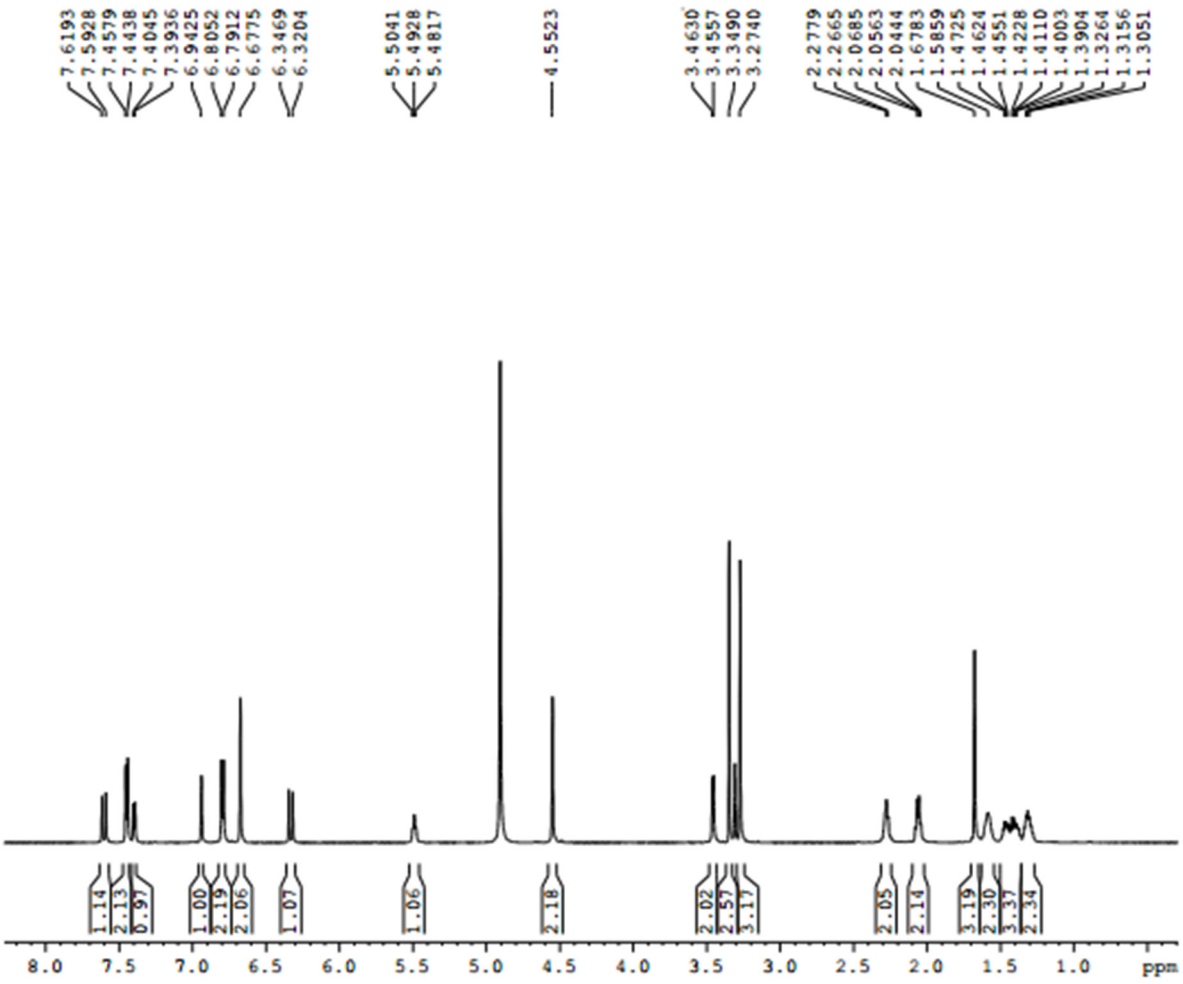
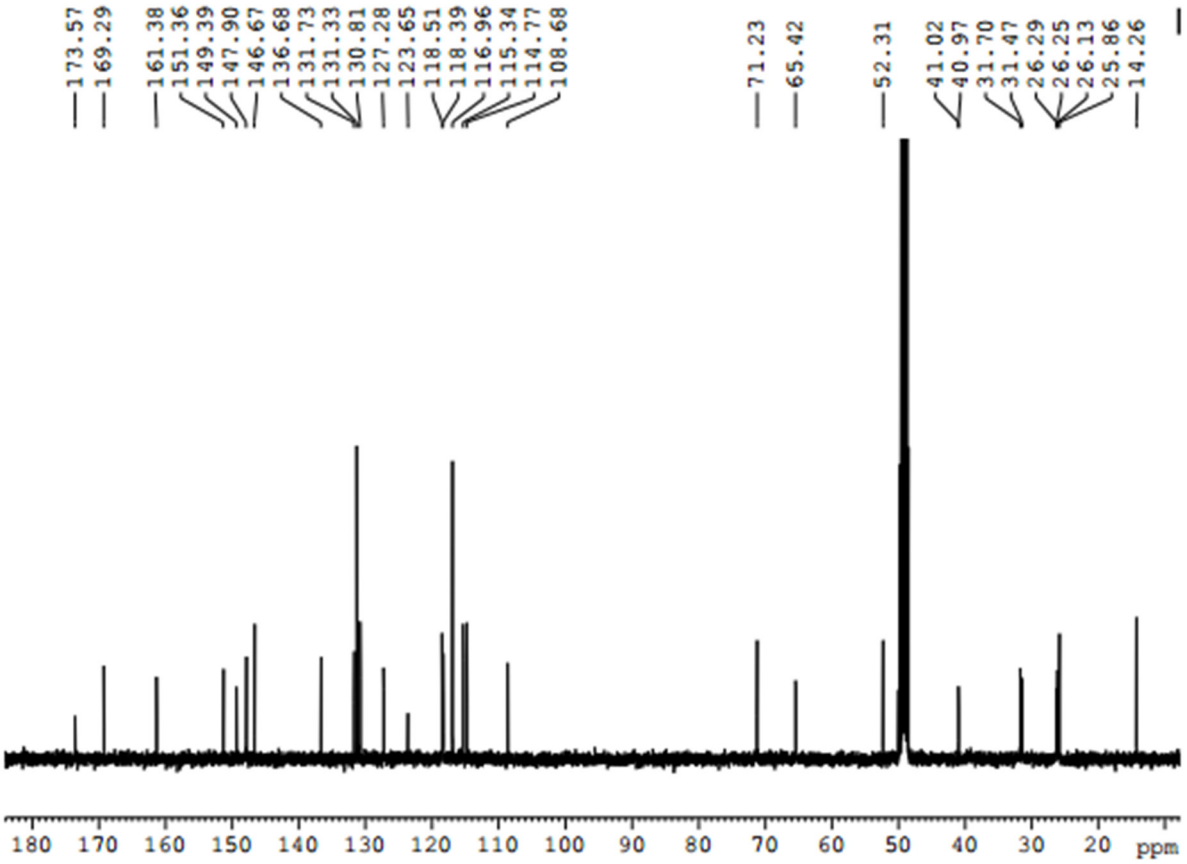
Farnesyl phenolic enantiomers as natural MTH1 inhibitors from *Ganoderma sinense*

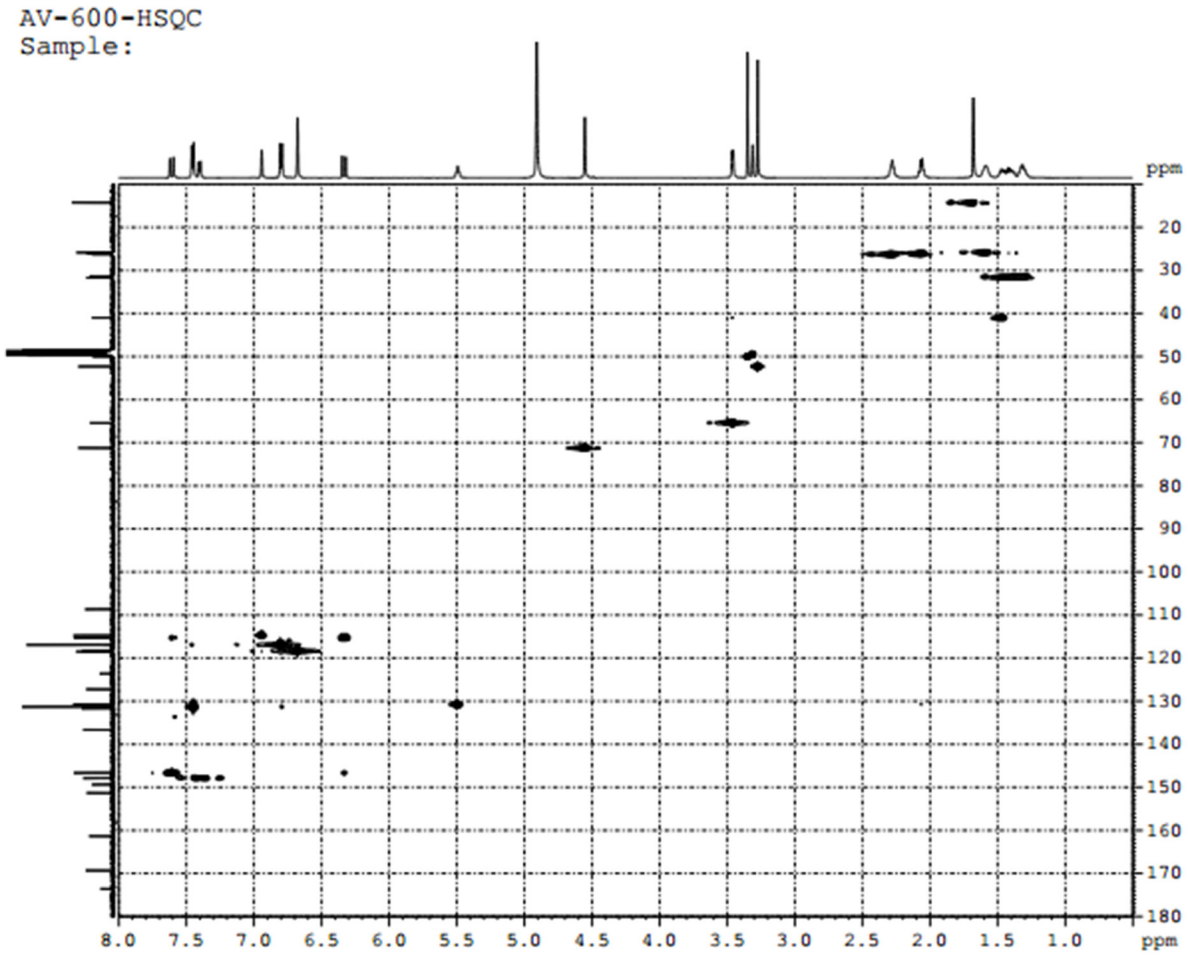
SUPPLEMENTARY MATERIALS



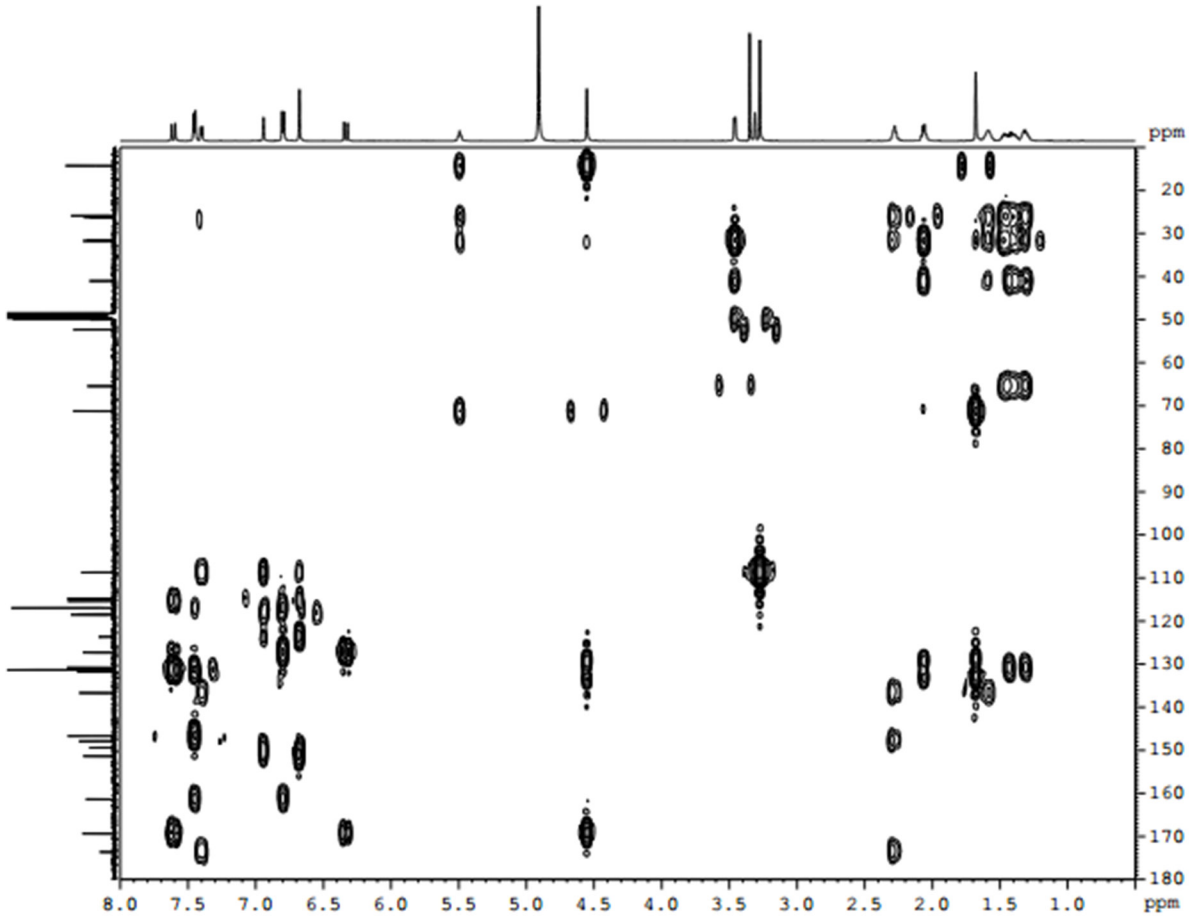
Supplementary Figure 1: ^{1}H NMR (400 MHz) spectrum of 1 and 2 in CD_3OD.



