Supporting information

Benzofuran derivatives with antimicrobial and anti-inflammatory activities from *Pencillium crustosum* SCNU-F0046

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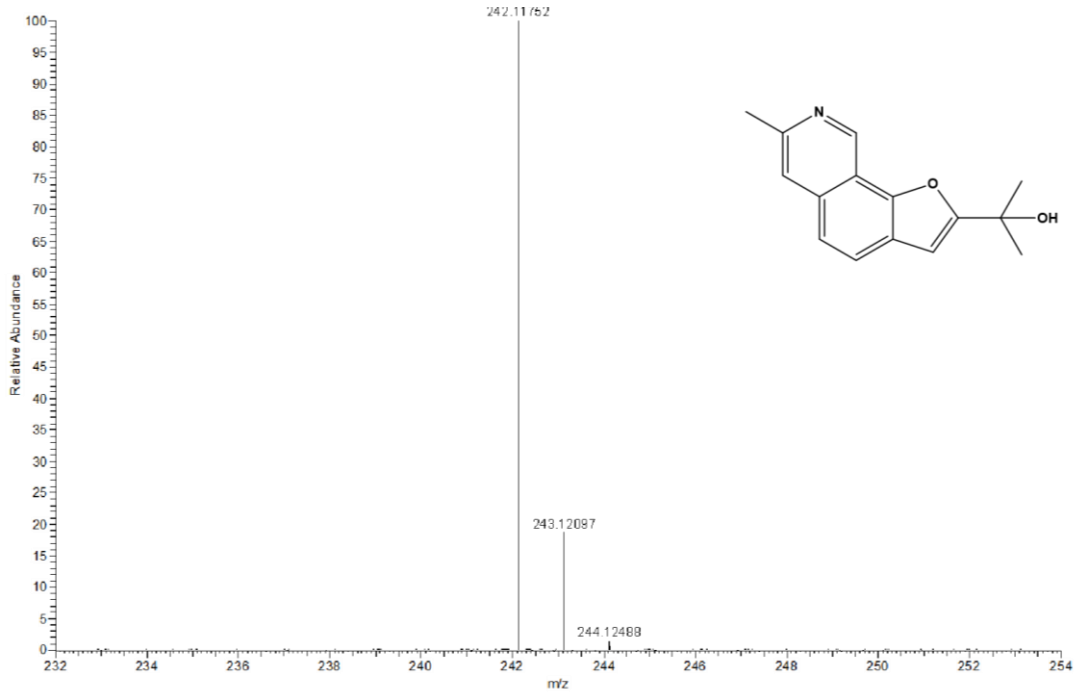
Content

Figure S1 HRESIMS of compound **1**
Figure S2 ^{1}H NMR spectrum (600 MHz, chloroform -*d*)) of compound **1**
Figure S3 ^{13}C NMR spectrum (150 MHz, chloroform -*d*)) of compound **1**
Figure S4 HSQC spectrum (600 MHz, chloroform -*d*)) of compound **1**
Figure S5 HMBC spectrum (600 MHz, chloroform -*d*)) of compound **1**
Figure S6 ^{1}H-^{1}H COSY spectrum (600 MHz, chloroform -*d*)) of compound **1**
Figure S7 HRESIMS of compound **2**
Figure S8 ^{1}H NMR spectrum (600 MHz, chloroform -*d*) of compound **2**
Figure S9 ^{13}C NMR spectrum (150 MHz, chloroform -*d*) of compound 2
Figure S10 HSQC spectrum (600 MHz, chloroform -*d*) of compound **2**
Figure S11 HMBC spectrum (600 MHz, chloroform -*d*) of compound **2**
Figure S12 ^{1}H-^{1}H COSY spectrum (600 MHz, chloroform -*d*) of compound **2**
Figure S13 HRESIMS of compound **5**
Figure S14 ^{1}H NMR spectrum (600 MHz, methanol-d_4) of compound **5**
Figure S15 ^{13}C NMR spectrum (150 MHz, methanol-d_4) of compound **5**
Figure S16 HMQC spectrum (600 MHz, methanol-d_4) of compound **5**
Figure S17 HMBC spectrum (600 MHz, methanol-d_4) of compound **5**
Figure S18 ^{1}H-^{1}H COSY spectrum (600 MHz, methanol-d_4) of compound **5**
Figure S19 HRESIMS of compound **6**
Figure S20 ^{1}H NMR spectrum (600 MHz, DMSO-d_6) of compound **6**
Figure S21 ^{13}C NMR spectrum (150 MHz, DMSO-d_6) of compound **6**
Figure S22 HMQC spectrum (600 MHz, DMSO-d_6) of compound **6**
Figure S23 HMBC spectrum (600 MHz, DMSO-d_6) of compound **6**
Figure S24 ^{1}H-^{1}H COSY spectrum (600 MHz, DMSO-d_6) of compound **6**



SPECTRUM - simulation:

m/z	Theo. Mass	Delta (ppm)	RDB equiv.	Composition
242.11752	242.11756	-0.15	8.5	C15 H16 O2 N

