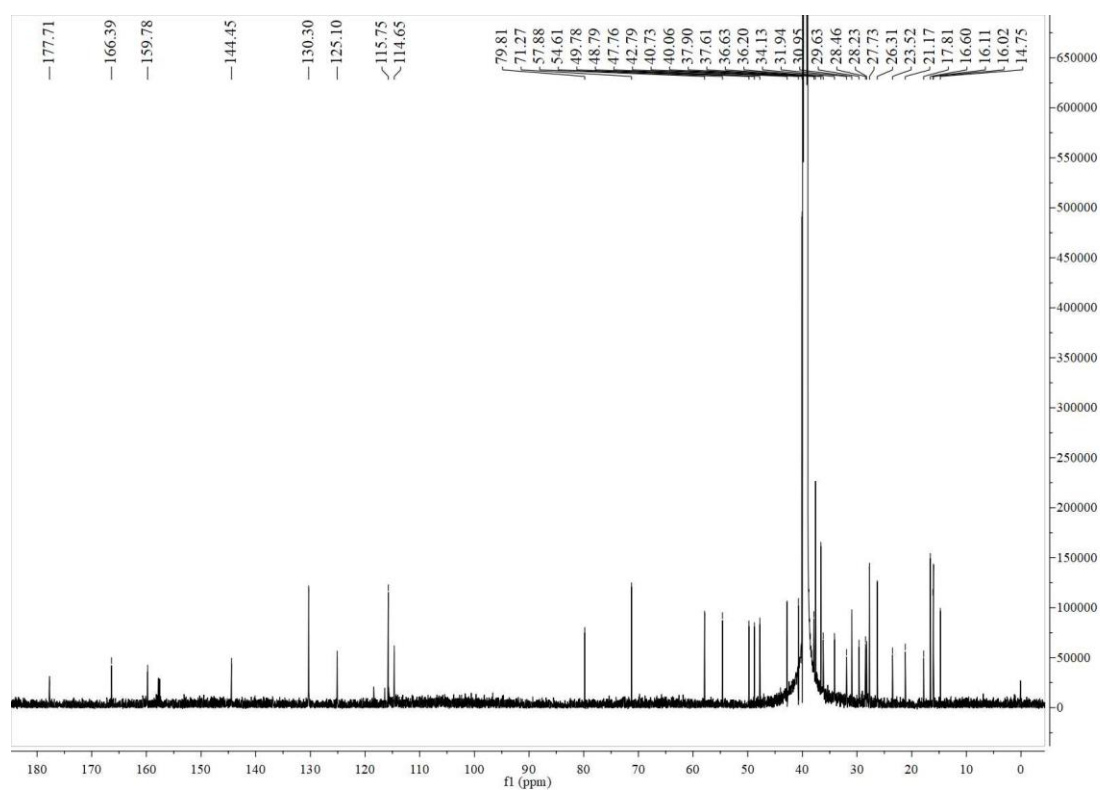


Figure S5 The ^{13}C -NMR spectrum of compound **1**.

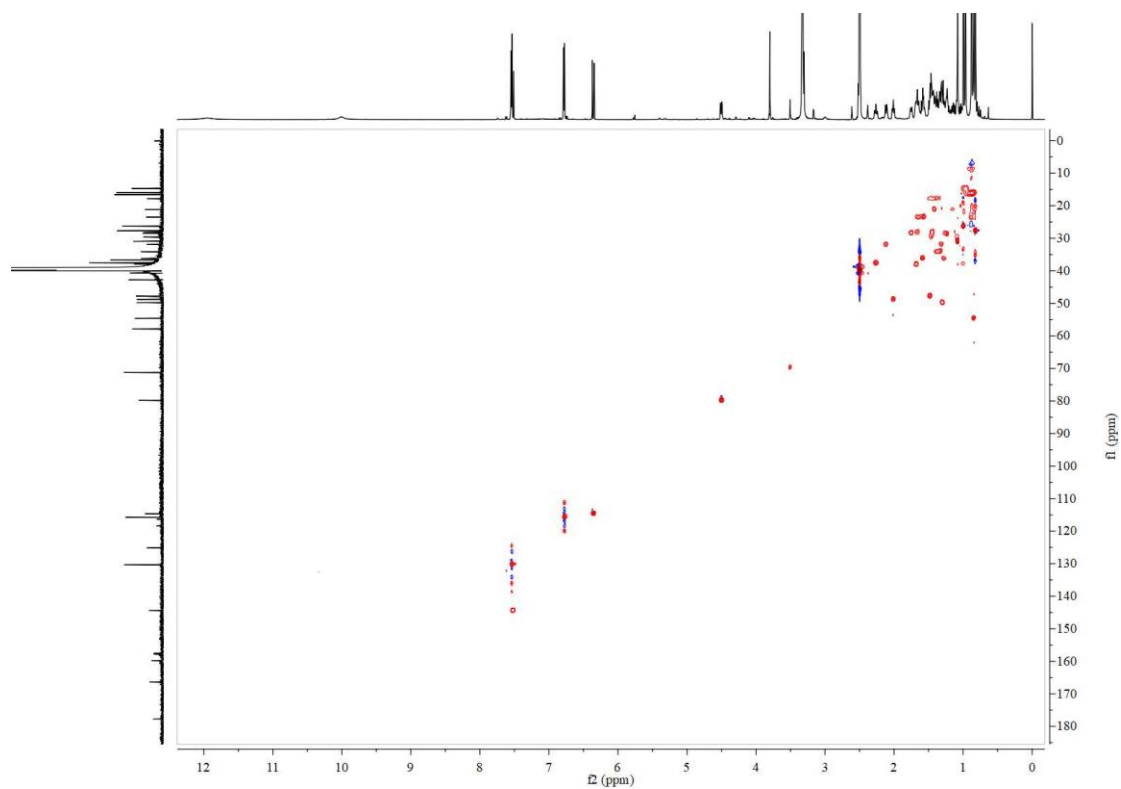


Figure S6 The HSQC spectrum of compound **1**.

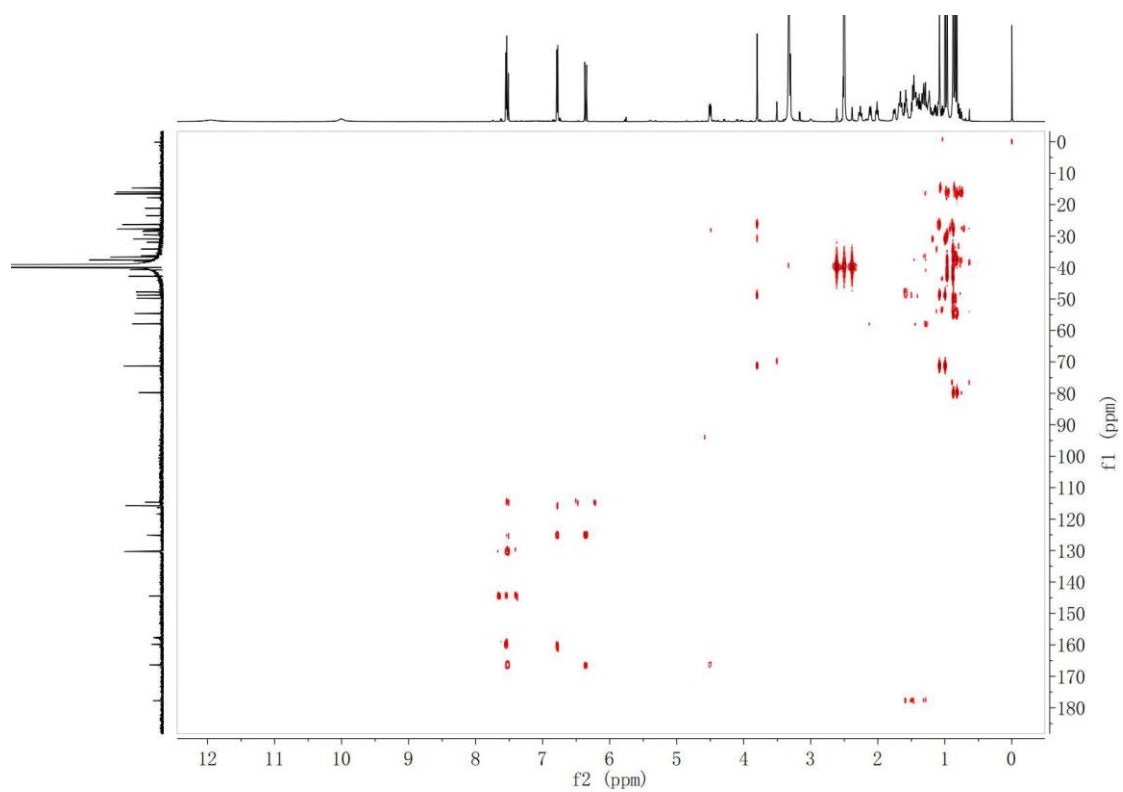


Figure S7 The HMBC spectrum of compound **1**.

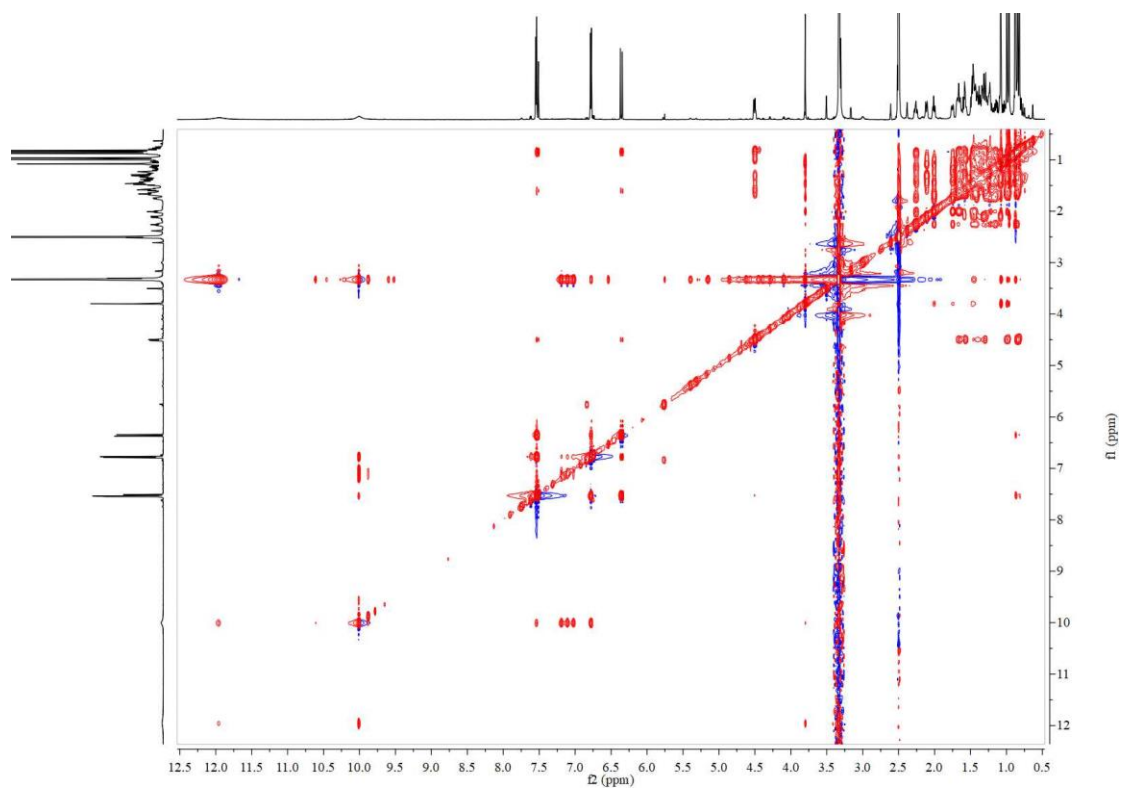


Figure S8 The NOESY spectrum of compound **1**.

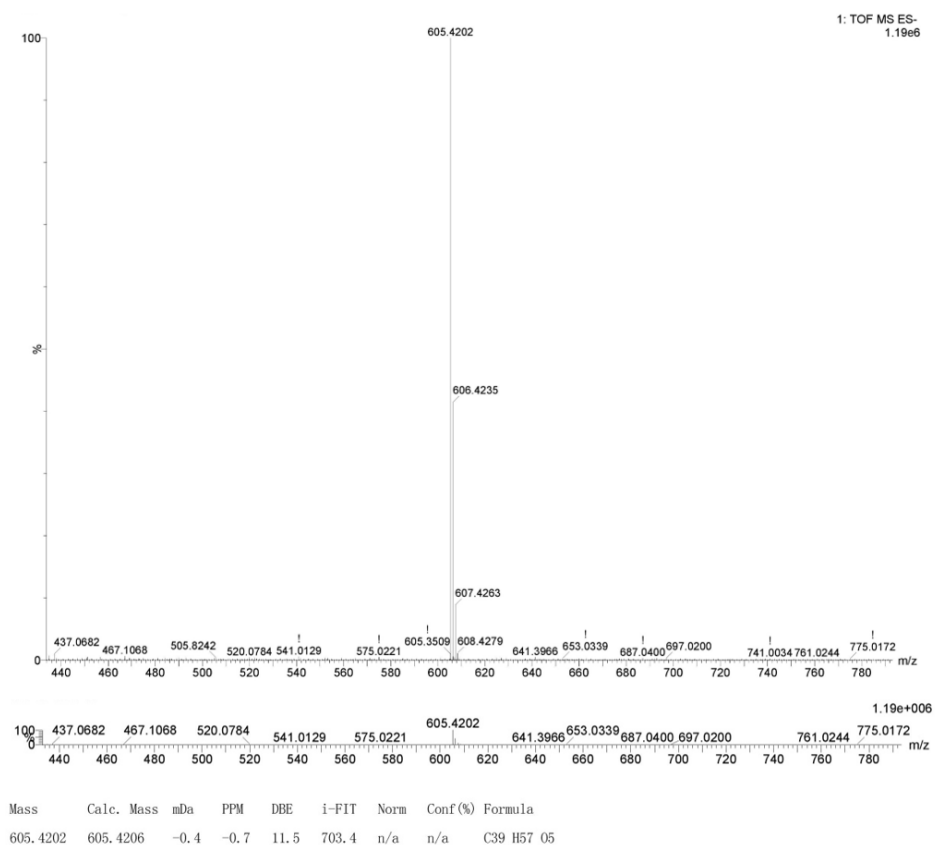


Figure S9 The HRESIMS spectrum of compound **2**.

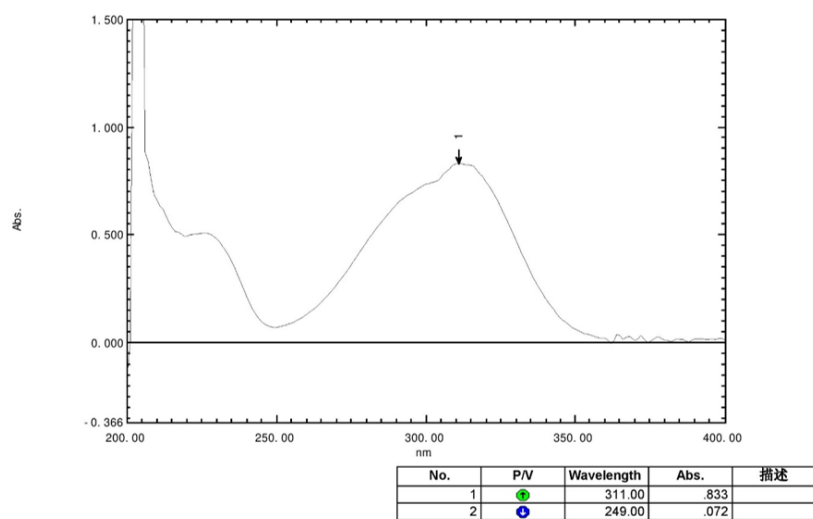


Figure S10 The UV spectrum of compound **2**.

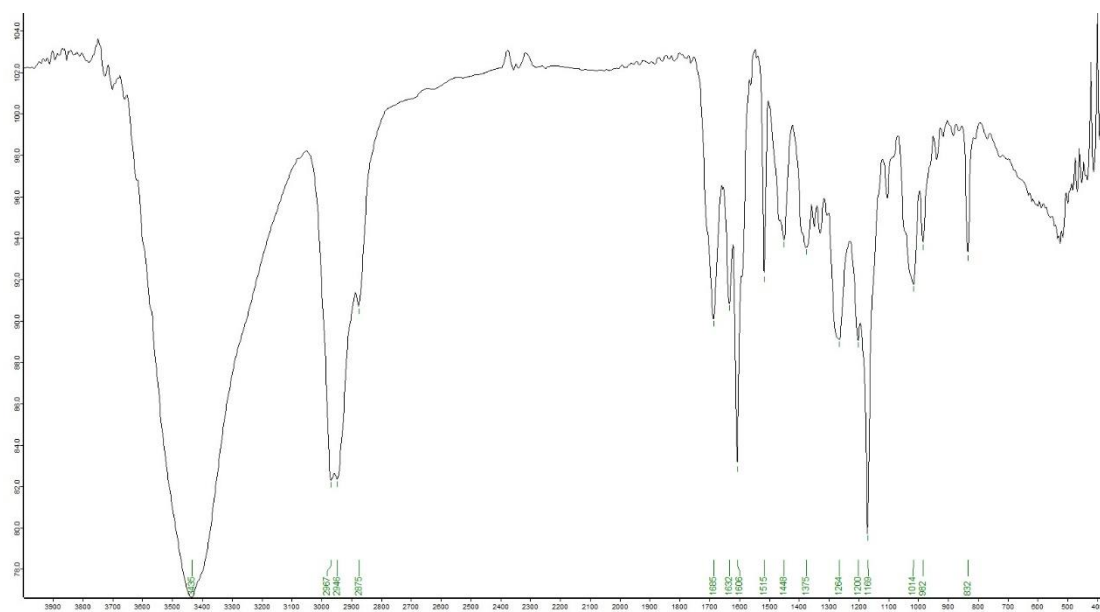


Figure S11 The IR spectrum of compound **2**.

