Supporting Information

***Rec. Nat. Prod*. 16:6 (2022) 579-584**

A New Alkaloid from *Ormosia hosiei* Hemsl. Et Wils

Lijun Zheng[1,#], Linjing Zhang[2,#], Jianyong Huang[1], Xiaoqin Zhang[3], Mingqing Huang[3], Huiyou Xu[2]and Lin Ni[2,*]

[1]Dept. of Pharmacy, Fujian Medical University Union Hospital, Fuzhou 350122, People's Republic of China
[2]College of Plant Protection, Fujian Agriculture and Forestry University, Fuzhou350002, People's Republic of China
[3]College of Pharmacy, Fujian Key Laboratory of Chinese Materia Medica, Fujian University of Traditional Chinese Medicine, Fuzhou 350122, People's Republic of China

Table of Contents	Page
Table S1: ^{1}H NMR data of compounds **2-10**	**2**
Table S2: ^{13}C NMR data of compounds **2-10**	**3**
Table S3: Anti-inflammatory activity of the isolated compounds **1-10** against IL-6	**3**
Figure S1: The ^{1}H NMR spectrum of compound **1**	**4**
Figure S2: The ^{13}C NMR spectrum of compound **1**	**4**
Figure S3: The DEPT spectrum of compound **1**	**5**
Figure S4: The HSQC spectrum of compound **1**	**5**
Figure S5: The ^{1}H-^{1}H COSY spectrum of compound **1**	**6**
Figure S6: The HMBC spectrum of compound **1**	**6**
Figure S7: The NOESY spectrum of compound **1**	**7**
Figure S8: The UV spectrum of compound **1**	**7**
Figure S9: The IR spectrum of compound **1**	**8**
Figure S10: The HRESIMS spectrum of compound **1**	**8**
Figure S11: The CD spectrum of compound **1**	**9**
Figure S12: The search results of compound **1** in scifinder	**9**

Table S1: ^{1}H NMR data of compounds**2-10**

NO.	2	3	4	5	6	7	8	9	10
2	8.06,s	8.37,s	8.45,s	8.49,s	8.40,s	8.38,s			
5			8.05,d,8.8	7.80,d,9.2					
6	6.37,d,2.0	6.23,d,2.0	7.15,dd,2.4,8.8	7.36,d,9.2	6.44,d,2.0	6.46,d,2.4	6.17,d,2.0	6.20,d,2.0	6.17,d,2.0
8	6.39,d,2.0	6.39,d,2.0	7.25,d,2.4		6.73,d,2.0	6.73,d,2.4	6.37,d,2.0	6.41,d,2.0	6.40,d,2.0
2′	7.29,d,8.8	7.49,d,8.8	7.53,d,8.8	7.53,d,8.8	7.40,d,8.4	7.39,d,8.8	7.54,dd,2.0,8.0	7.98,d,8.8	7.85,d,2.0
3′	6.77,d,8.8	7.00,d,8.8	7.00,d,8.8	7.00,d,8.8	6.83,d,8.4	6.83,d,8.8		6.87,d,8.8	
5′	6.77,d,8.8	7.00,d,8.8	7.00,d,8.8	7.00,d,8.8	6.83,d,8.4	6.83,d,8.8	6.83,d,8.0	6.87,d,8.8	6.90,d,8.4
6′	7.29,d,8.8	7.49,d,8.8	7.53,d,8.8	7.53,d,8.8	7.40,d,8.4	7.39,d,8.8	7.52,d,2.0	7.98,d,8.8	7.50,dd,2.0,8.4
Glc-1″			5.11,d,7.2	5.10,d,7.2	5.02,d,6.8	5.04,d,7.2	5.33,d,7.2	5.30,d,7.6	5.43,d,6.8
Rha-1‴					4.52,d,1.6		4.37,d,0.8	4.37,d,1.6	4.41,d,1.6
Rha-6‴					1.10,d,6.4		0.98,d,6.4	0.97,d,6.0	0.97,d,6.4
Api-1‴						4.81,d,3.2			
5-OH		12.93,s						12.56,s	12.56,s
5-OCH3	3.79,s								
7-OH	10.70,s	10.90,s							
8-OCH3				3.94,s					
3'-OCH3									3.83,s
4'-OH	9.48,s						9.67,s	10.19,s	
4'-OCH3		3.78,s	3.79,s	3.79,s					

In DMSO-*d*(400 MHz);δ_H(*mult*.,*J* in Hz).