Figure S1 HRESIMS of compound **1**

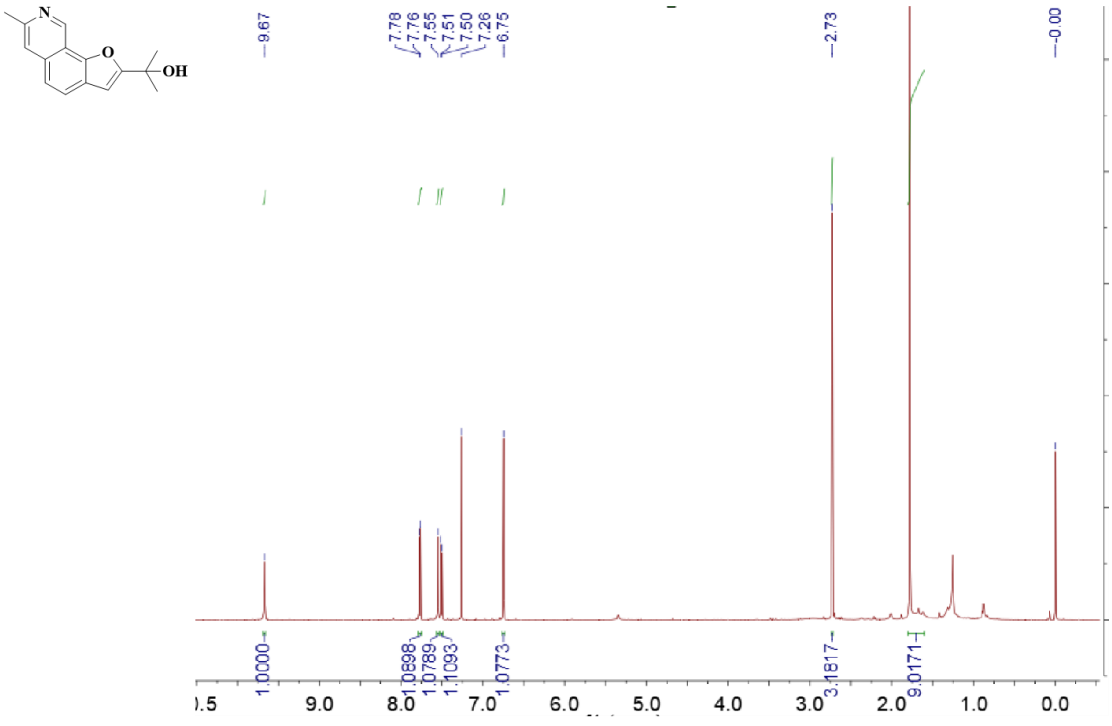


Figure S2 ^{1}H NMR spectrum (600 MHz, chloroform -*d*)) of compound **1**

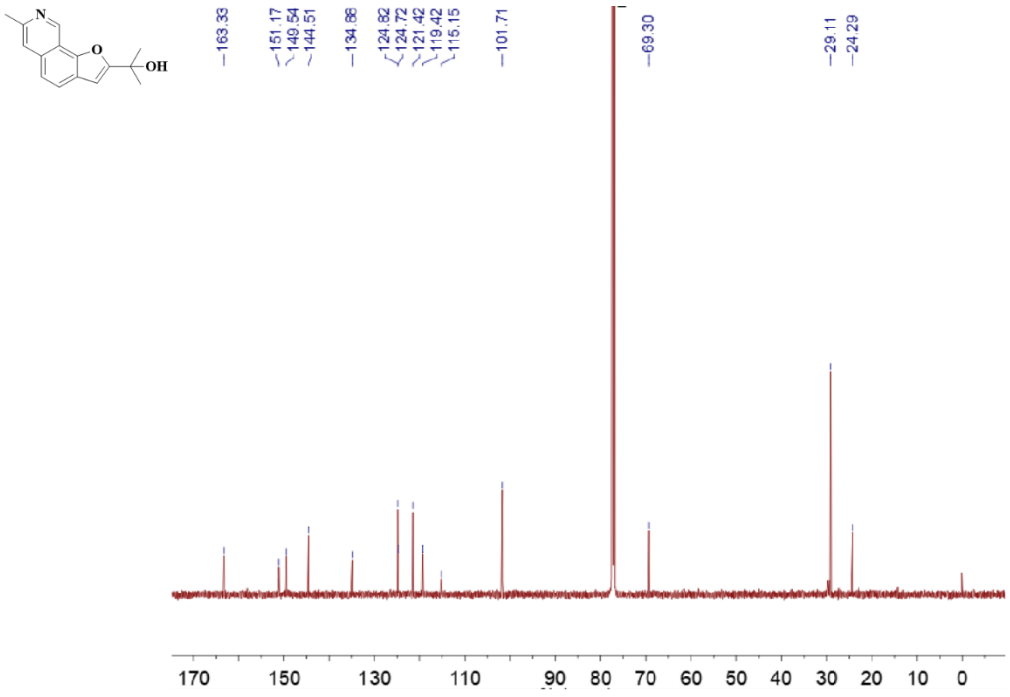


Figure S3 ^{13}C NMR spectrum (150 MHz, chloroform -*d*)) of compound **1**

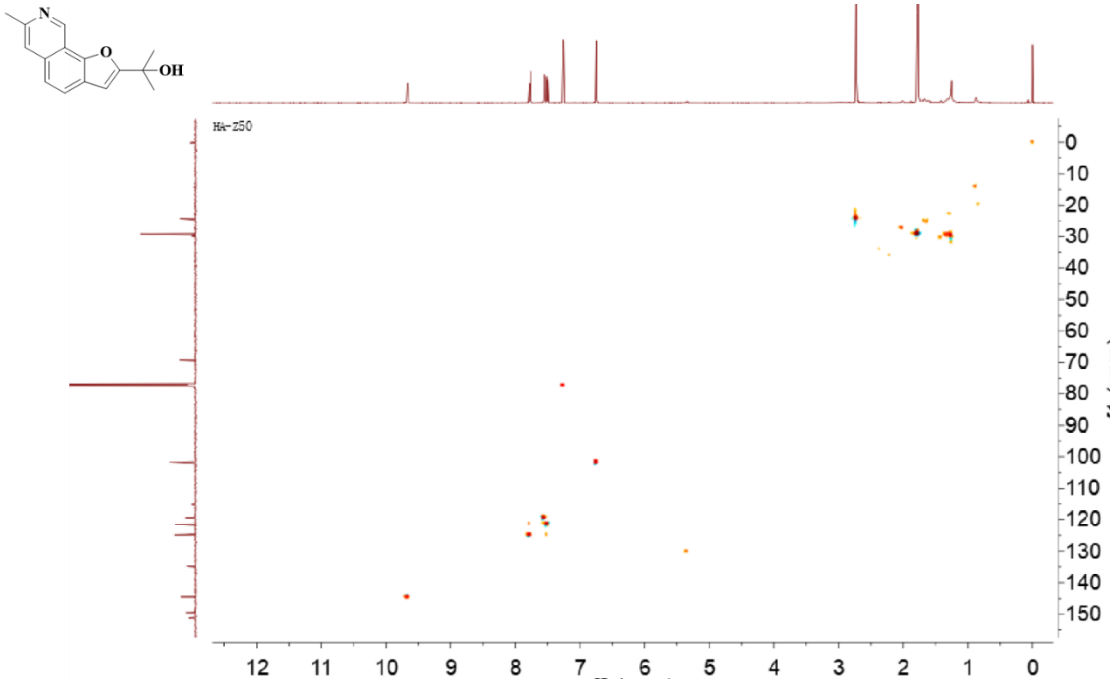


Figure S4 HMQC spectrum (600 MHz, chloroform -*d*)) of compound **1**