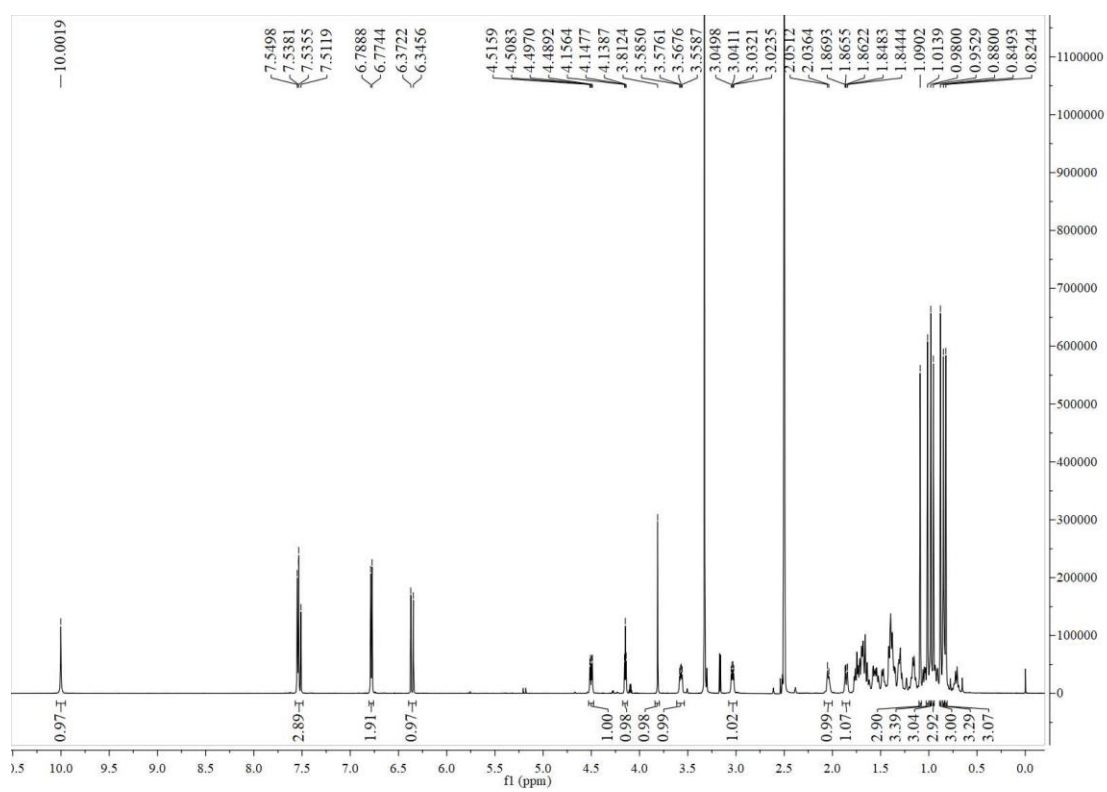


Figure S12 The ^1H -NMR spectrum of compound **2**.

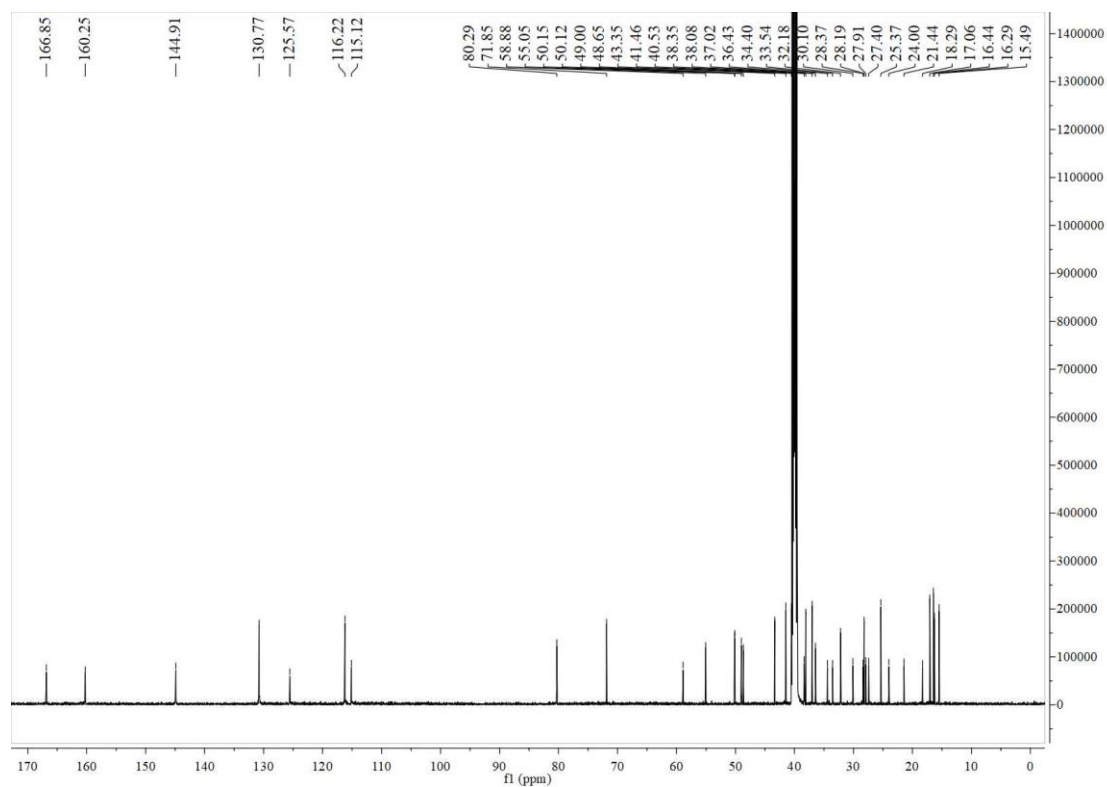


Figure S13 The ^{13}C -NMR spectrum of compound **2**.

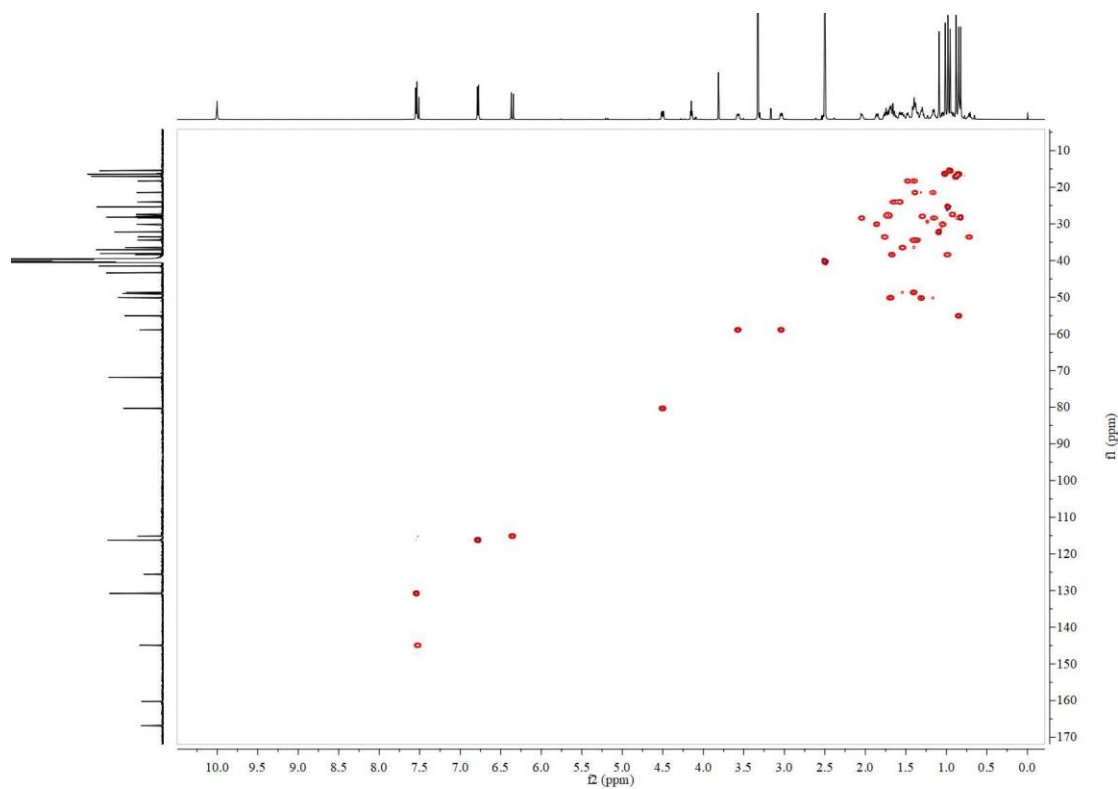


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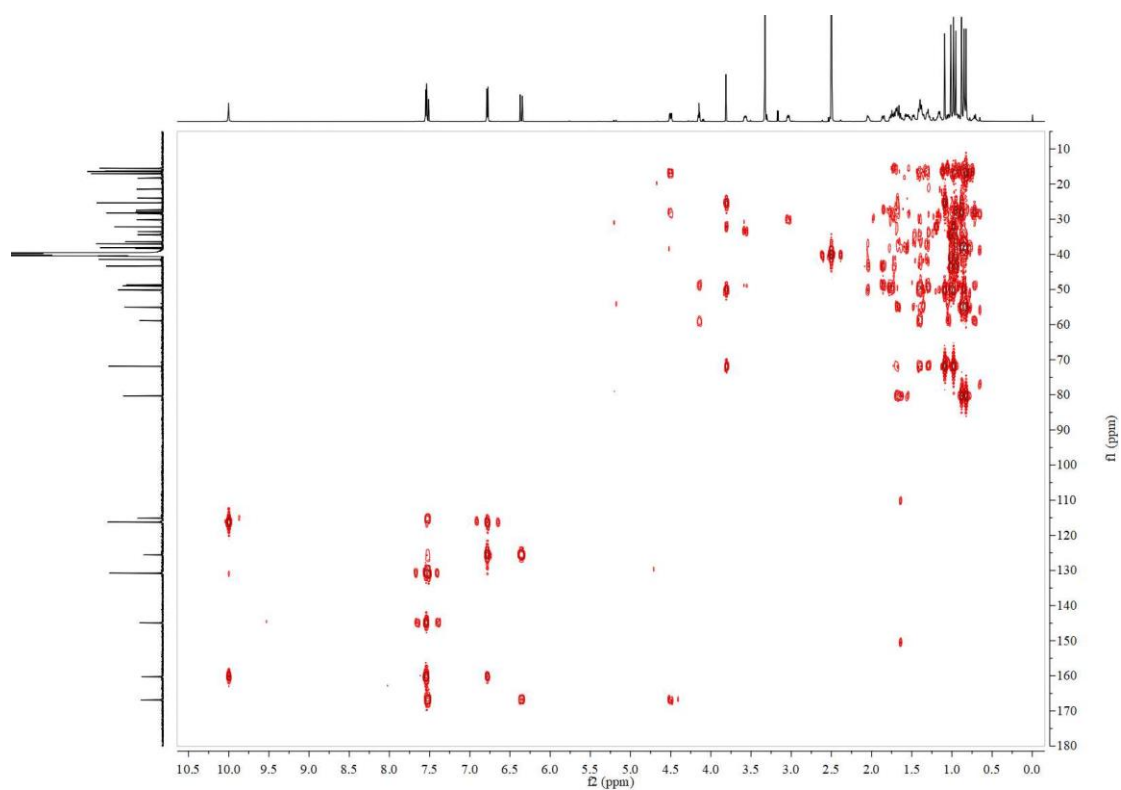


Figure S15 The HMBC spectrum of compound **2**.

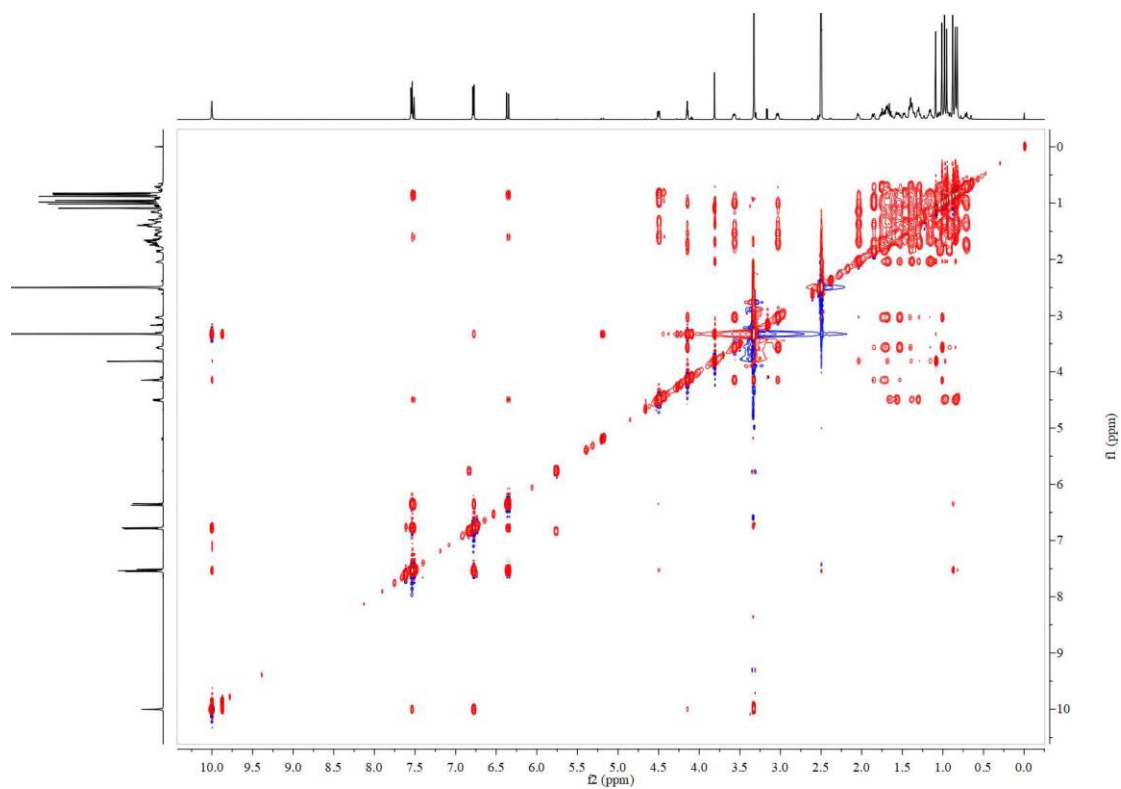


Figure S16 The NOESY spectrum of compound **2**.

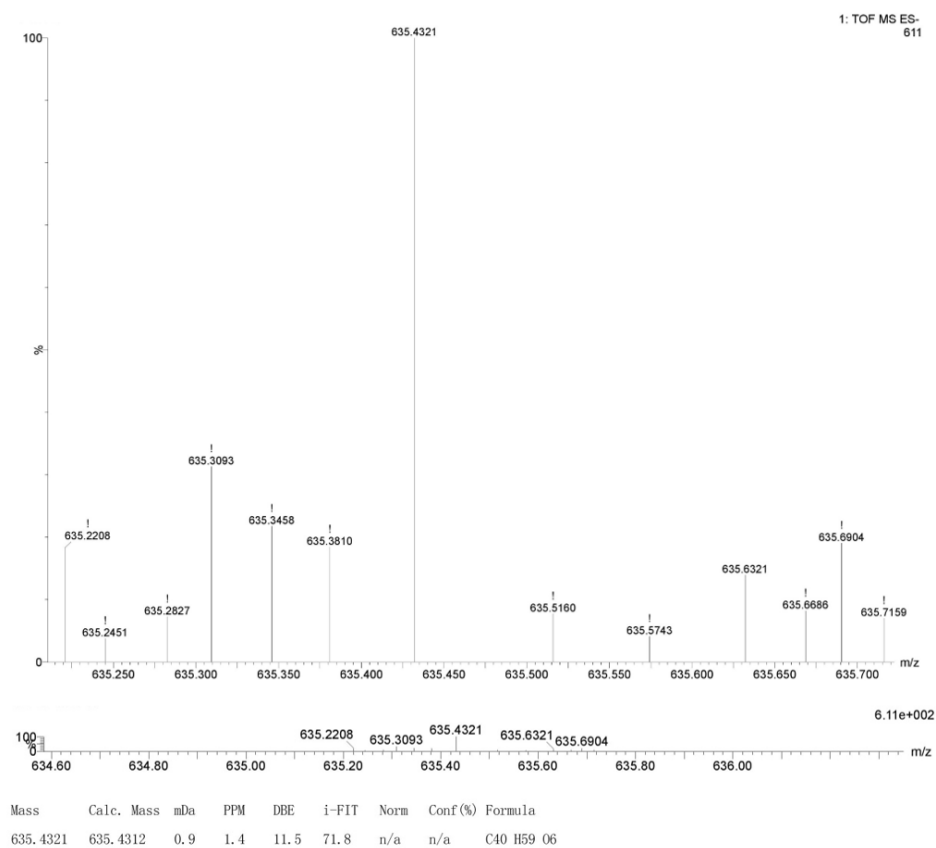


Figure S17 The HRESIMS spectrum of compound **3**.

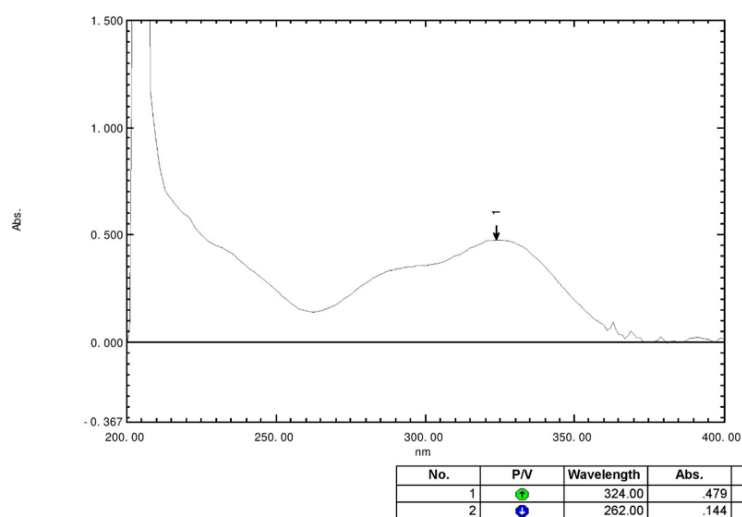


Figure S18 The UV spectrum of compound **3**.