Table S2: ^{13}C NMR data of compounds**2-10**

NO.	2	3	4	5	6	7	8	9	10
2	150.4	154.3	153.7	153.7	154.9	154.7	156.5	156.5	156.4
3	124.7	122.0	123.4	123.1	121.1	121.1	133.3	133.2	133.0
4	173.8	180.1	174.7	174.8	180.6	180.6	177.4	177.4	177.3
5	161.2	162.0	127.0	120.3	161.5	161.7	161.2	161.2	161.2
6	96.5	99.0	115.7	114.0	99.7	99.7	98.8	98.8	99.0
7	162.4	164.3	161.5	154.1	162.9	163.0	164.3	164.3	164.9
8	94.8	93.7	103.4	136.8	94.7	94.6	93.7	93.8	93.9
9	157.0	157.6	157.1	150.0	157.3	157.3	156.6	158.9	156.6
10	107.9	104.5	118.5	119.3	106.2	106.2	103.9	104.0	103.8
1′	122.8	122.9	124.0	124.0	122.5	122.6	121.6	120.9	122.3
2′	130.2	130.2	130.1	130.1	130.2	130.3	115.3	130.9	113.3
3′	114.8	113.7	113.7	113.7	115.2	115.2	144.8	115.1	149.4
4′	159.1	159.2	159.0	159.1	157.5	157.6	148.5	156.9	146.9
5′	114.8	113.7	113.7	113.7	115.2	115.2	116.3	115.1	115.3
6′	130.2	130.2	130.1	130.1	130.2	130.3	121.2	130.9	121.1
Glc-1″			100.0	100.5	100.7	99.8	101.2	101.4	101.3
Glc-2″			73.1	73.3	73.1	73.1	74.1	74.2	74.3
Glc-3″			76.5	76.7	76.6	76.4	76.5	76.4	76.4
Glc-4″			69.6	69.6	70.0	69.9	70.0	70.0	70.1
Glc-5″			77.2	77.3	75.7	75.6	75.9	75.8	76.0
Glc-6″			60.6	60.6	66.5	67.8	67.0	66.9	66.9
Rha-1‴					100.0		100.8	100.8	101.0
Rha-2‴					70.3		70.4	70.4	70.3
Rha-3‴					70.7		70.6	70.6	70.6
Rha-4‴					72.2		71.9	71.8	71.8
Rha-5‴					68.4		68.3	68.3	68.4
Rha-6‴					18.0		17.8	17.8	17.8
Api-1‴						109.5			
Api-2‴						76.0			
Api-3‴						78.8			
Api-4‴						73.4			
Api-5‴						63.3			
5-OCH_3	55.9								
8-OCH_3				61.3					
3'-OCH_3									55.7
4'-OCH_3		55.2	55.2	55.2					

In DMSO-*d*(100 MHz).

Table S3: Anti-inflammatory activity of the isolated compounds **1-10**againstIL-6

Compounds	IC_{50}(μM)
1	19.4±1.8
2	58.9±5.7
3	35.0±3.9
7	41.6±3.6
hydrocortisone[a]	44.6±5.1