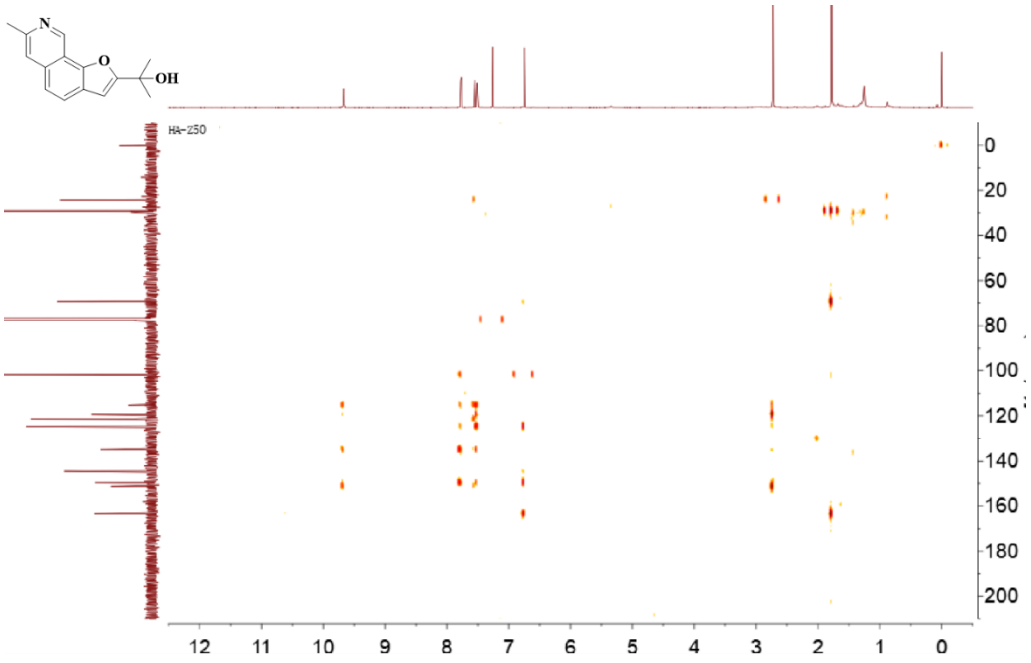


Figure S5 HMBC spectrum (600 MHz, chloroform -*d*)) of compound **1**

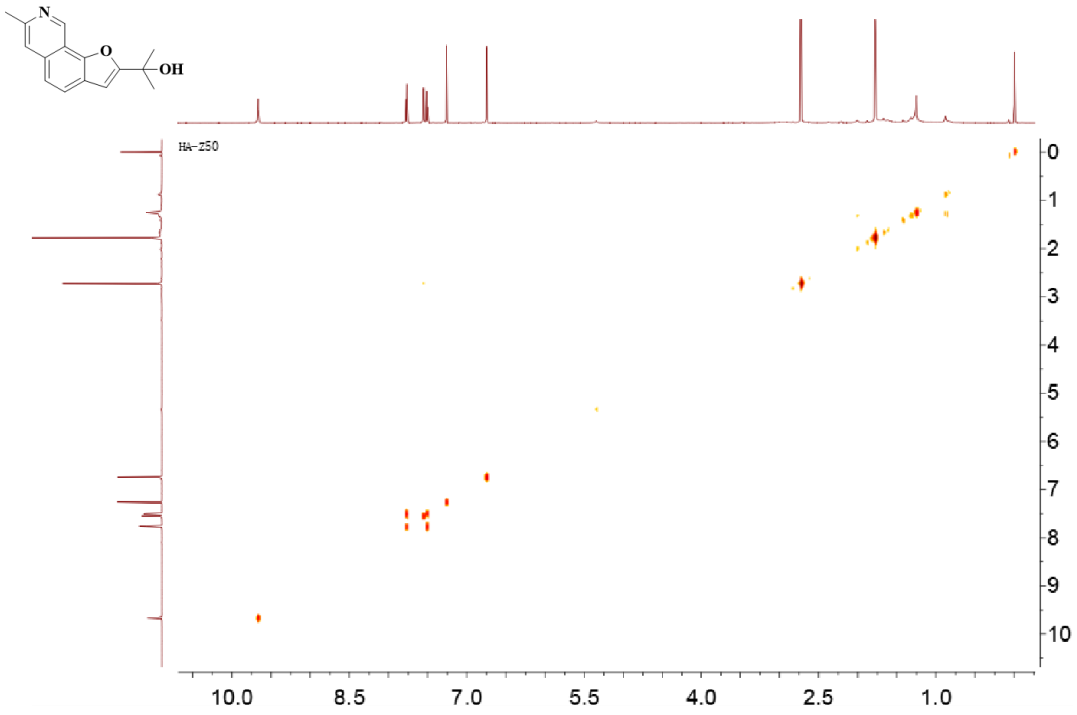
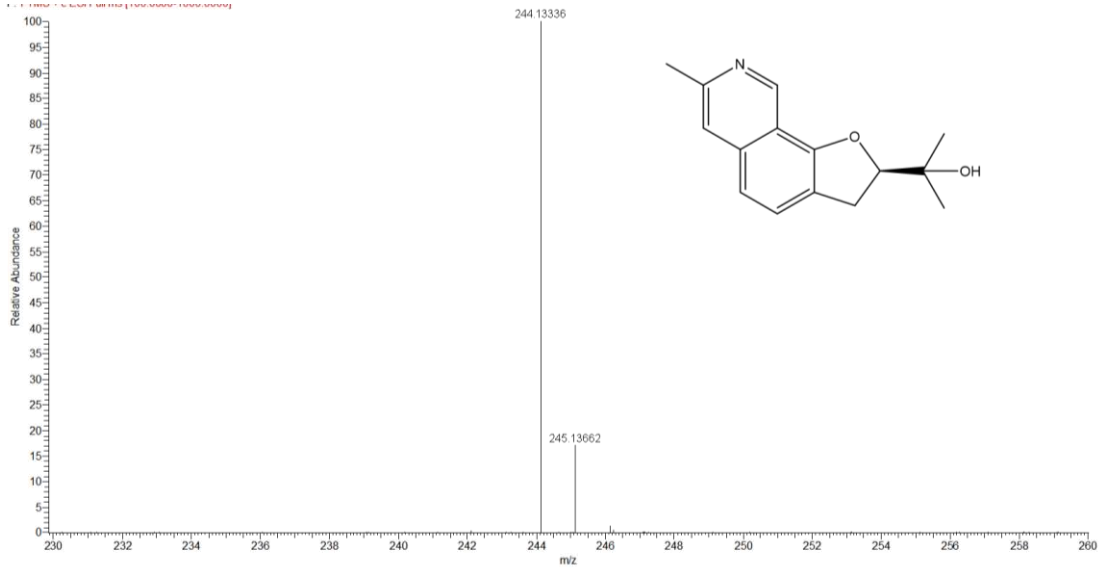


Figure S6 ^{1}H-^{1}H COSY spectrum (600 MHz, chloroform -*d*)) of compound **1**



SPECTRUM - simulation:

m/z	Theo. Mass	Delta (ppm)	RDB equiv.	Composition
244.13336	244.13321	0.63	7.5	C15 H18 O2 N