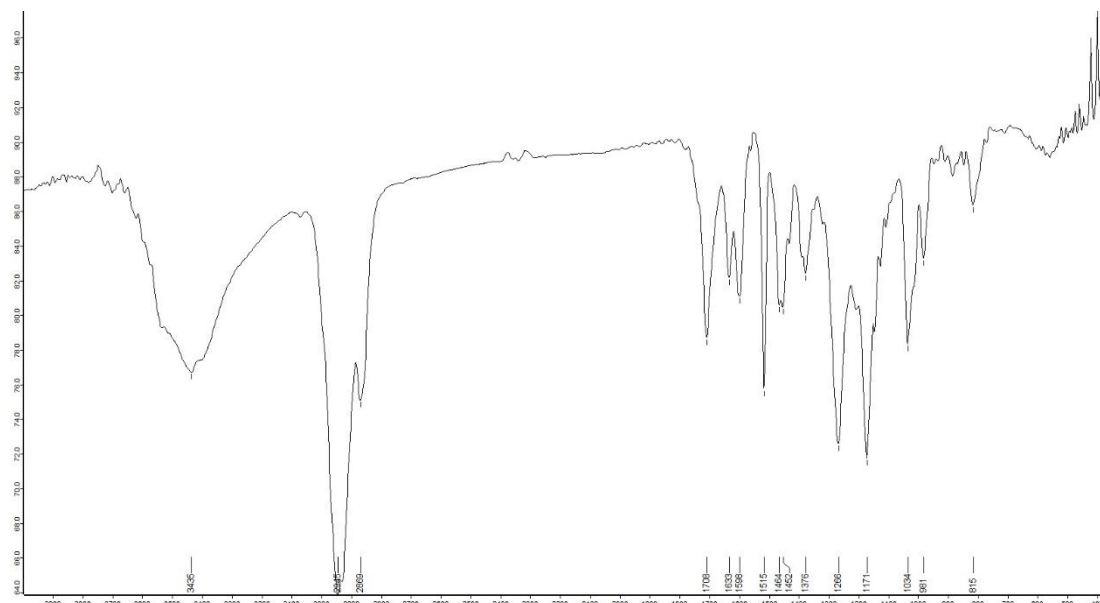


Figure S19 The IR spectrum of compound **3**.

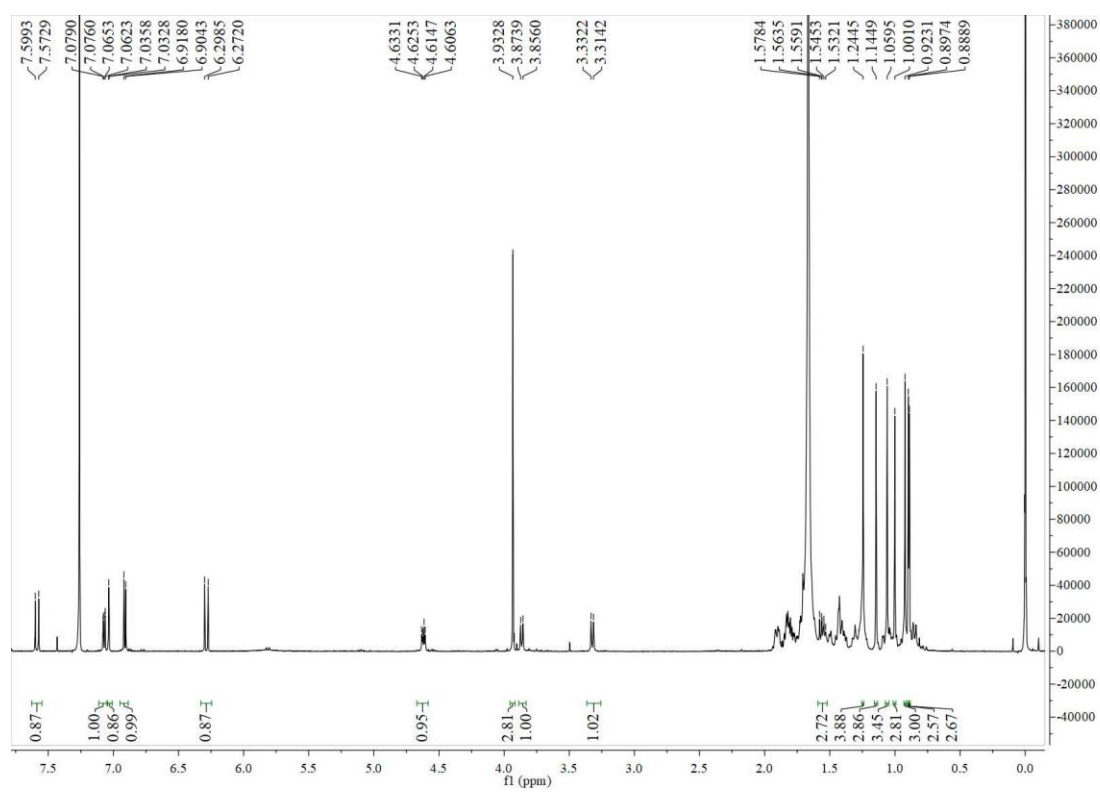


Figure S20 The ^1H -NMR spectrum of compound **3**.

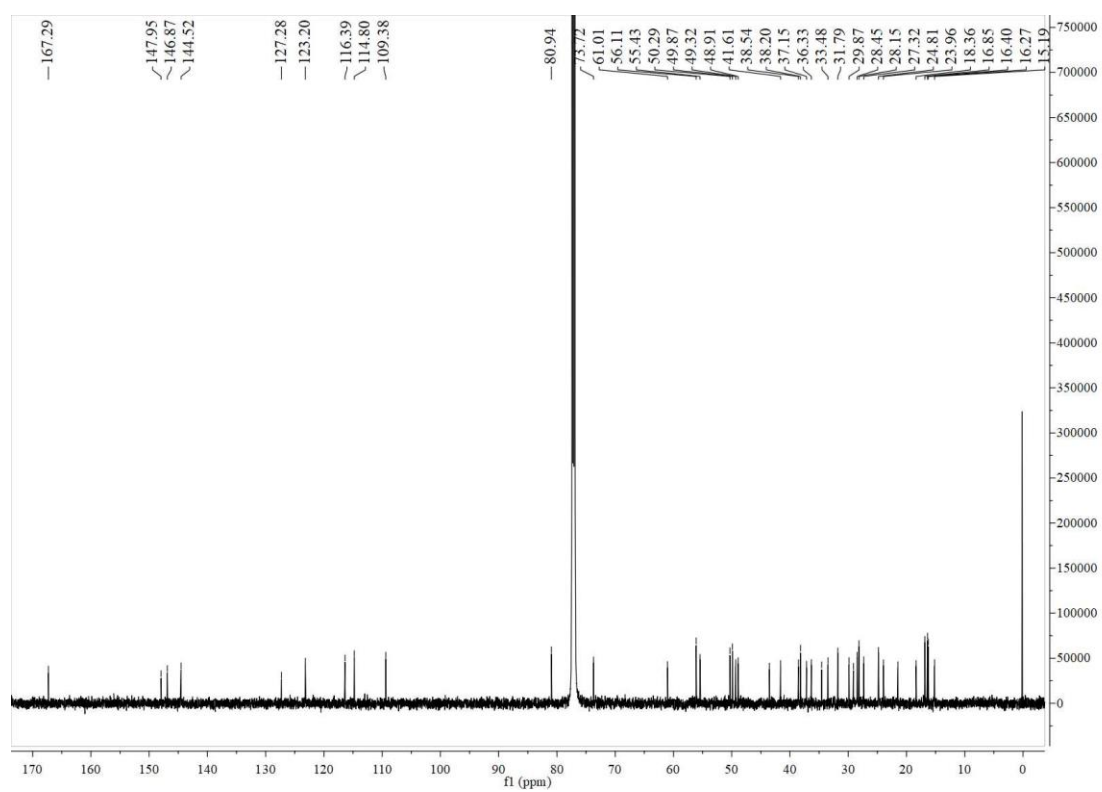


Figure S21 The ^{13}C -NMR spectrum of compound **3**.

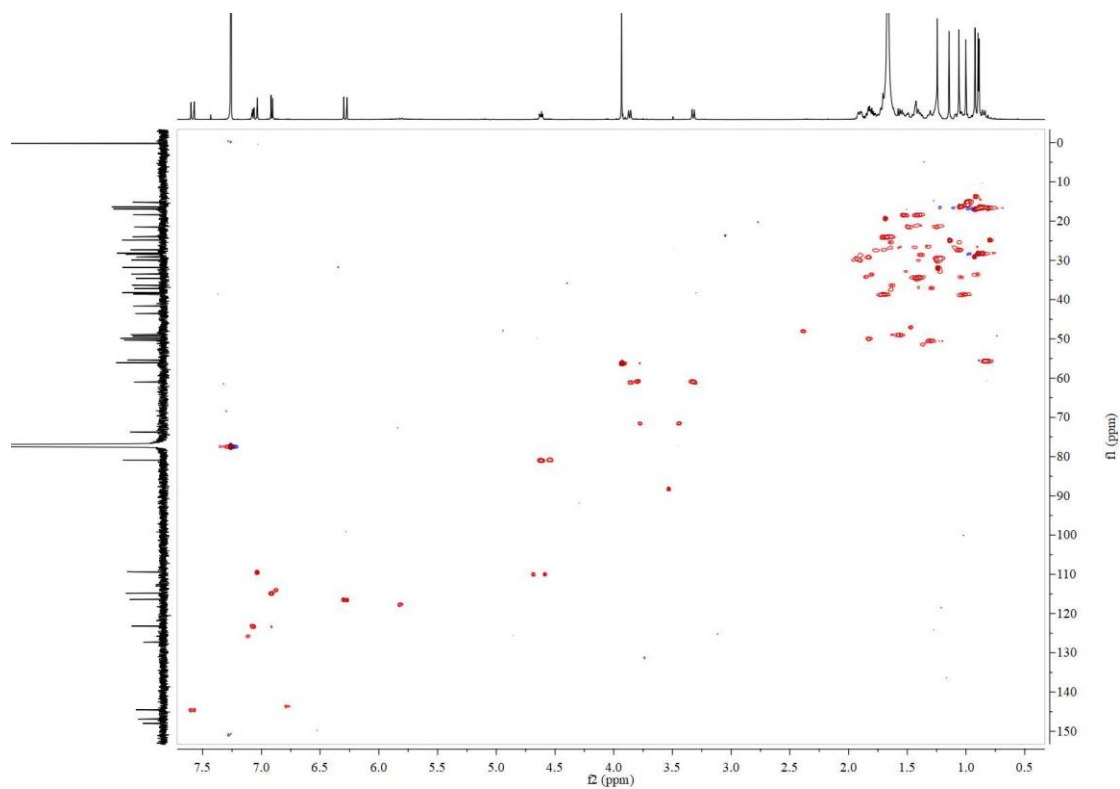


Figure S22 The HSQC spectrum of compound **3**.

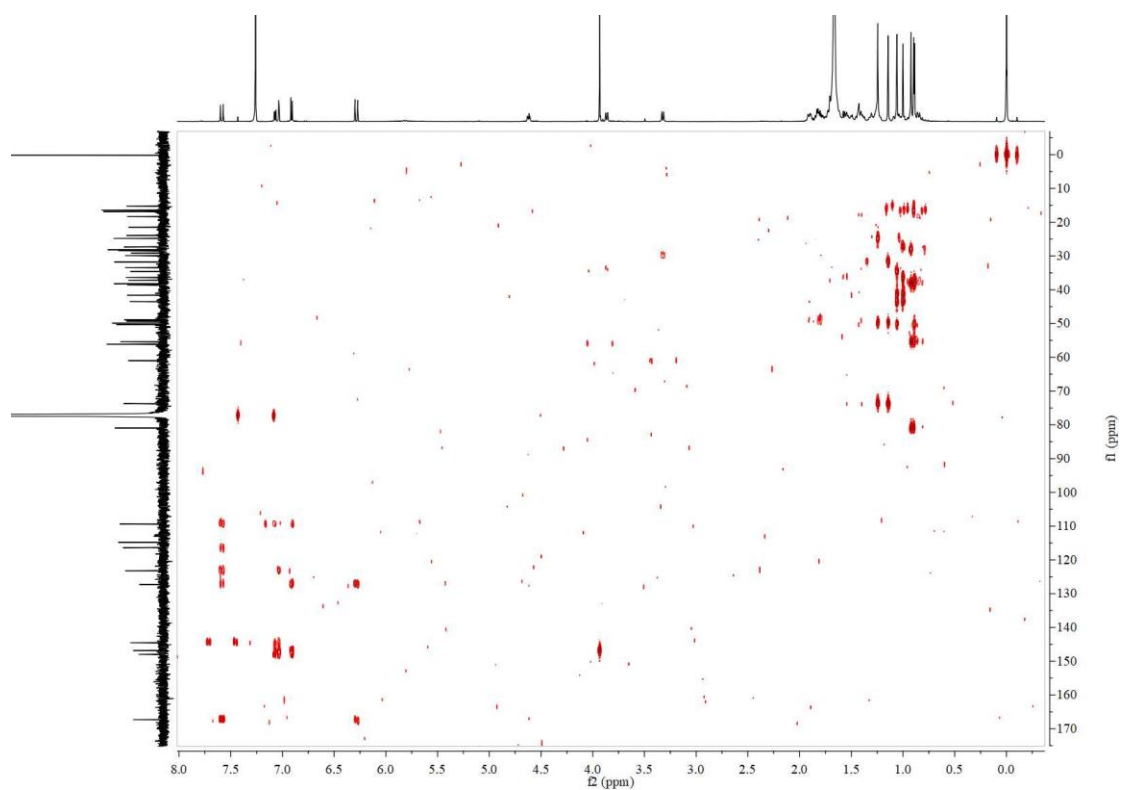


Figure S23 The HMBC spectrum of compound **3**.

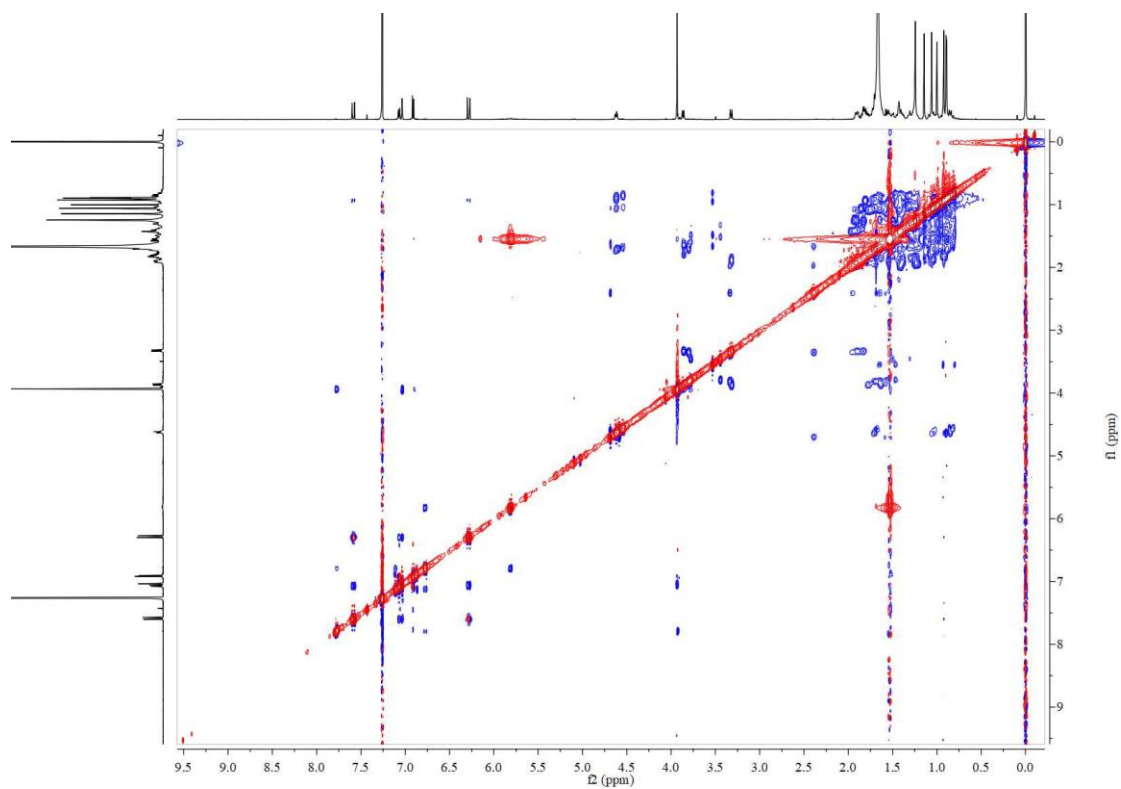


Figure S24 The NOESY spectrum of compound **3**.

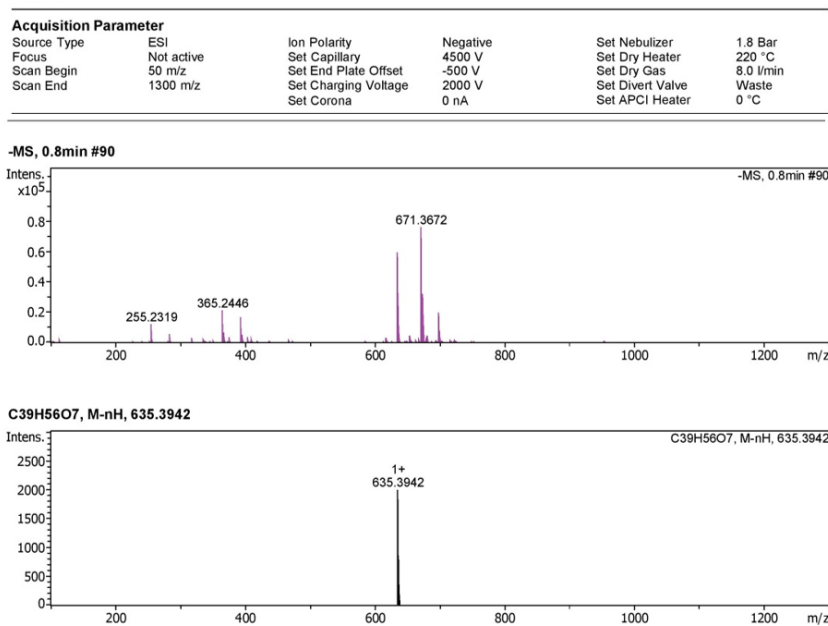


Figure S25 The HRESIMS spectrum of compound **4**.