[a]positive control

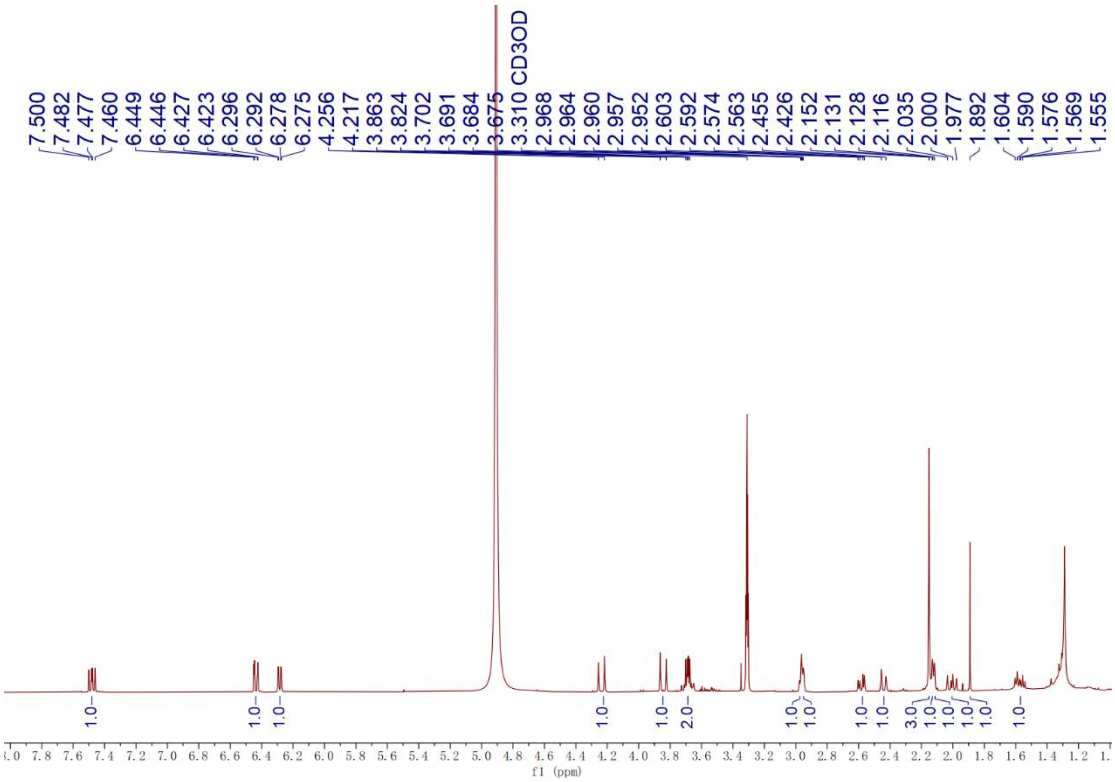

Figure S1: The ^{1}H NMR spectrum of compound **1**

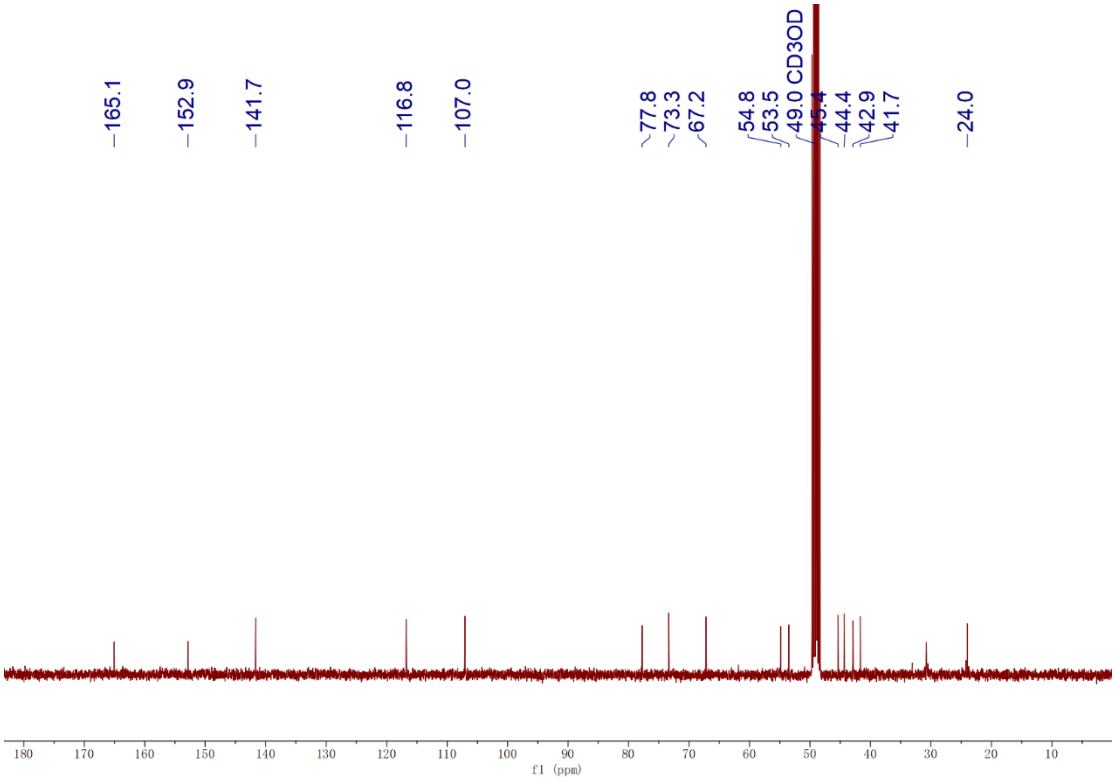

Figure S2: The ^{13}C NMR spectrum of compound **1**

