

Supplementary Materials

**Sesquiterpenoids from *Inula britannica* and Their Potential Effects
against Triple Negative Breast Cancer Cells**

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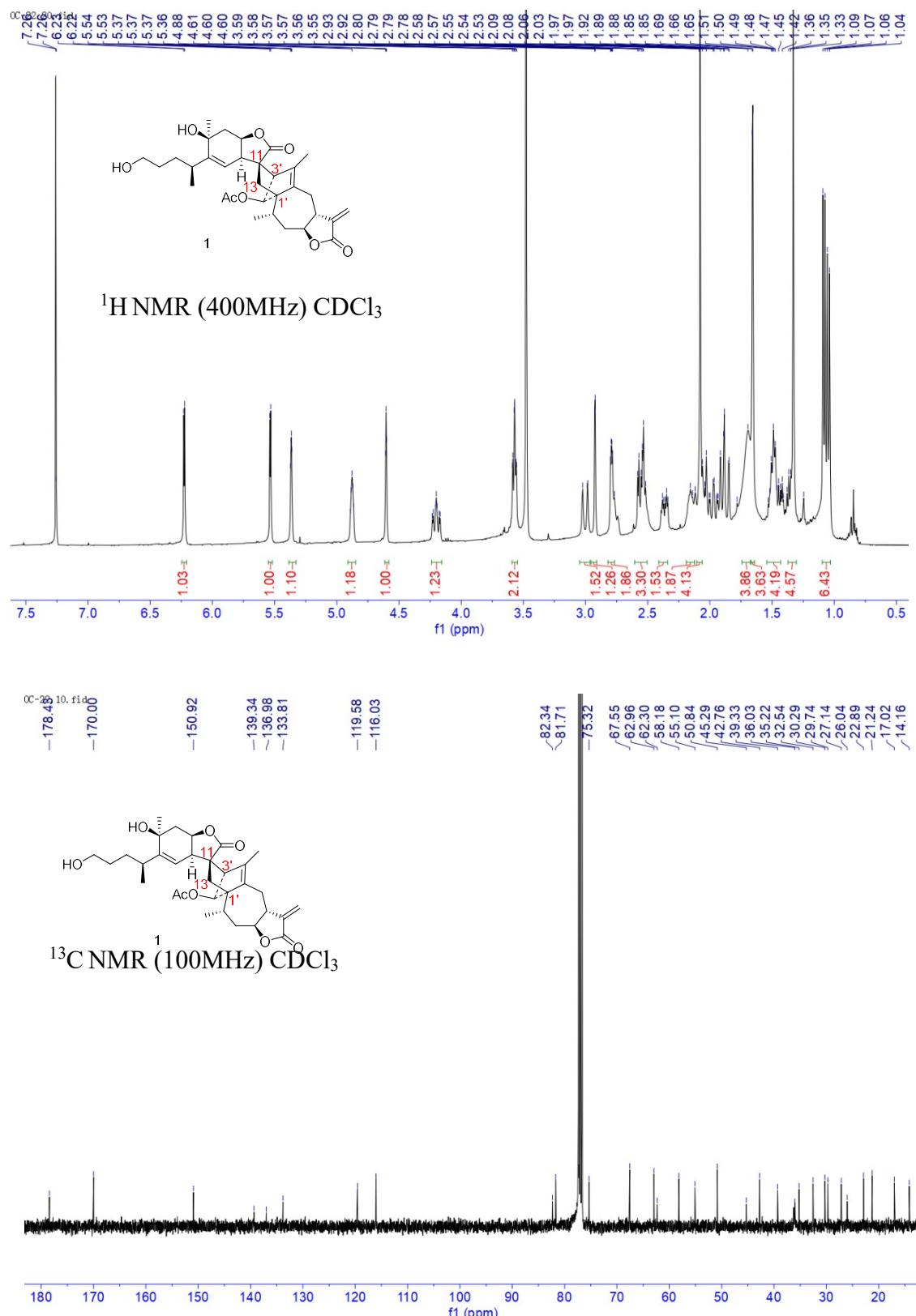
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Table S1. Crystal data and structure refinement for **4**.

Identification code	4
Empirical formula	C ₁₅ H ₂₀ O ₄
Formula weight	264.31
Temperature/K	149.96(10)
Crystal system	orthorhombic
Space group	P2 ₁ 2 ₁ 2 ₁
a/Å	9.55914(9)
b/Å	10.00802(10)
c/Å	13.83442(15)
α/°	90
β/°	90
γ/°	90
Volume/Å ³	1323.51(2)
Z	4
ρ _{calcd} /cm ³	1.326
μ/mm ⁻¹	0.779
F(000)	568.0
Crystal size/mm ³	0.22 × 0.16 × 0.05
Radiation	Cu Kα ($\lambda = 1.54184$)
2Θ range for data collection/°	10.912 to 154.8
Index ranges	-9 ≤ h ≤ 11, -12 ≤ k ≤ 12, -17 ≤ l ≤ 16
Reflections collected	7356
Independent reflections	2626 [R _{int} = 0.0173, R _{sigma} = 0.0153]
Data/restraints/parameters	2626/0/183
Goodness-of-fit on F ²	1.010
Final R indexes [I>=2σ (I)]	R ₁ = 0.0301, wR ₂ = 0.1041
Final R indexes [all data]	R ₁ = 0.0303, wR ₂ = 0.1044
Largest diff. peak/hole / e Å ⁻³	0.19/-0.17
Flack parameter	-0.04(5)

Spectral data for isolates 1–8:

Figure S1. ^1H , ^{13}C NMR, HSQC, HMBC and ^1H - ^1H COSY (CDCl_3) spectra of **1**.