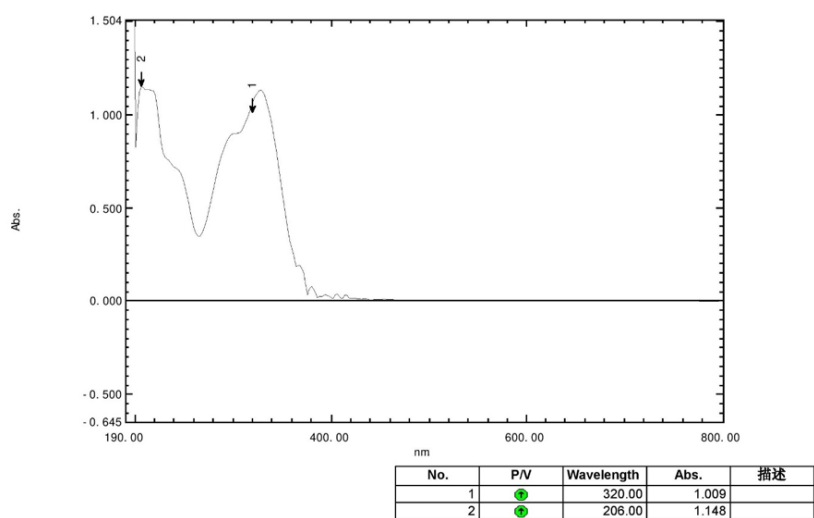


Figure S26 The UV spectrum of compound **4**.

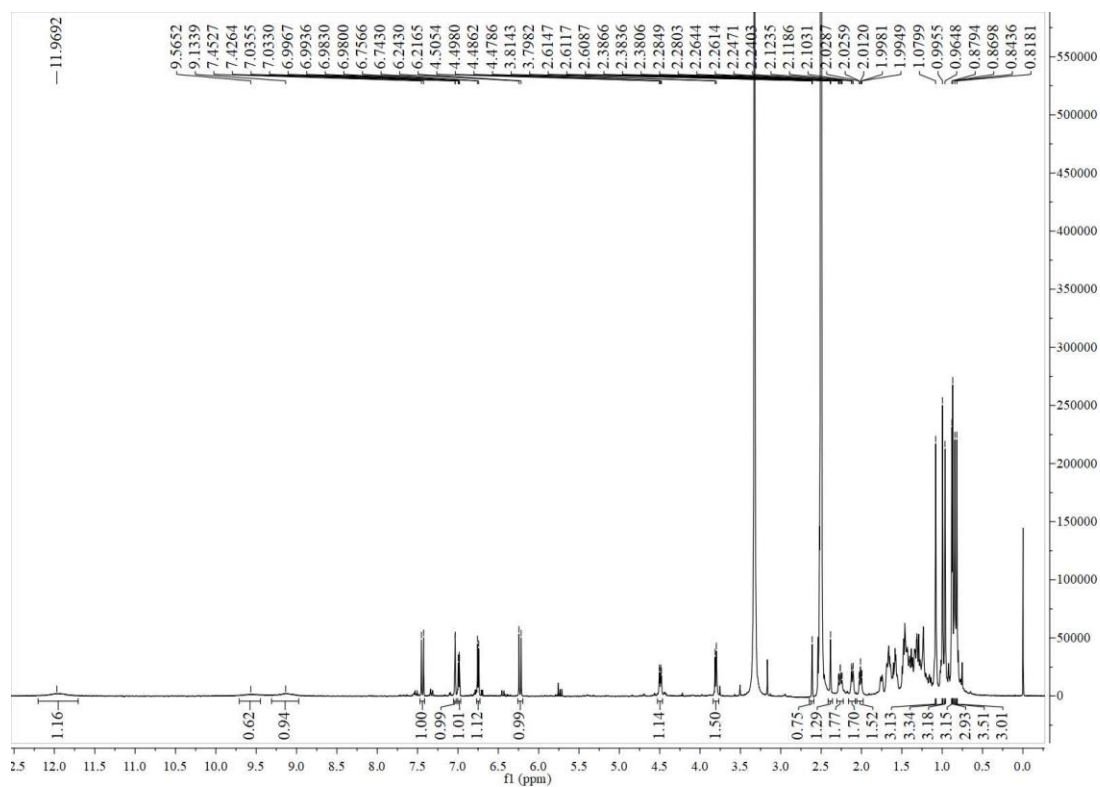


Figure S27 The ^1H -NMR spectrum of compound **4**.

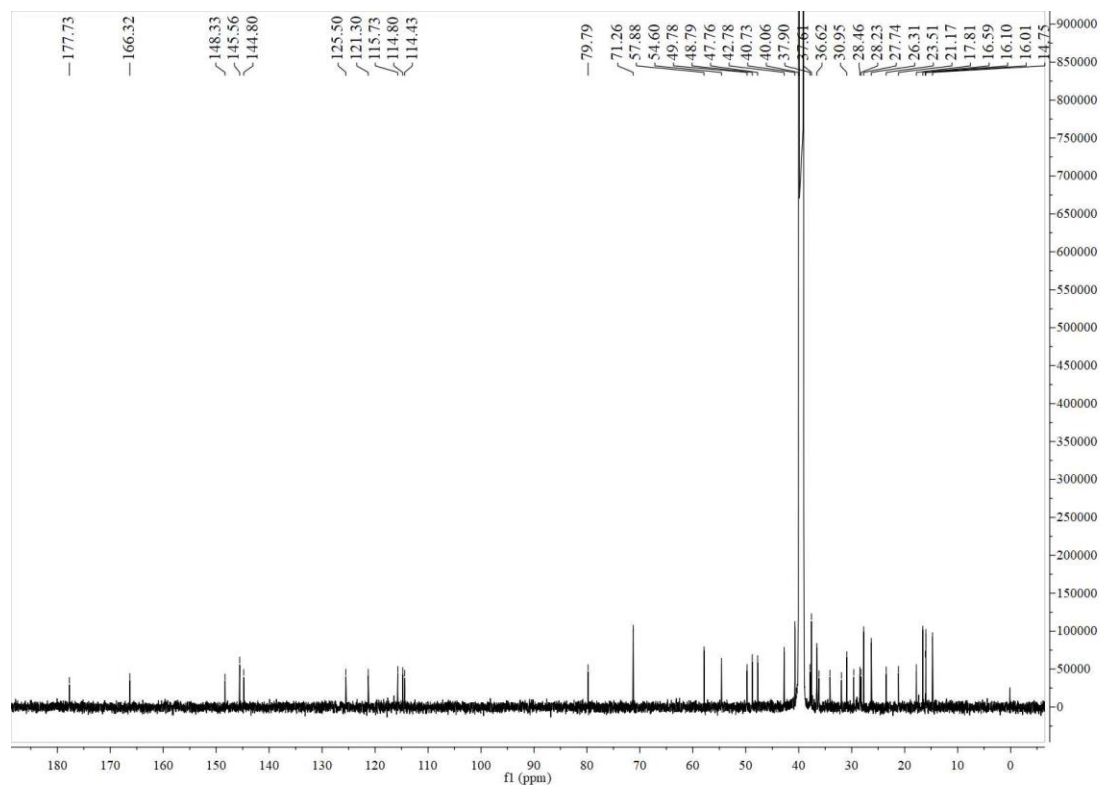


Figure S28 The ^{13}C -NMR spectrum of compound **4**.

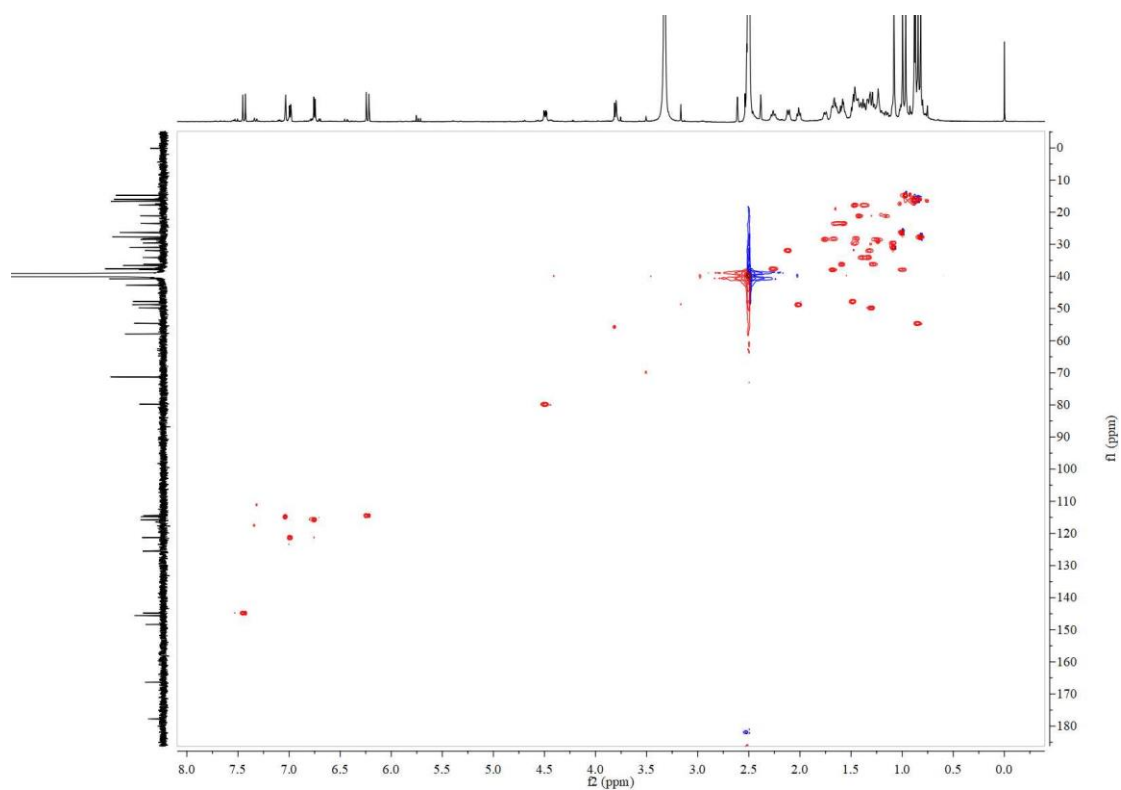


Figure S29 The HSQC spectrum of compound 4.

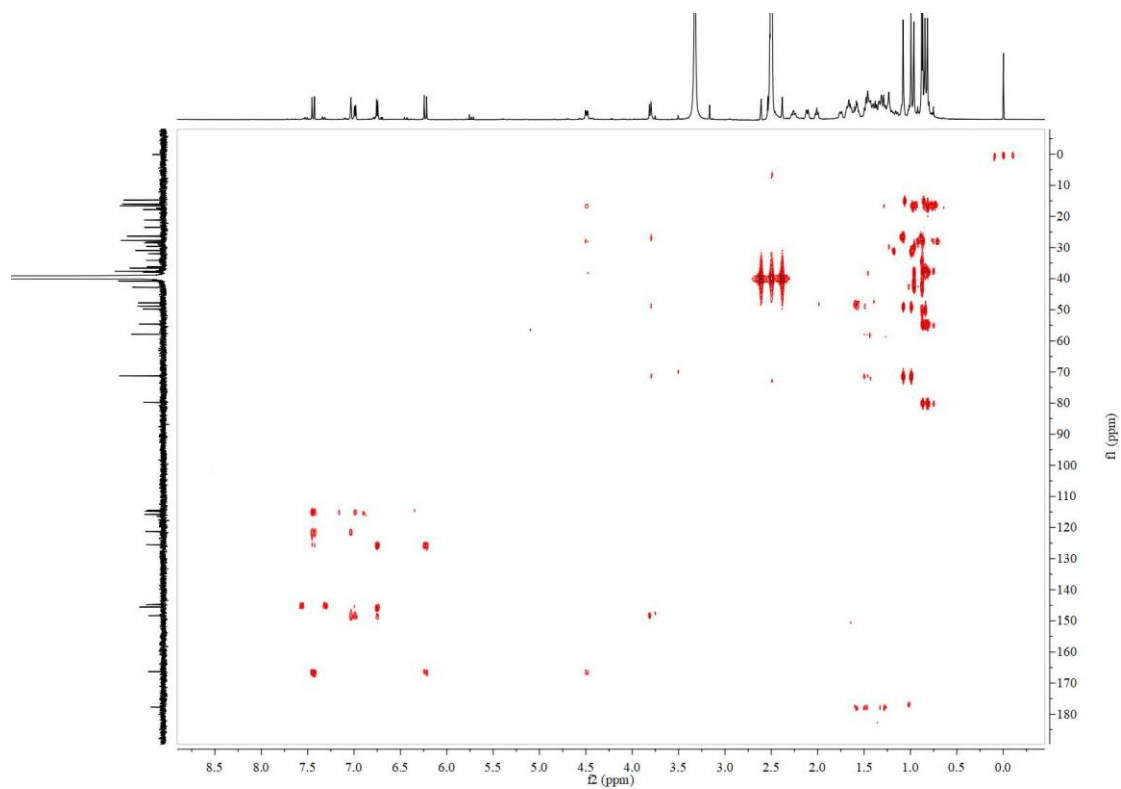


Figure S30 The HMBC spectrum of compound 4.

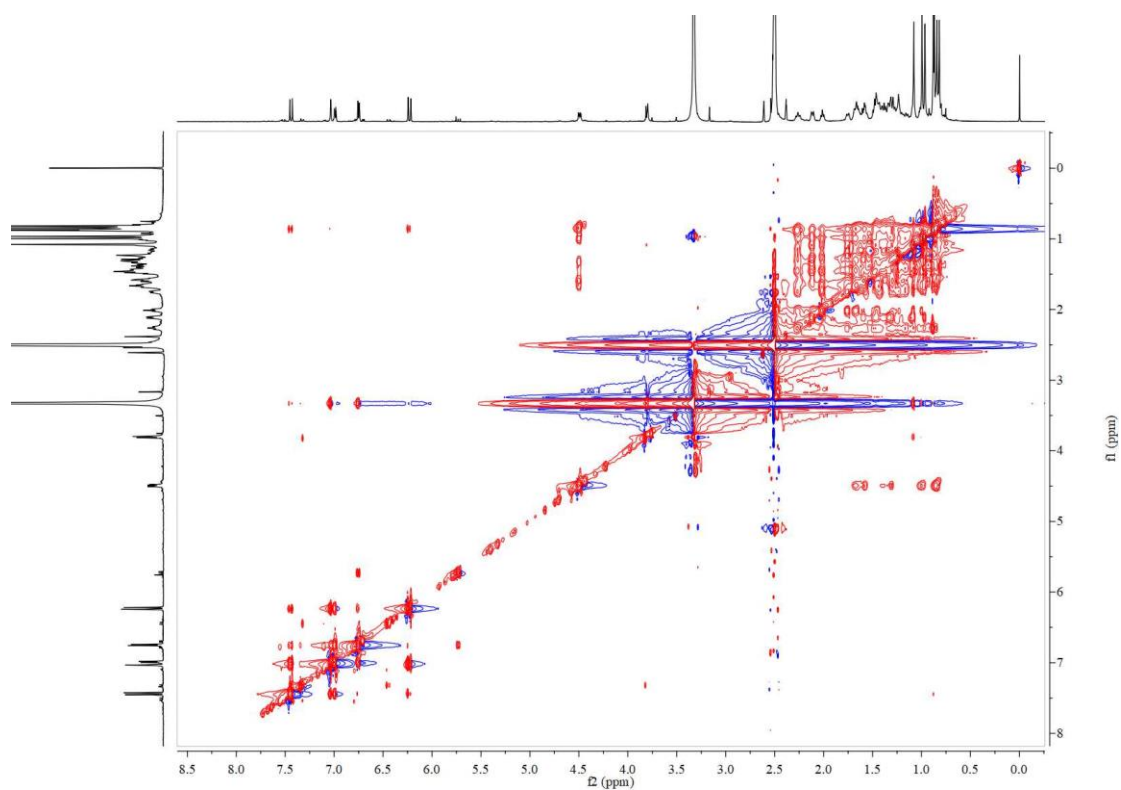


Figure S31 The NOESY spectrum of compound **4**.

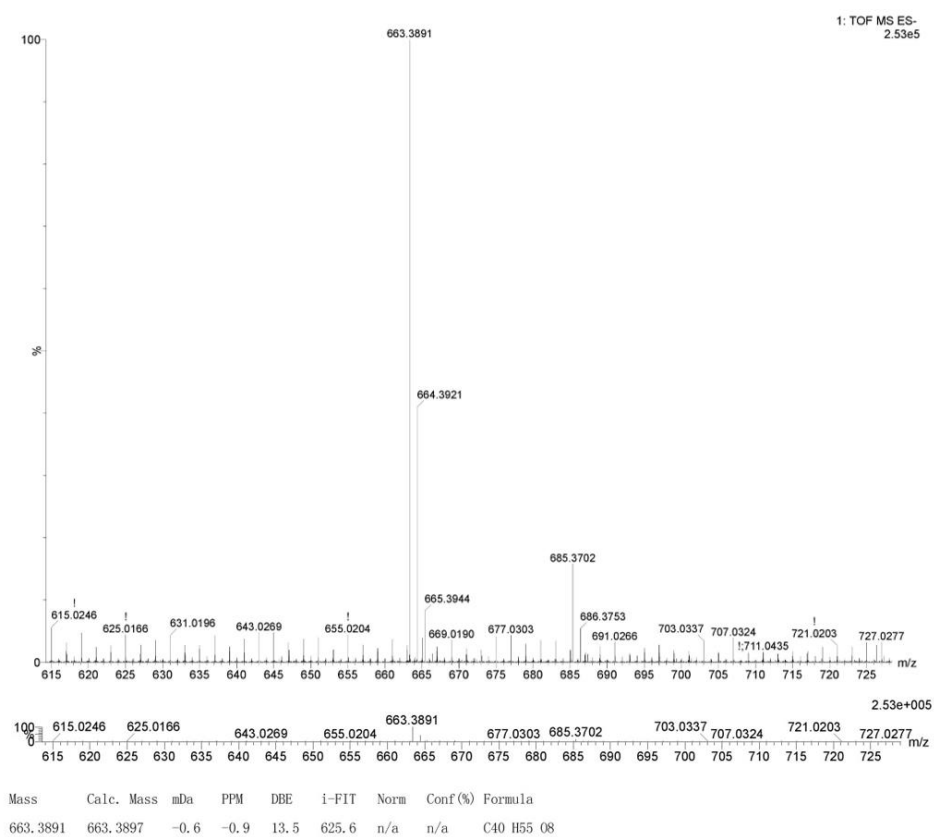


Figure S32 The HRESIMS spectrum of compound **8**.