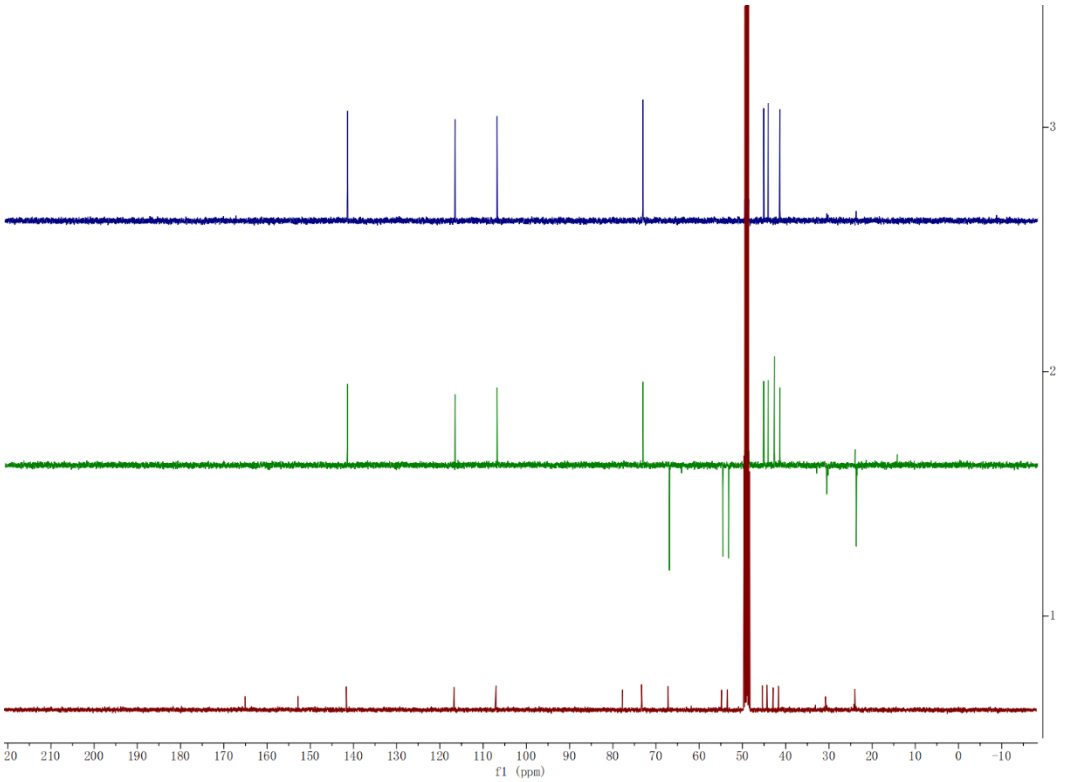

Figure S3: The DEPT spectrum of compound **1**

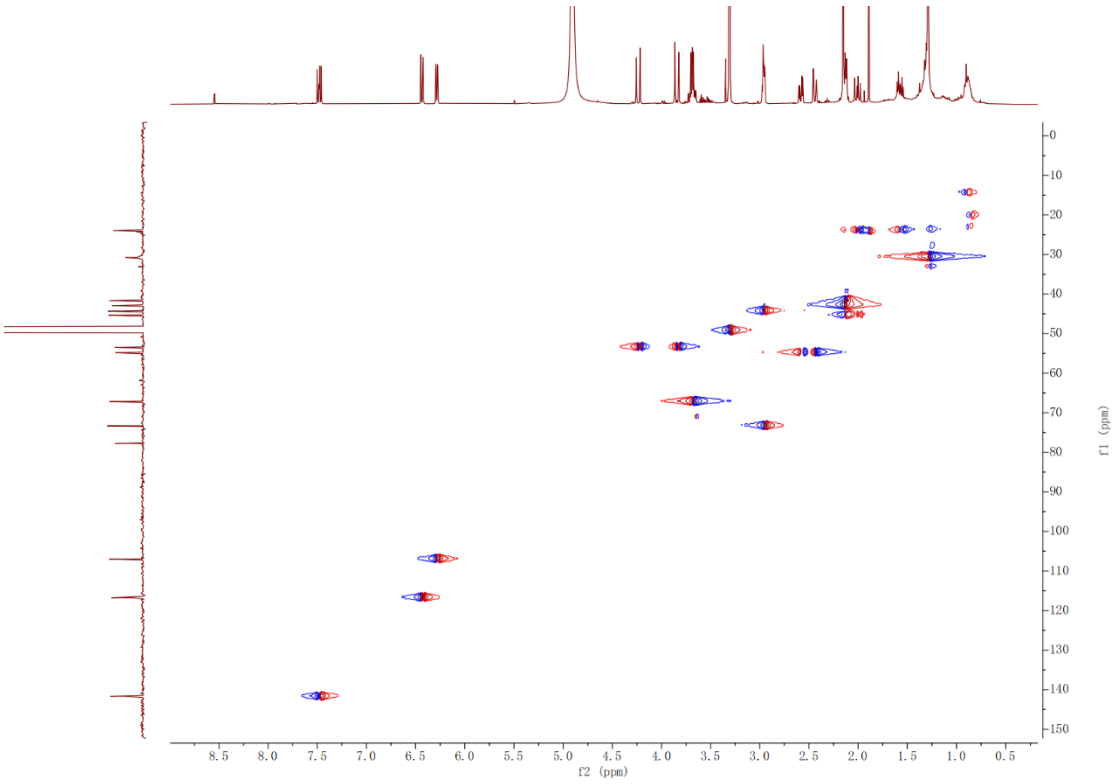

Figure S4: The HSQC spectrum of compound **1**