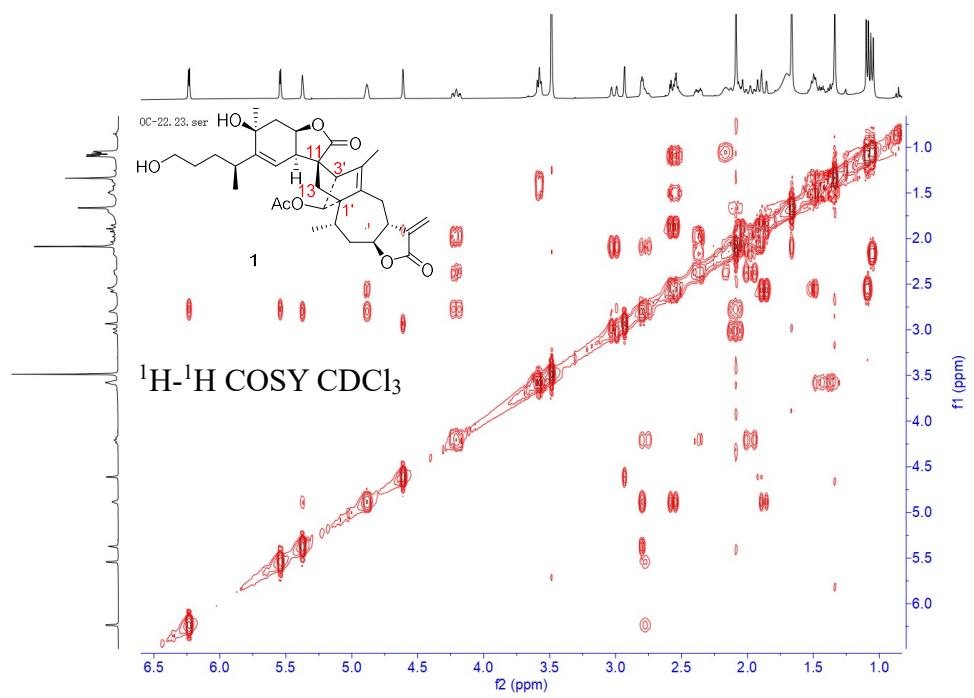
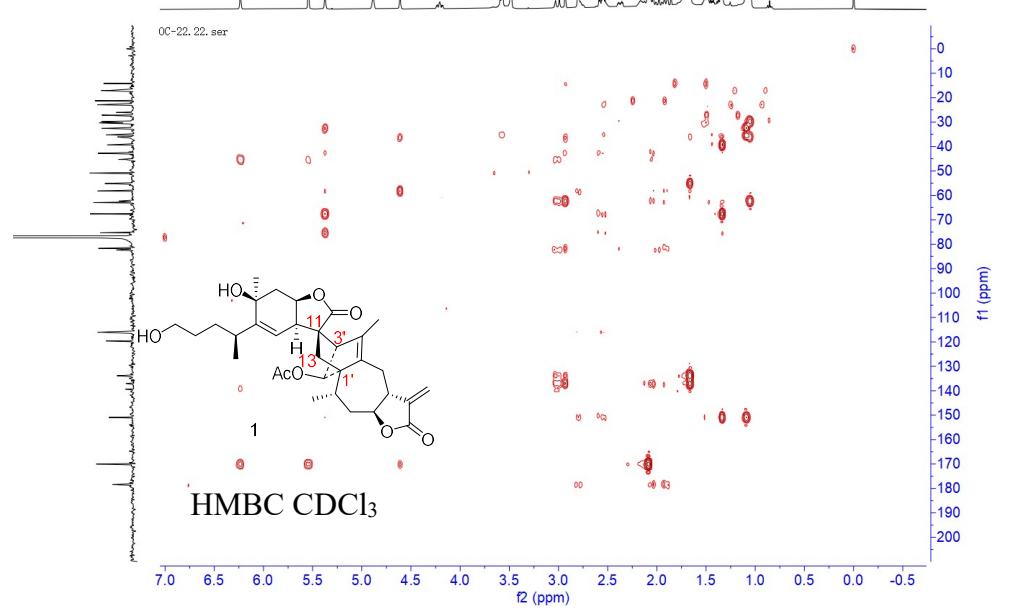
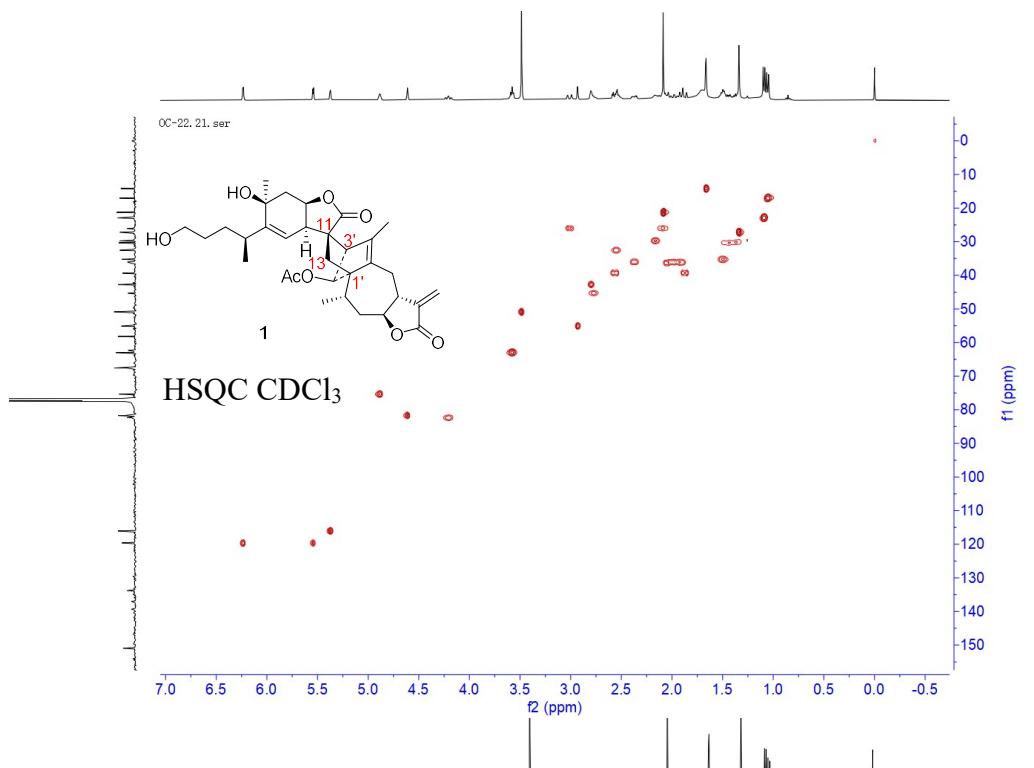
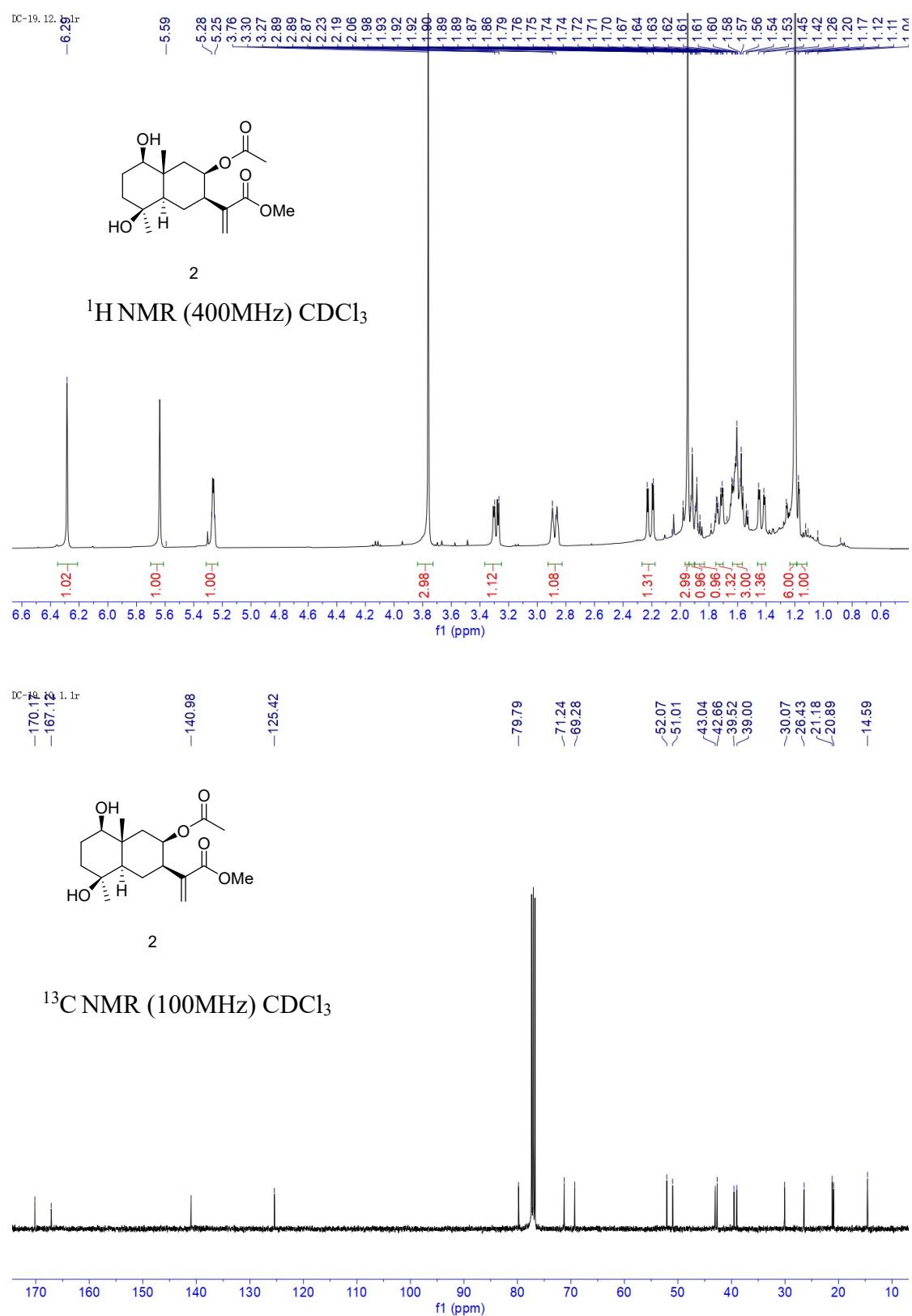


Figure S2. ^1H , ^{13}C , DEPT, HSQC and $^1\text{H}-^1\text{H}$ COSY NMR (CDCl_3) spectra of 2.