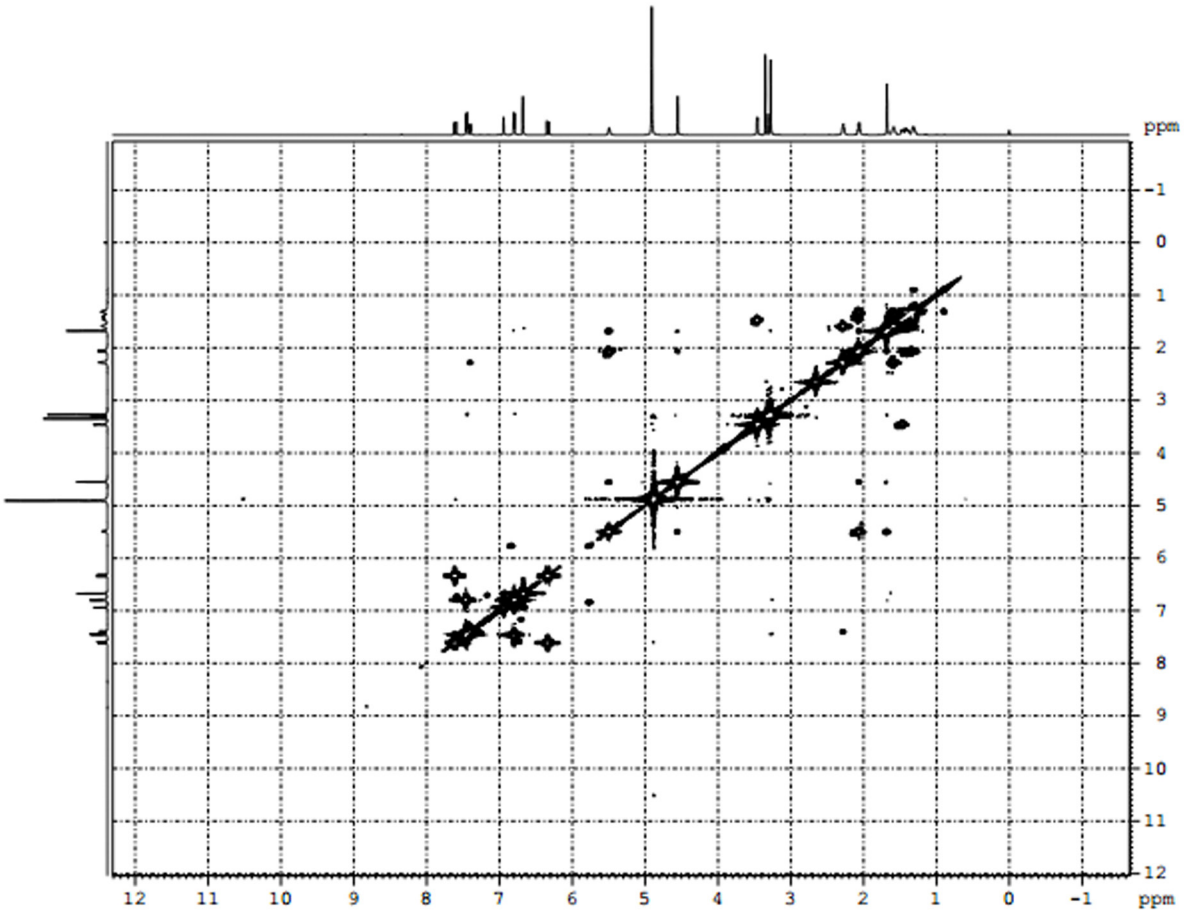
Supplementary Figure 2: ^{13}C NMR (600 MHz) spectrum of 1 and 2 in CD_3OD.



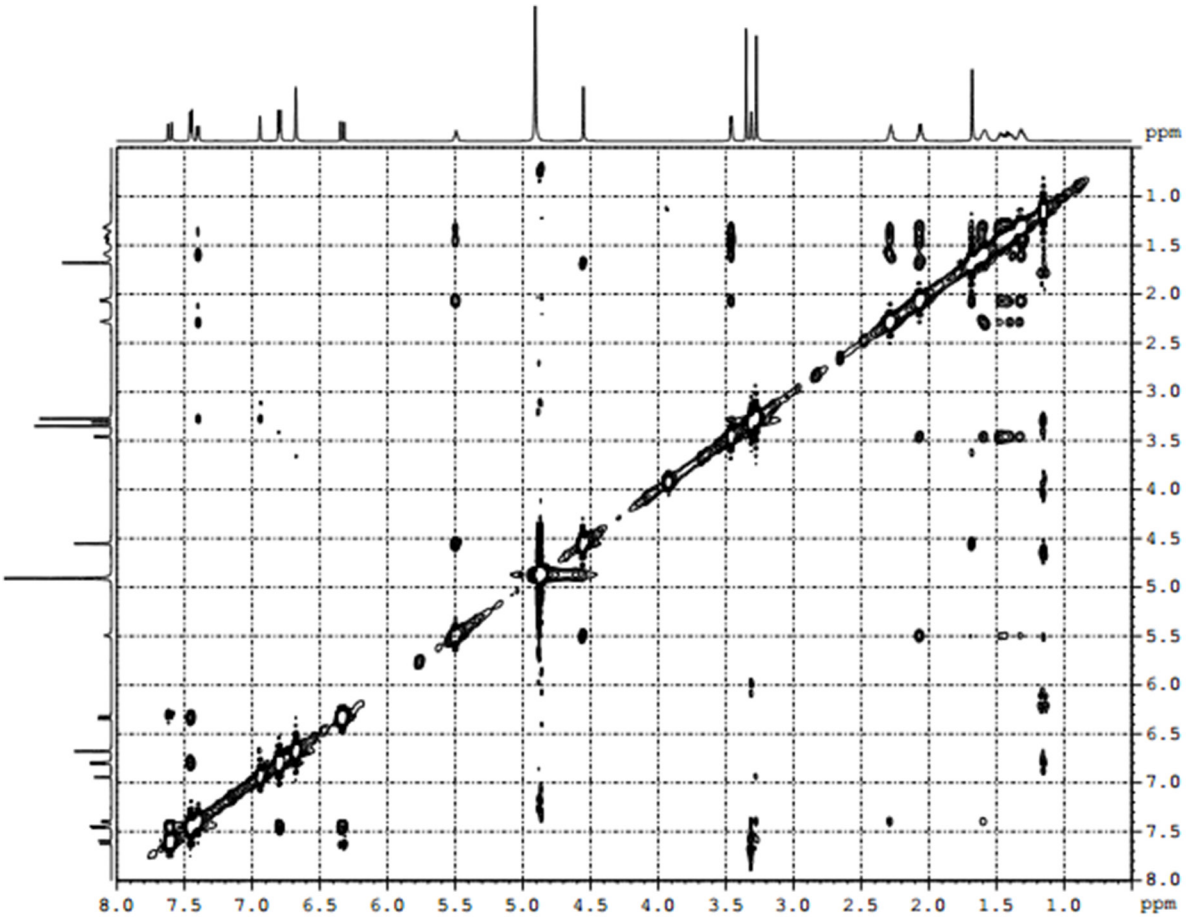
Supplementary Figure 3: HSQC spectrum of 1 and 2 in CD_3OD.



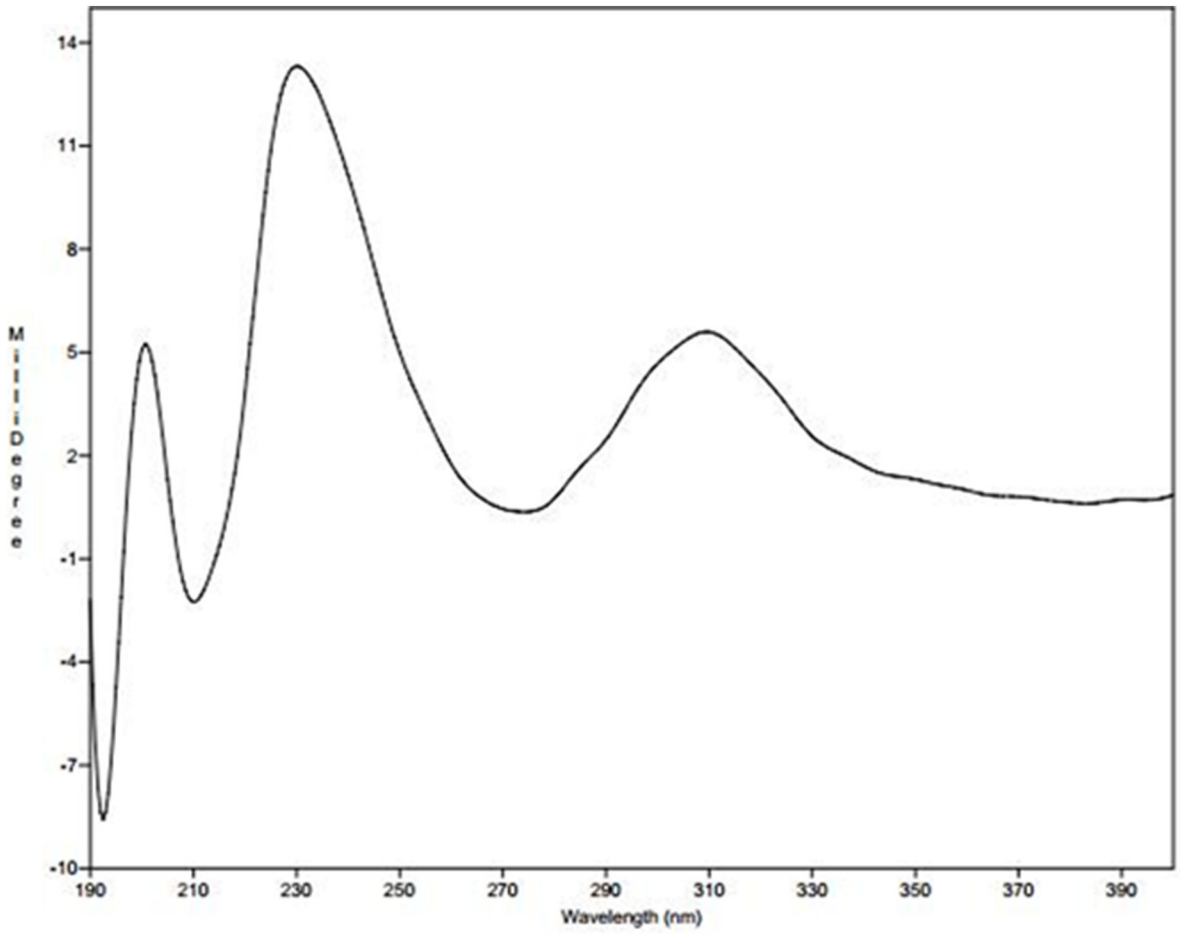
Supplementary Figure 4: HMBC spectrum of 1 and 2 in CD_3OD.



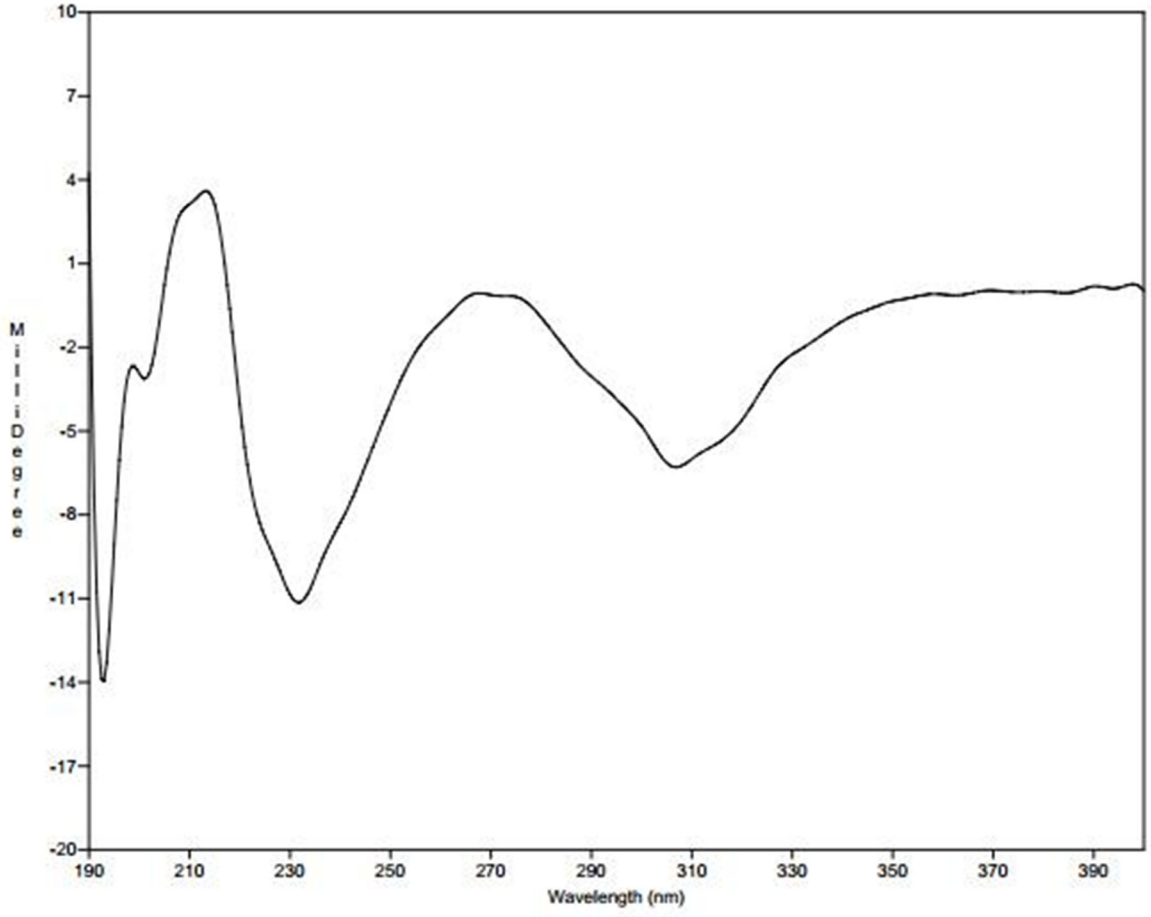
Supplementary Figure 5: ^{1}H-1H COSY spectrum of 1 and 2 in CD_3OD.