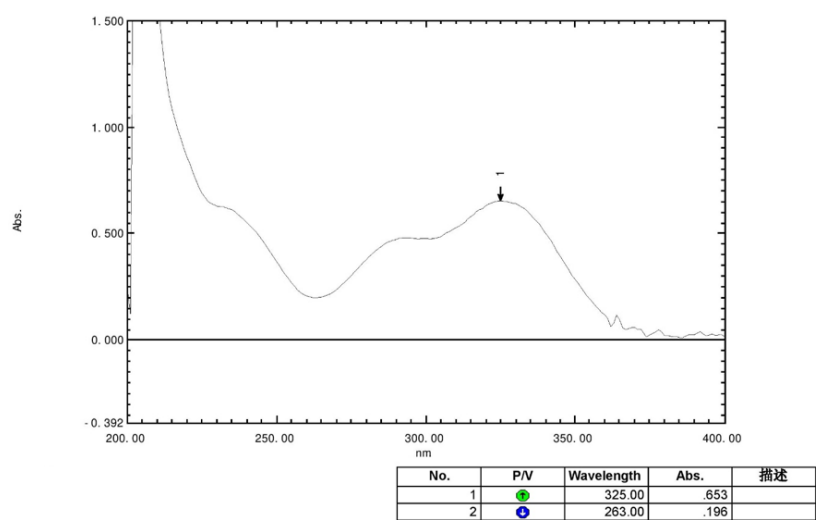


Figure S33 The UV spectrum of compound **8**.

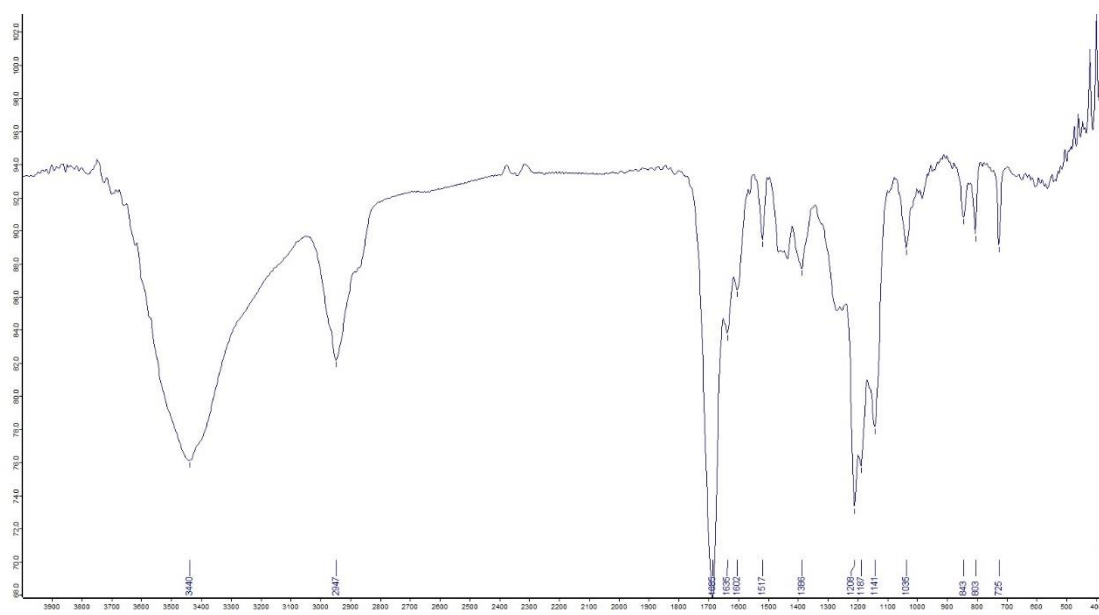


Figure S34 The IR spectrum of compound **8**.

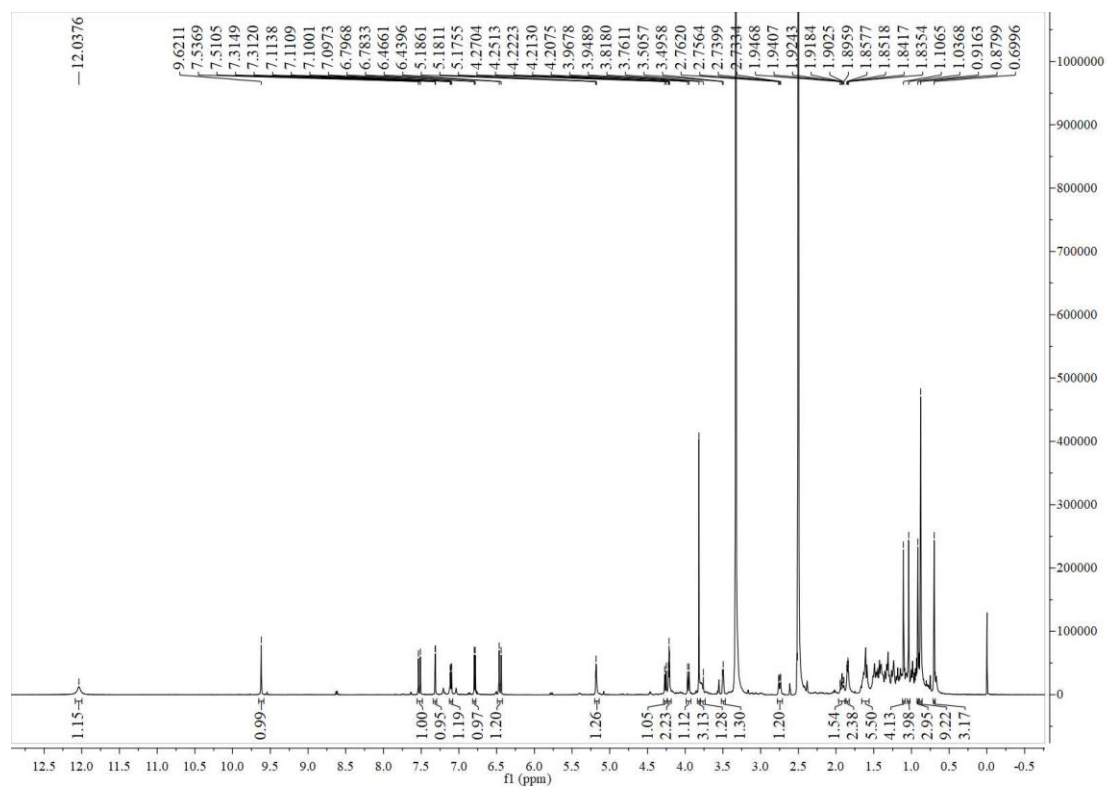


Figure S35 The ¹H-NMR spectrum of compound **8**.

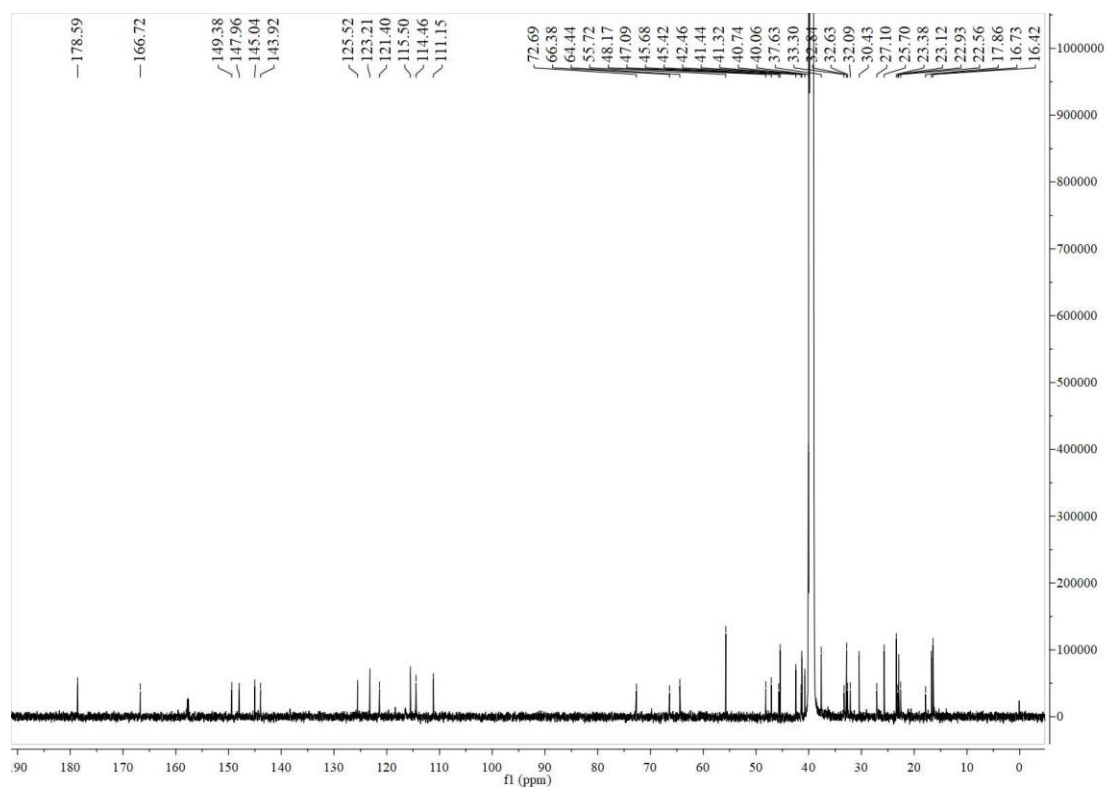


Figure S36 The ¹³C-NMR spectrum of compound **8**.

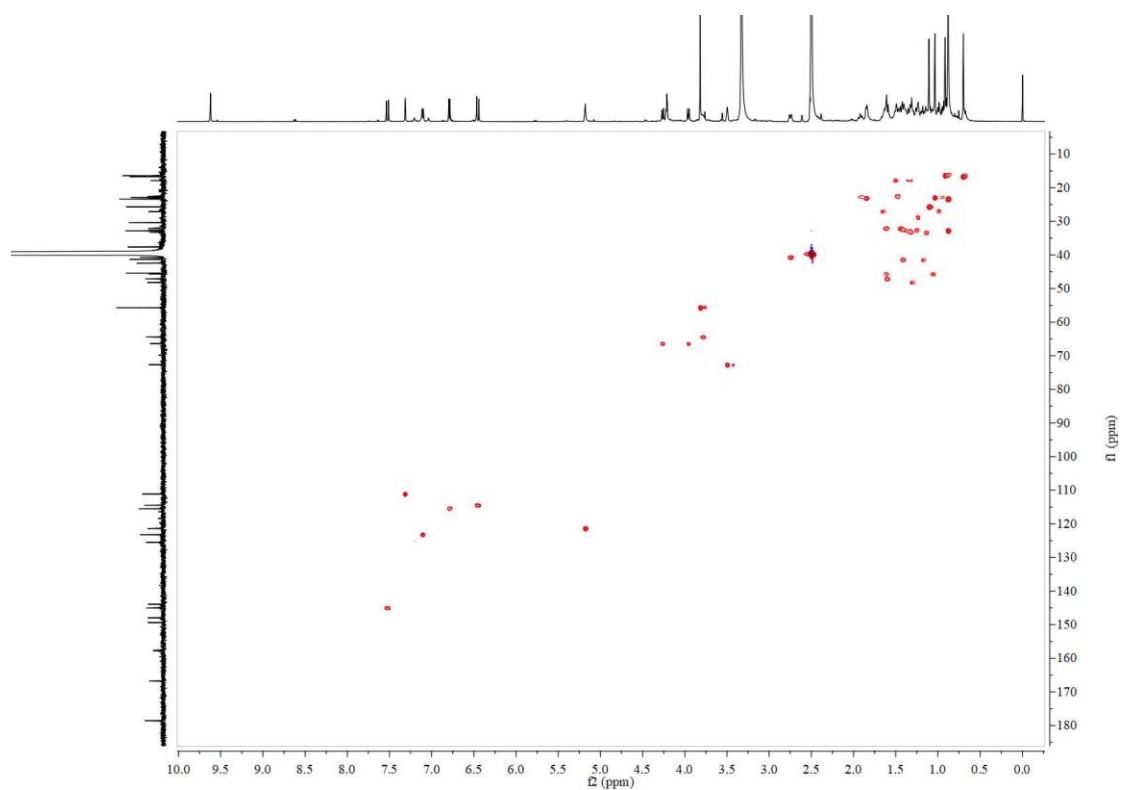


Figure S37 The HSQC spectrum of compound **8**.

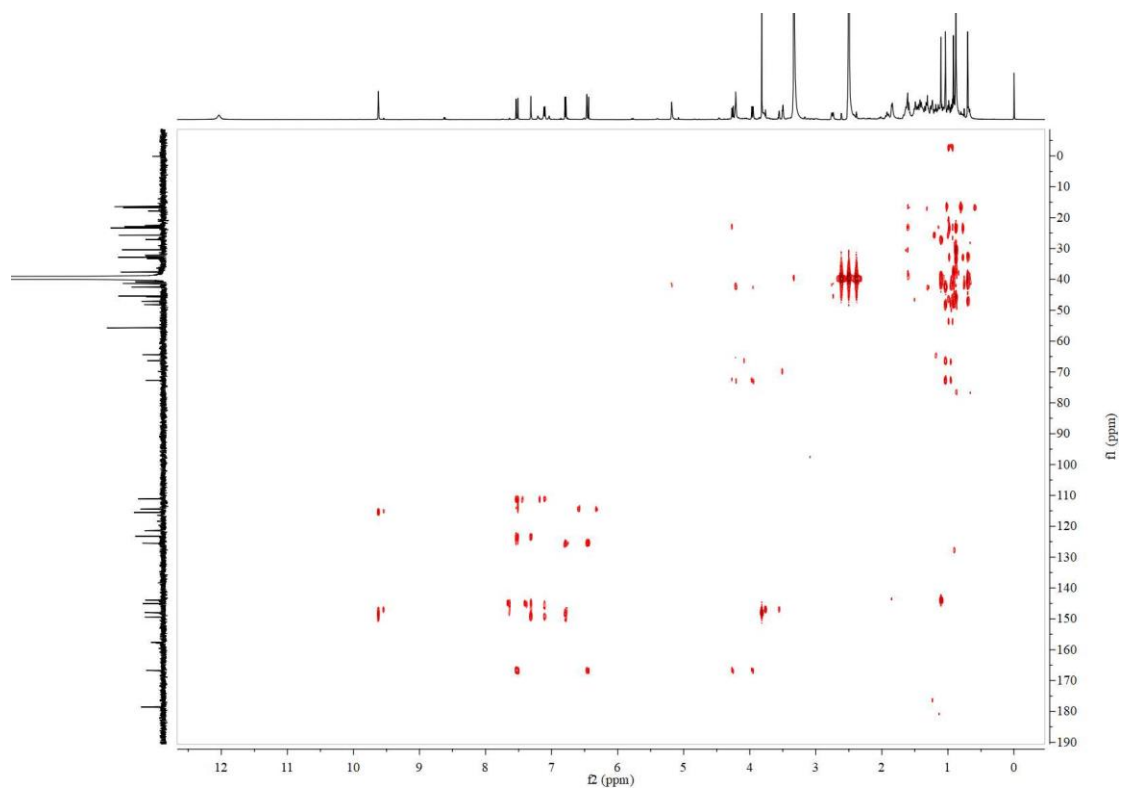


Figure S38 The HMBC spectrum of compound **8**.

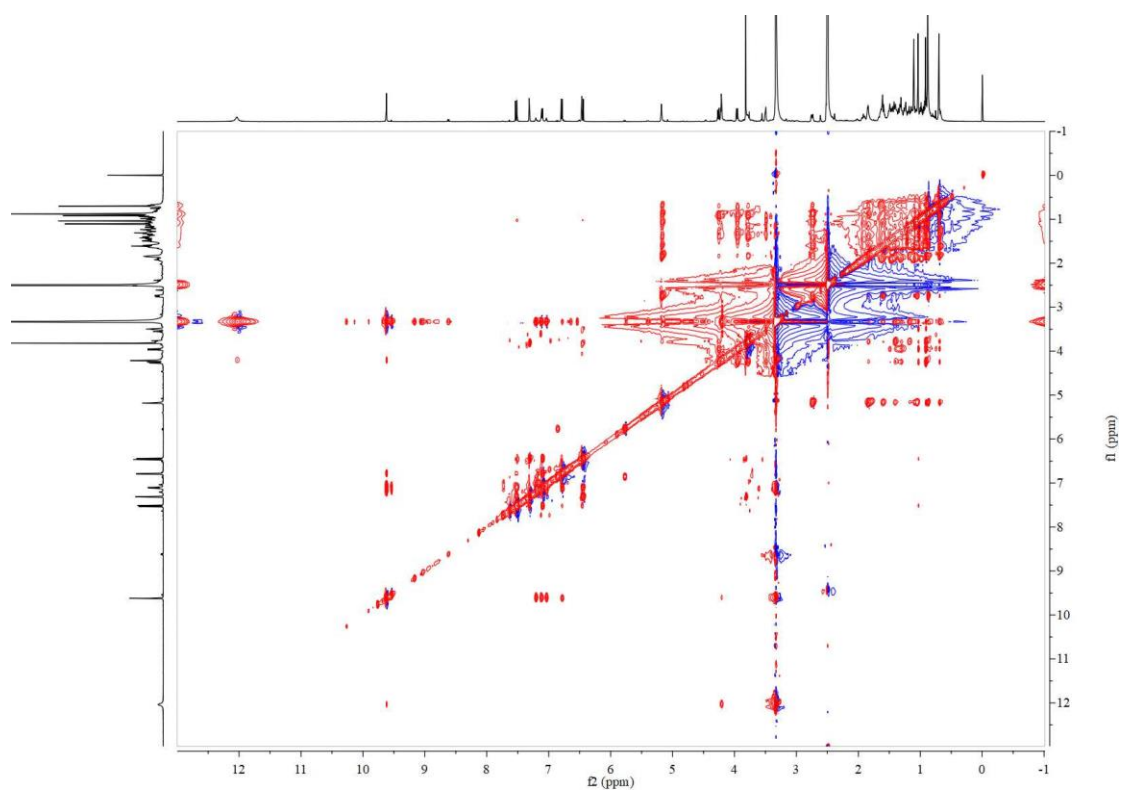


Figure S39 The NOESY spectrum of compound **8**.