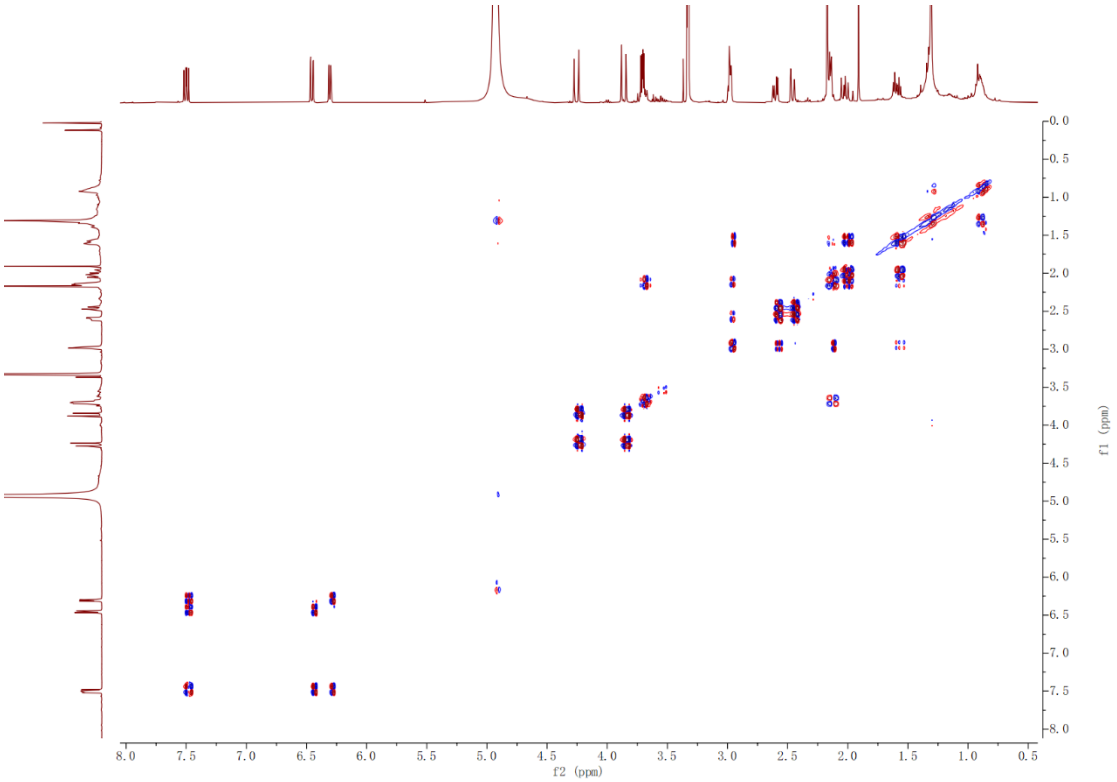

Figure S5: The ^{1}H-^{1}H COSY spectrum of compound **1**

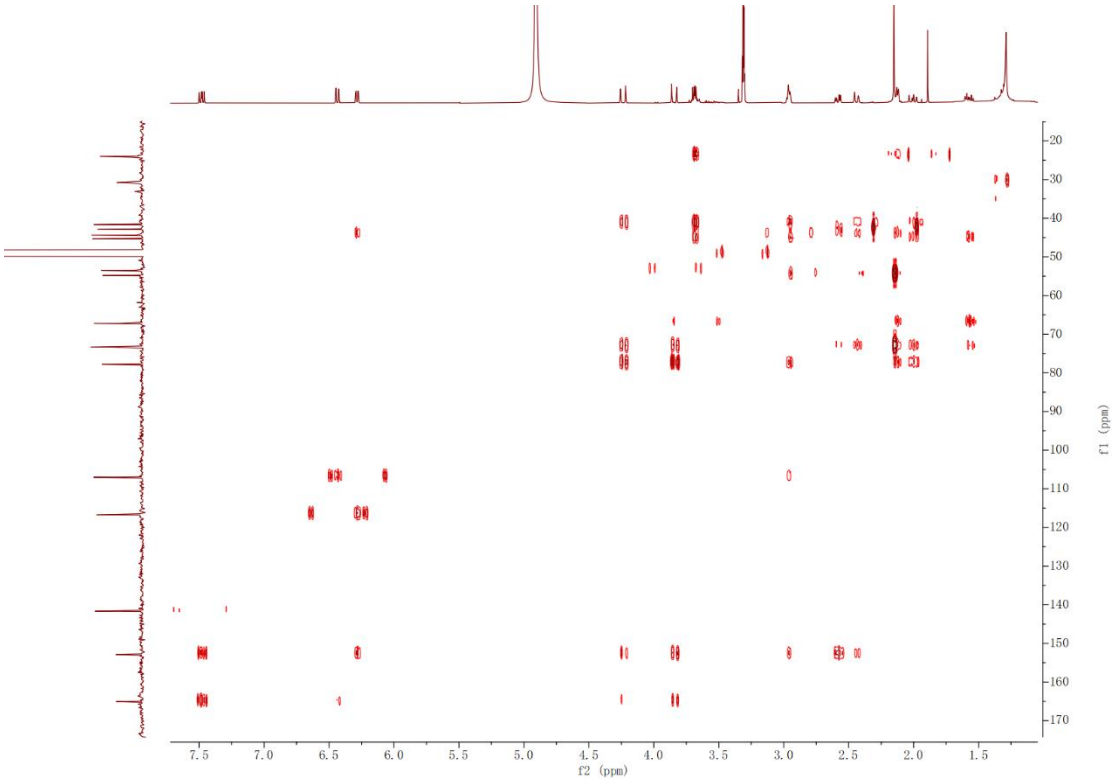

Figure S6: The HMBC spectrum of compound **1**