Figure S7 HRESIMS of compound **2**

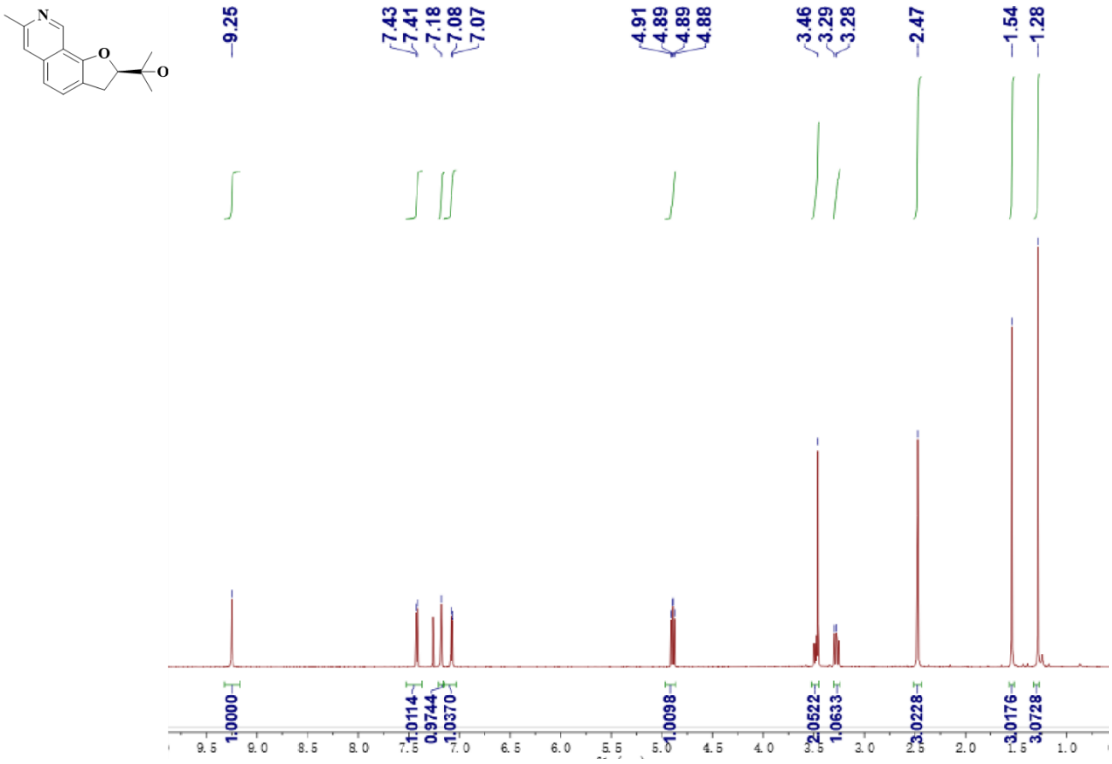


Figure S8 ^{1}H NMR spectrum (600 MHz, chloroform -*d*) of compound **2**

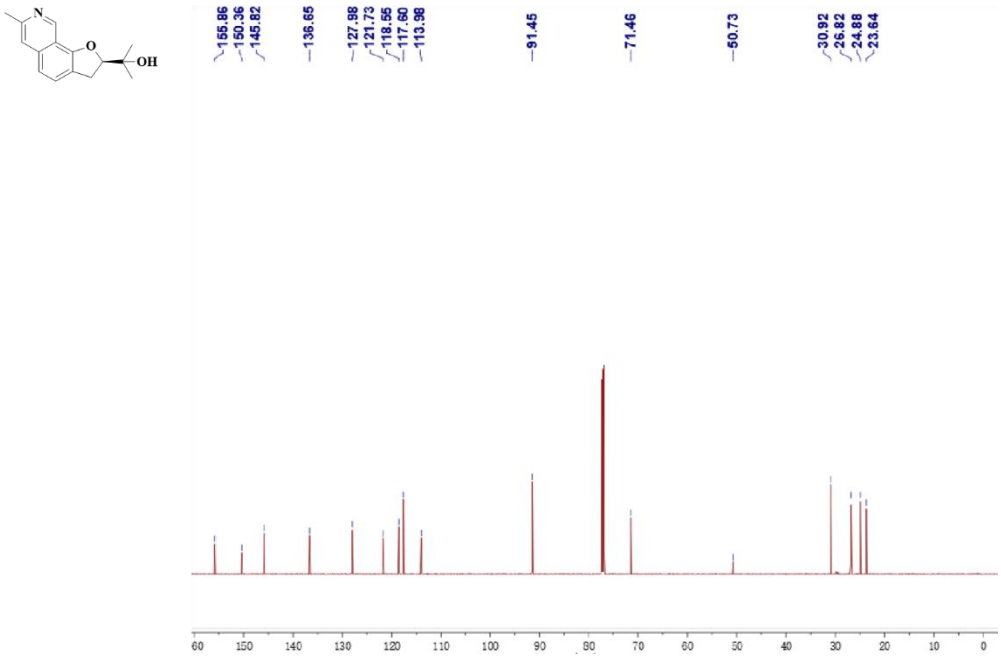


Figure S9 ^{13}C NMR spectrum (150 MHz, chloroform -*d*) of compound **2**

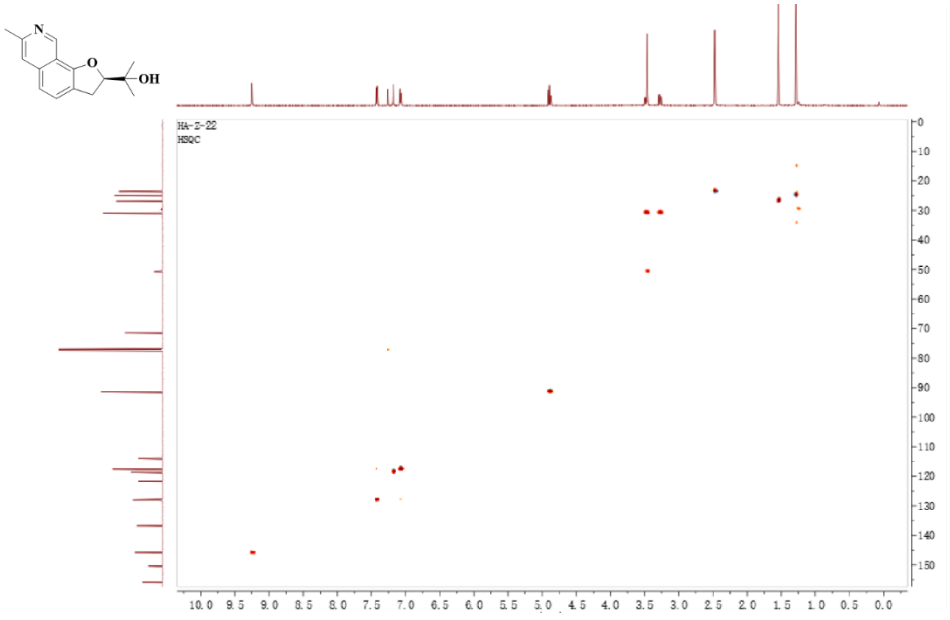


Figure S10 HMQC spectrum (600 MHz, chloroform -*d*) of compound **2**

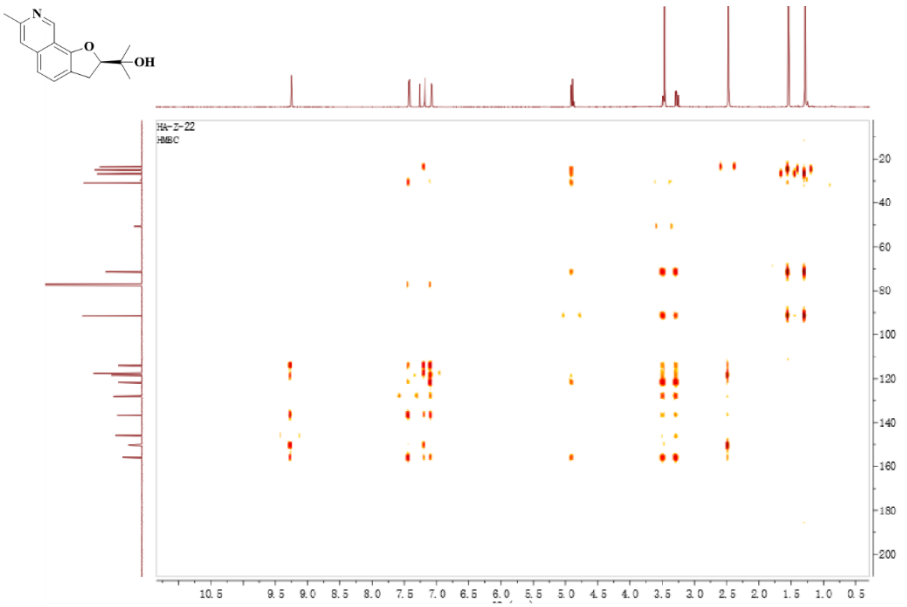


Figure S11 HMBC spectrum (600 MHz, chloroform -*d*) of compound **2**

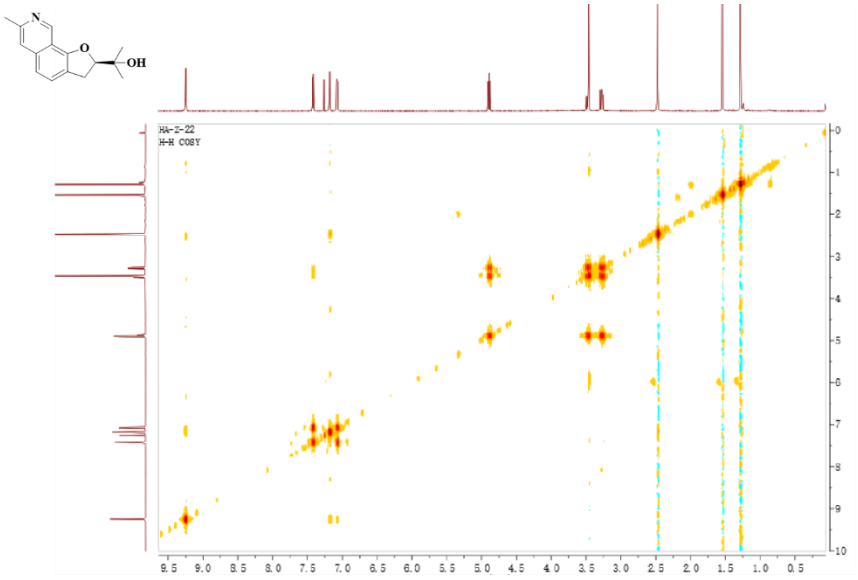
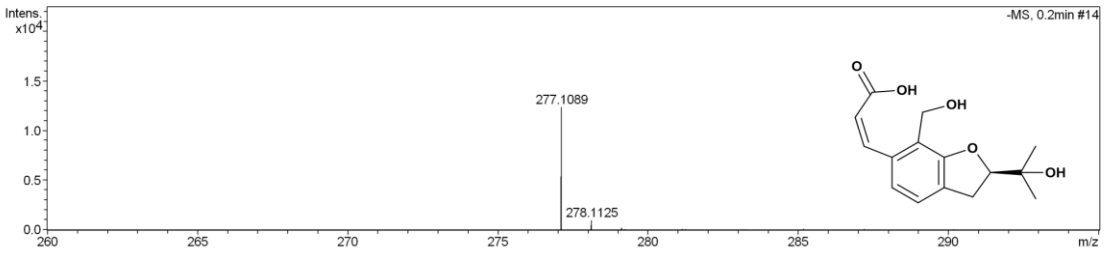


Figure S12 ^{1}H-^{1}H COSY spectrum (600 MHz, chloroform -*d*) of compound **2**