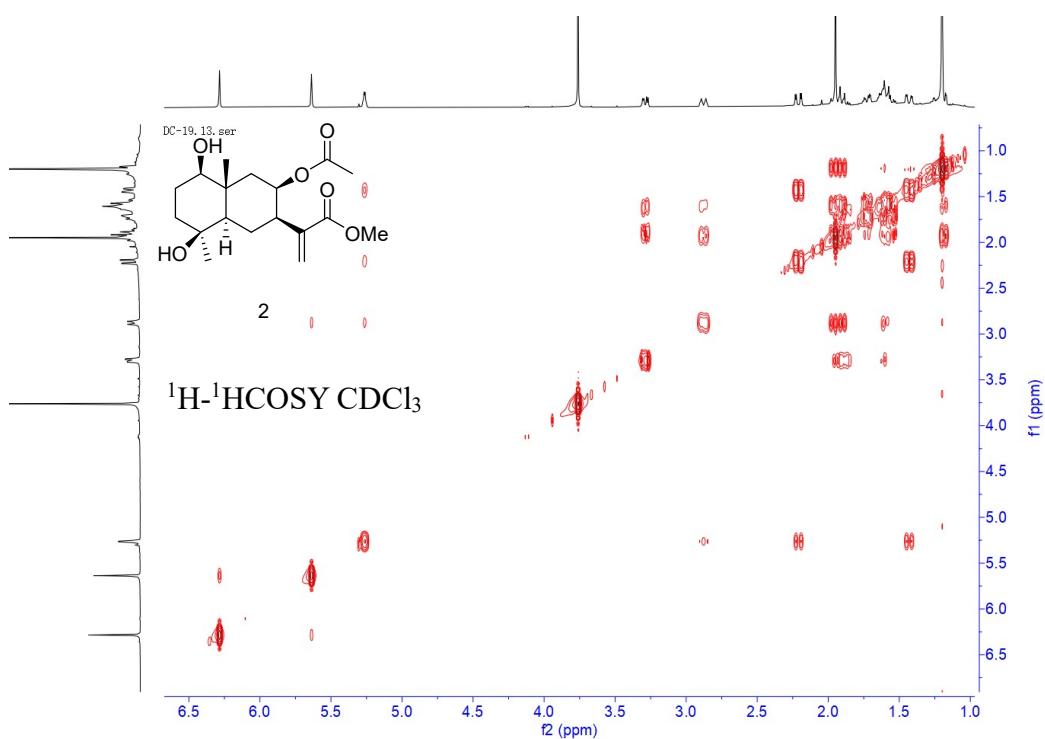
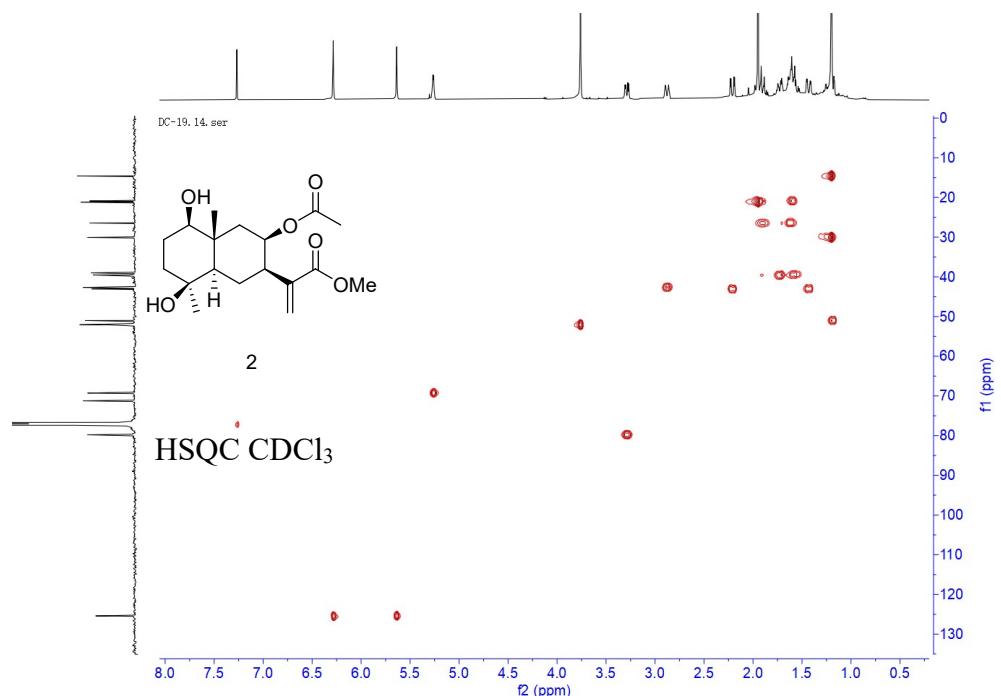
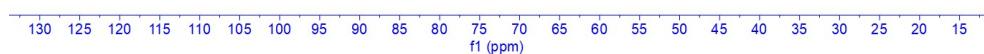
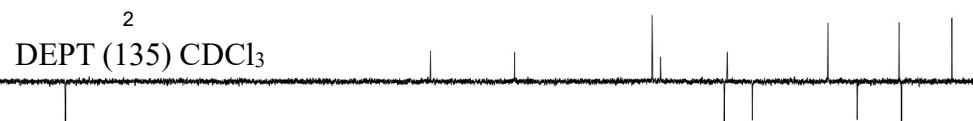
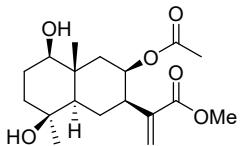
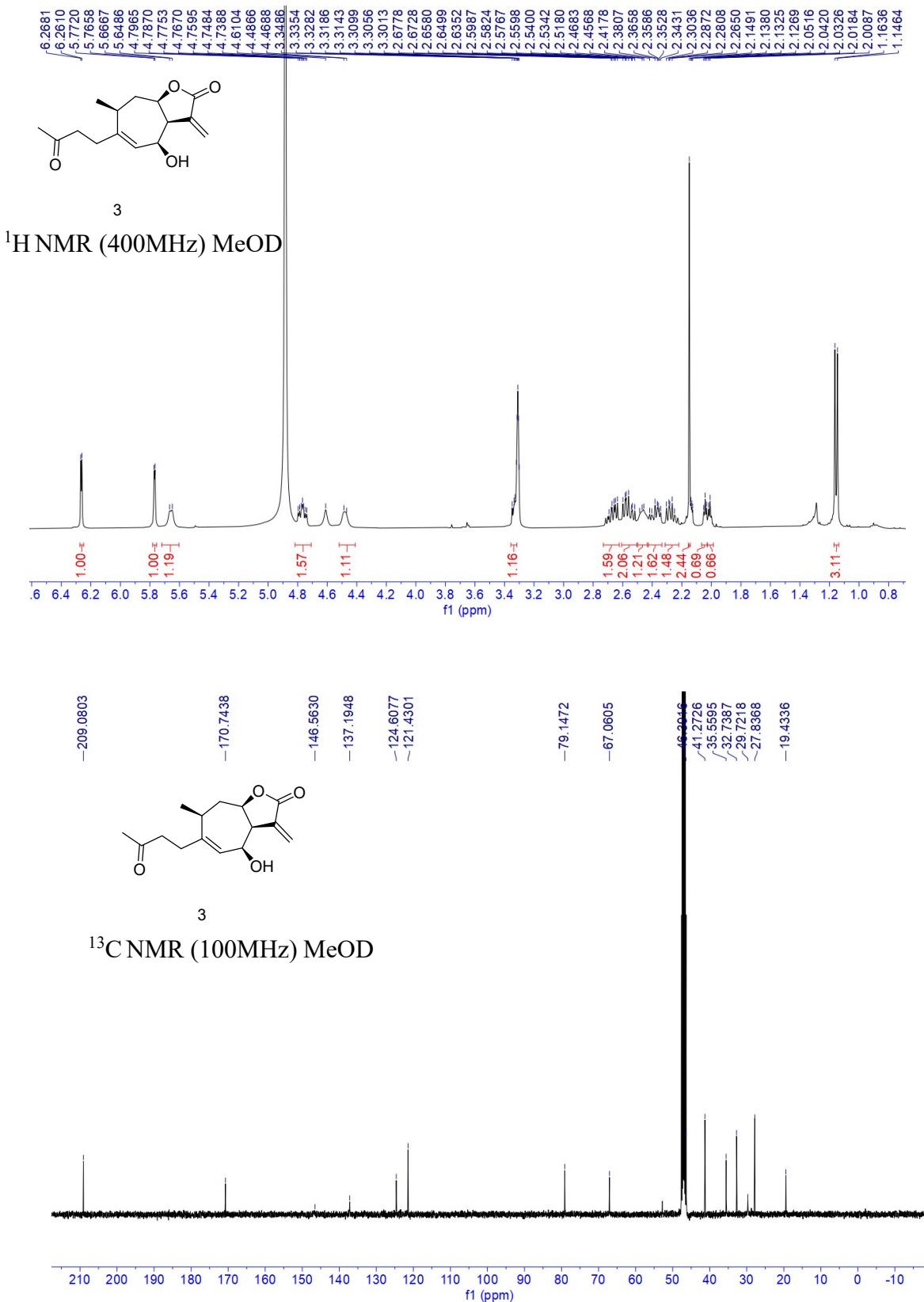