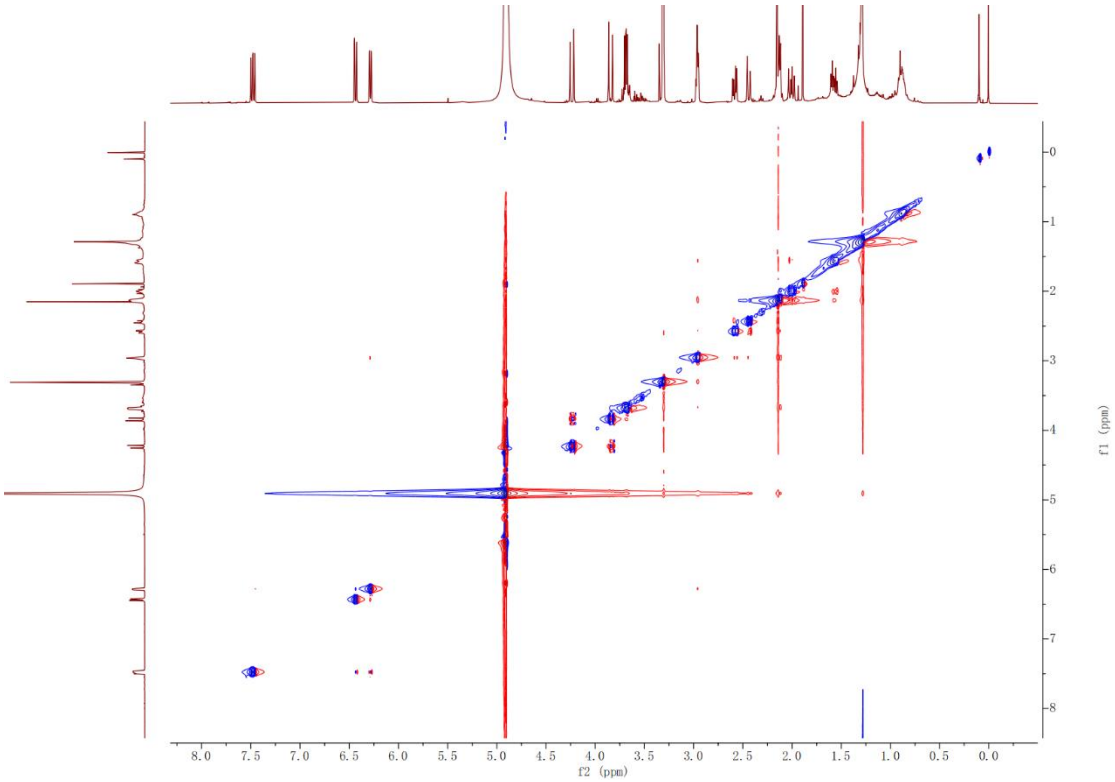

Figure S7: The NOESY spectrum of compound **1**

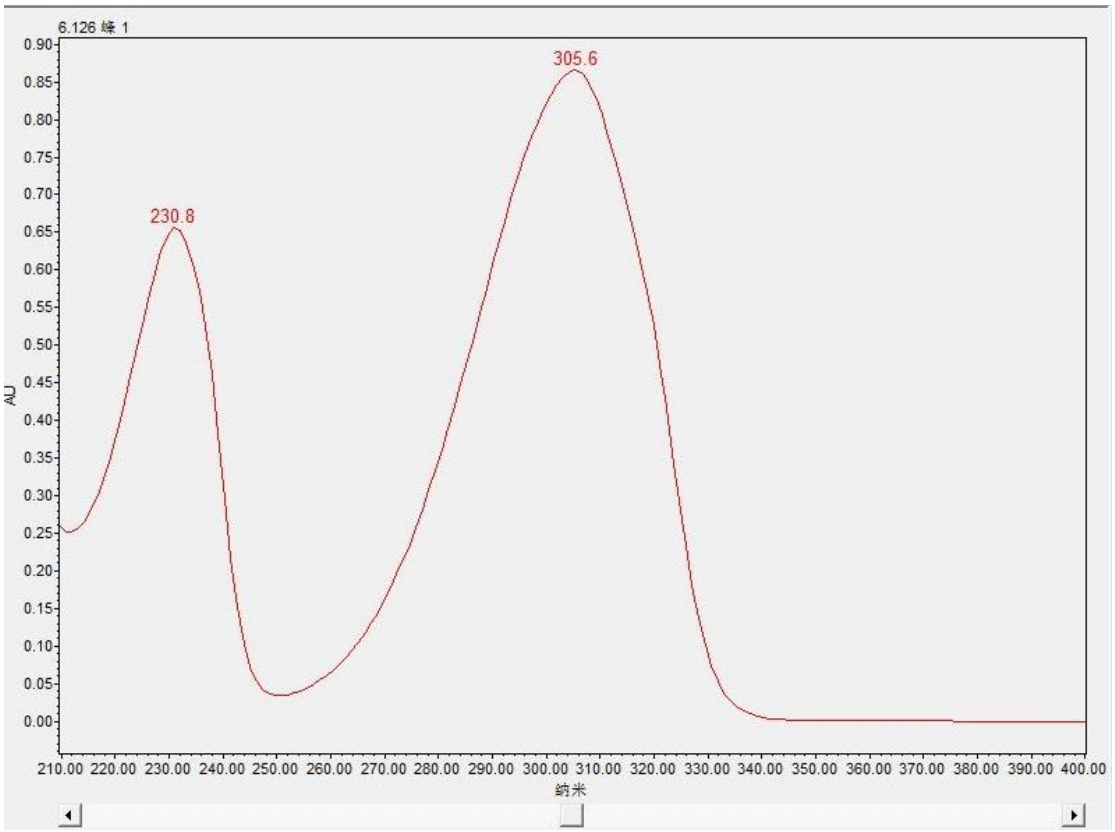

Figure S8: The UV spectrum of compound **1**