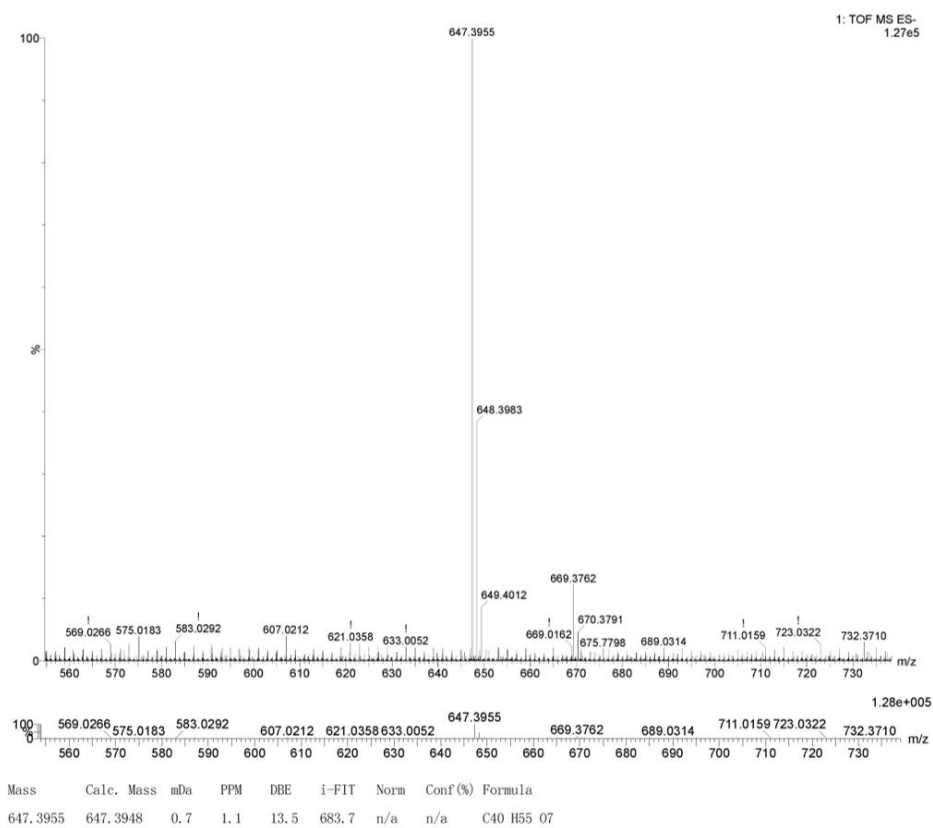


Figure S40 The HRESIMS spectrum of compound **9**.

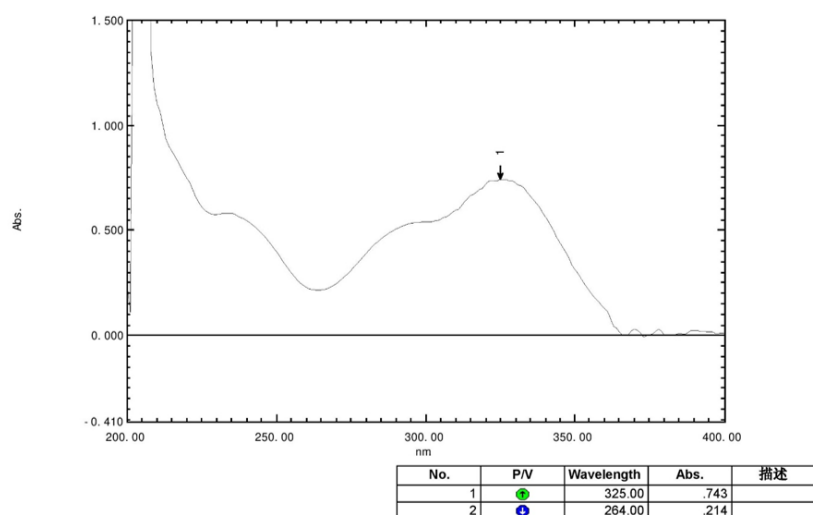


Figure S41 The UV spectrum of compound **9**.

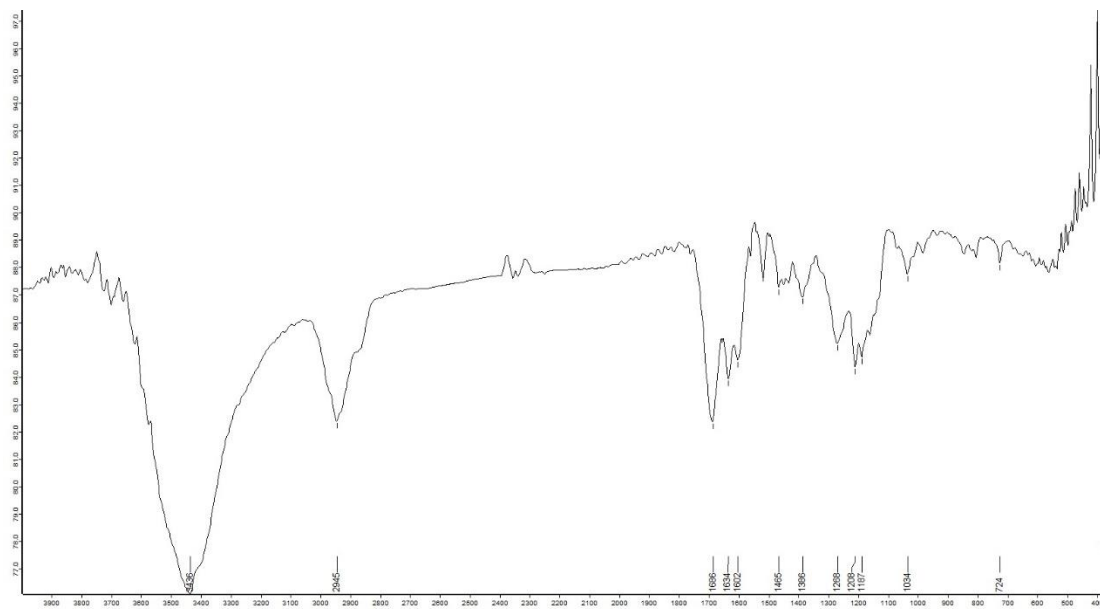


Figure S42 The IR spectrum of compound **9**.

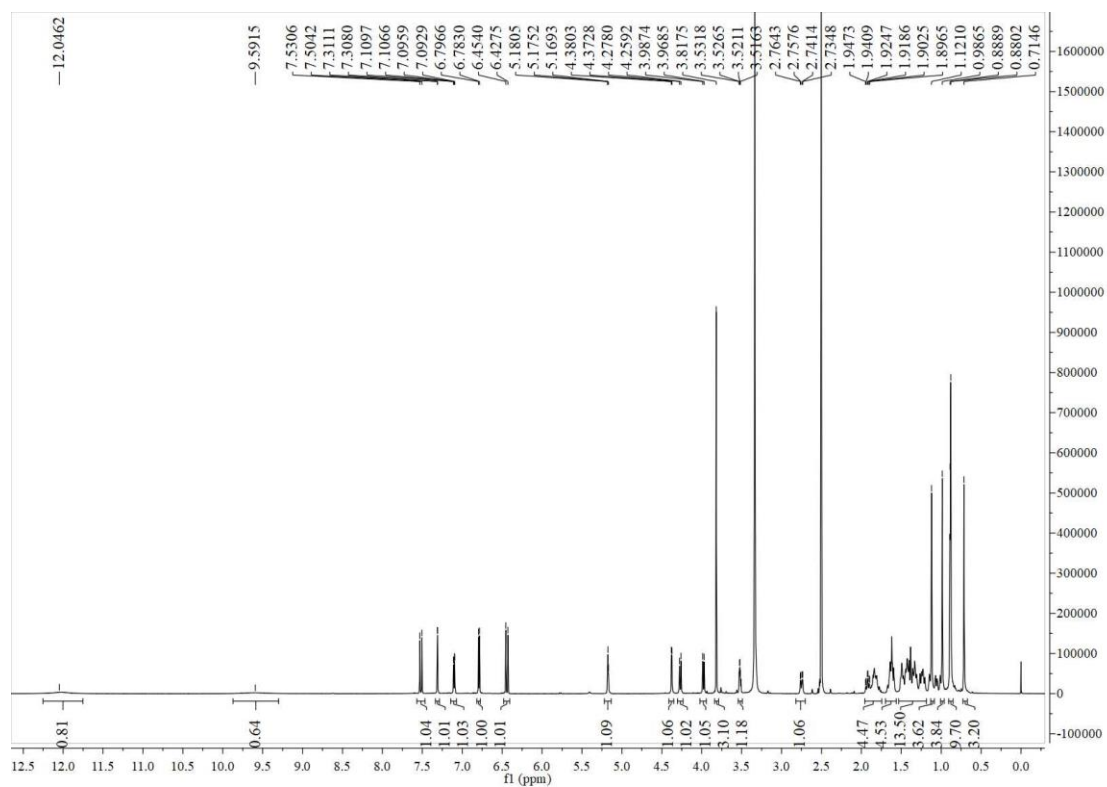


Figure S43 The ¹H-NMR spectrum of compound 9.

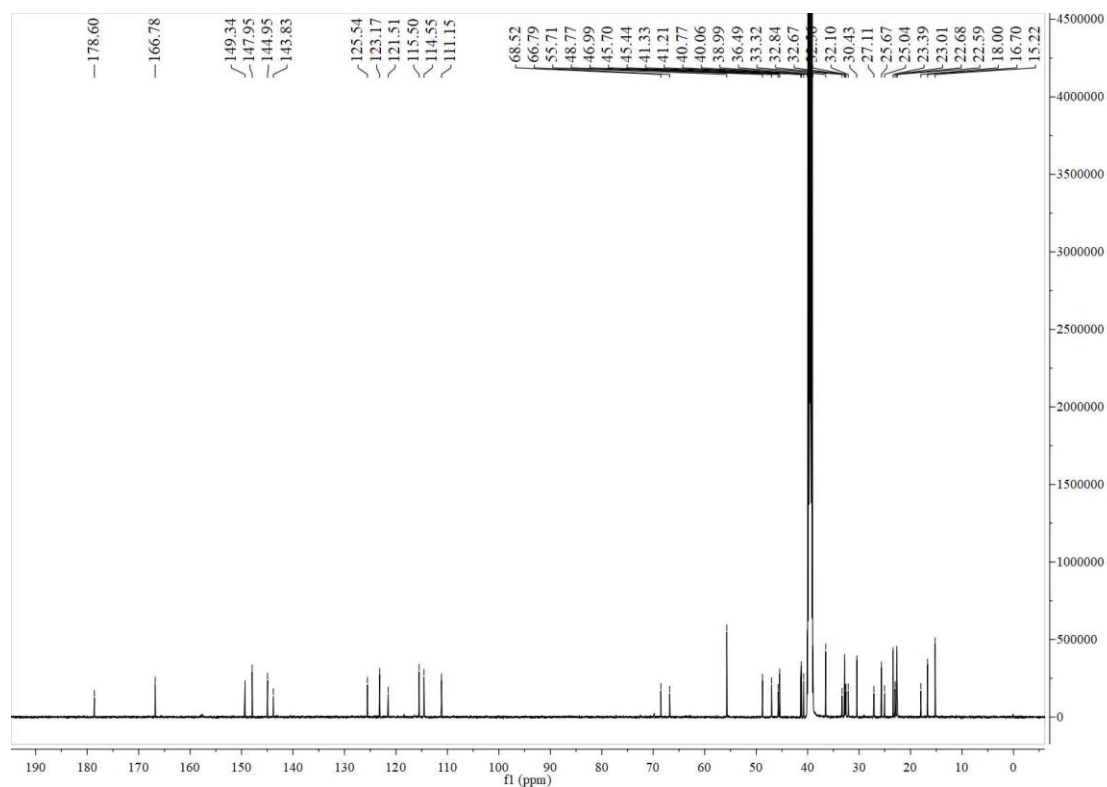


Figure S44 The ¹³C-NMR spectrum of compound 9.

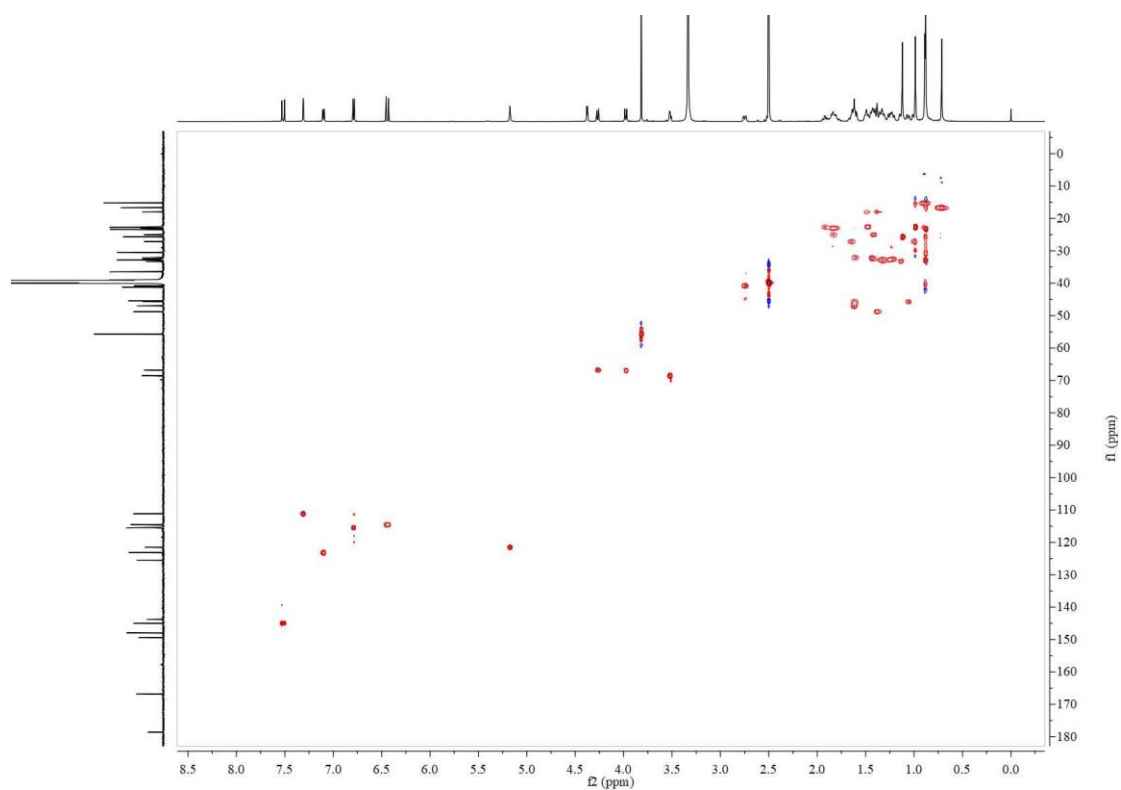


Figure S45 The HSQC spectrum of compound **9**.

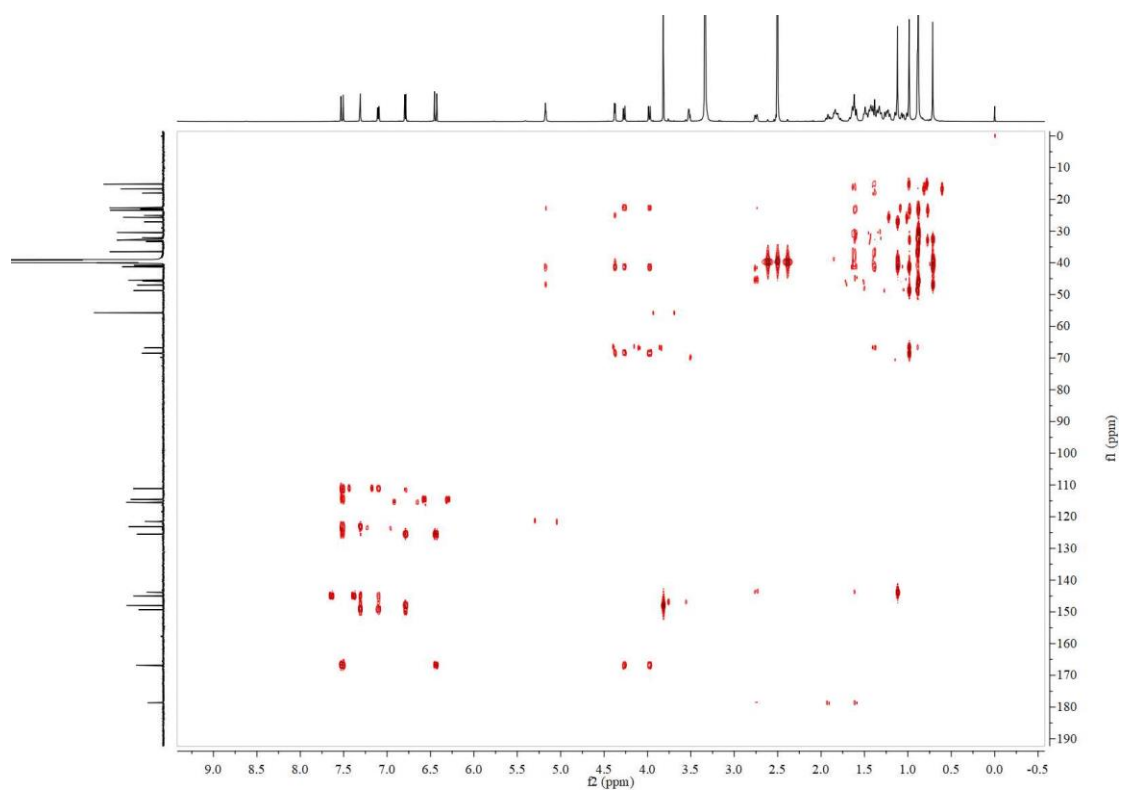


Figure S46 The HMBC spectrum of compound **9**.

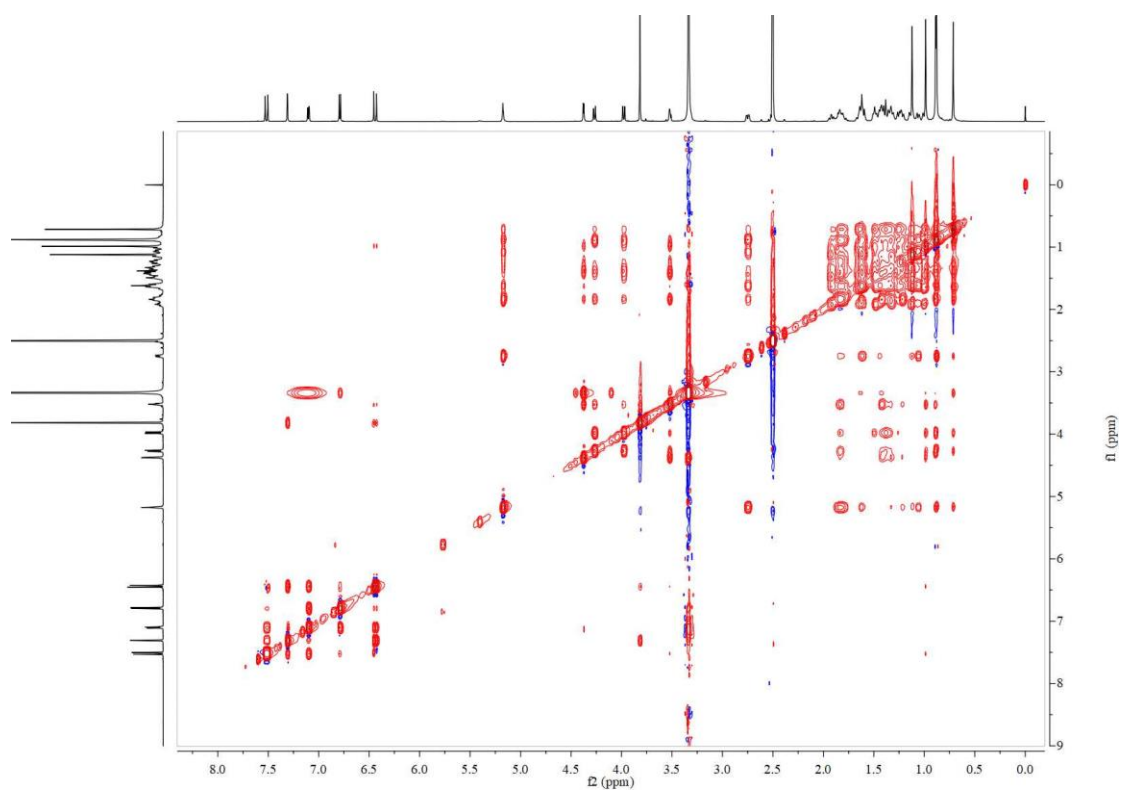


Figure S47 The NOESY spectrum of compound **9**.

