Supporting Information

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Eupatorione A, an Unusual Sesquiterpenoid from the Aerial Parts of *Eupatorium adenophorum*

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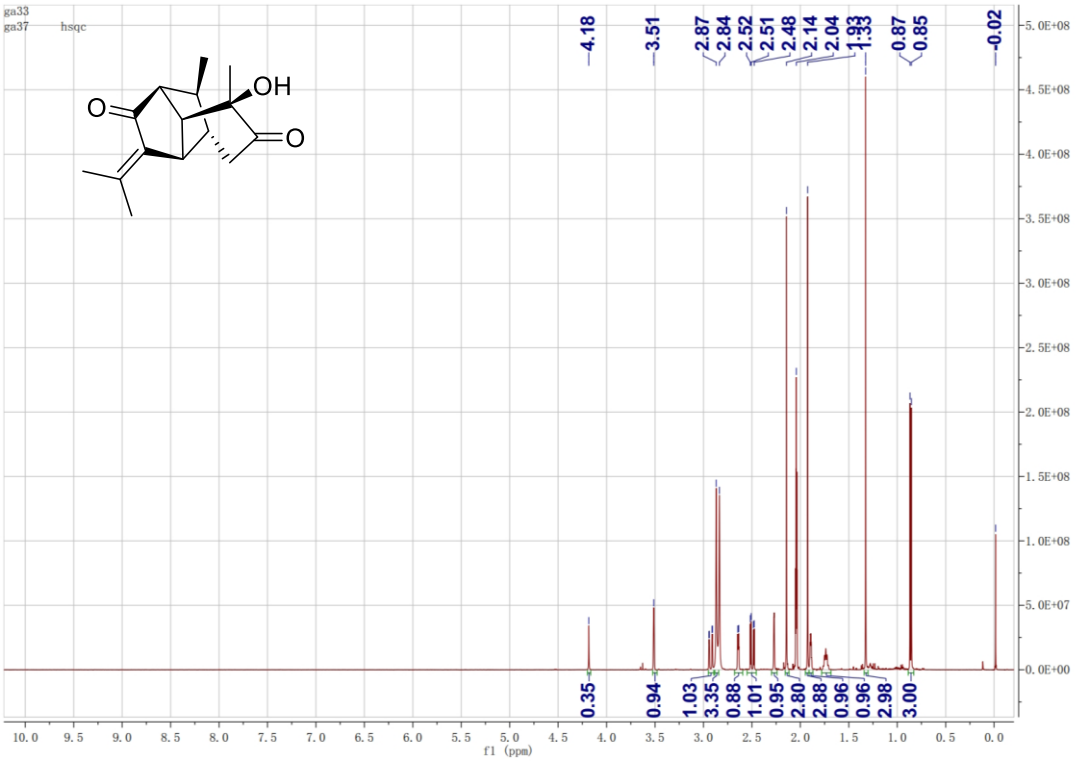

Figure S1 : ^{1}H NMR spectrum of compound **1** in CD_3COCD_3 (600 MHz)