Meas. m/z	Ion Formula	m/z	z	err [ppm]	mSigma	rdb	e¯Conf	N-Rule

277.1089	$C_{15}H_{17}O_5$	277.1081	1-	-2.9	51.1	7.5	even	ok

Figure S13 HRESIMS of compound **5**

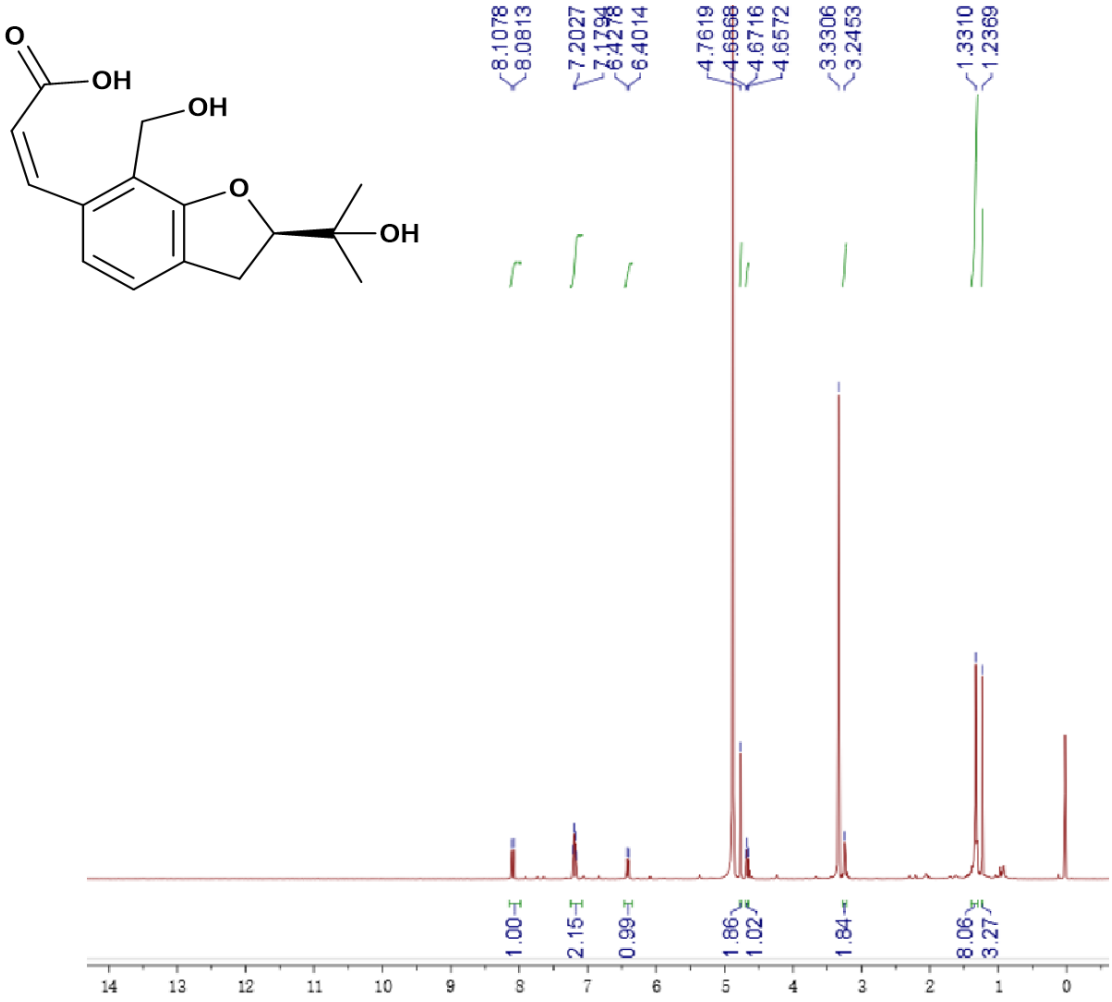


Figure S14 ^{1}H NMR spectrum (600 MHz, methanol-d_4) of compound **5**

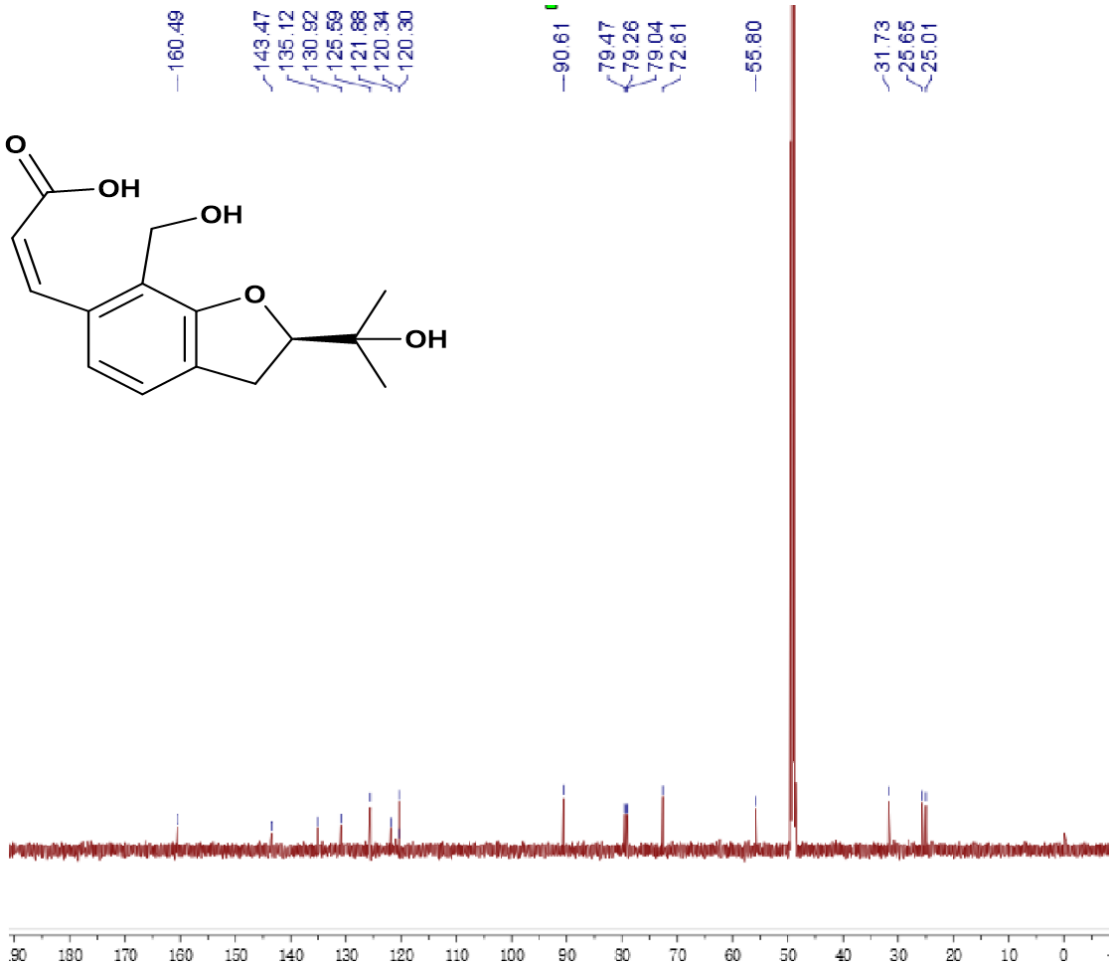