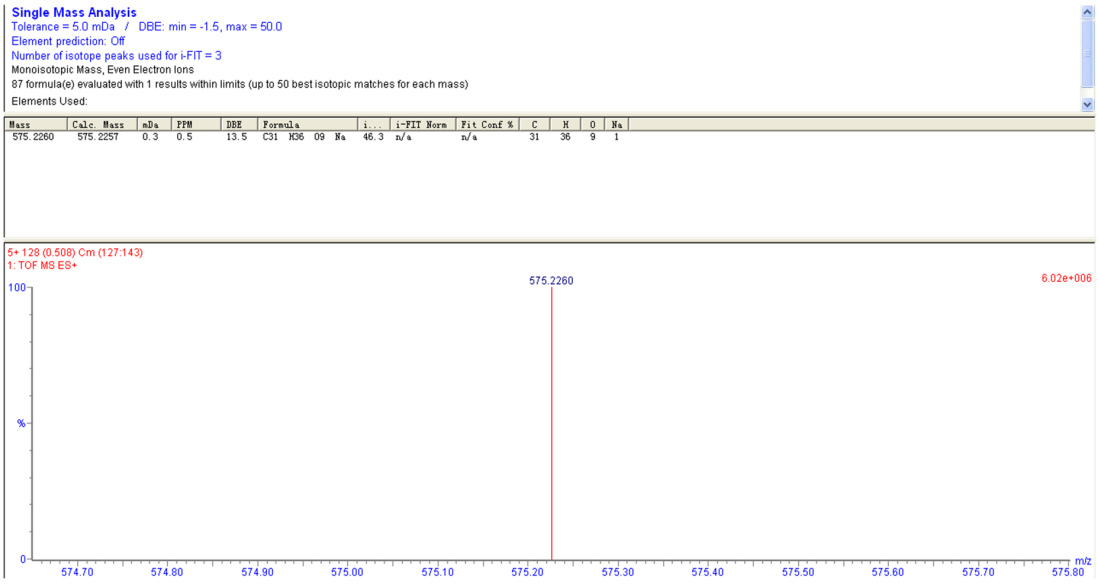
Supplementary Figure 6: NOESY spectrum of 1 and 2 in CD_3OD.



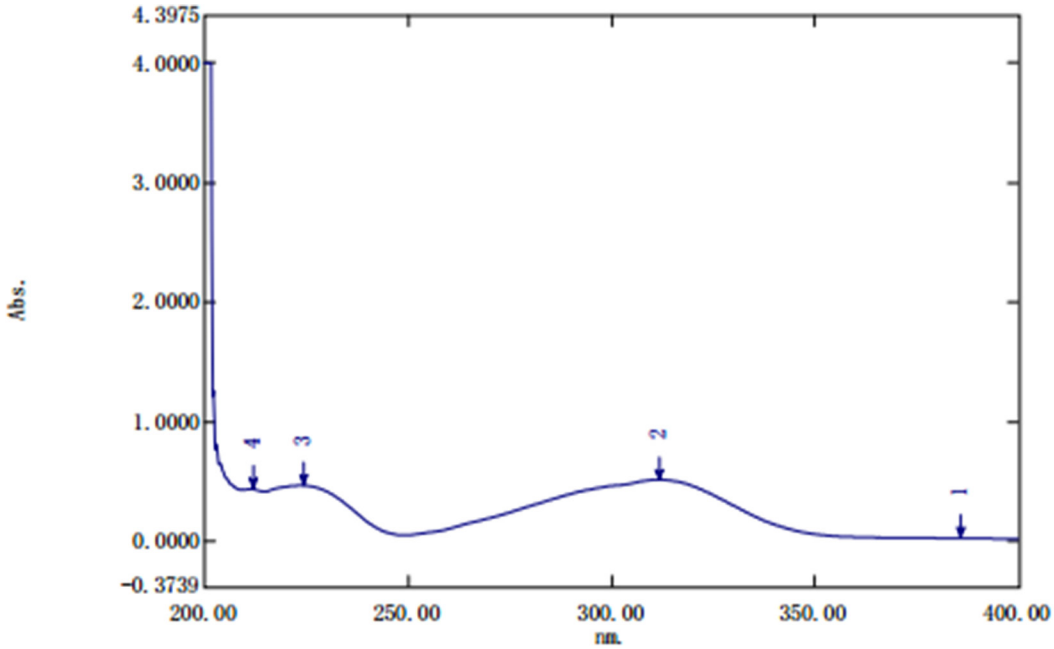
Supplementary Figure 7: CD spectrum of compound 1.



Supplementary Figure 8: CD spectrum of compound 2.



Supplementary Figure 9: HRESIMS data of 1 and 2.

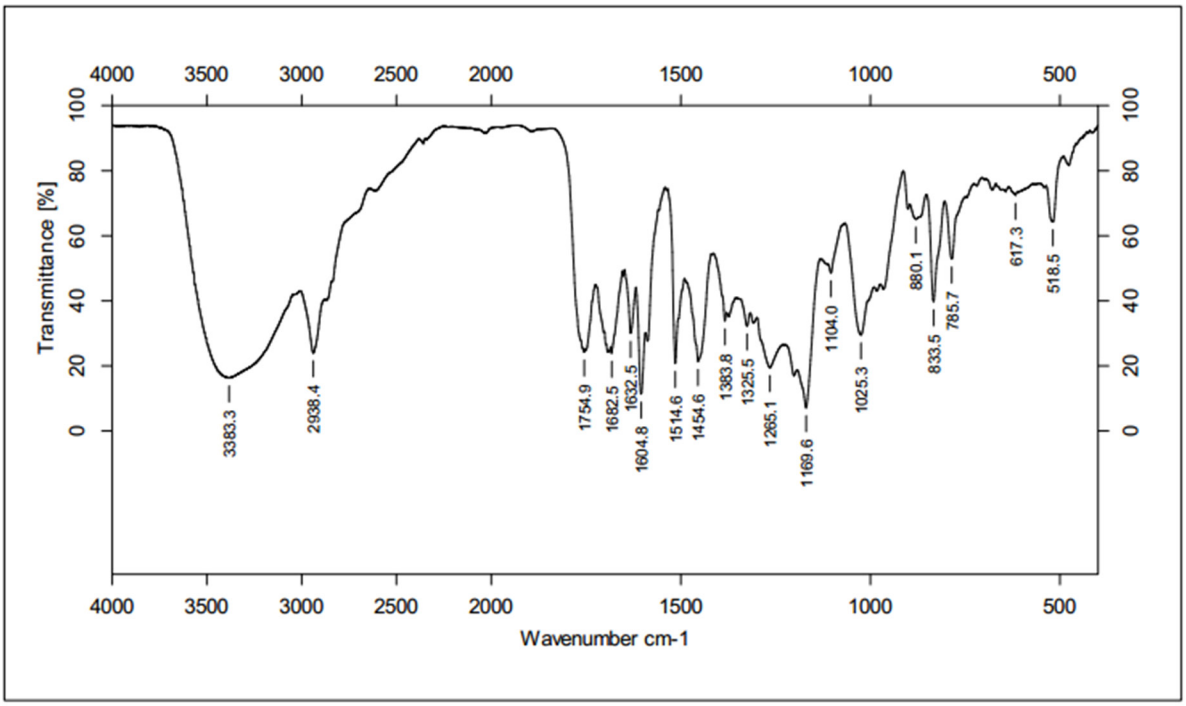


测定属性
波长范围（nm.）： 200.00到400.00
扫描速度： 中速
采样间隔： 0.2
自动采样间隔: 启用
扫描模式： 自动

试样准备属性
重量:
体积 :

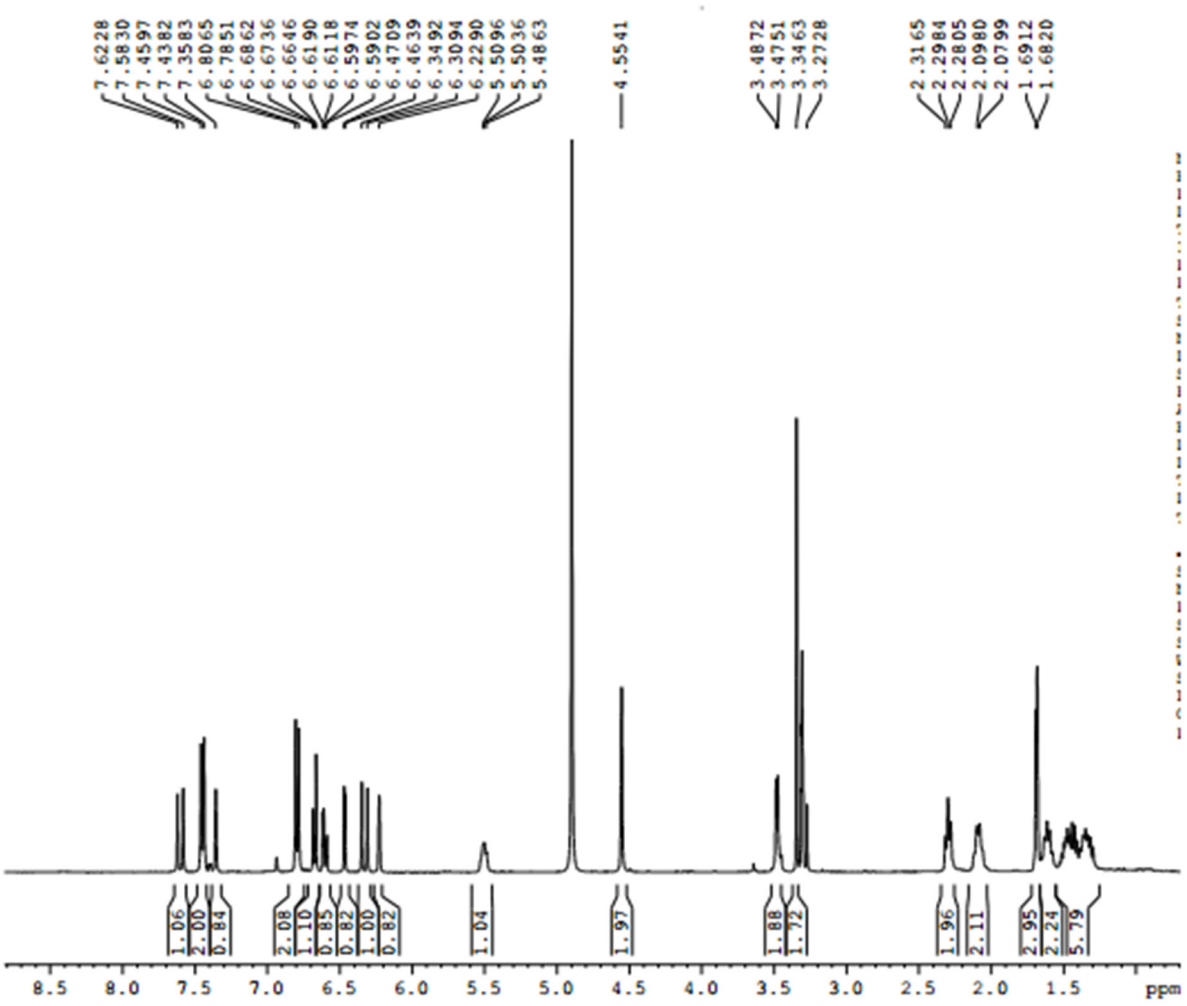
No.	P/V	Wavelength	Abs.	描述
1	↑	386.00	.0292	
2	↑	311.60	.5199	
3	↑	224.20	.4701	
4	↑	211.80	.4410	
5	↓	361.60	.0364	
6	↓	248.40	.0542	
7	↓	214.20	.4185	
8	↓	210.00	.4332	

Supplementary Figure 10: UV spectrum of 1 and 2.