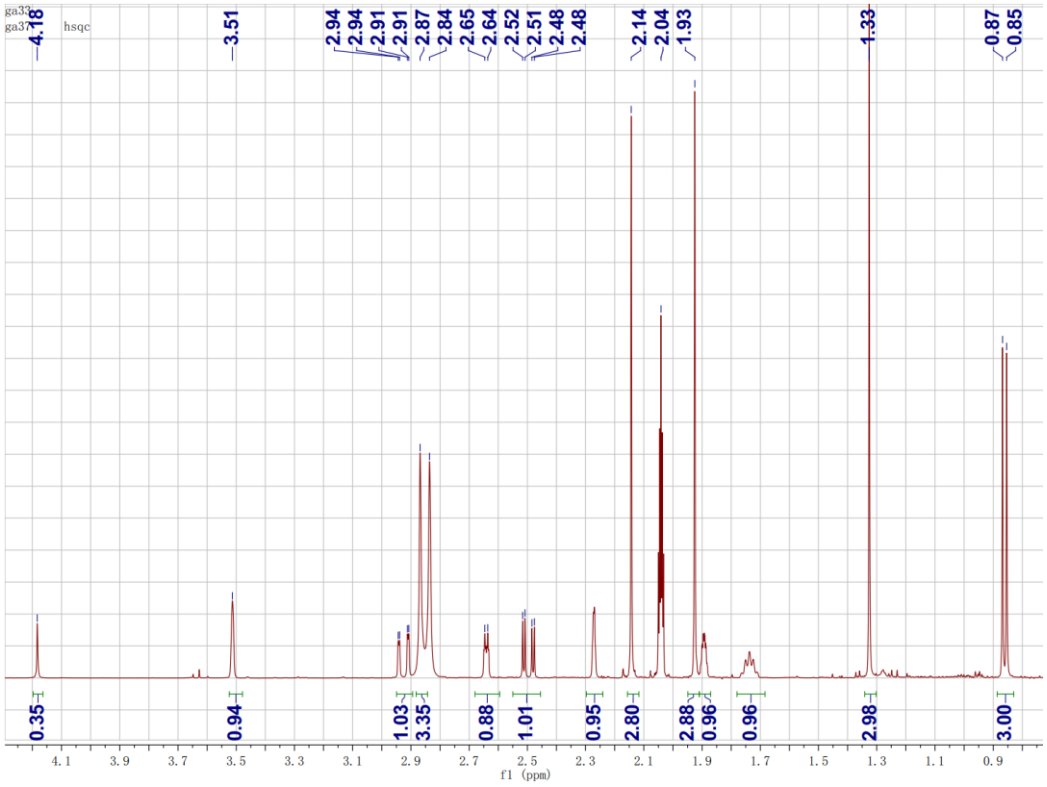

Figure S2 : Enlarge ^{1}H NMR spectrum of compound **1** in CD_3COCD_3 (600 MHz)

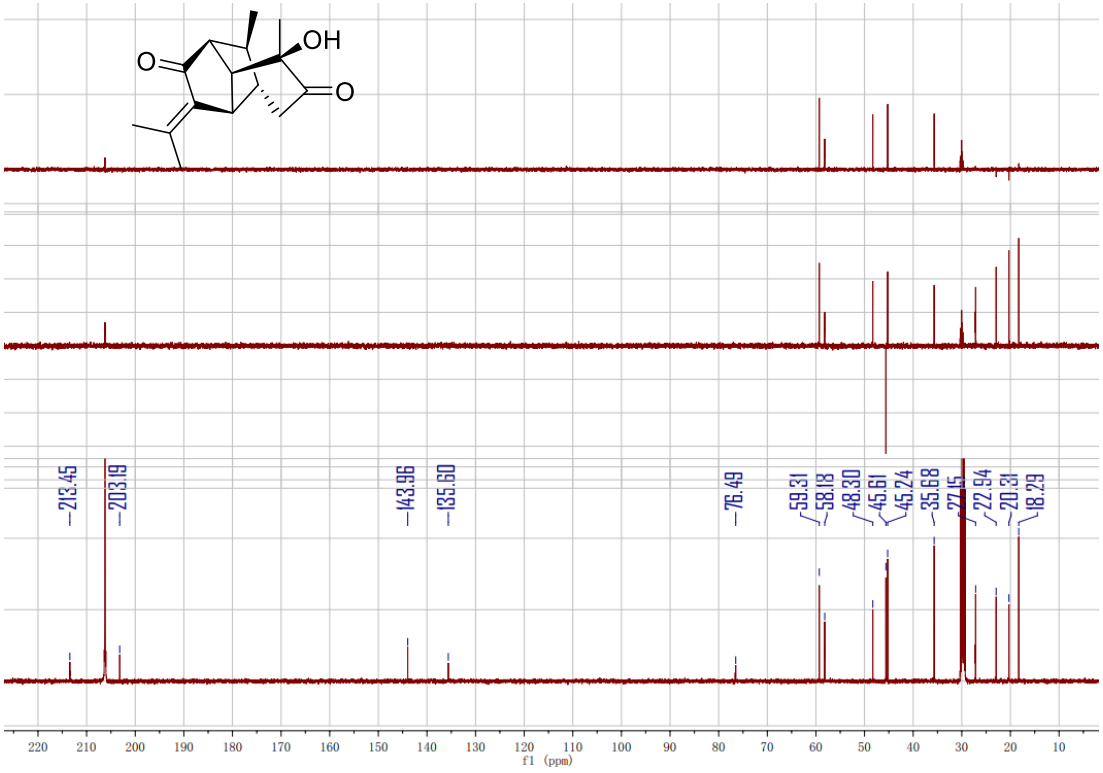

Figure S3 : ^{13}C NMR spectrum of compound **1** in CD_3COCD_3 (150 MHz)