Figure S15 ^{13}C NMR spectrum (150 MHz, methanol-d_4) of compound **5**

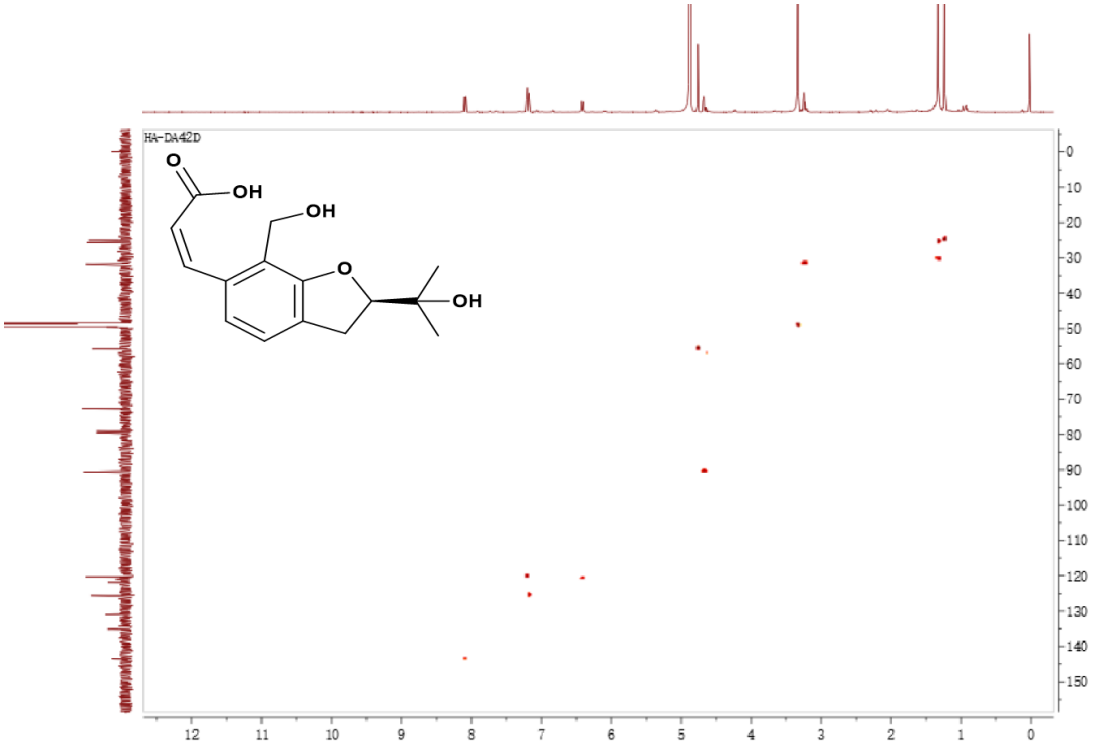


Figure S16 HMQC spectrum (600 MHz, methanol-d_4) of compound **5**

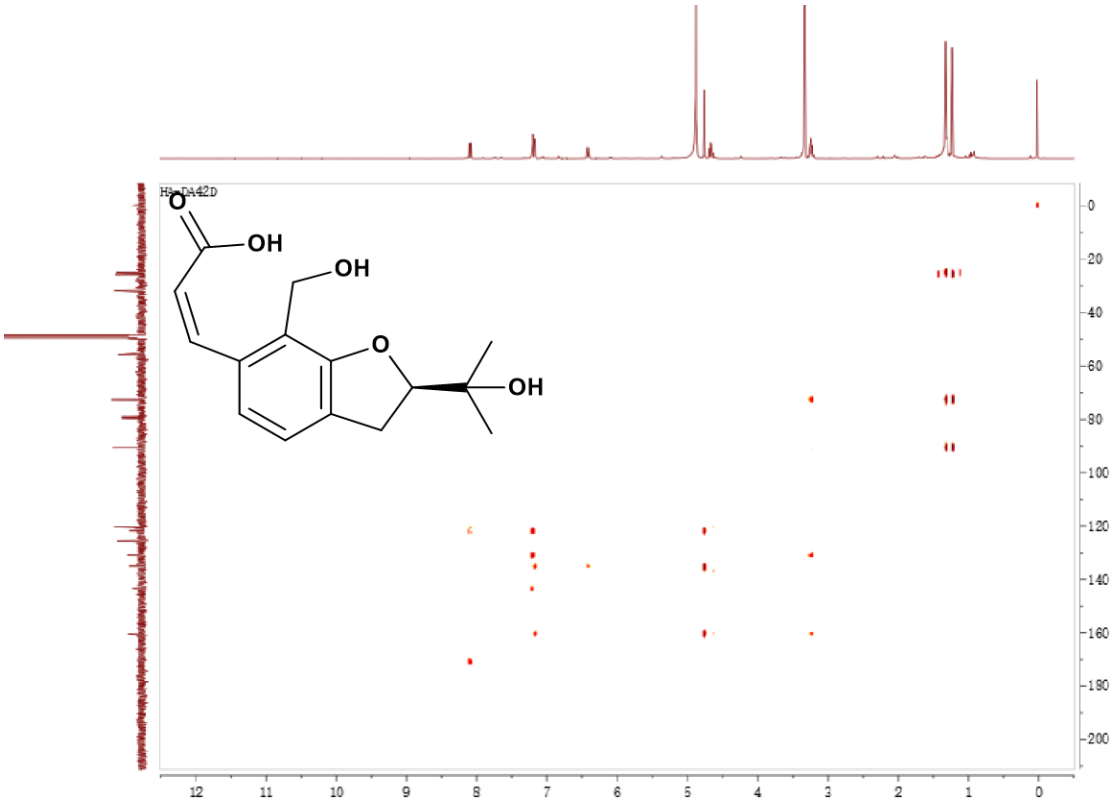


Figure S17 HMBC spectrum (600 MHz, methanol-d_4) of compound **5**

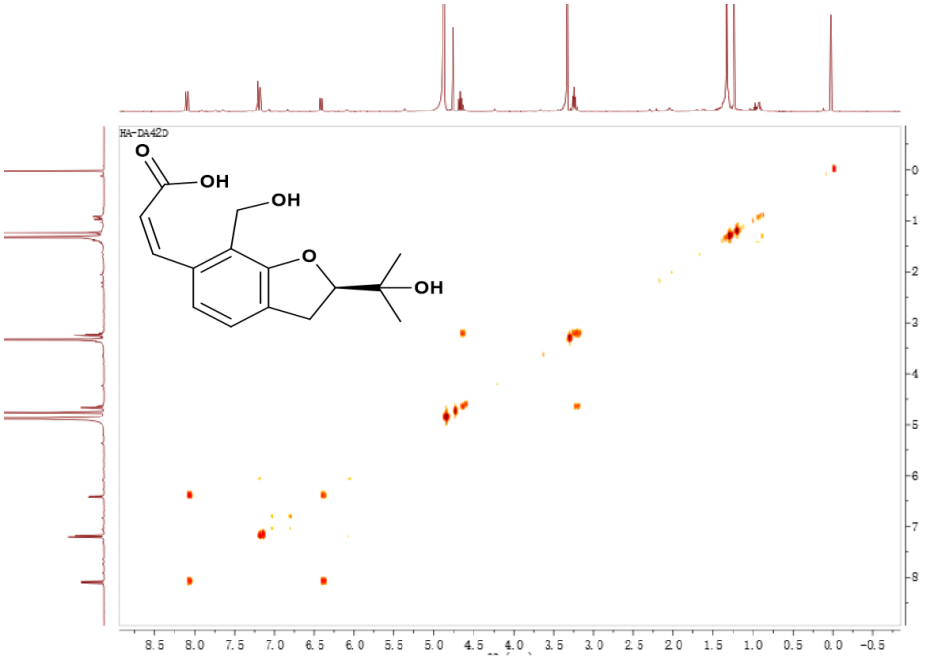
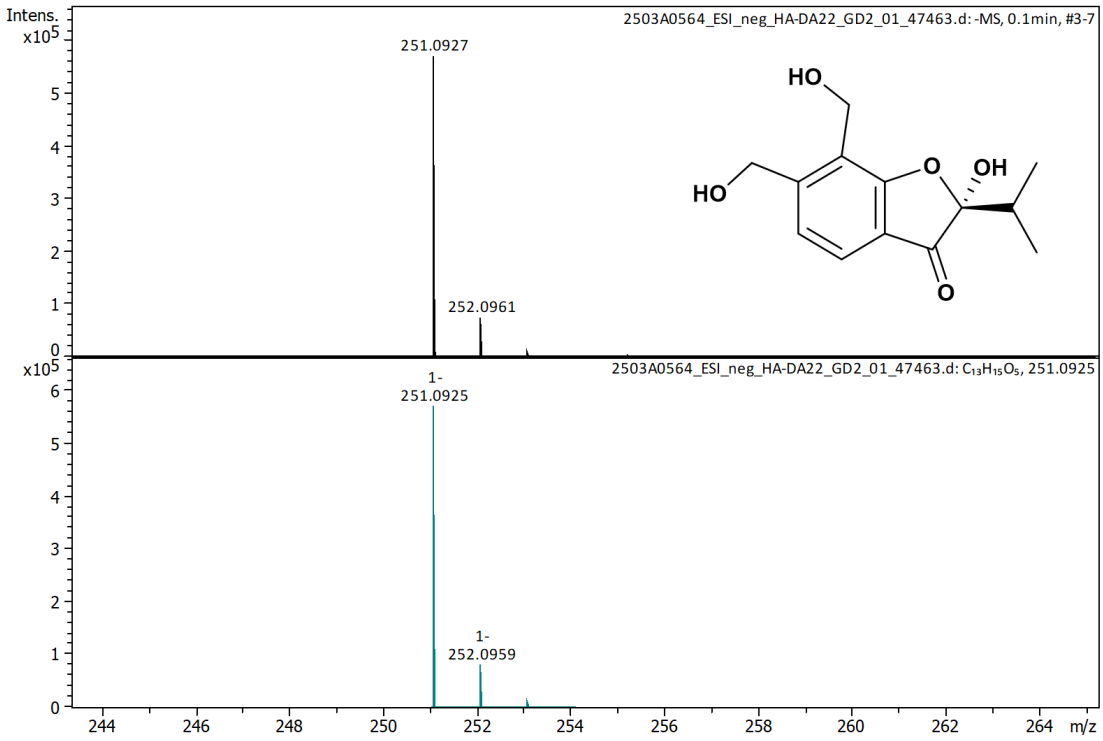