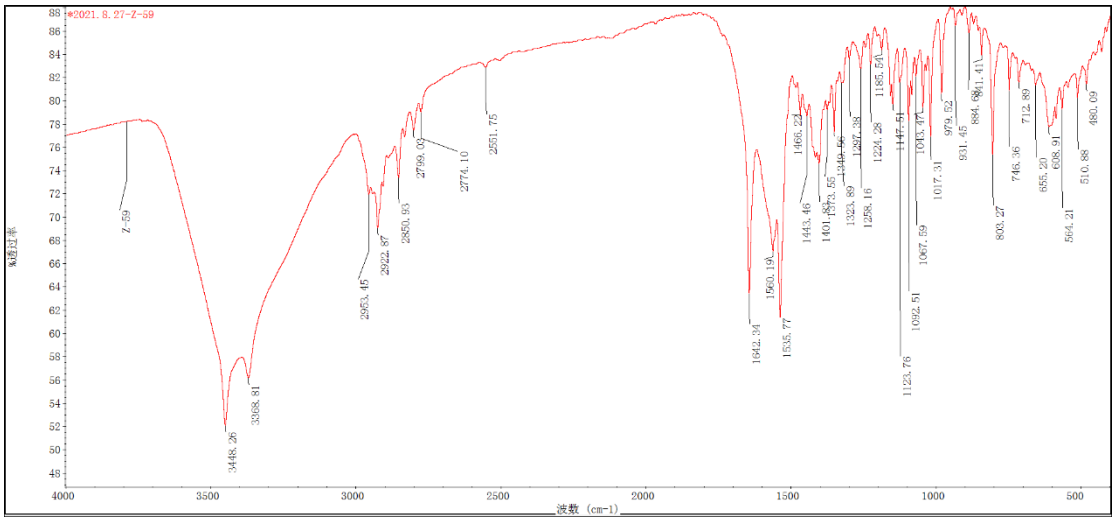

Figure S9: The IR spectrum of compound **1**

z−59. HRMS (ESI) m/z calcd for $C_{15}H_{21}N_2O_3^+$ $(M+H)^+$ 277.15467, found 277.15411.