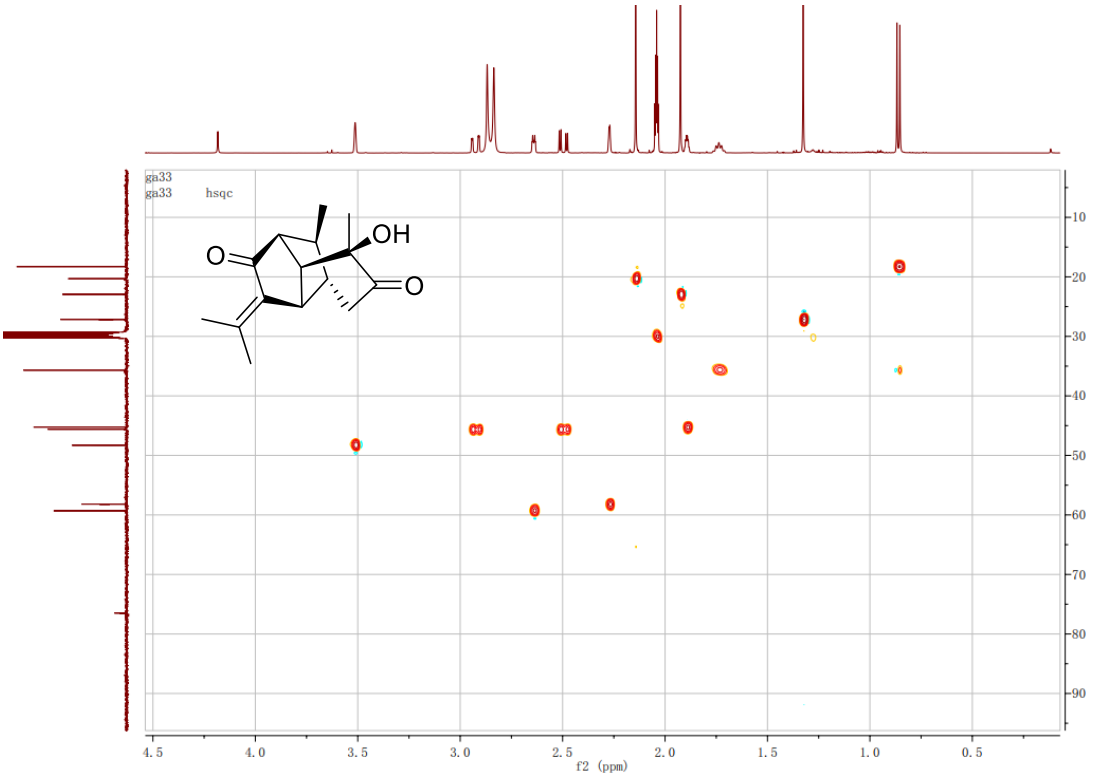

Figure S4 : HSQC spectrum of compound **1** in CD_3COCD_3 (600 MHz)