Figure S18 ^{1}H-^{1}H COSY spectrum (600 MHz, methanol-d_4) of compound **5**



Meas. m/z	Ion Formula	m/z	z	err [ppm]	mSigma	rdb	e⁻ Conf	N-Rule
251.0927	$C_{13}H_{15}O_5$	251.0925	1-	-0.6	5.2	6	even	ok

Figure S19 HRESIMS of compound **6**

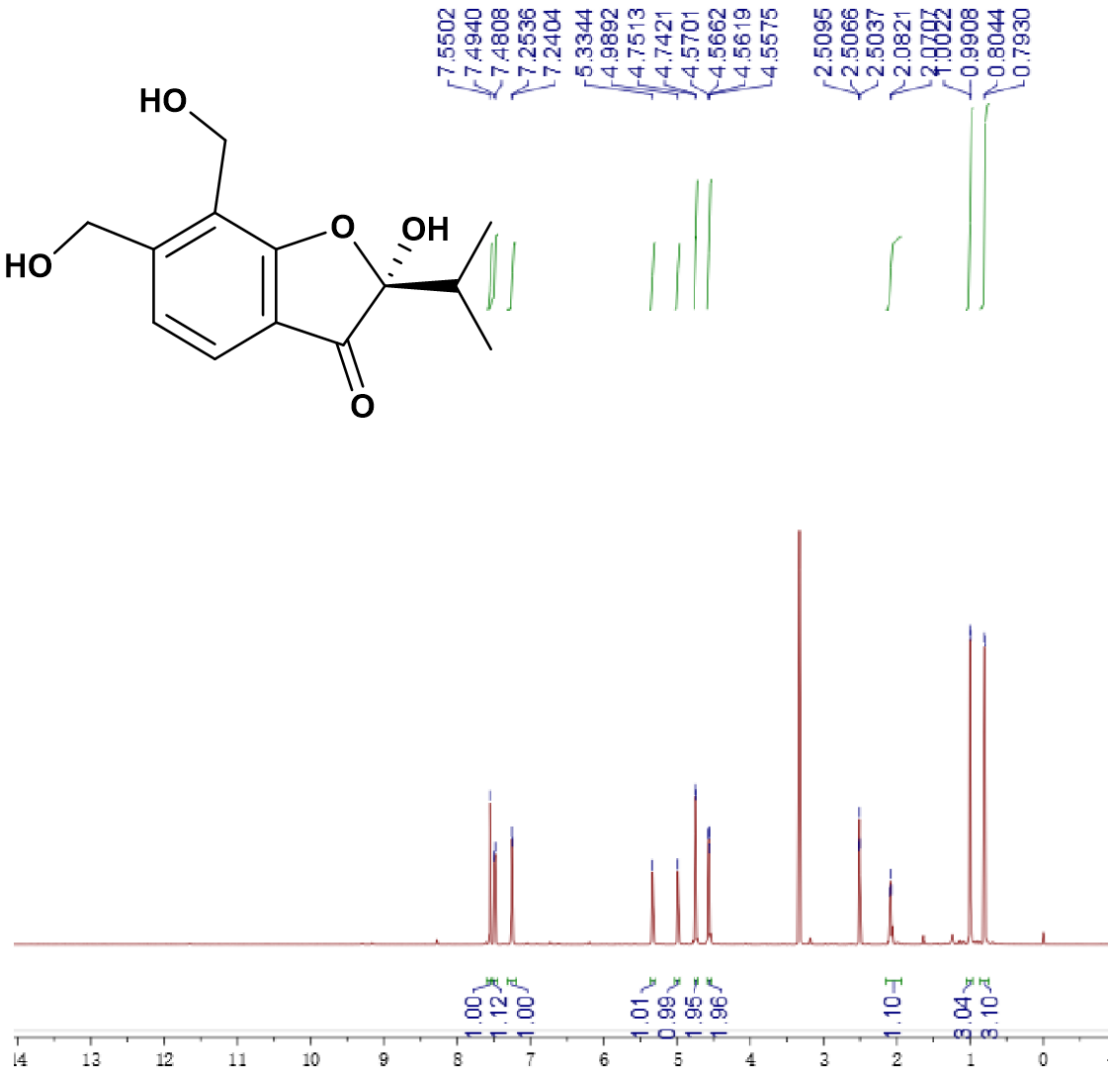


Figure S20 ^{1}H NMR spectrum (600 MHz, DMSO-d_6) of compound **6**

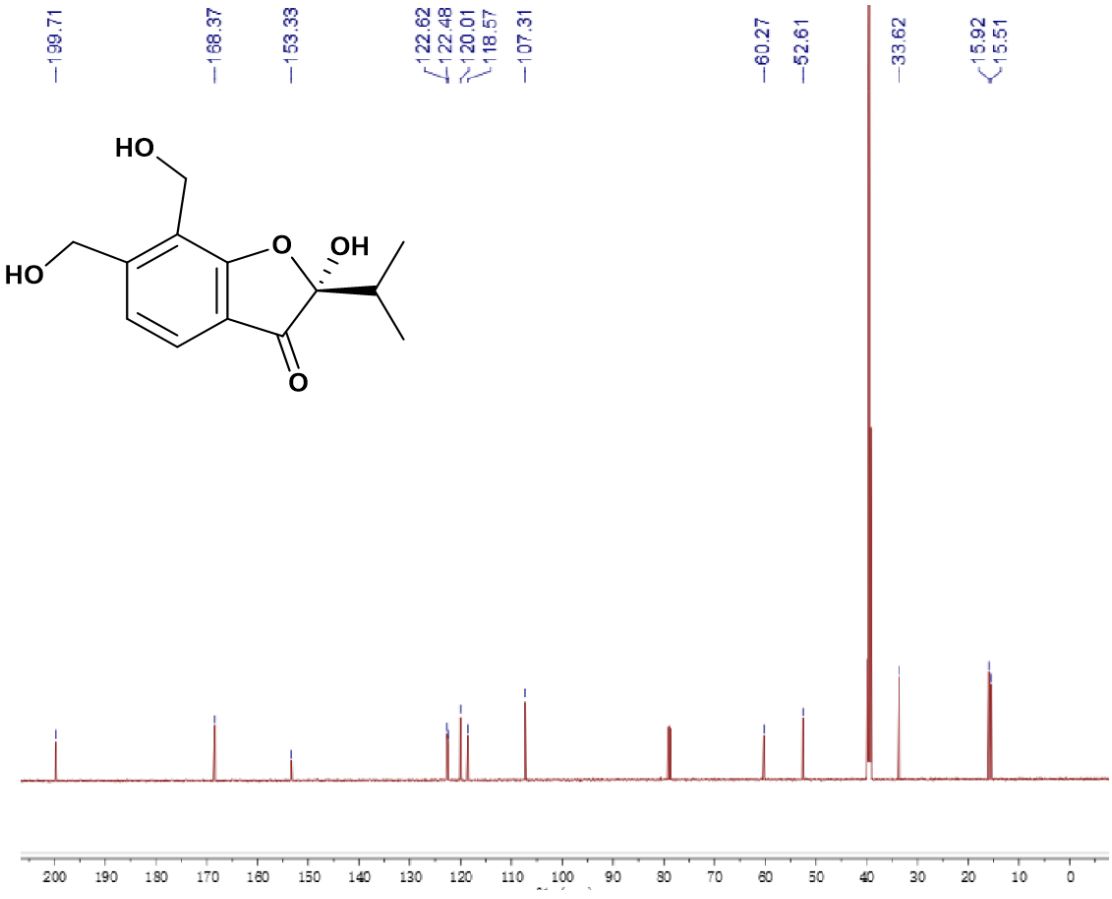