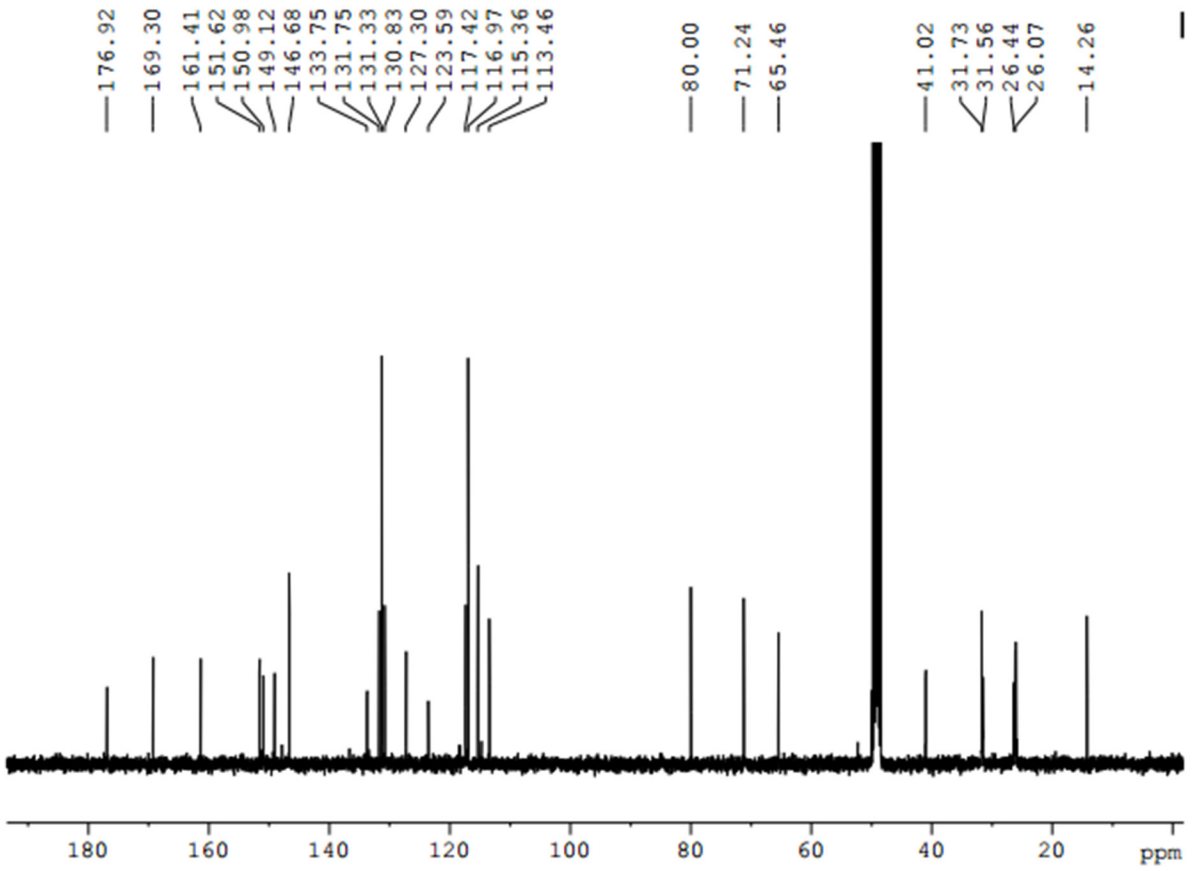


Sample : WM-E53342	Frequency Range : 3999.64 - 400.157	Measured on : 2015-3-24	
Technique : Sample form	Resolution : 2	Instrument : EQUINOX55	Sample Scans : 16
Customer : Default	Zerofilling : 2	Acquisition : Double Sided,For	

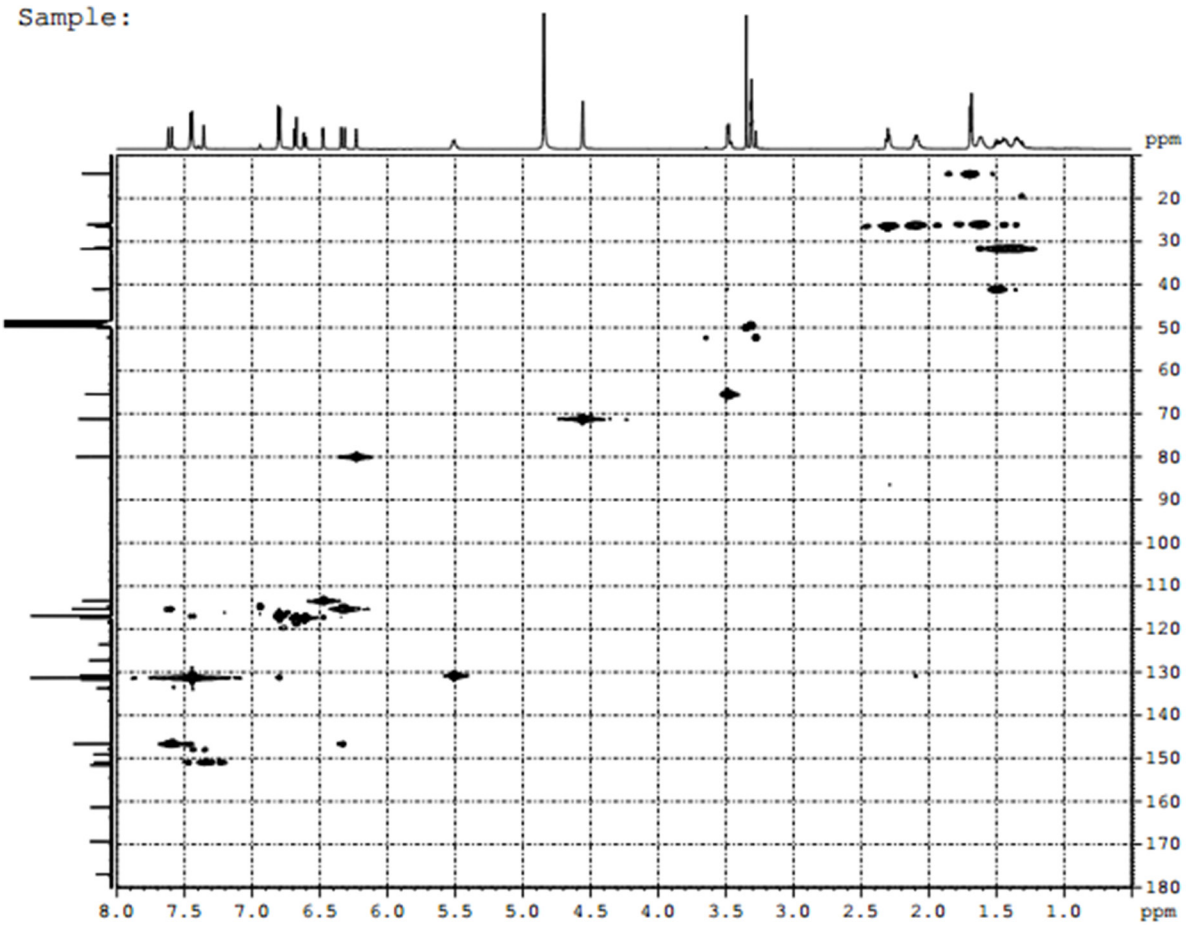
Supplementary Figure 11: IR spectrum of 1 and 2.



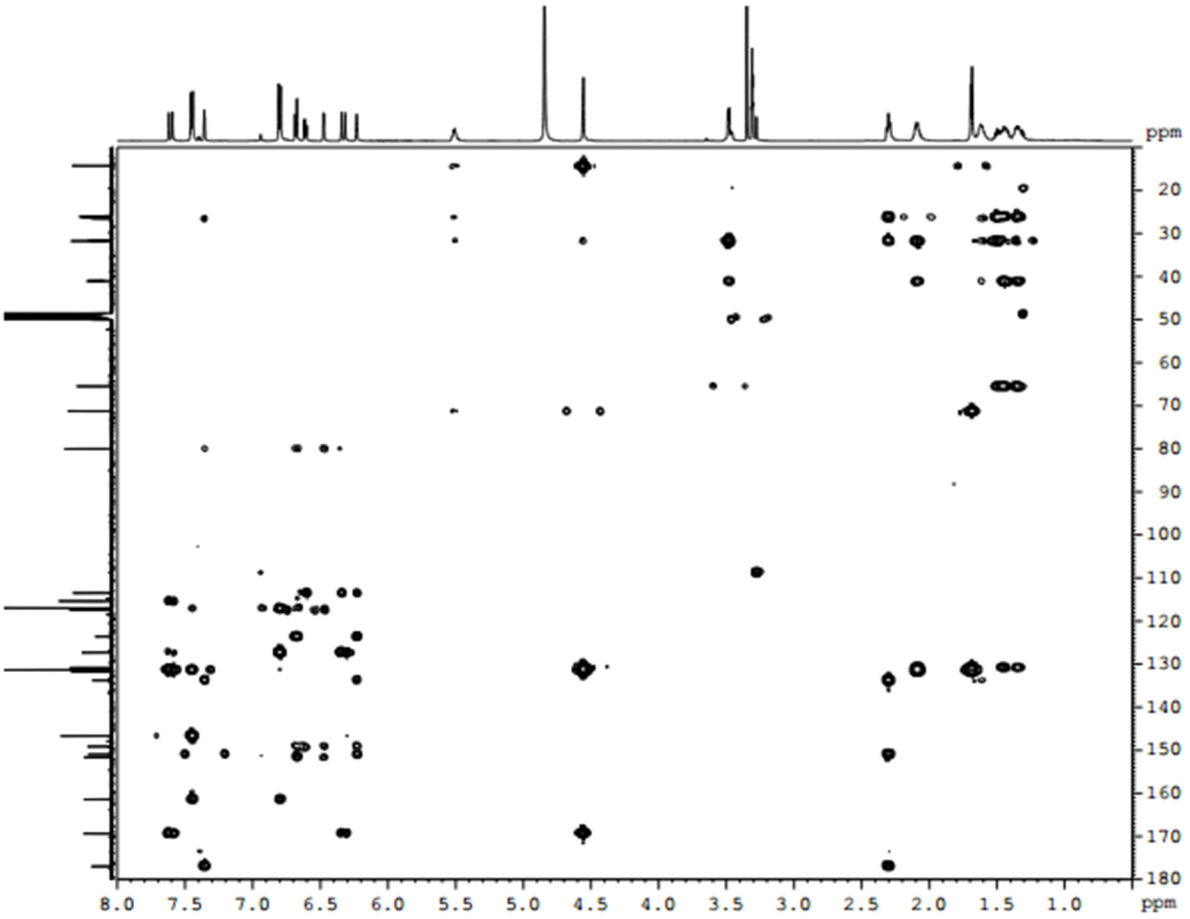
Supplementary Figure 12: ^{1}H NMR (400 MHz) spectrum of 3 and 4 in CD_3OD.



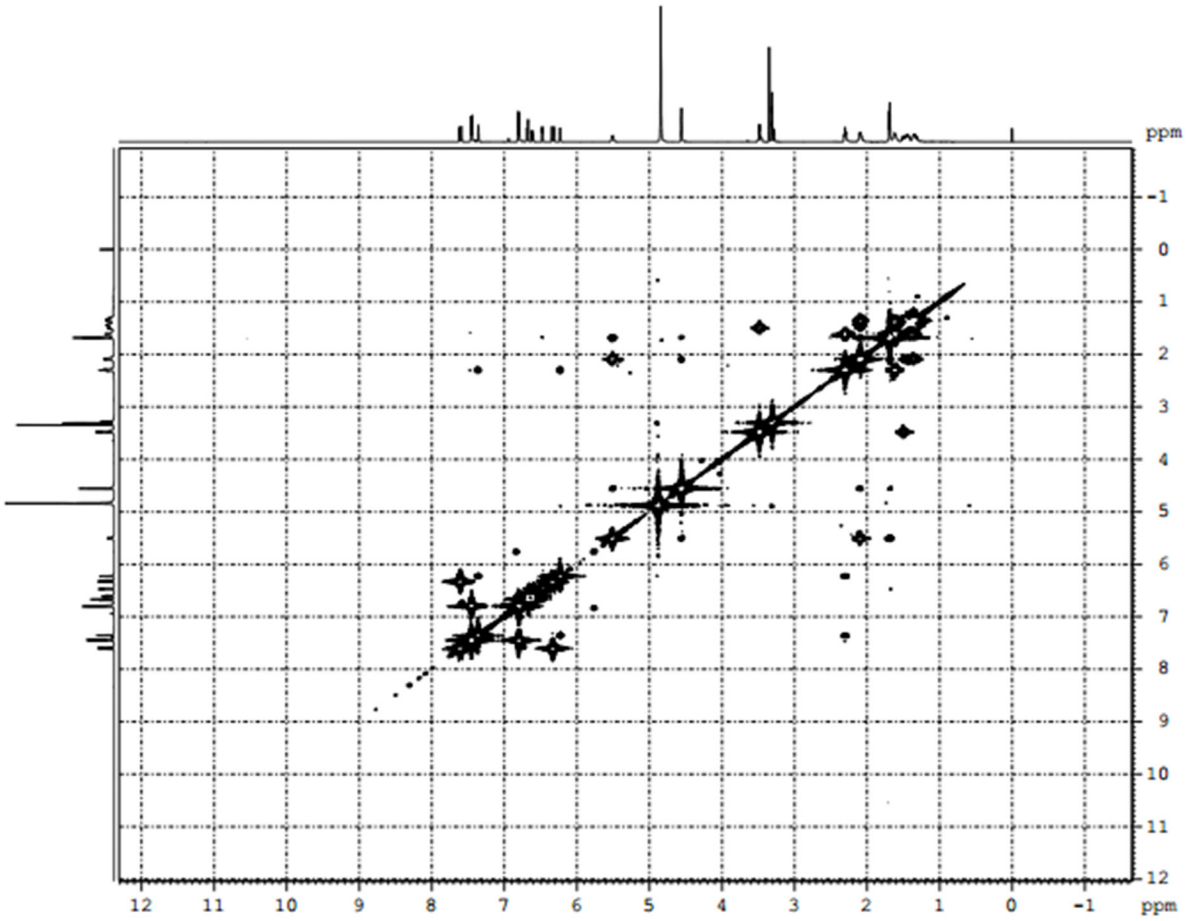
Supplementary Figure 13: ^{13}C NMR (100 MHz) spectrum of 3 and 4 in CD_3OD.