Figure S3. ^1H , ^{13}C , DEPT, HSQC and HMBC NMR (MeOD) spectra of **3**



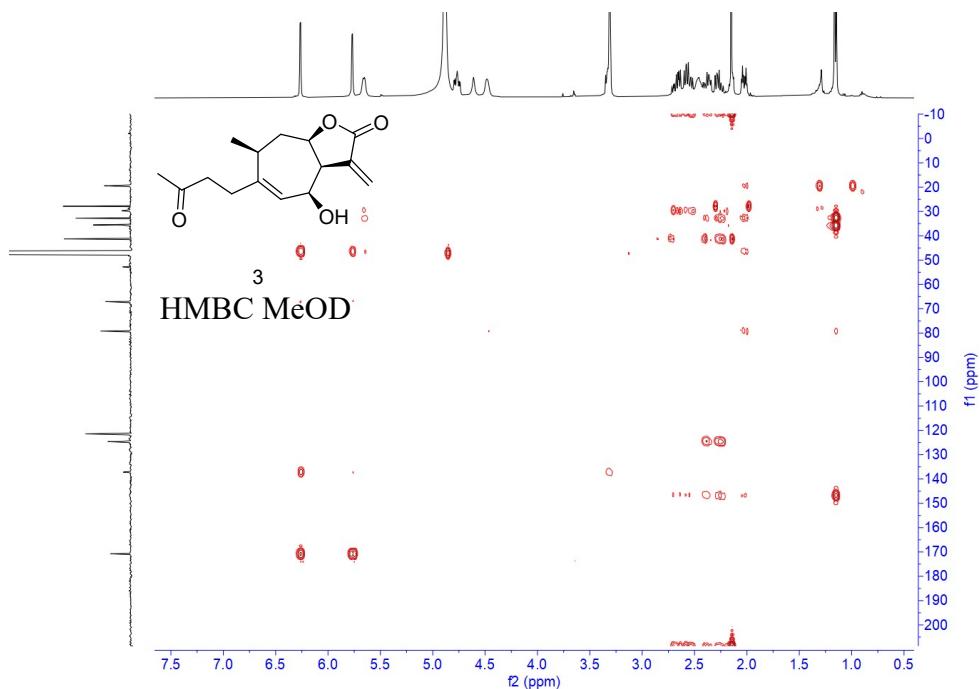
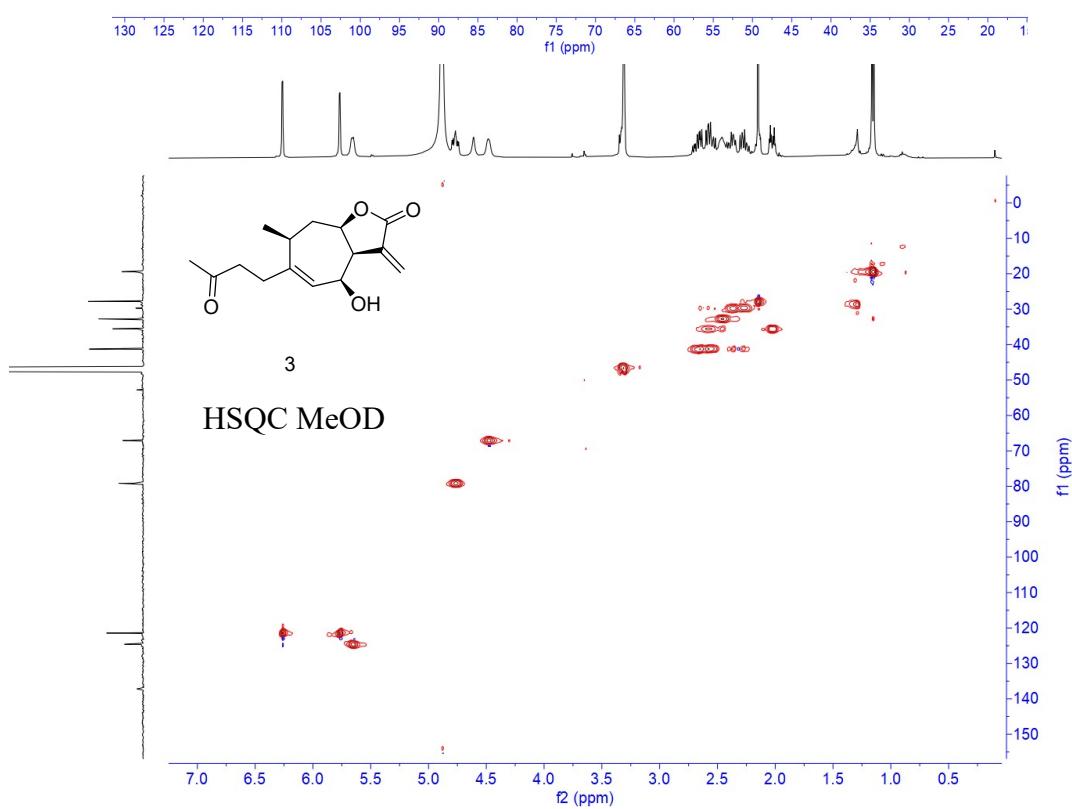
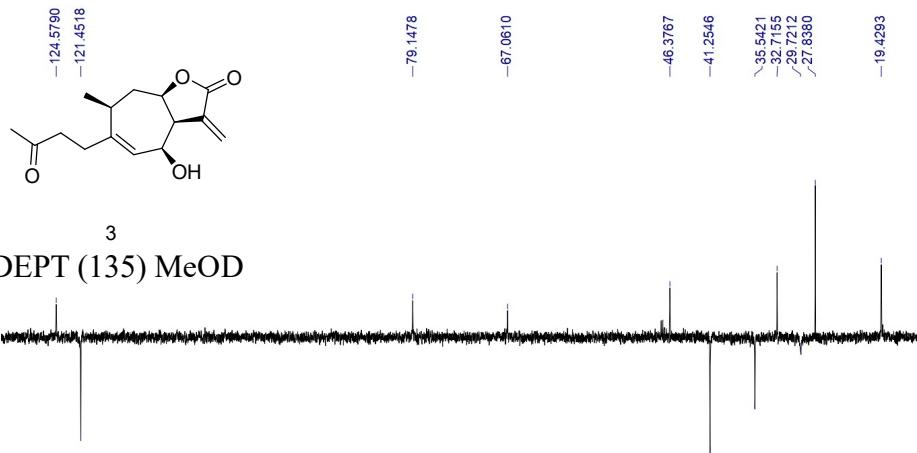
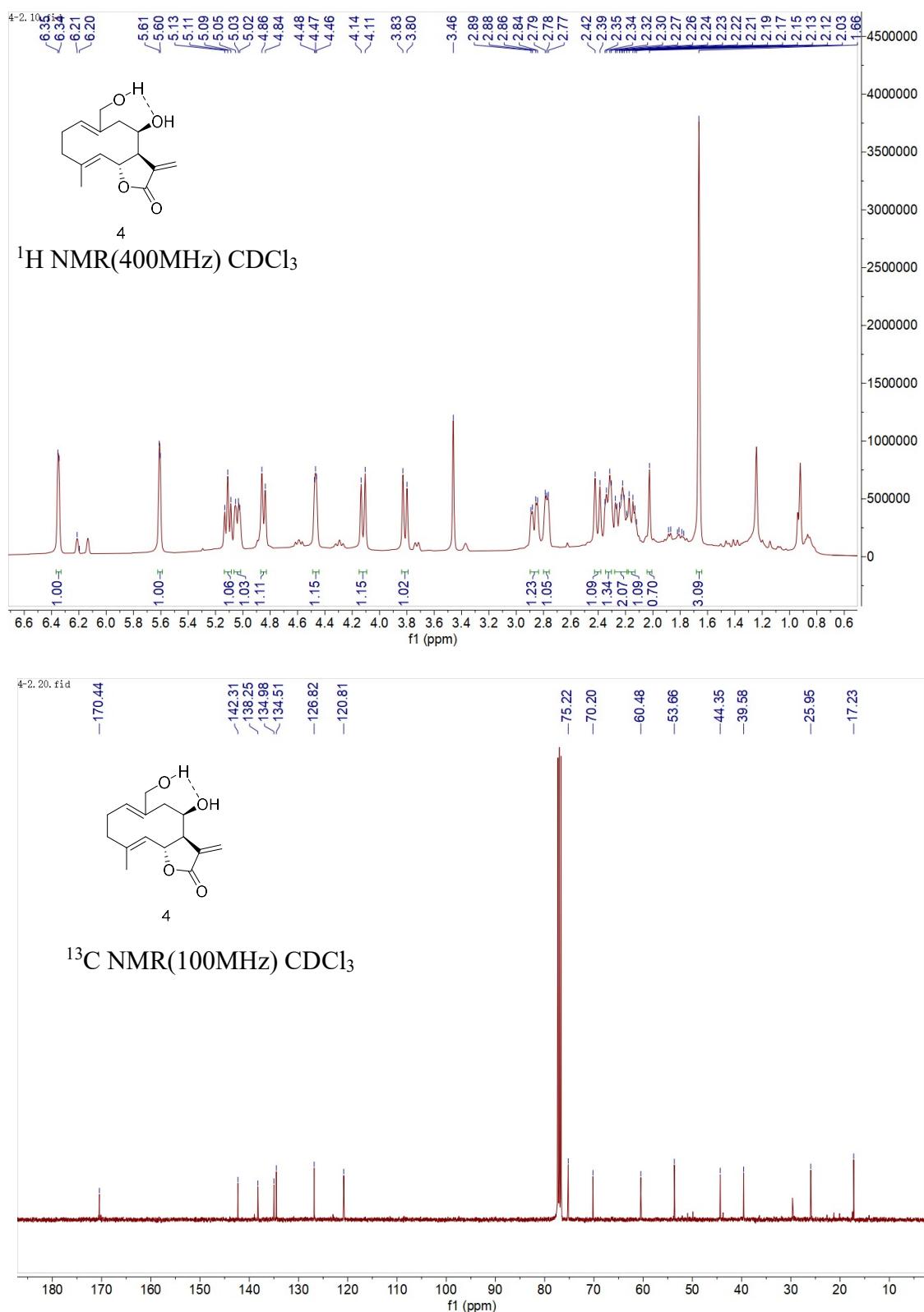
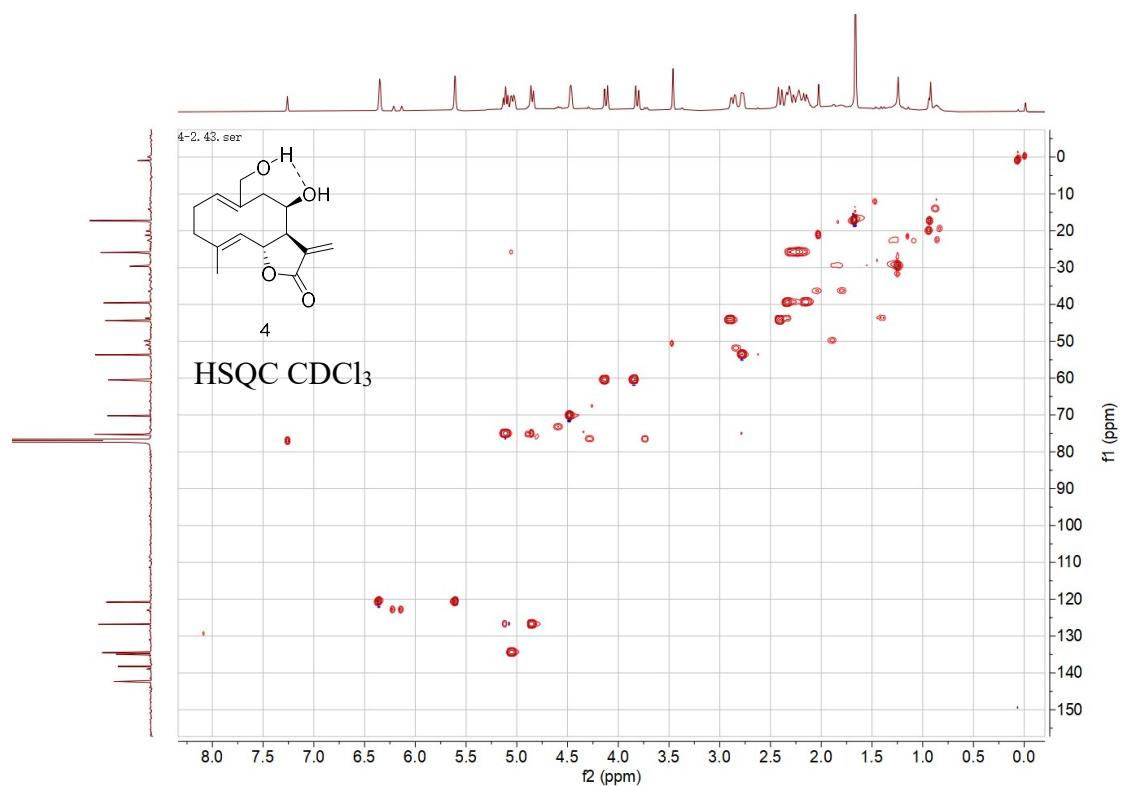
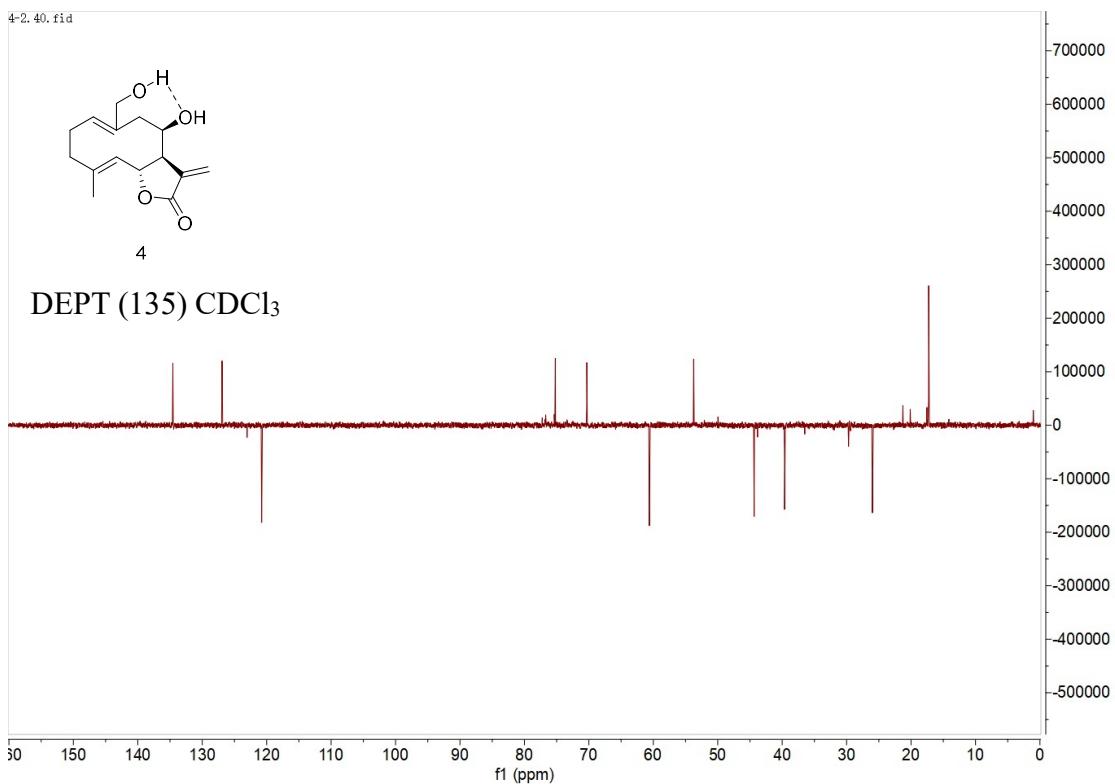


Figure S4. ^1H , ^{13}C , DEPT, HSQC, HMBC and ^1H - ^1H COSY (CDCl_3) spectra of **4**