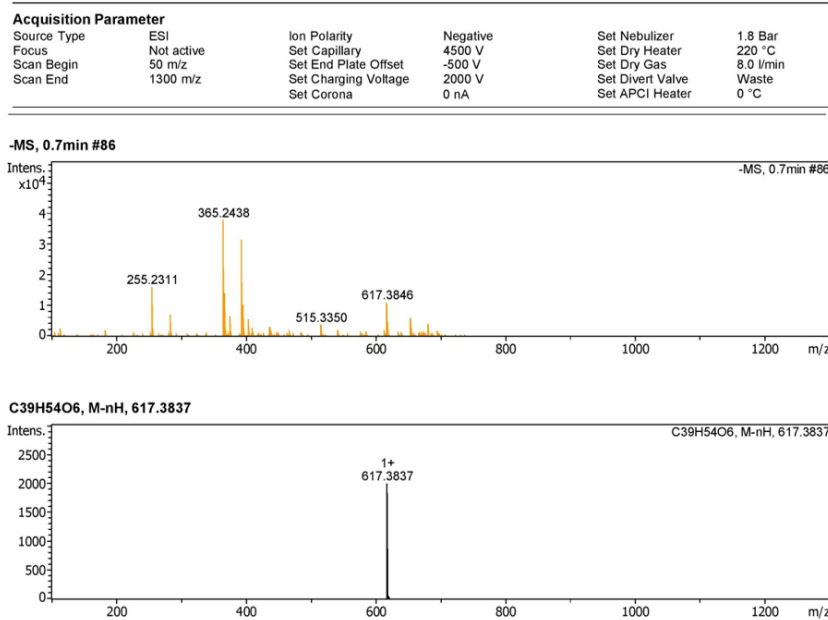


Figure S48 The HRESIMS spectrum of compound **10**.

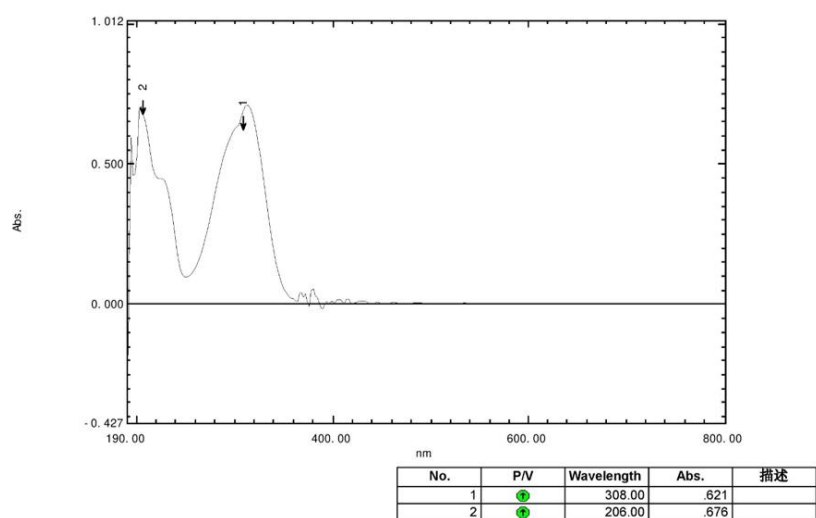


Figure S49 The UV spectrum of compound **10**.

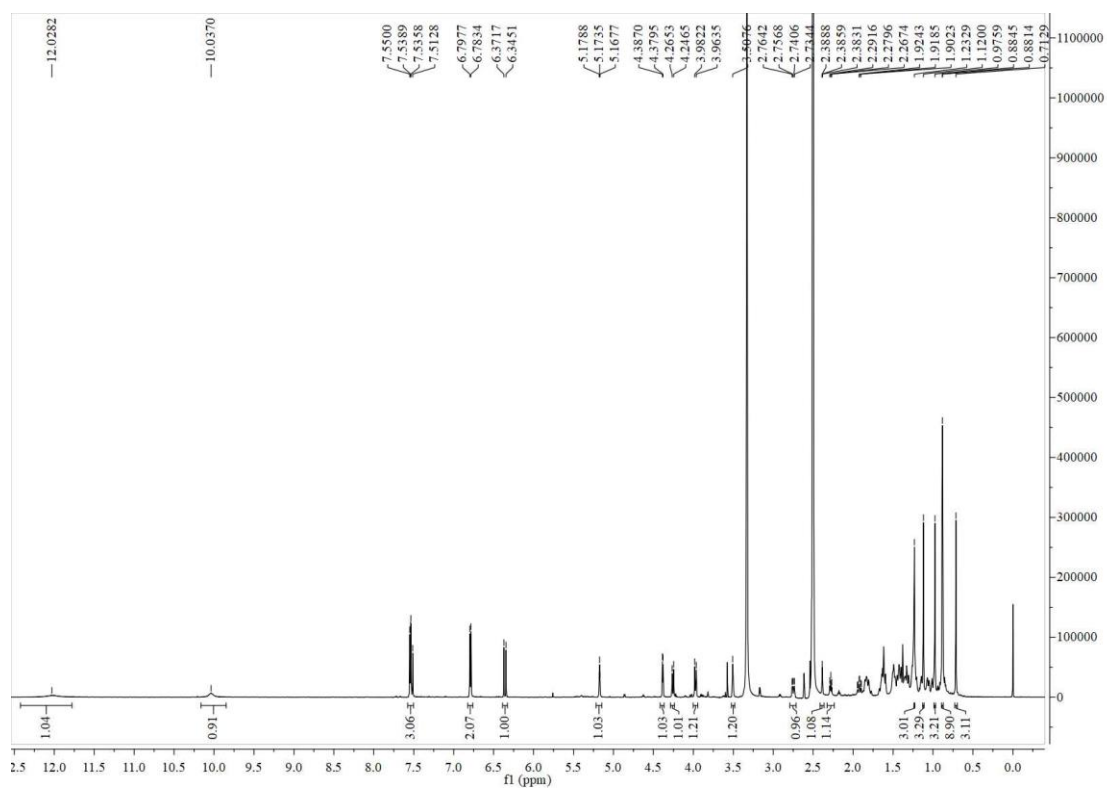


Figure S50 The ^1H -NMR spectrum of compound **10**.

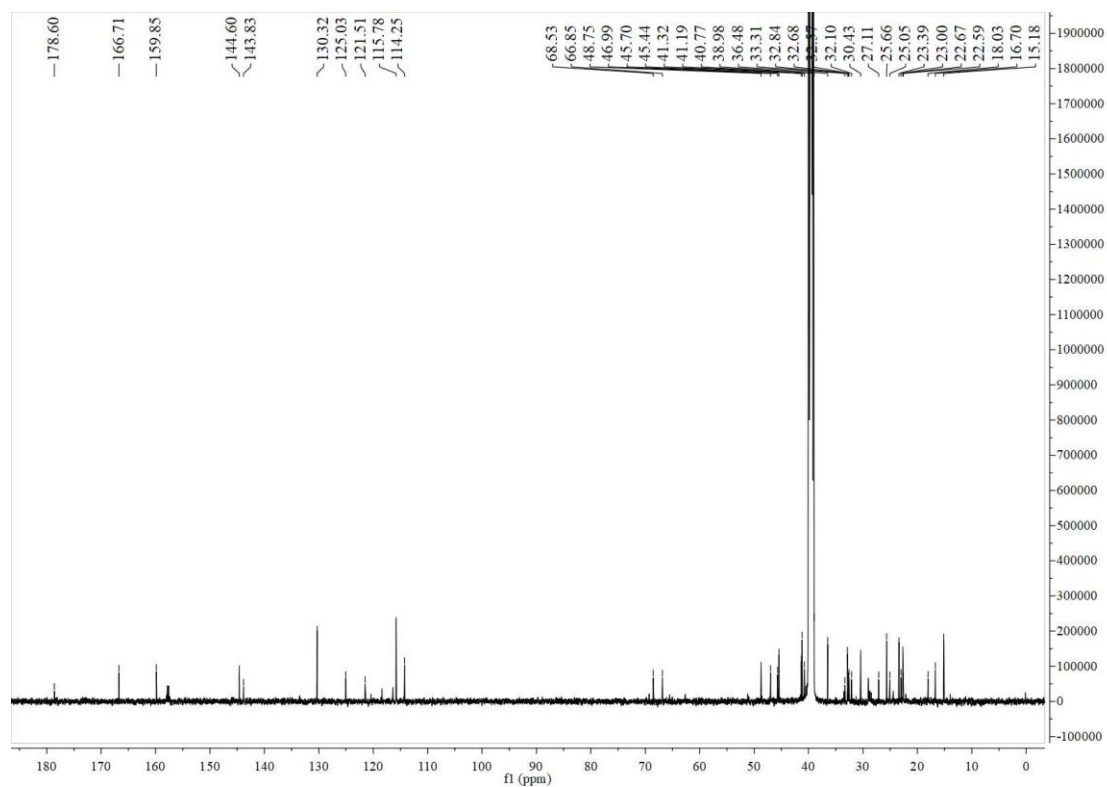


Figure S51 The ^{13}C -NMR spectrum of compound **10**.

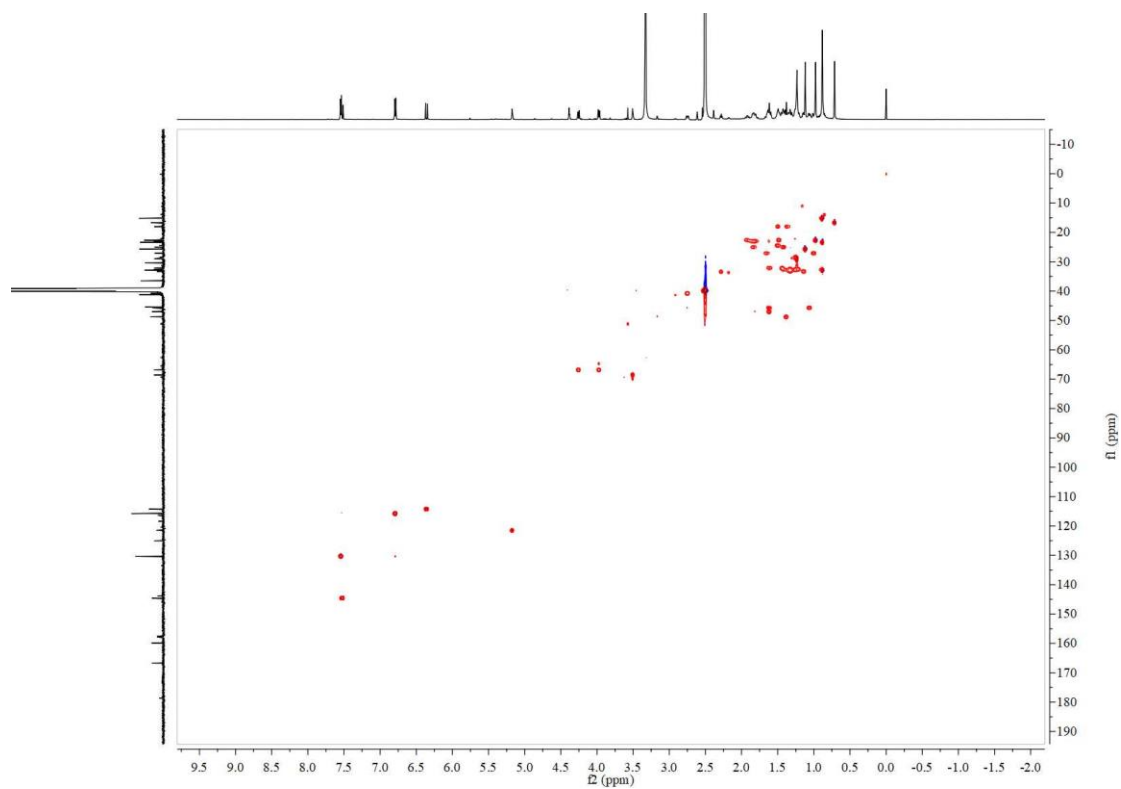


Figure S52 The HSQC spectrum of compound **10**.

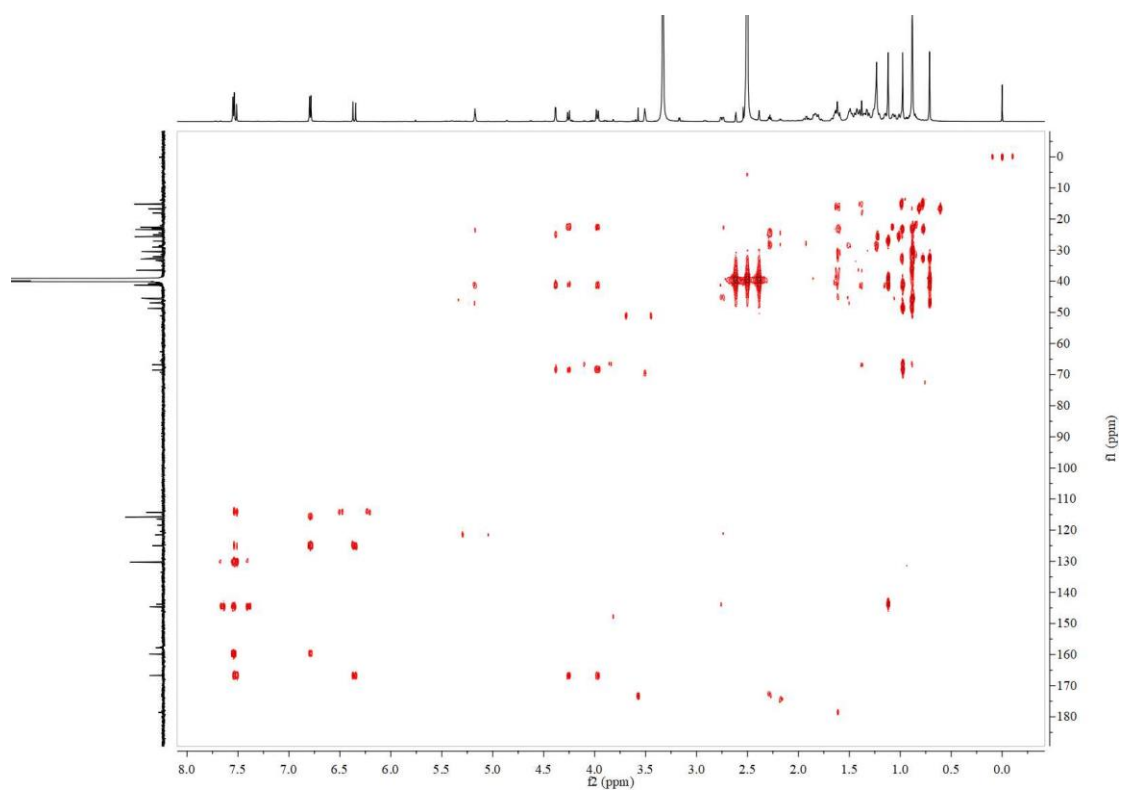


Figure S53 The HMBC spectrum of compound **10**.

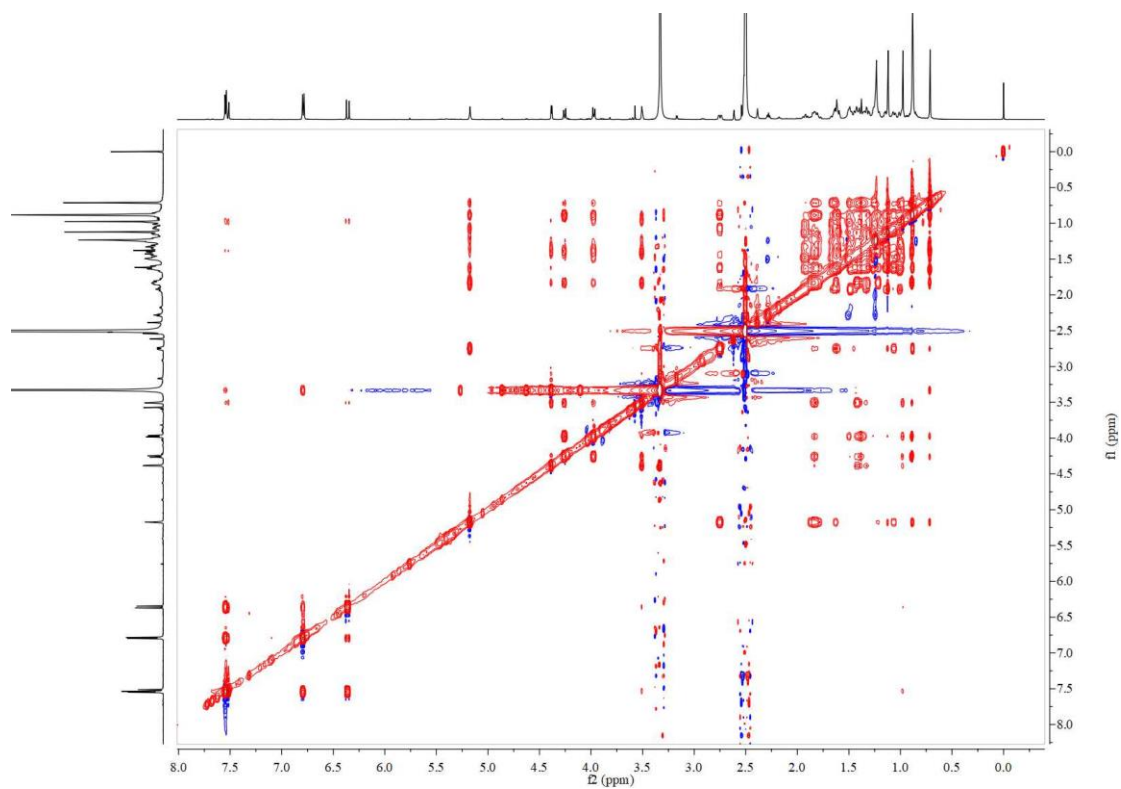


Figure S54 The NOESY spectrum of compound **10**.