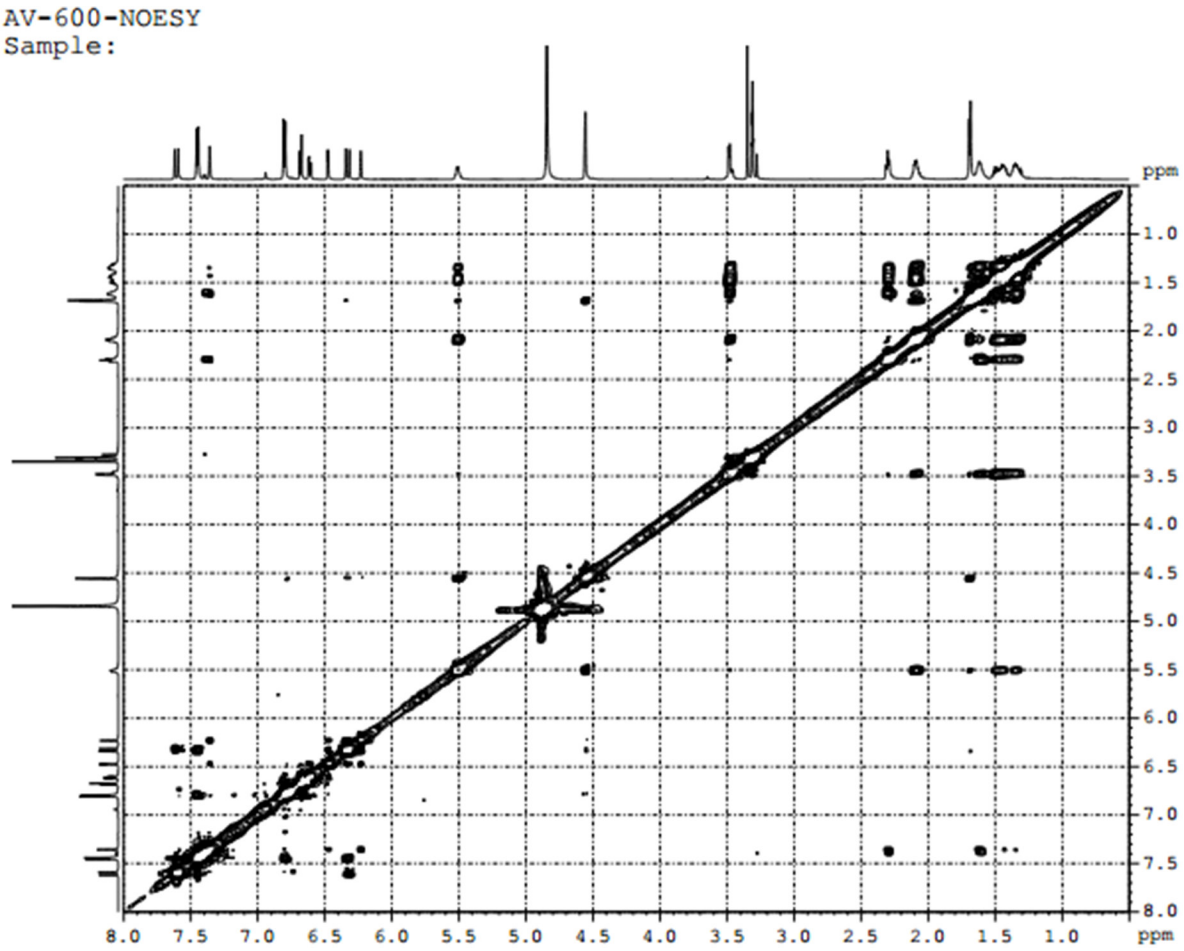
Supplementary Figure 14: HSQC spectrum of 3 and 4 in CD_3OD.



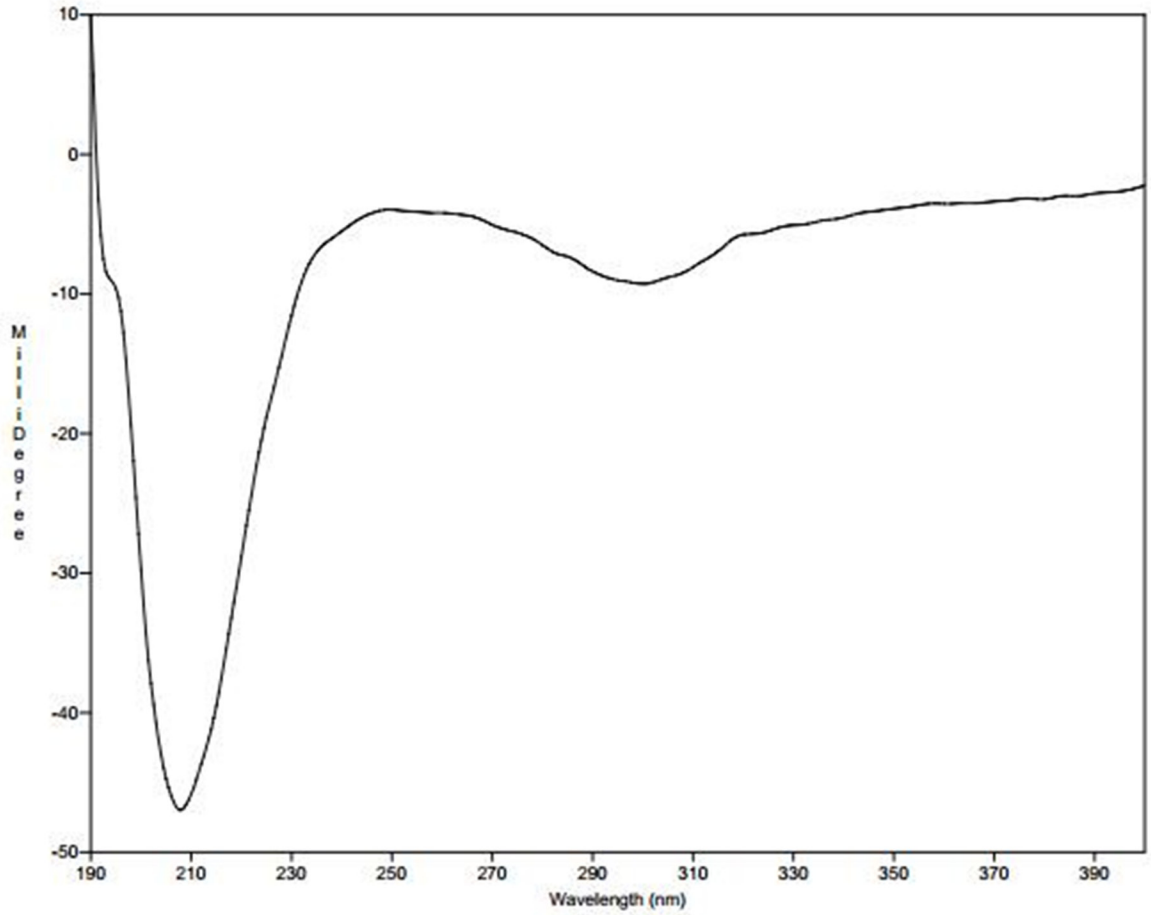
Supplementary Figure 15: HMBC spectrum of 3 and 4 in CD_3OD.



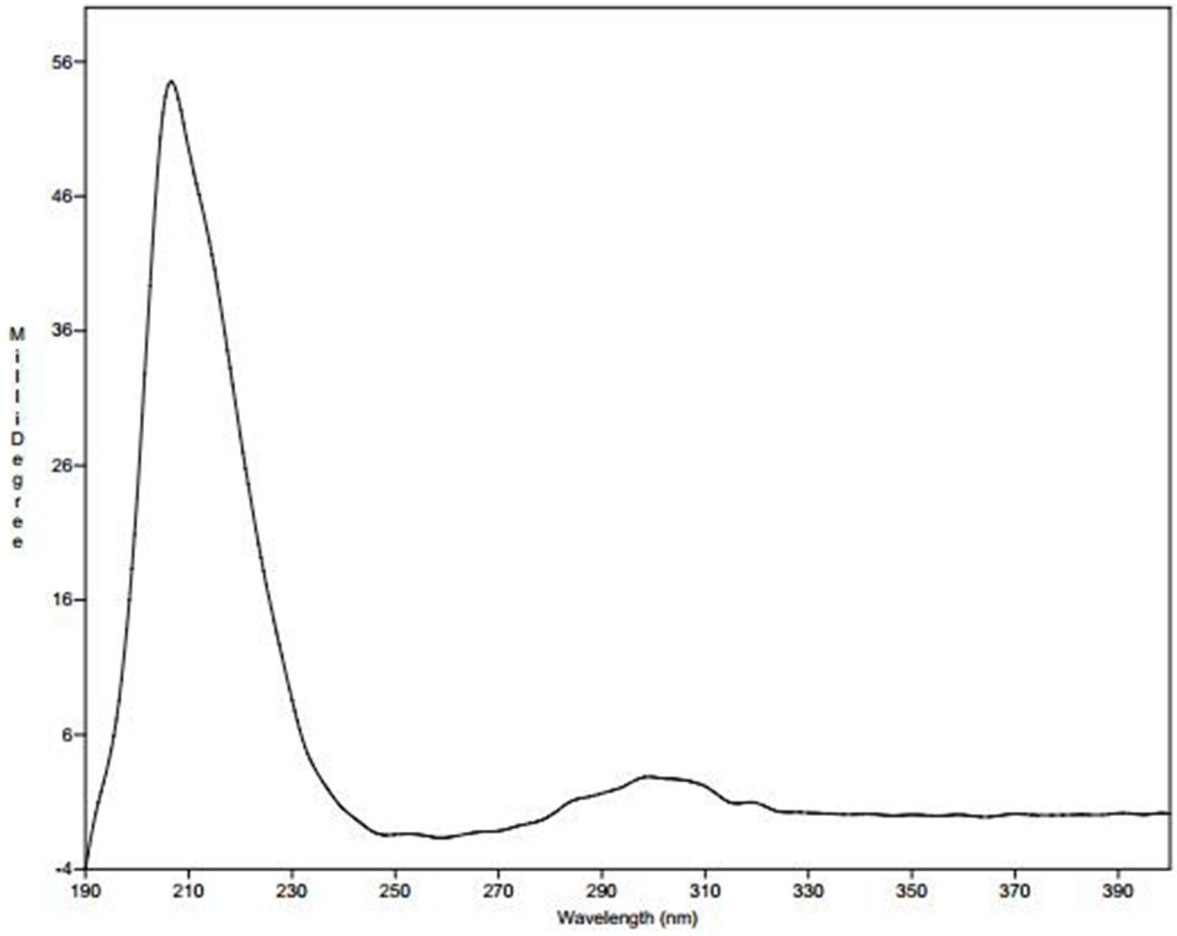
Supplementary Figure 16: ^{1}H-^{1}H COSY spectrum of 3 and 4 in CD_3OD.



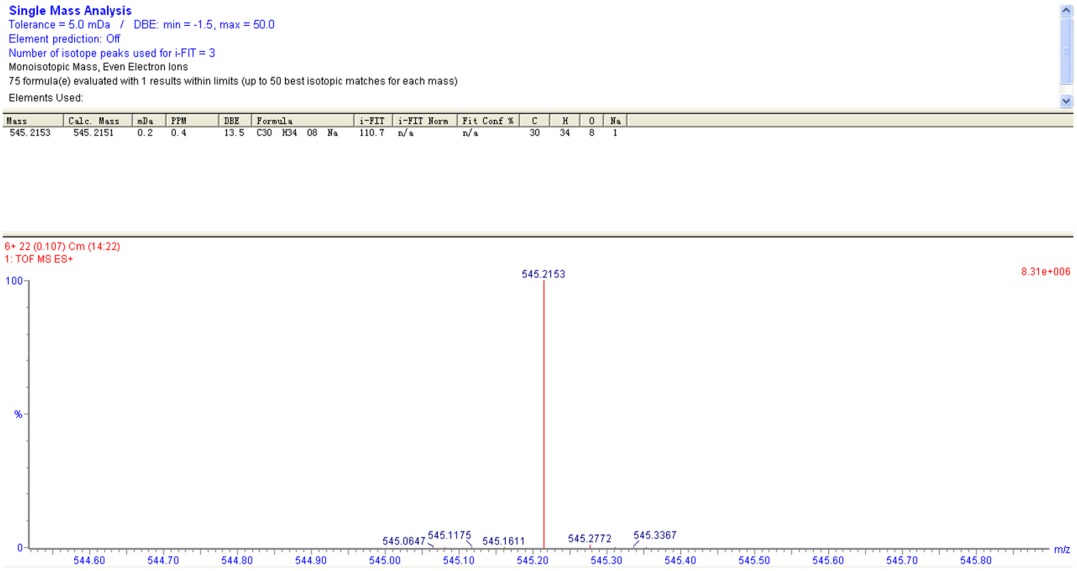
Supplementary Figure 17: NOESY spectrum of 3 and 4 in CD_3OD.