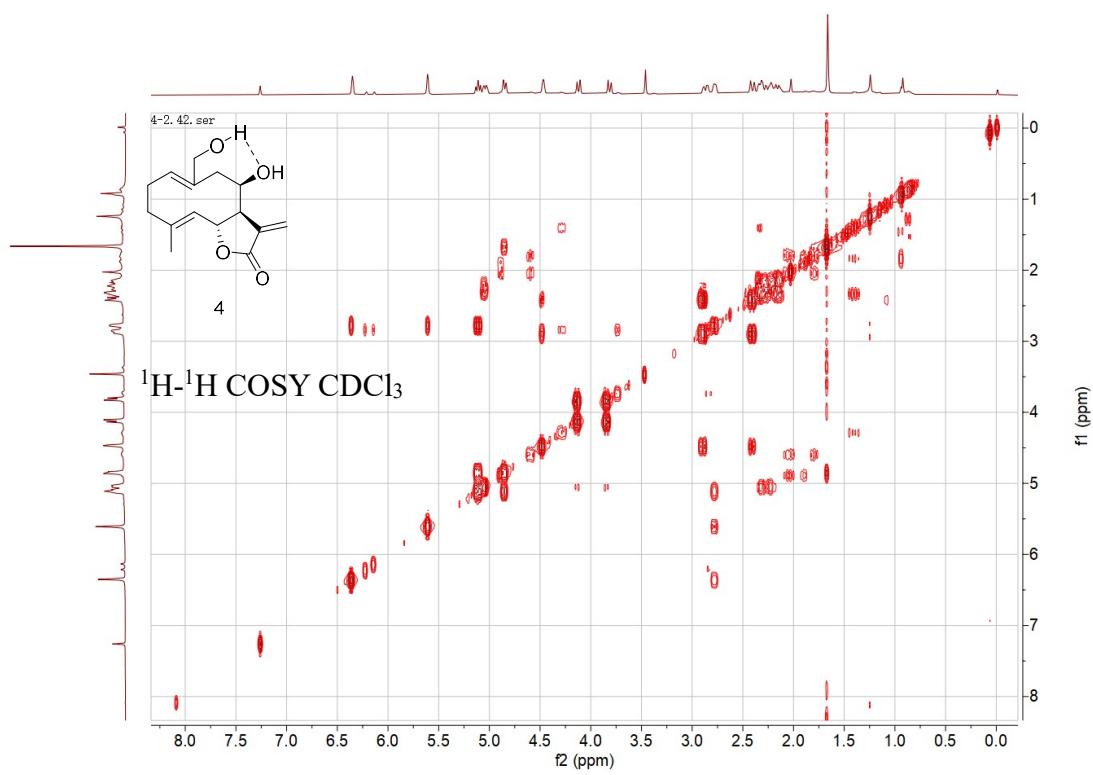
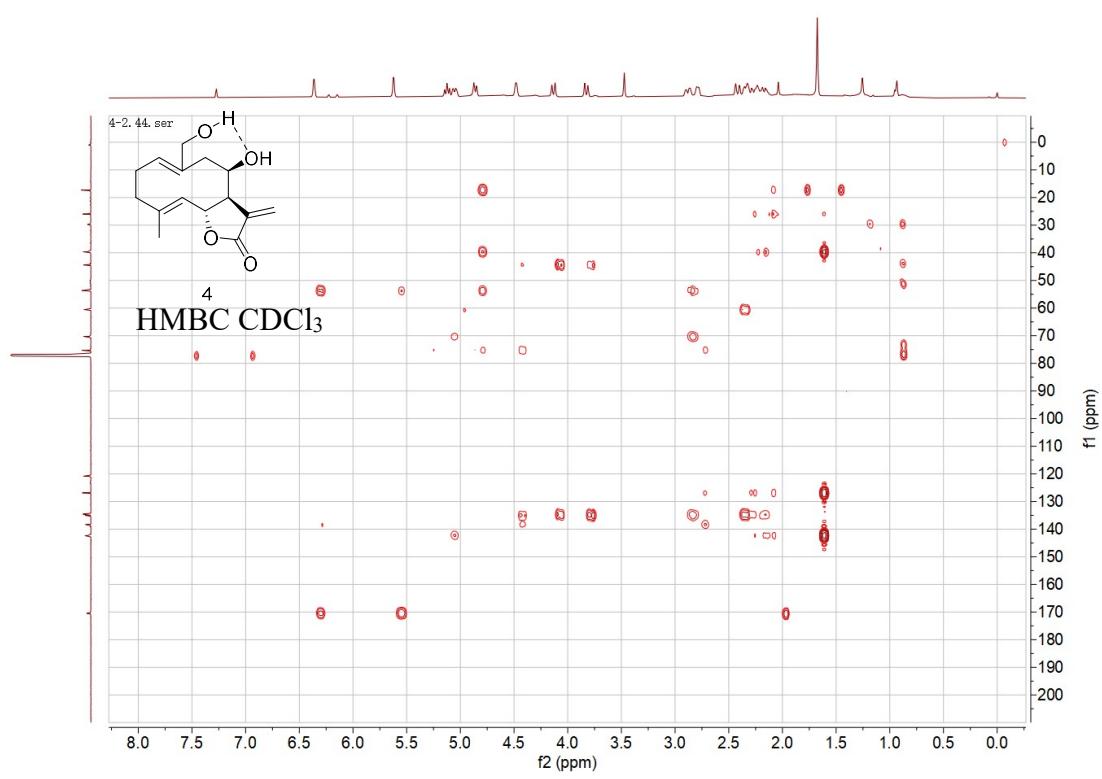
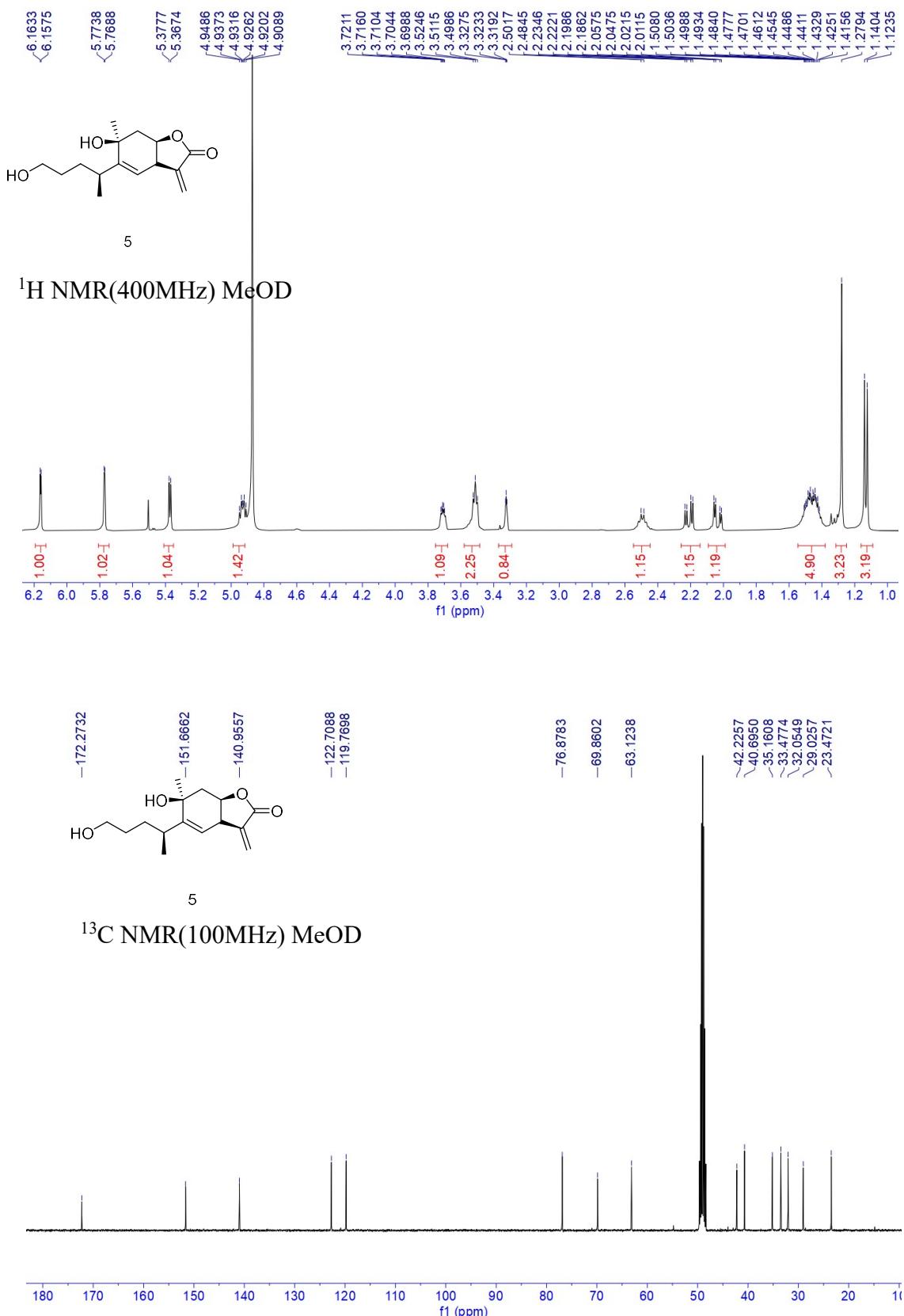


Figure S5. ^1H , ^{13}C , HSQC, HMBC and ^1H - ^1H COSY NMR (MeOD) spectra of **5**