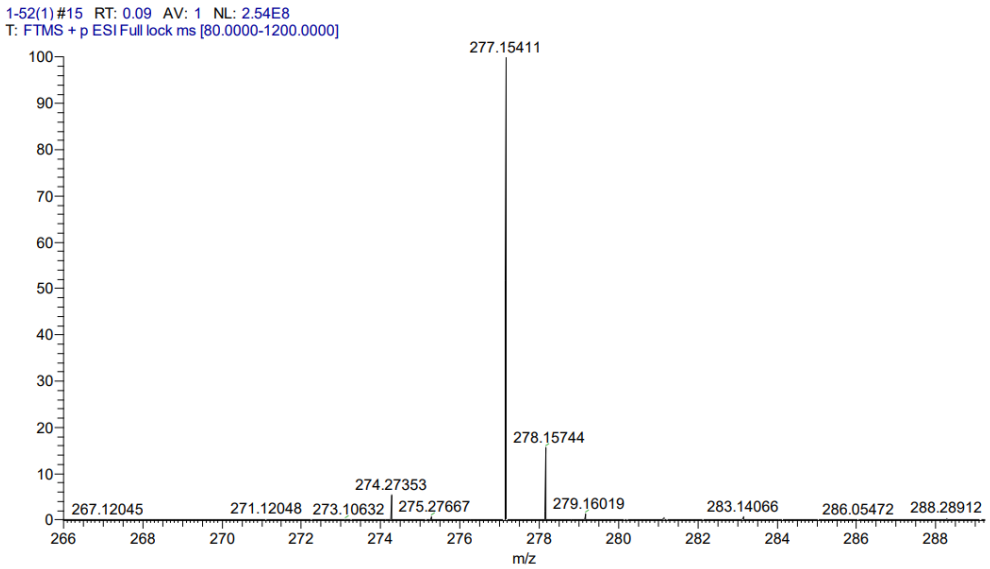

Figure S10: The HRESIMS spectrum of compound **1**

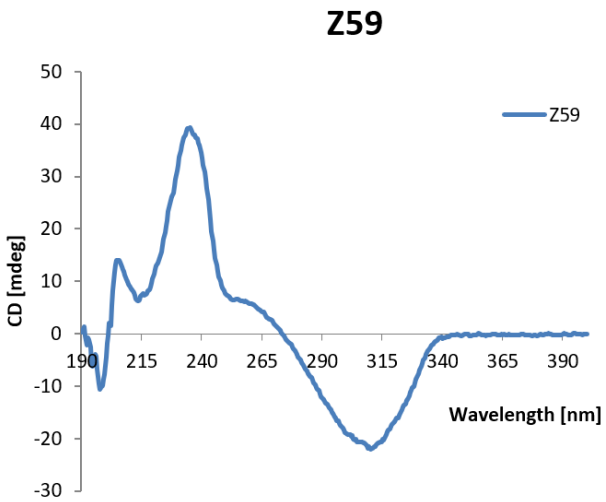

Figure S11: The CD spectrum of compound **1**

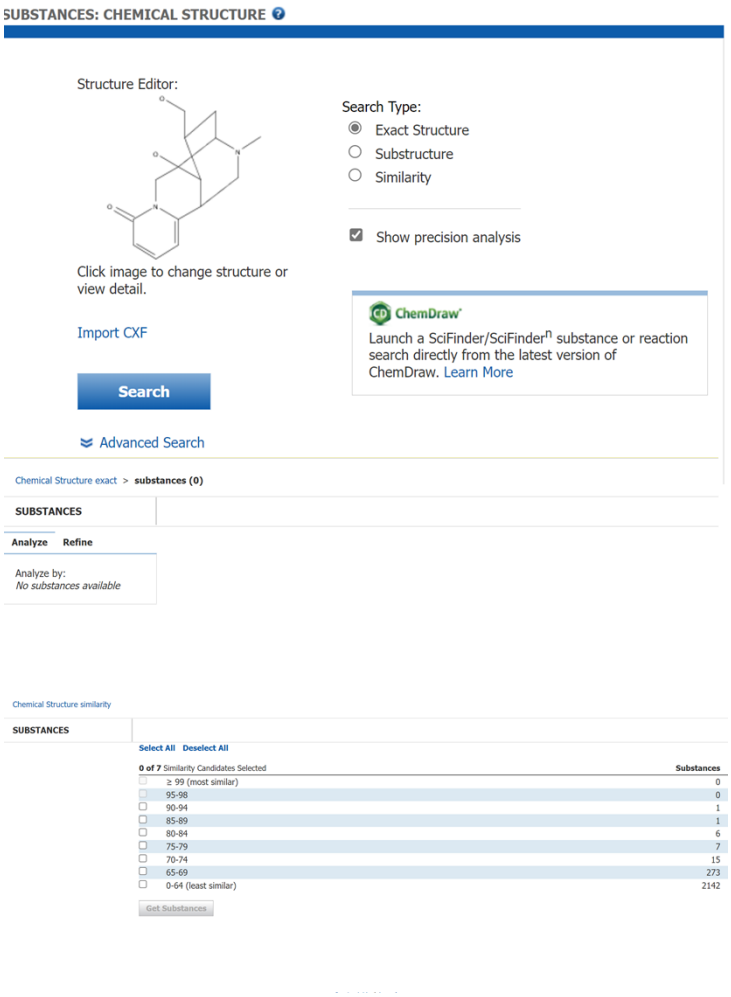

Figure S12: The search results of compound **1**in scifinder