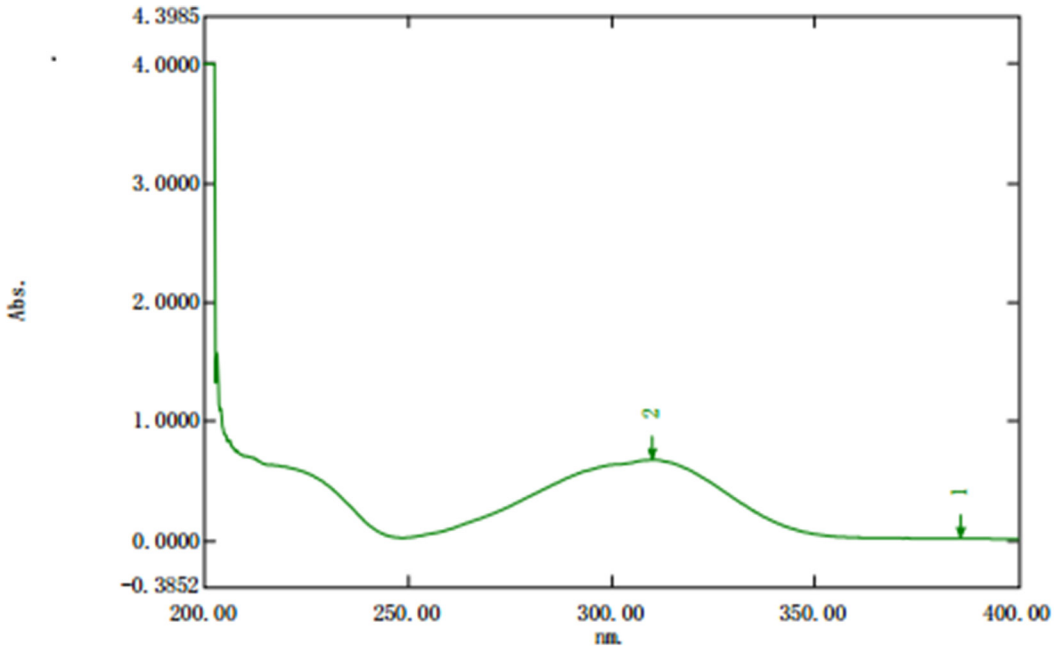
Supplementary Figure 18: CD spectrum of compound 3.



Supplementary Figure 19: CD spectrum of compound 4.



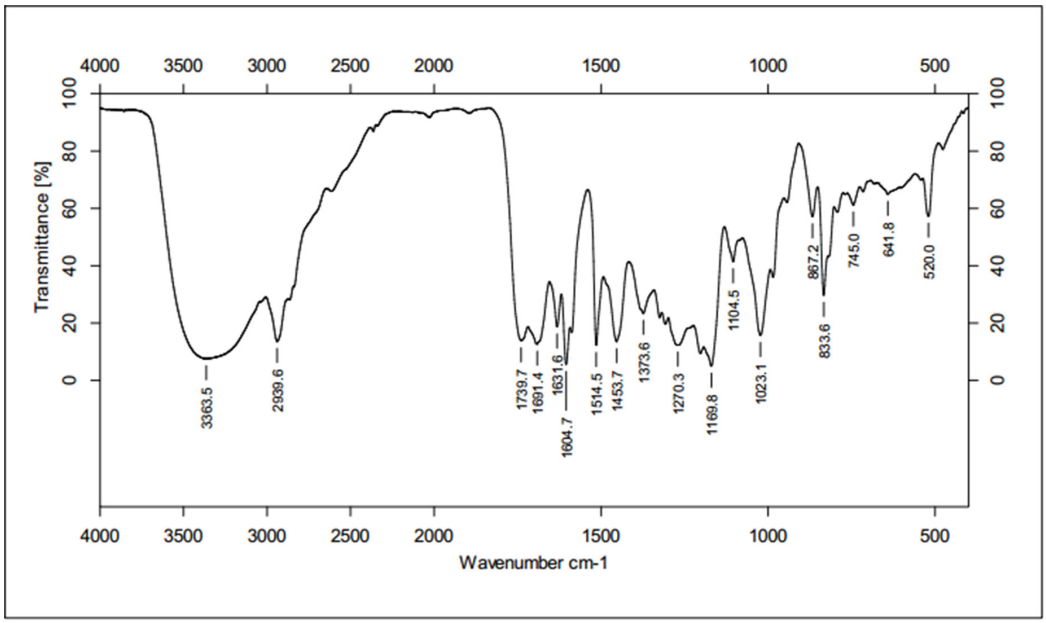
Supplementary Figure 20: HRESIMS data of 3 and 4.



测定属性
波长范围（nm.）： 200.00到400.00
扫描速度： 中速
采样间隔： 0.2
自动采样间隔: 启用
扫描模式： 自动

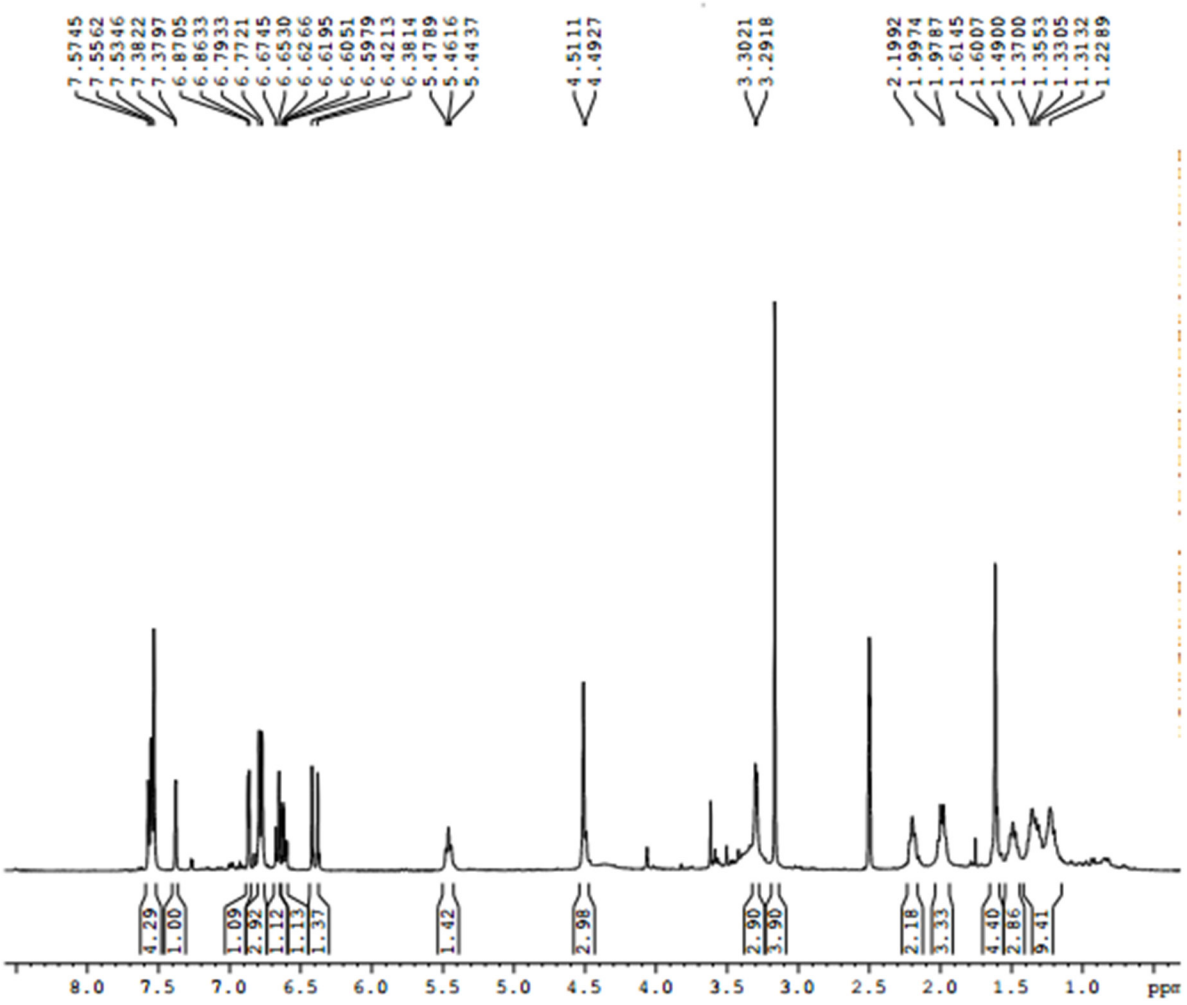
No.	P/V	Wavelength	Abs.	描述
1	↑	386.00	.0177	
2	↑	310.00	.6787	
3	↓	371.80	.0193	
4	↓	248.60	.0234	

Supplementary Figure 21: UV spectrum of 3 and 4.

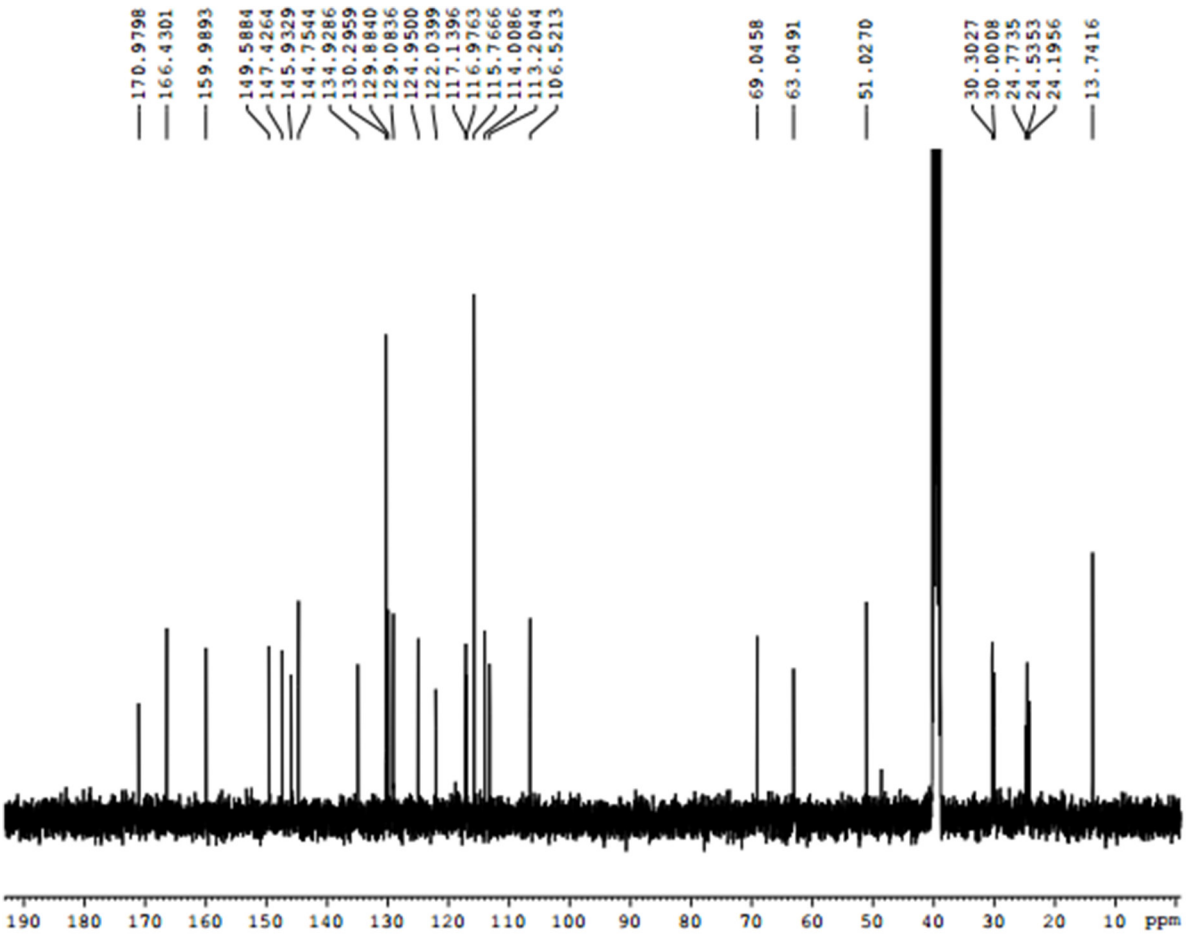


Sample : WM-E53442	Frequency Range : 3999.64 - 400.157	Measured on : 2015-3-24	
Technique : Sample form	Resolution : 2	Instrument : EQUINOX55	Sample Scans : 16
Customer : Default	Zerofilling : 2	Acquisition : Double Sided,For	

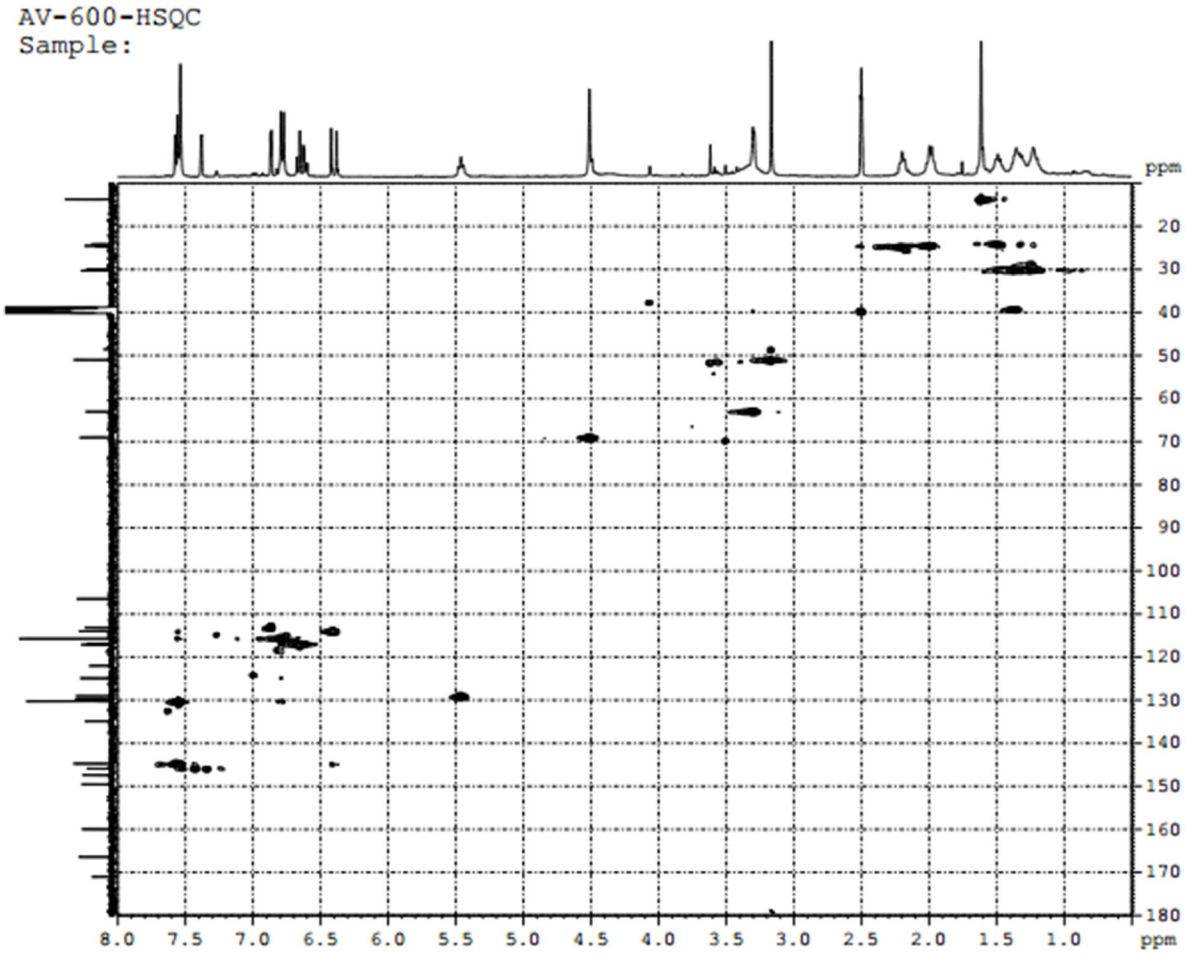
Supplementary Figure 22: IR spectrum of 3 and 4.