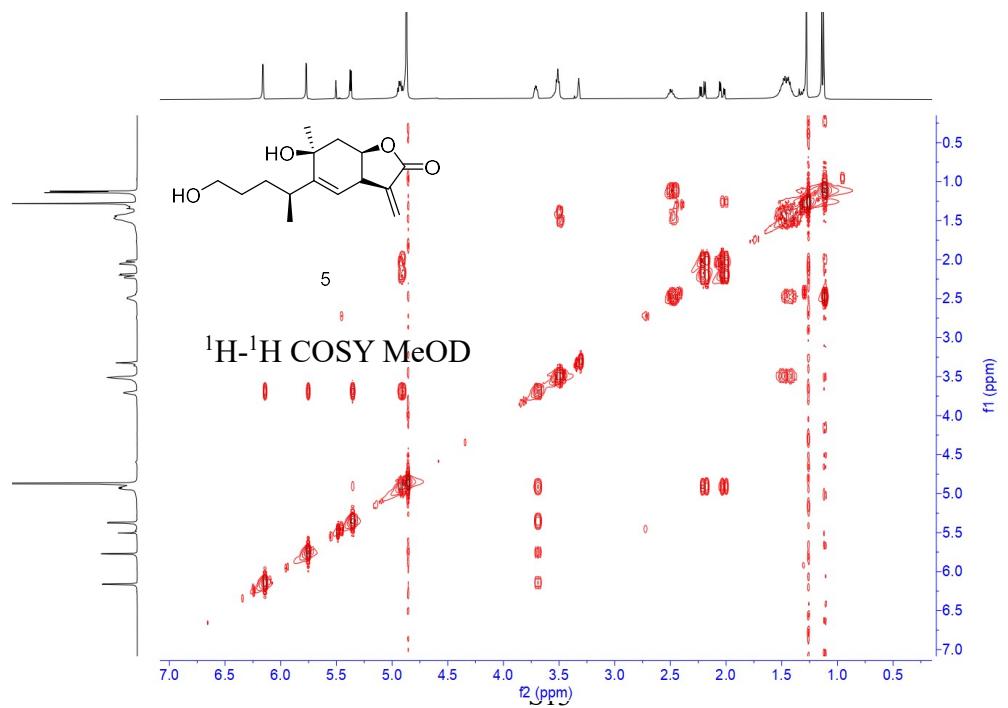
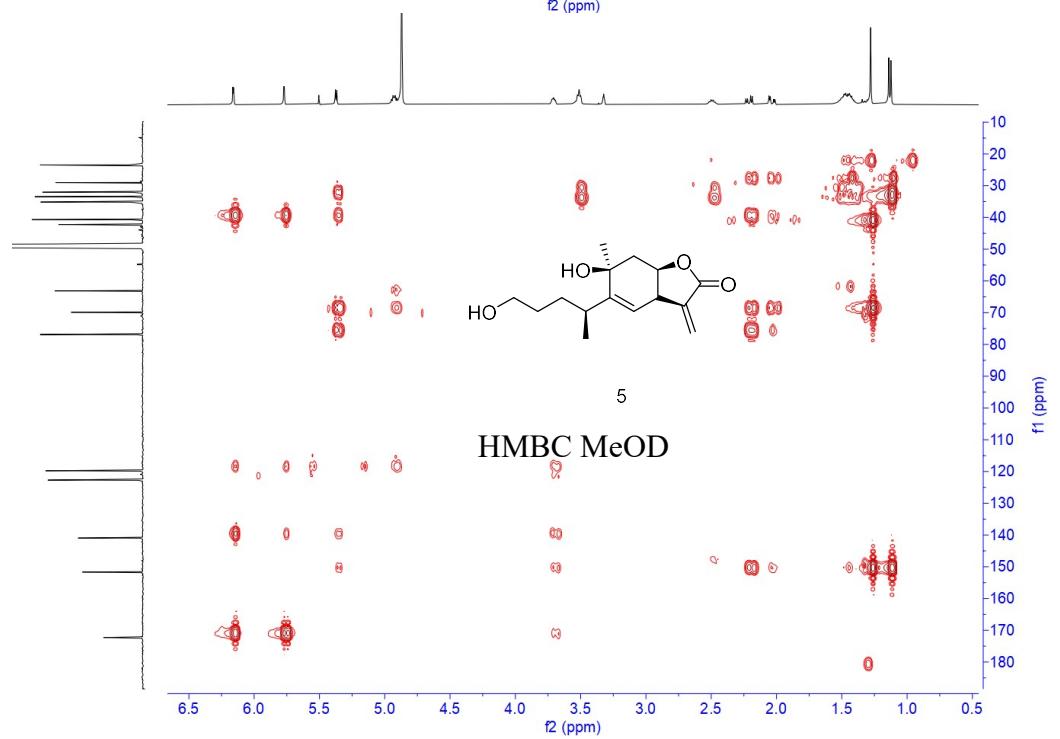
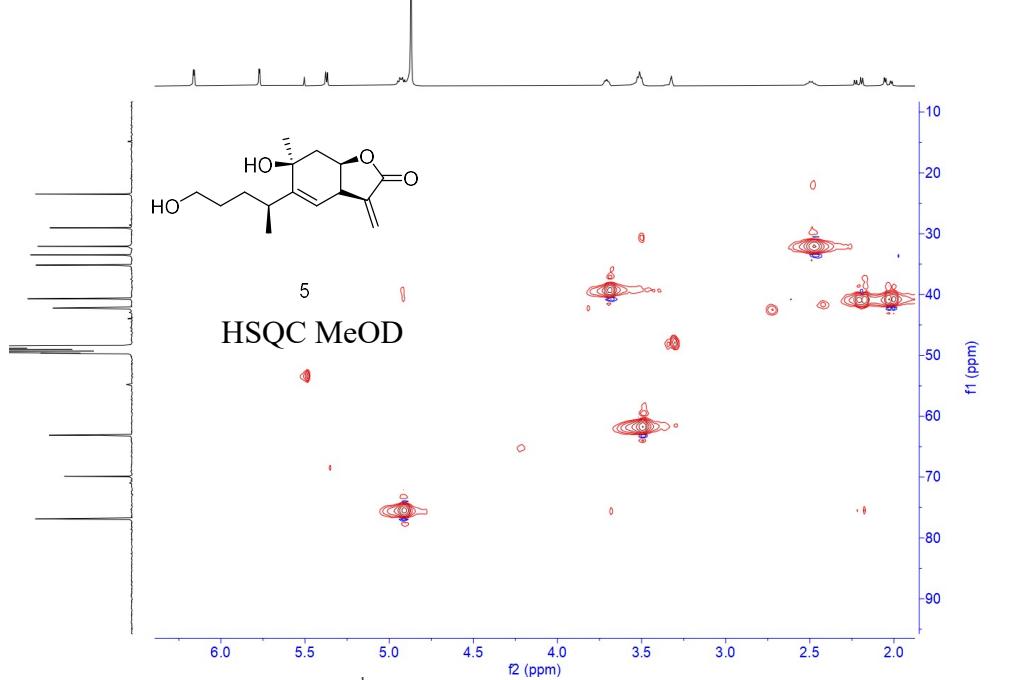
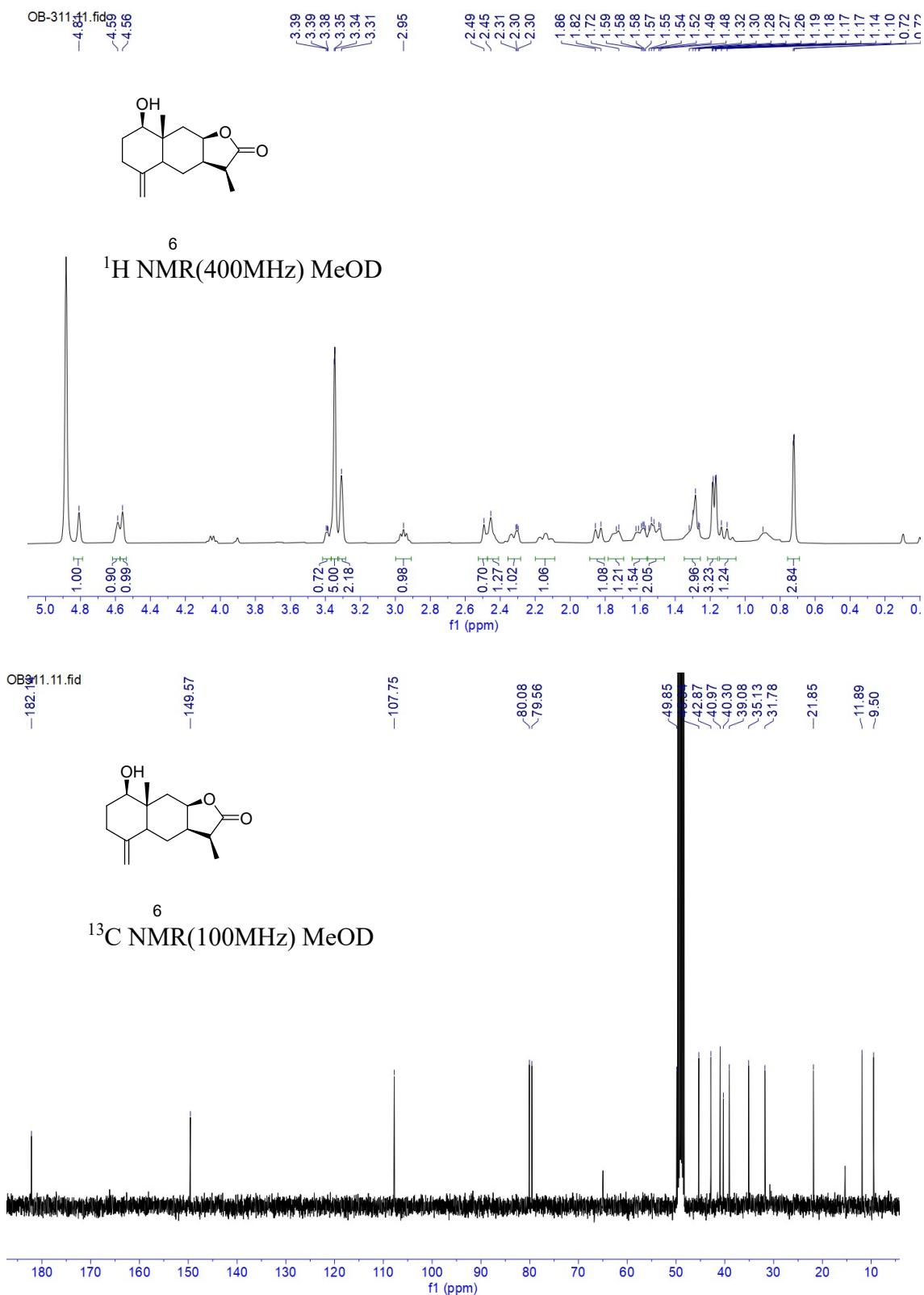
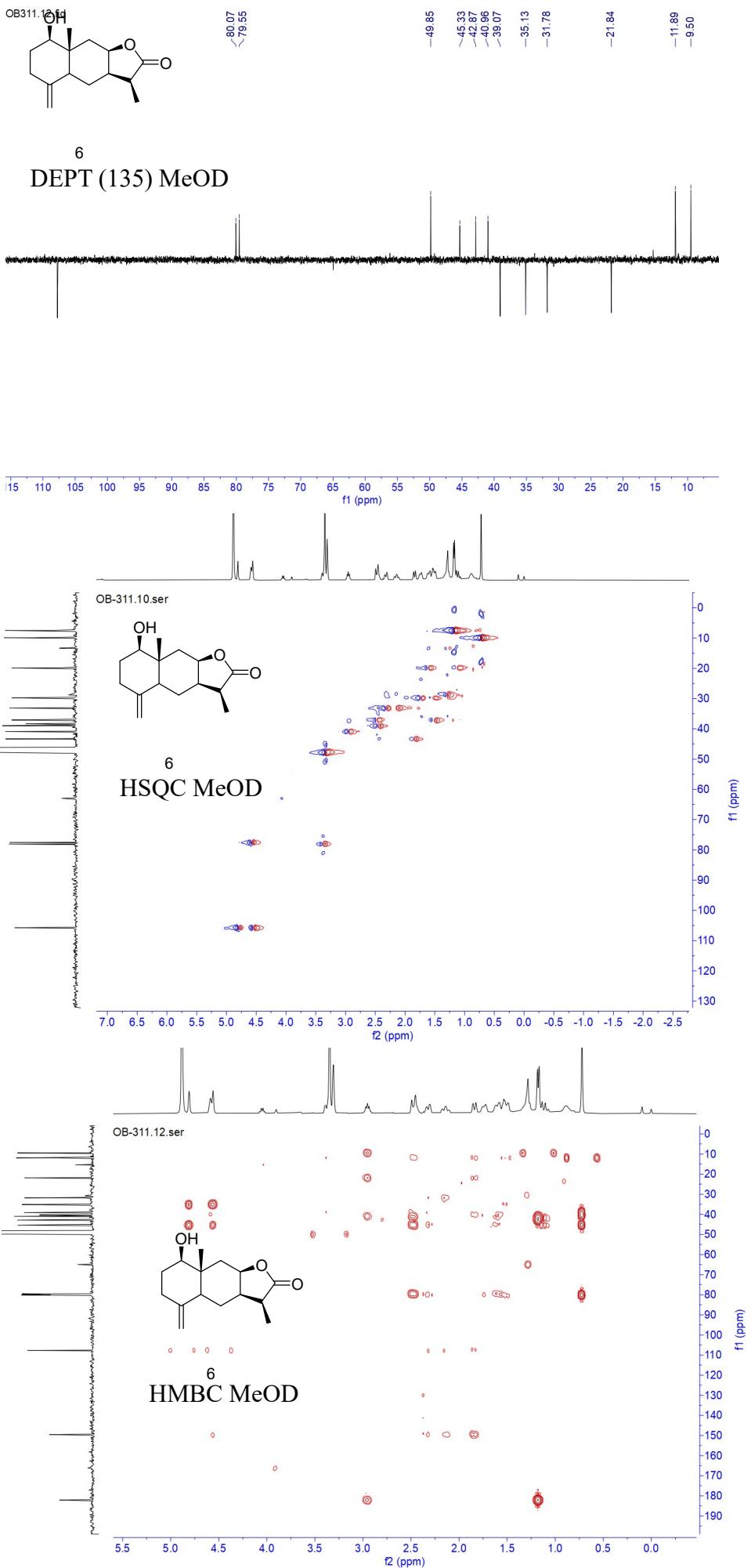