Figure S21 ^{13}C NMR spectrum (150 MHz, DMSO-d_6) of compound **6**

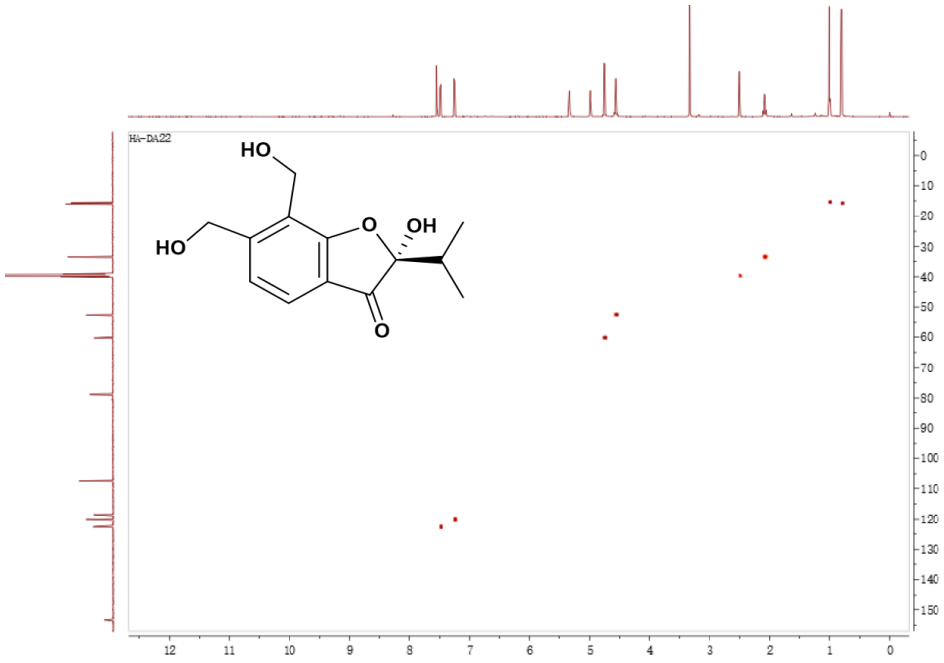


Figure S22 HMQC spectrum (600 MHz, DMSO-d_6) of compound **6**

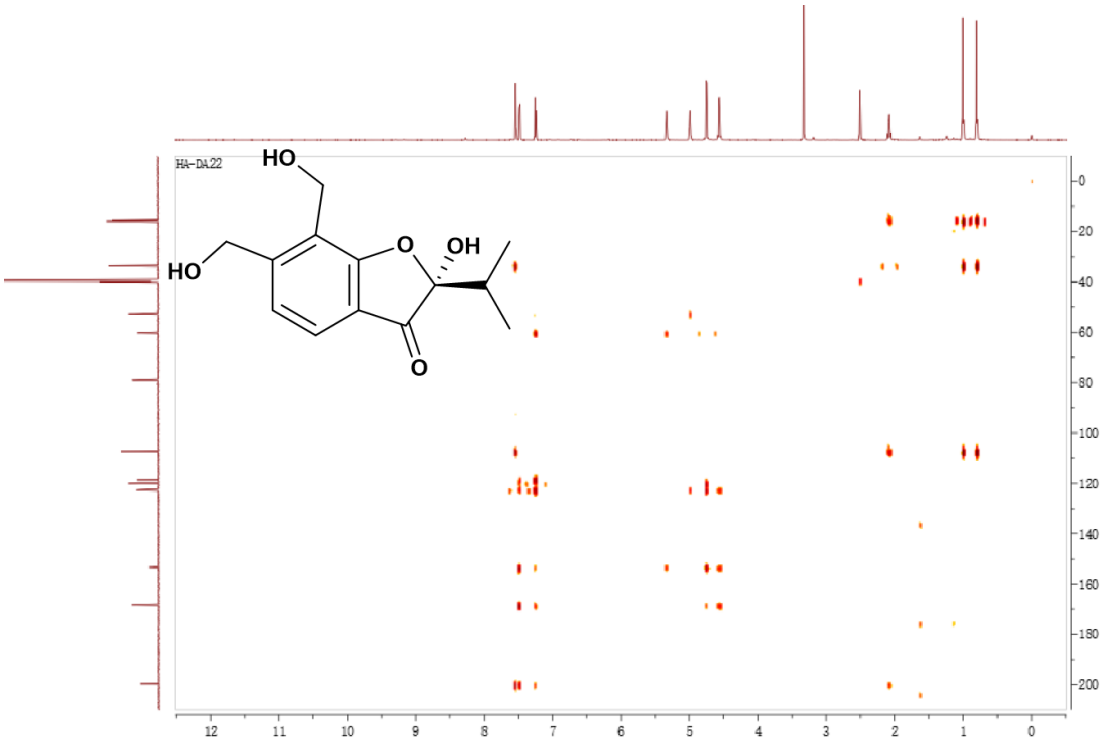


Figure S23 HMBC spectrum (600 MHz, DMSO-d_6) of compound **6**

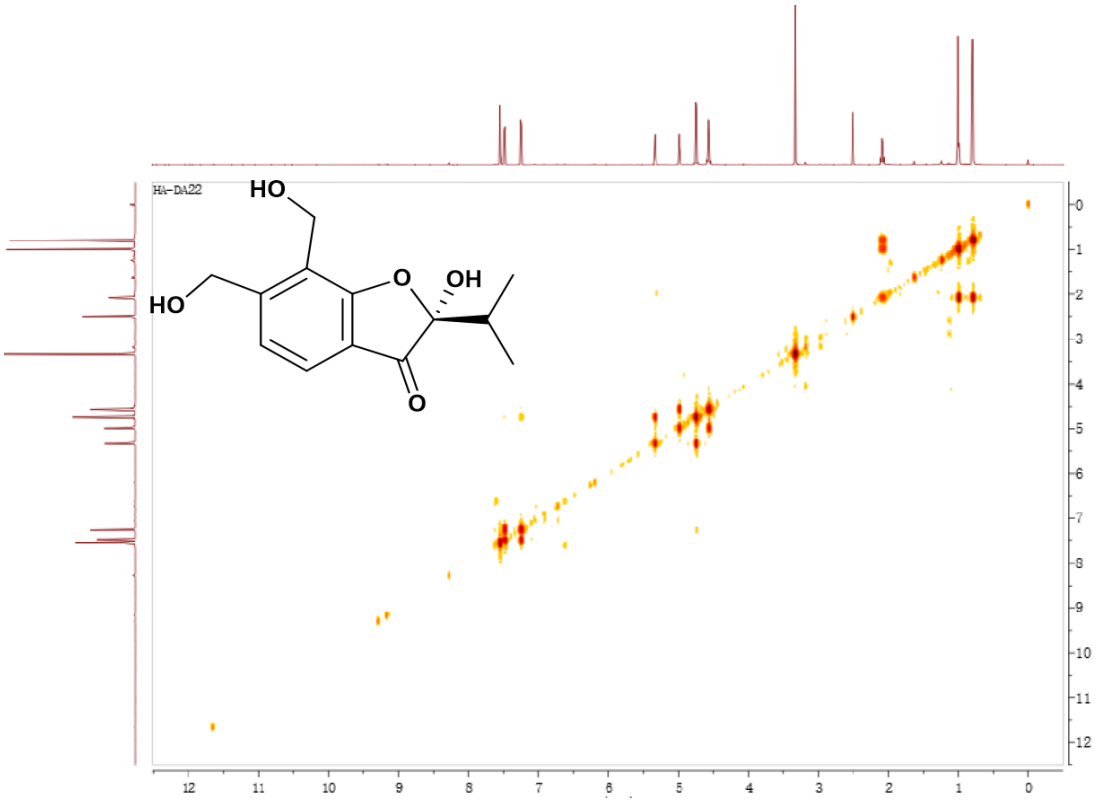


Figure S24 ^{1}H-^{1}H COSY spectrum (600 MHz, DMSO-d_6) of compound **6**