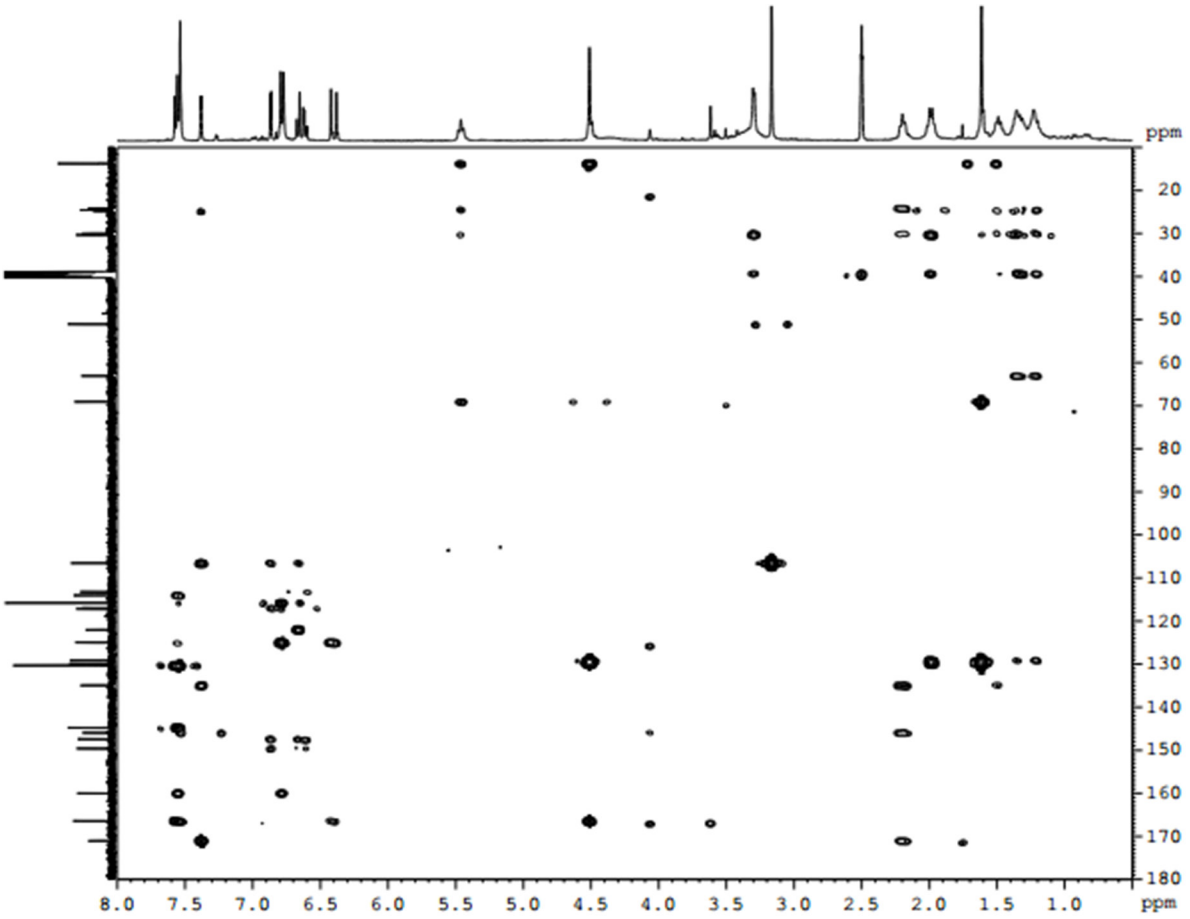
Supplementary Figure 23: ^{1}H NMR (400 MHz) spectrum of 5 and 6 in DMSO-d_6.



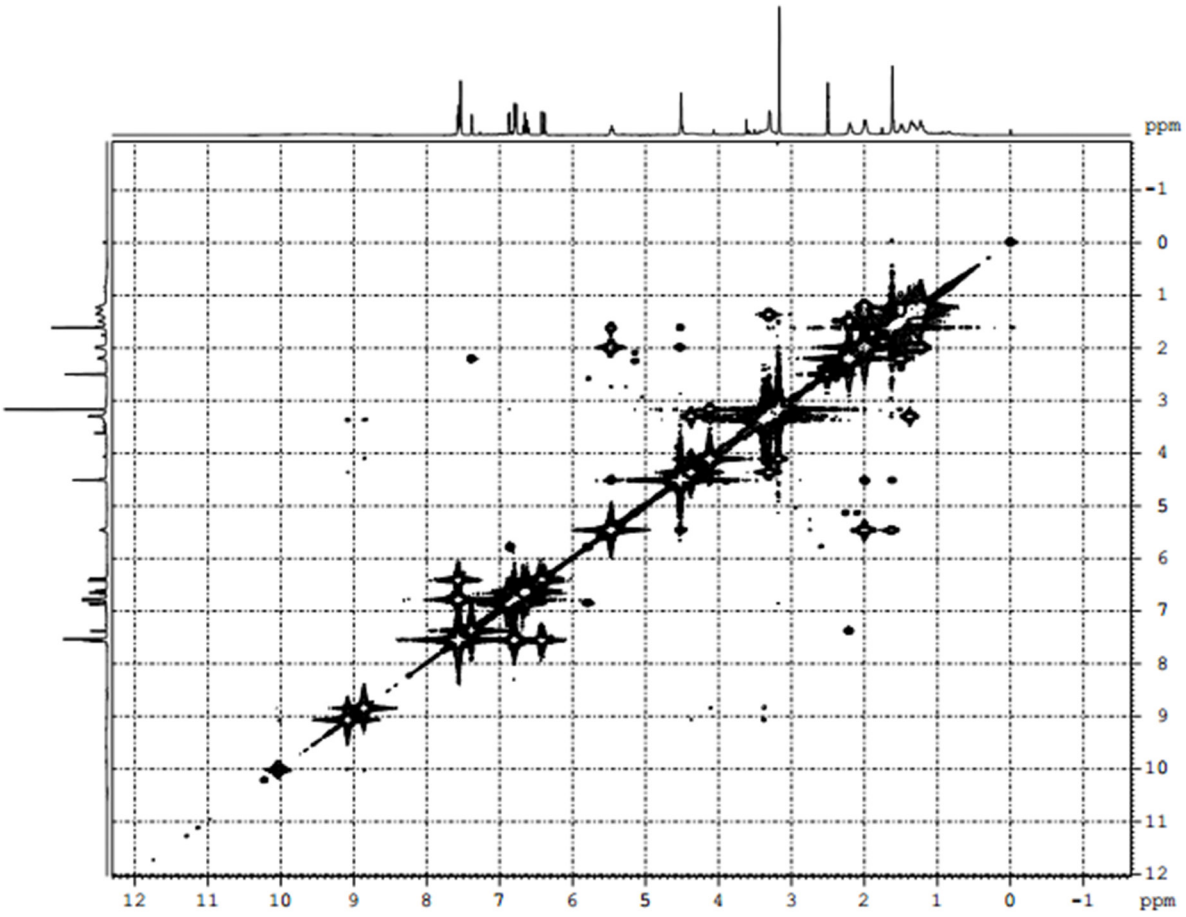
Supplementary Figure 24: ^{13}C NMR (100 MHz) spectrum of 5 and 6 in DMSO-d_6.



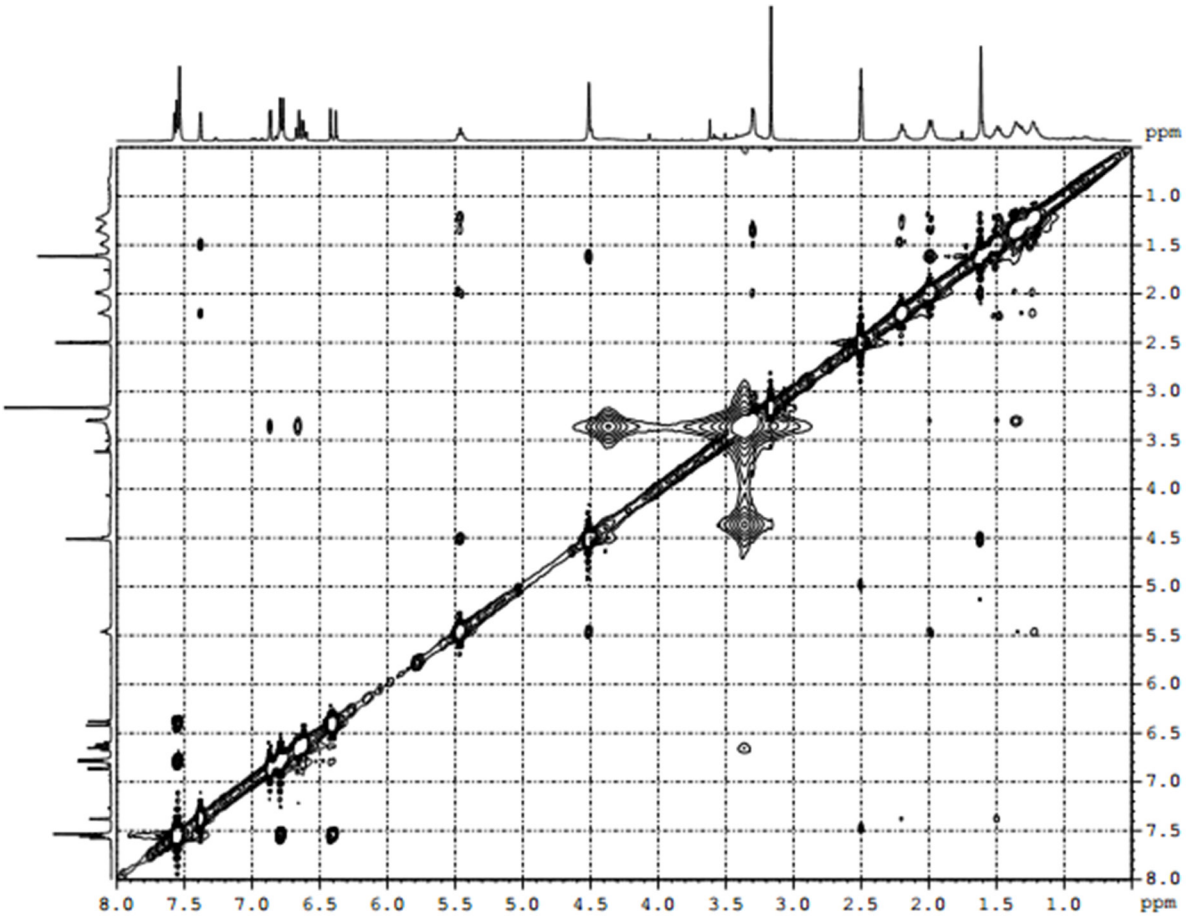
Supplementary Figure 25: HSQC spectrum of 5 and 6 in DMSO-d_6.