Figure S6. ^1H , ^{13}C , HSQC, HMBC, ^1H - ^1H COSY and NOE (MeOD) spectra of **6**





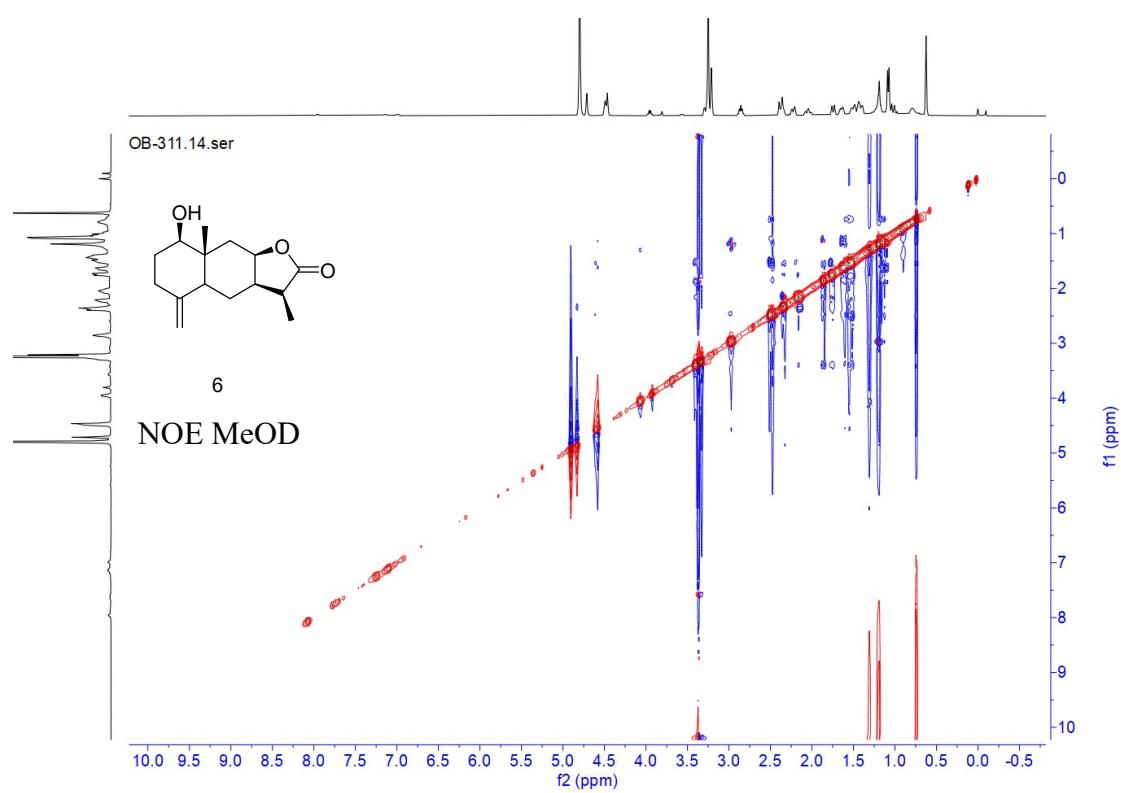
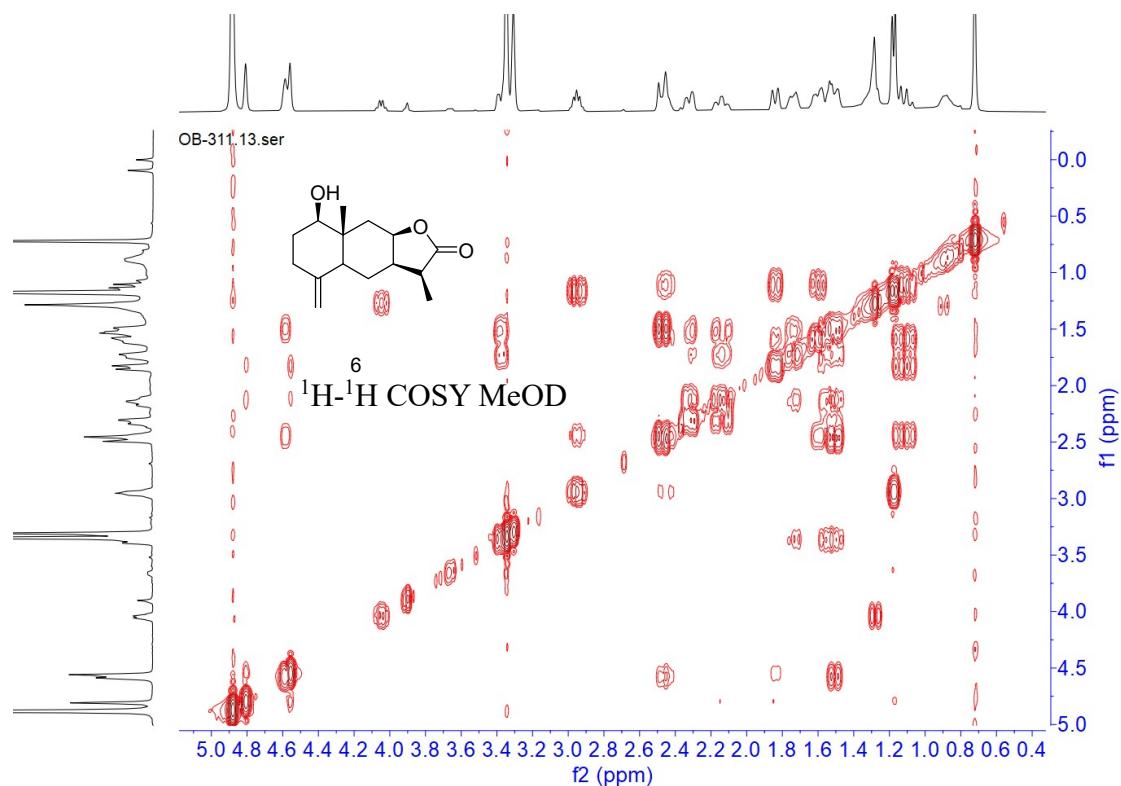
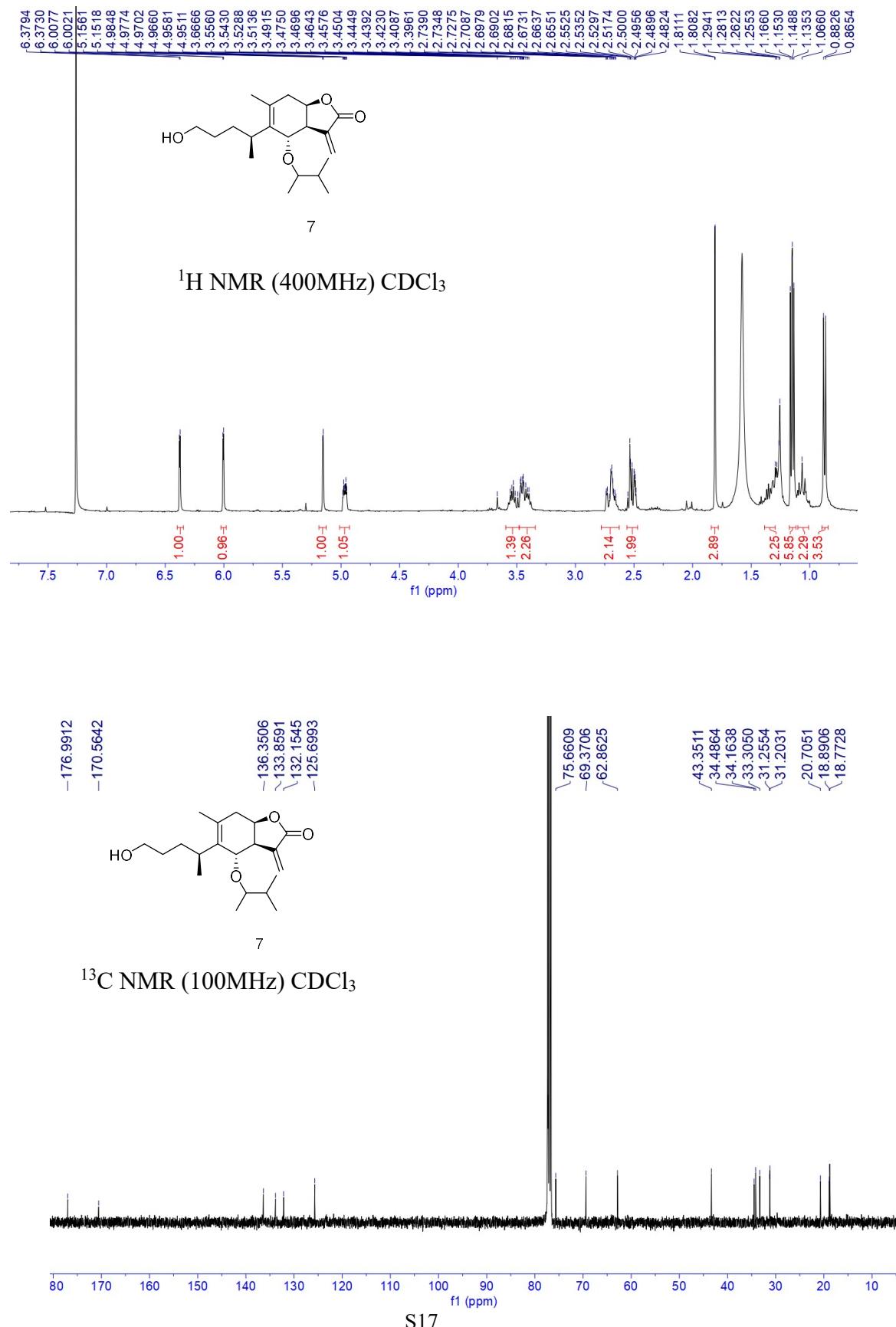
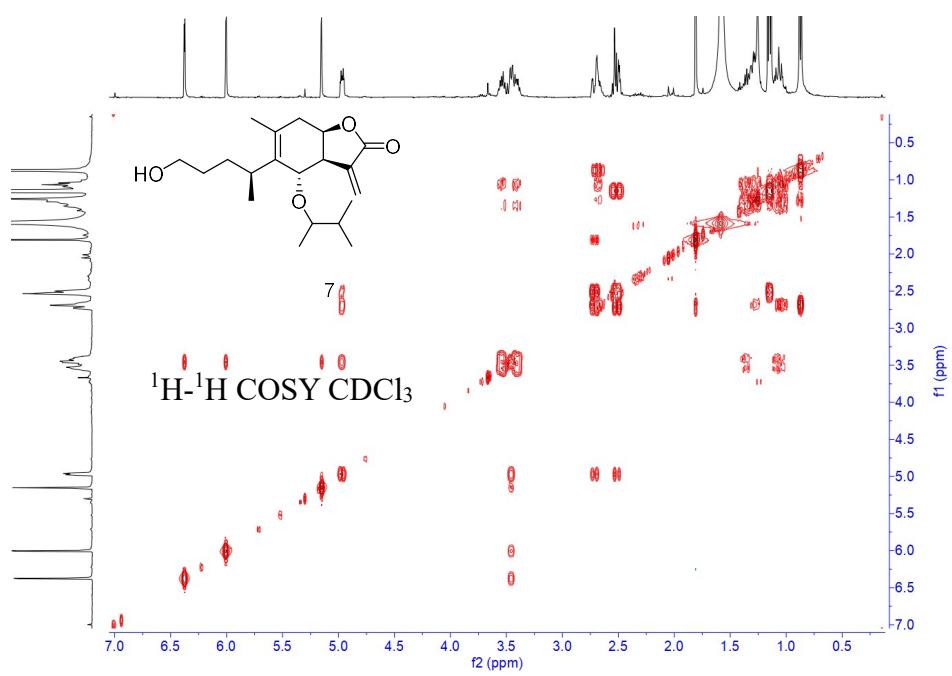
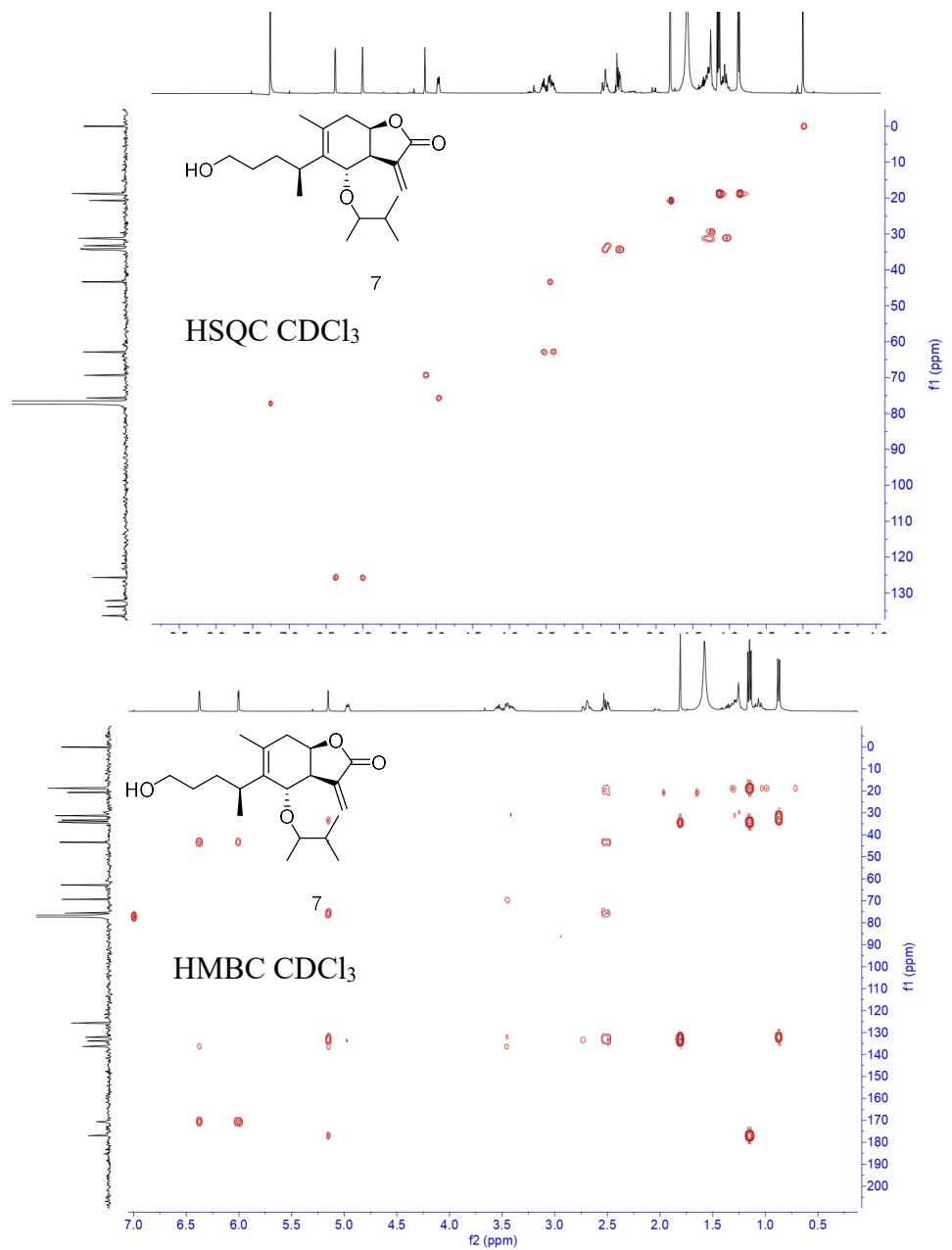