Acquisition Parameter					
Source Type	ESI	Ion Polarity	Negative	Set Nebulizer	1.8 Bar
Focus	Not active	Set Capillary	4500 V	Set Dry Heater	220 °C
Scan Begin	50 m/z	Set End Plate Offset	-500 V	Set Dry Gas	8.0 l/min
Scan End	1300 m/z	Set Charging Voltage	2000 V	Set Divert Valve	Waste
		Set Corona	0 nA	Set APCI Heater	0 °C

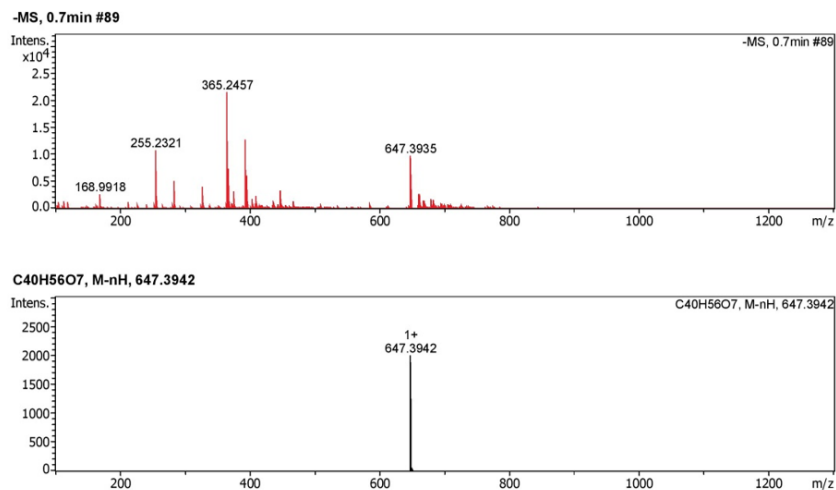


Figure S55 The HRESIMS spectrum of compound **11**.

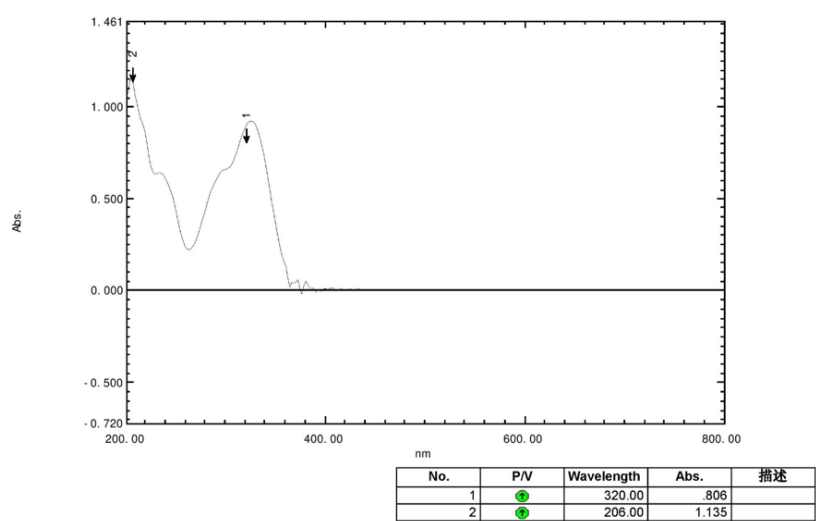


Figure S56 The UV spectrum of compound **11**.

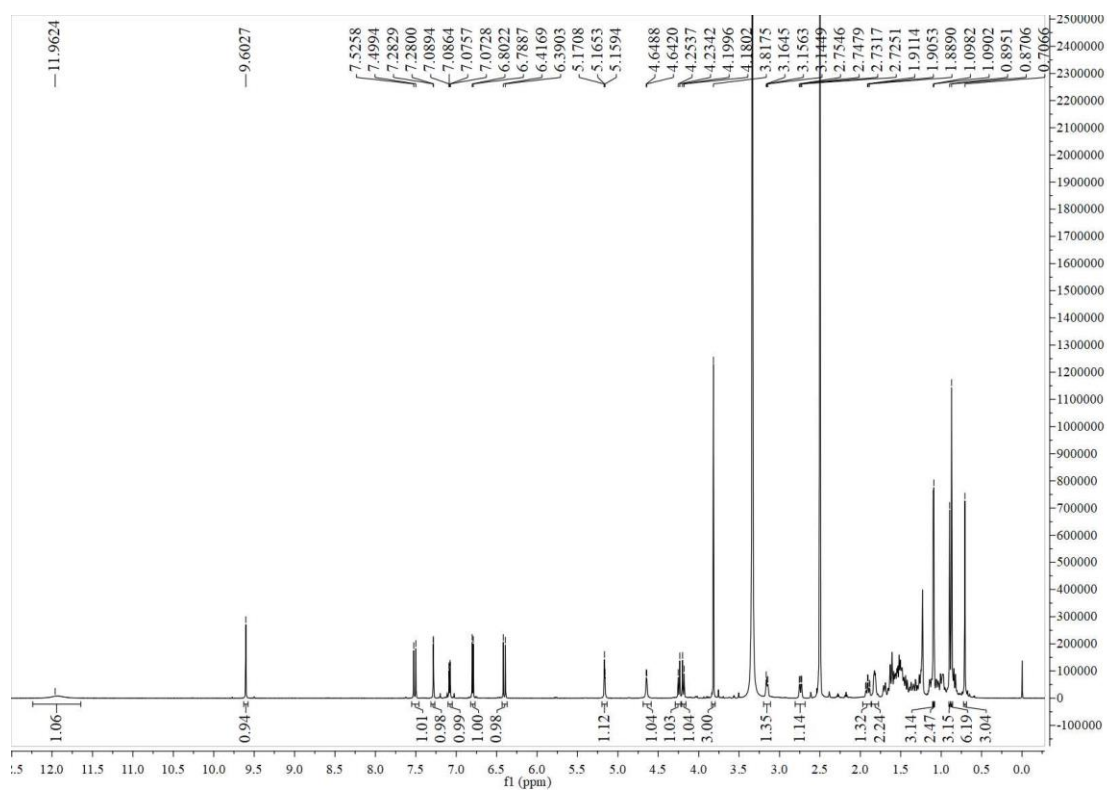


Figure S57 The ¹H-NMR spectrum of compound 11.

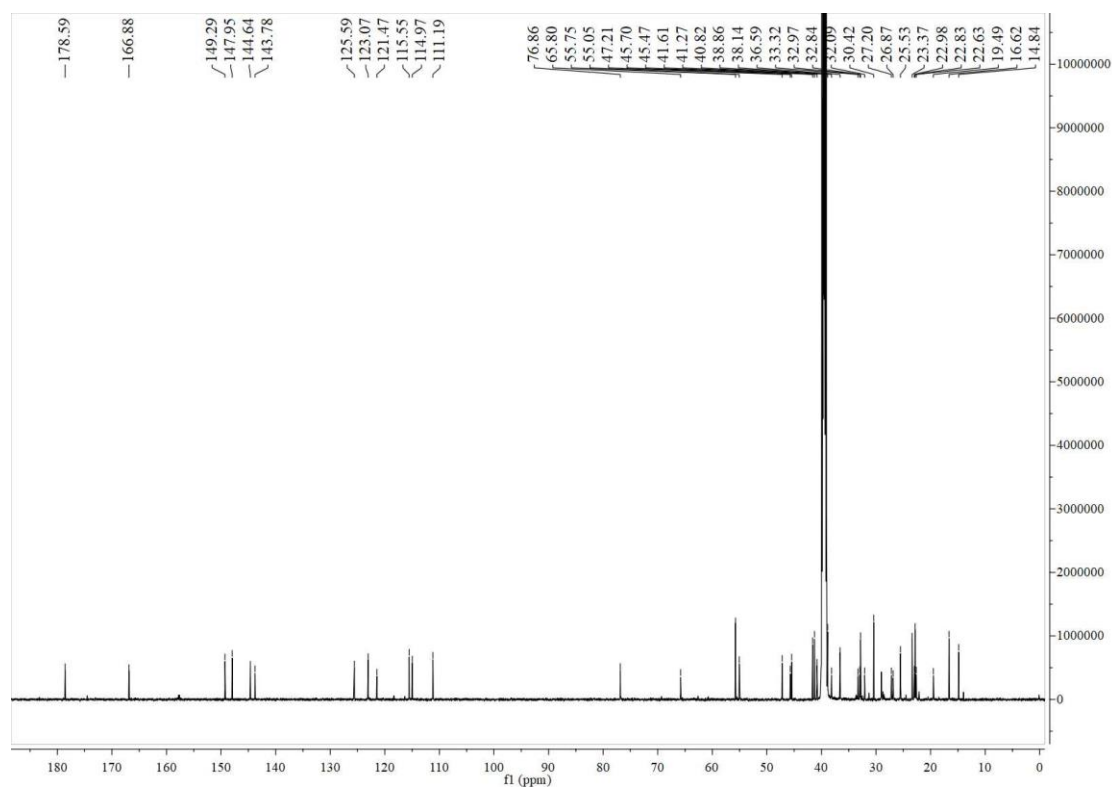


Figure S58 The ¹³C-NMR spectrum of compound 11.

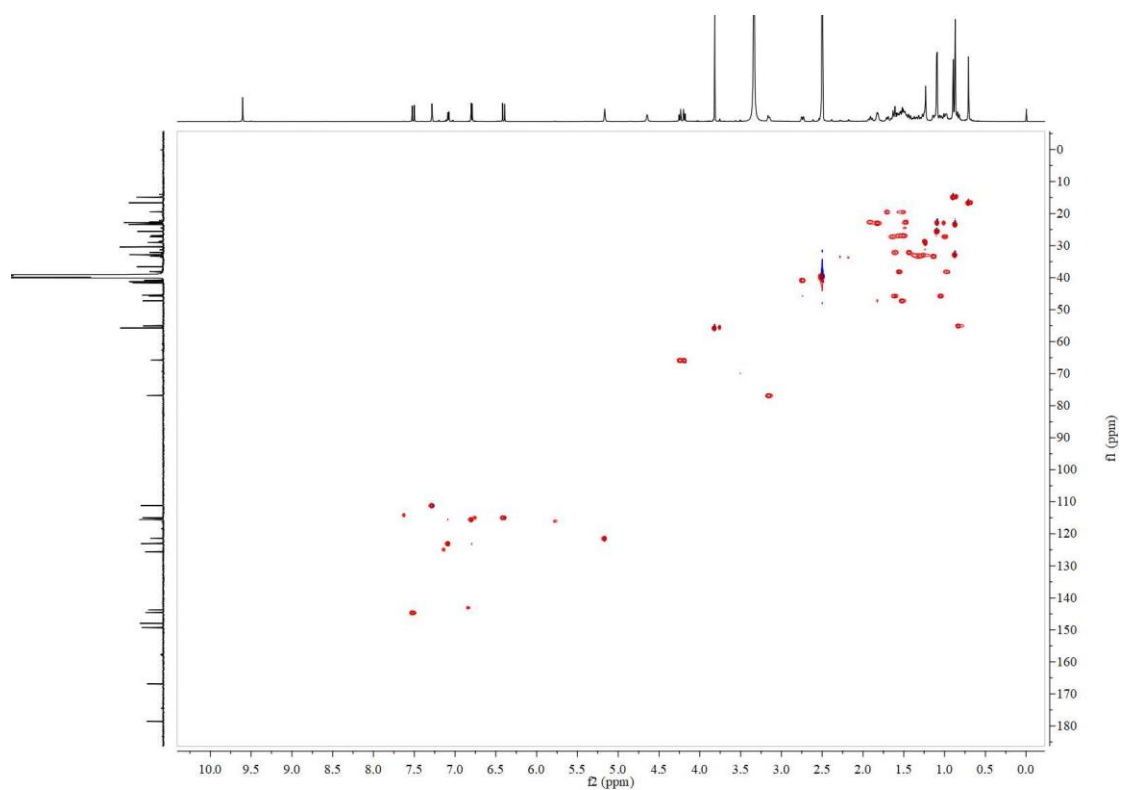


Figure S59 The HSQC spectrum of compound **11**.

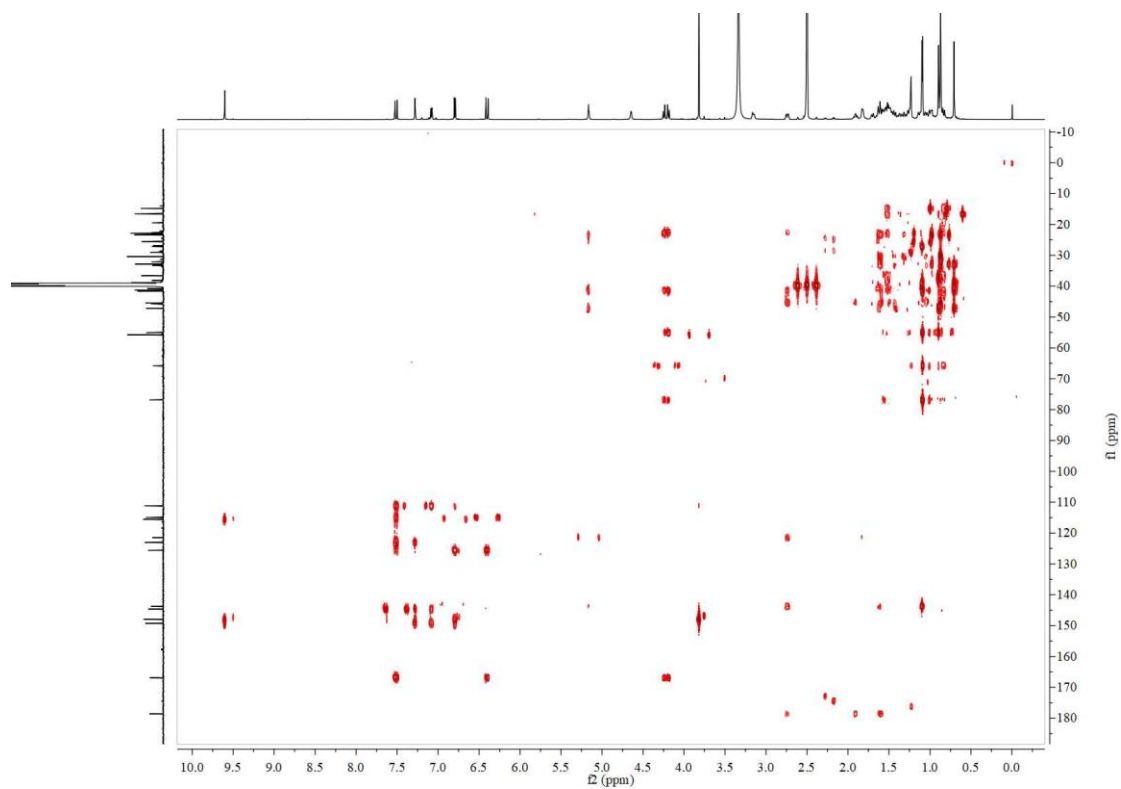


Figure S60 The HMBC spectrum of compound **11**.

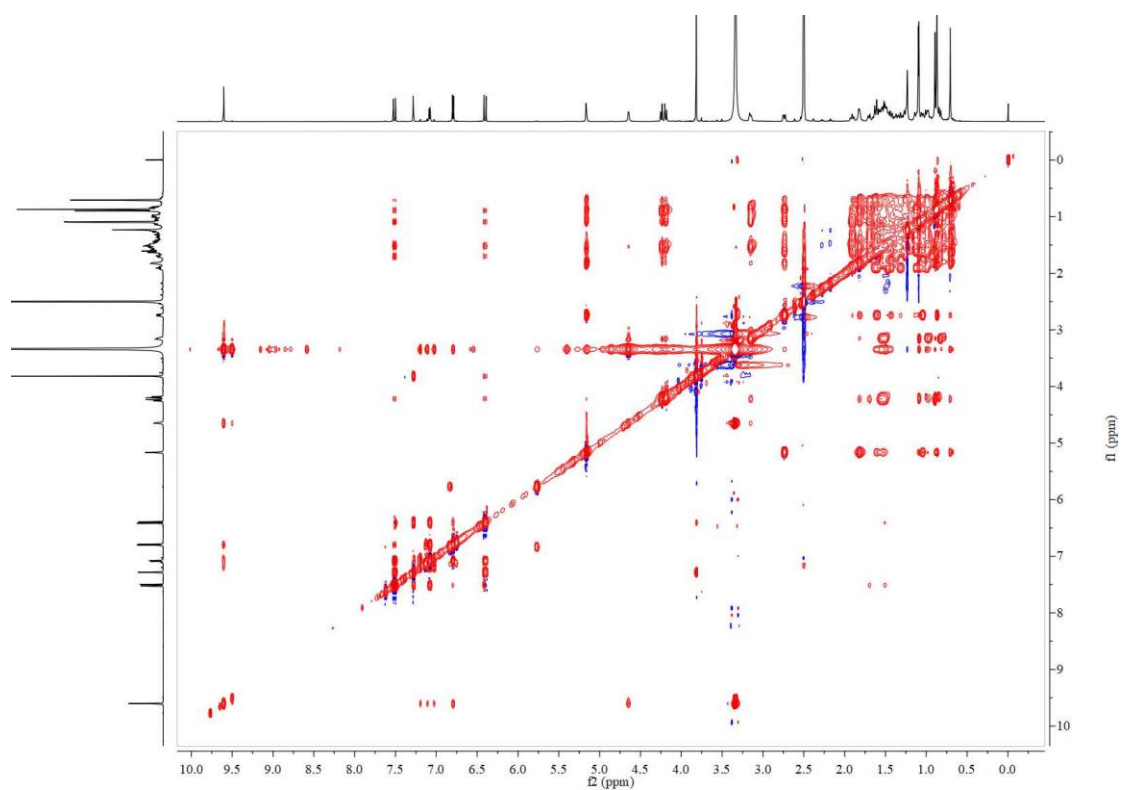


Figure S61 The NOESY spectrum of compound **11**.