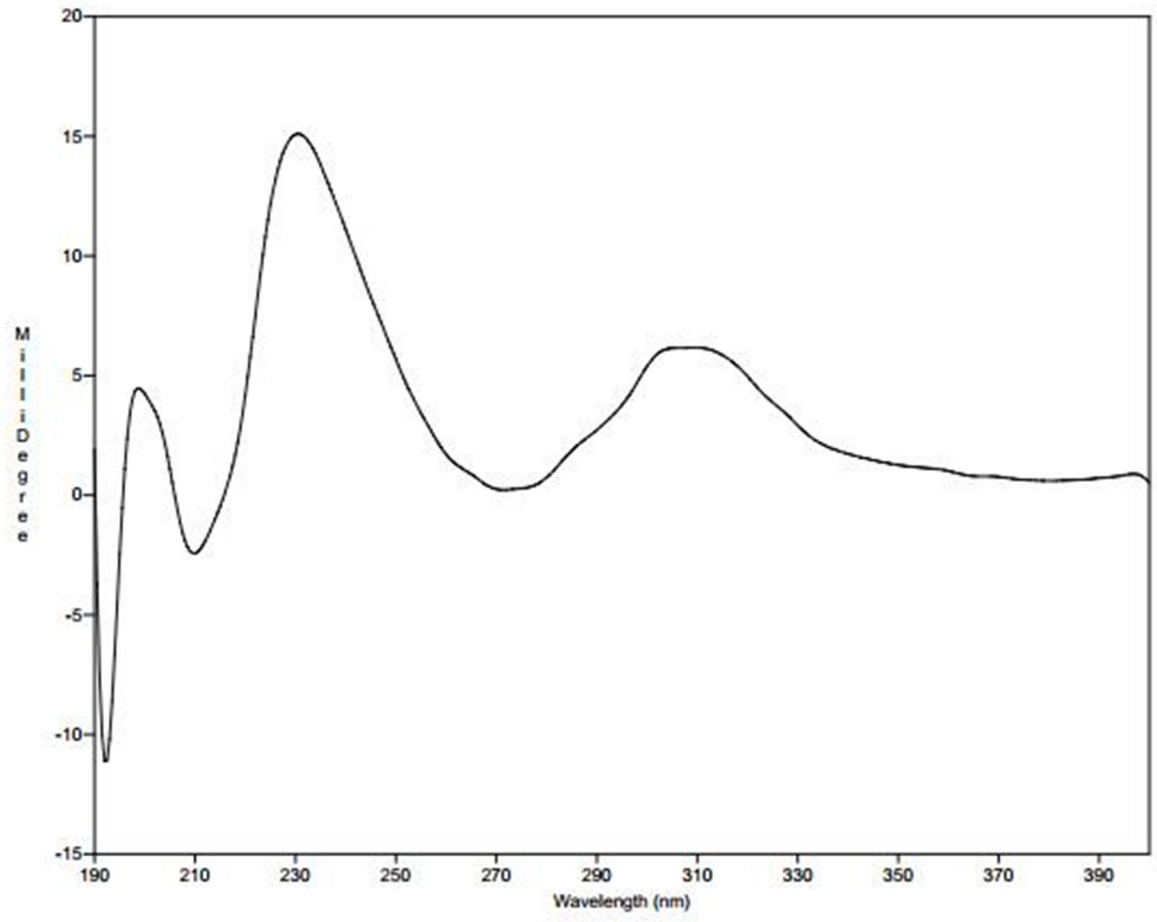
Supplementary Figure 26: HMBC spectrum of 5 and 6 in DMSO-d_6.



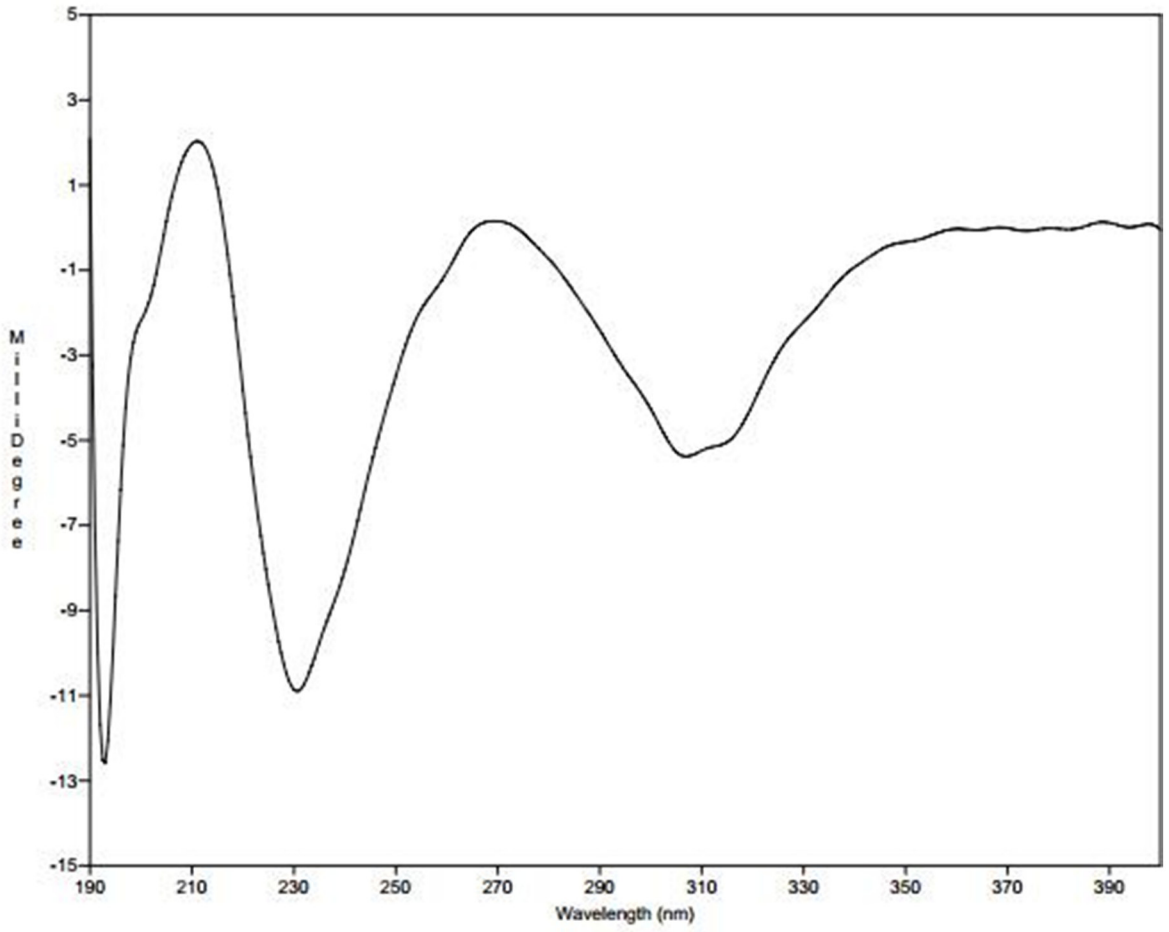
Supplementary Figure 27: ^{1}H-^{1}H COSY spectrum of 5 and 6 in DMSO-d_6.



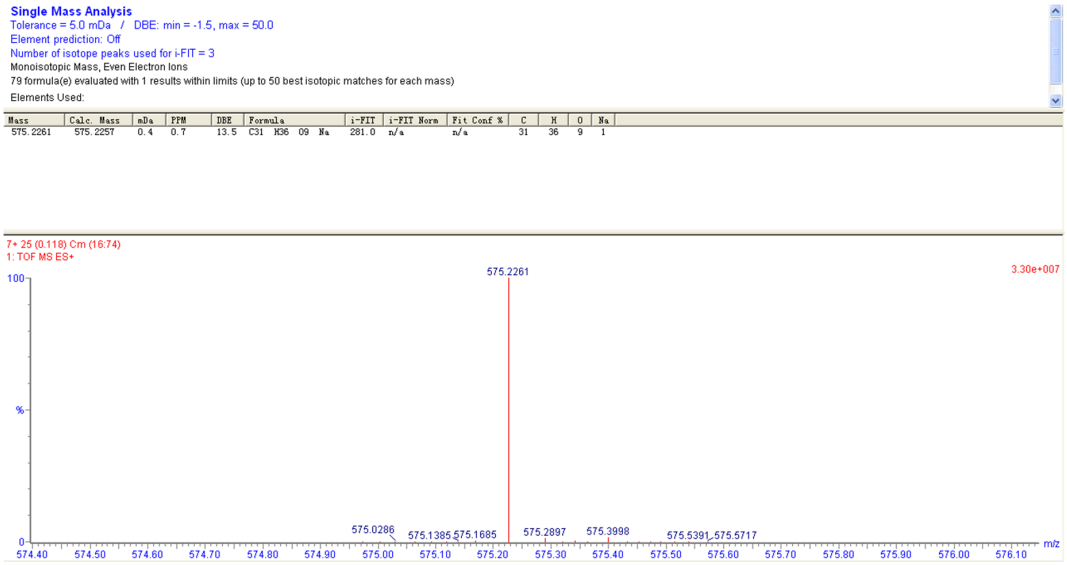
Supplementary Figure 28: NOESY spectrum of 5 and 6 in DMSO-d_6.



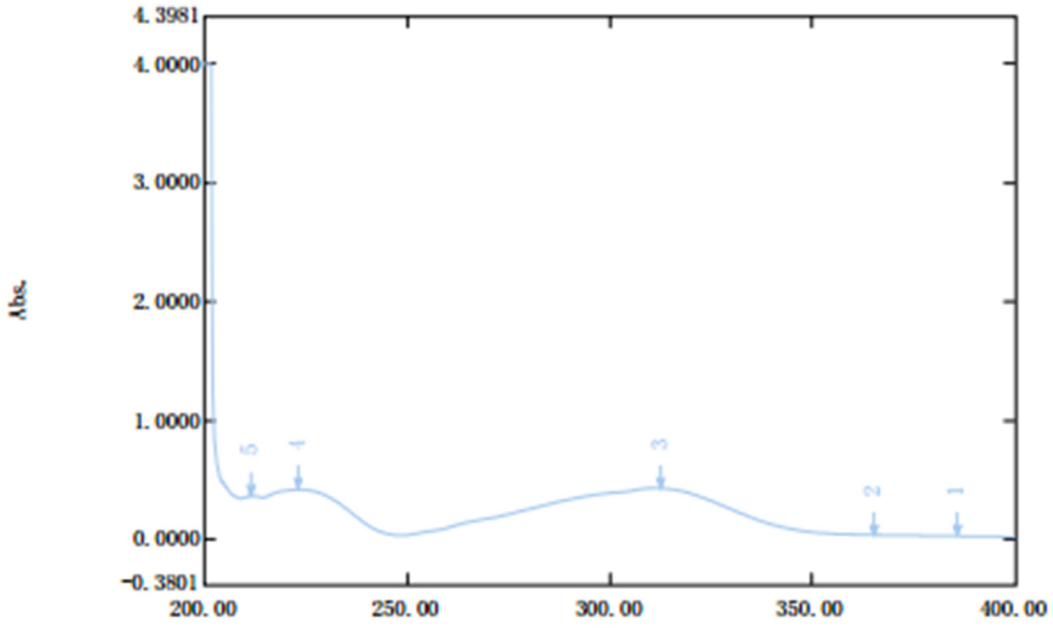
Supplementary Figure 29: CD spectrum of compound 5.



Supplementary Figure 30: CD spectrum of compound 6.



Supplementary Figure 31: HRESIMS data of 5 and 6.



测定属性
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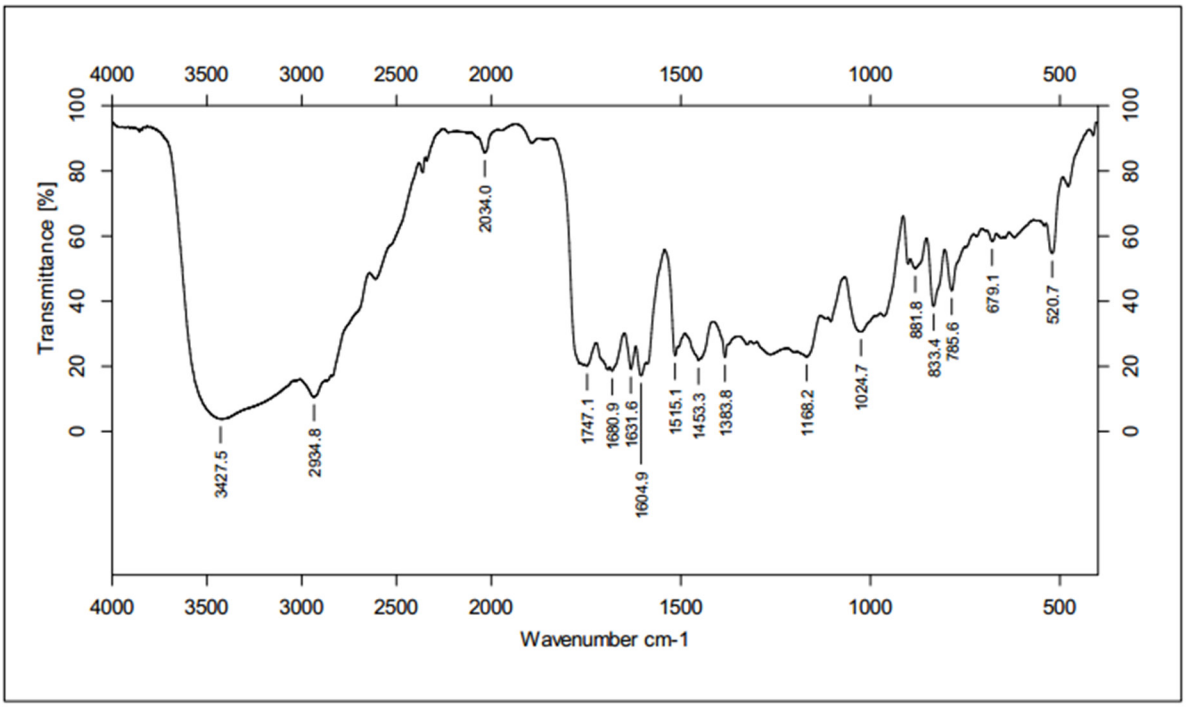
扫描速度： 中速
采样间隔： 0.2
自动采样间隔: 启用
扫描模式： 自动

试样准备属性
重量:
体积 :
稀释:
光程长:
附加信息:

No.	P/V	Wavelength	Abs.	描述
1	↑	386.00	.0255	
2	↑	365.40	.0348	
3	↑	312.60	.4294	
4	↑	223.20	.4175	
5	↑	211.40	.3634	
6	↓	364.60	.0342	
7	↓	248.20	.0298	
8	↓	214.20	.3484	
9	↓	208.80	.3409	

Supplementary Figure 32: UV spectrum of 5 and 6.



Sample : WM-E53444	Frequency Range : 3999.64 - 400.157	Measured on : 2015-3-24	
Technique : Sample form	Resolution : 2	Instrument : EQUINOX55	Sample Scans : 16
Customer : Default	Zerofilling : 2	Acquisition : Double Sided,For	

Supplementary Figure 33: IR spectrum of 5 and 6.