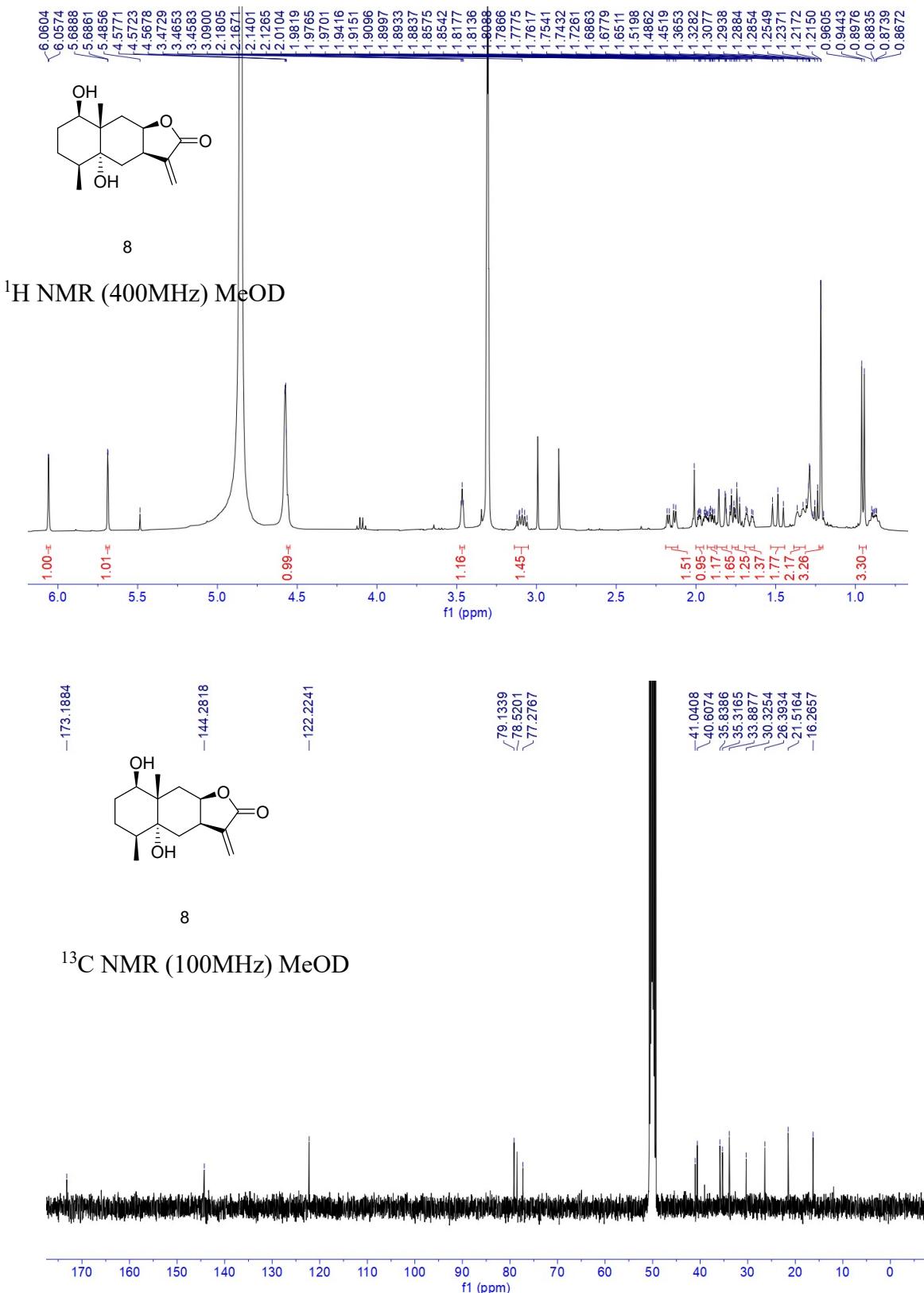


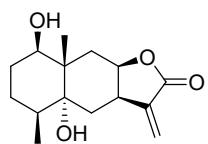
Figure S7. ^1H , ^{13}C , HSQC, HMBC and ^1H - ^1H COSY NMR (CDCl_3) spectra of **7**





FigureS8. ^1H , ^{13}C , HSQC, HMBC and ^1H - ^1H COSY NMR (MeOD) spectra of **8**





8

DEPT (135) MeOD