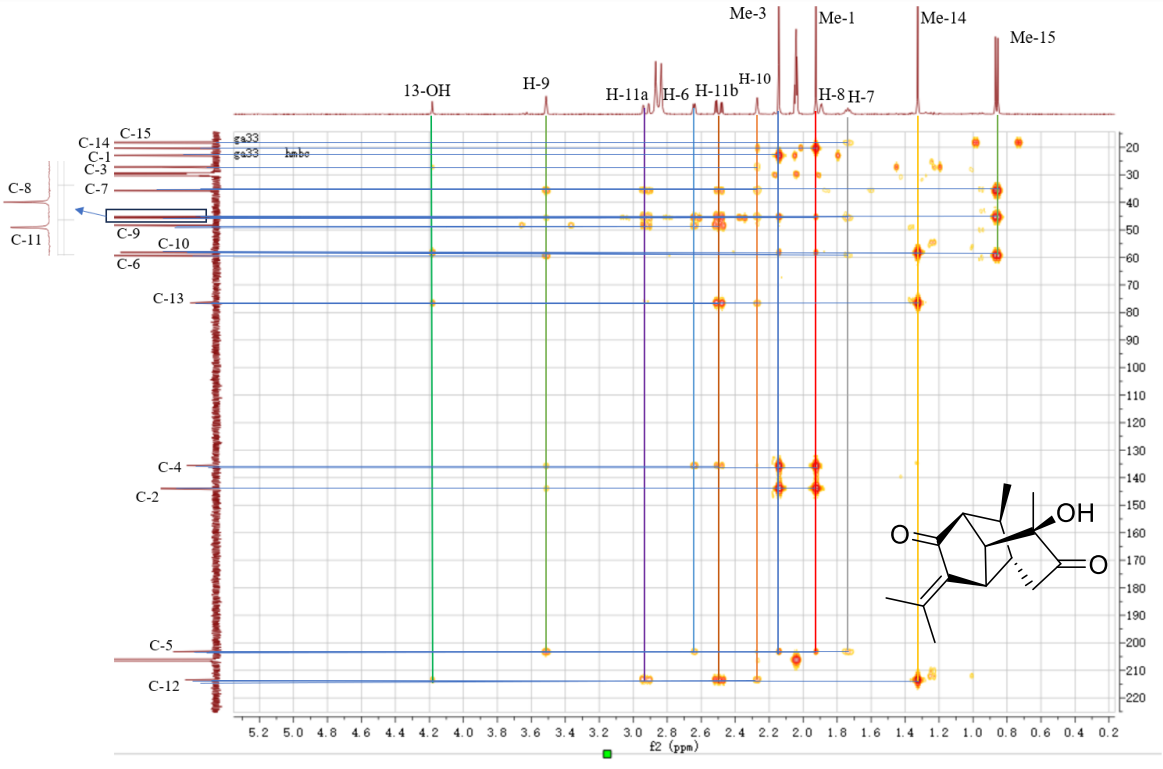

Figure S5 : HMBC spectrum of compound **1** in CD_3COCD_3 (600 MHz)

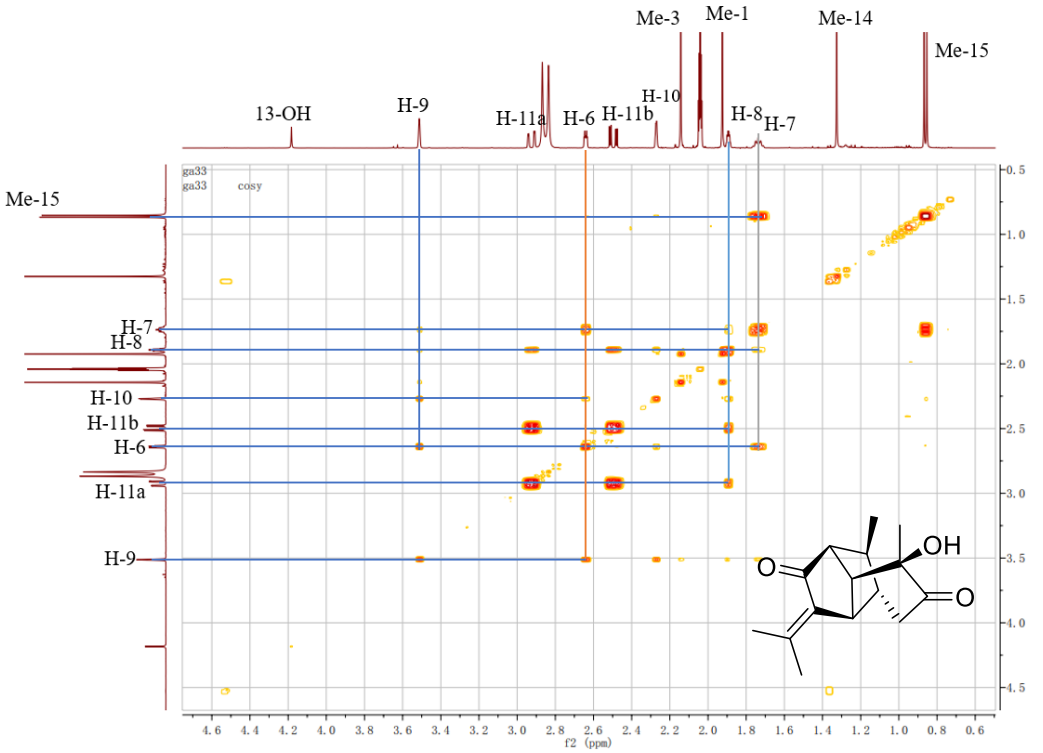

Figure S6 : ^{1}H- ^{1}H COSY spectrum of compound **1** in CD_3COCD_3 (600 MHz)

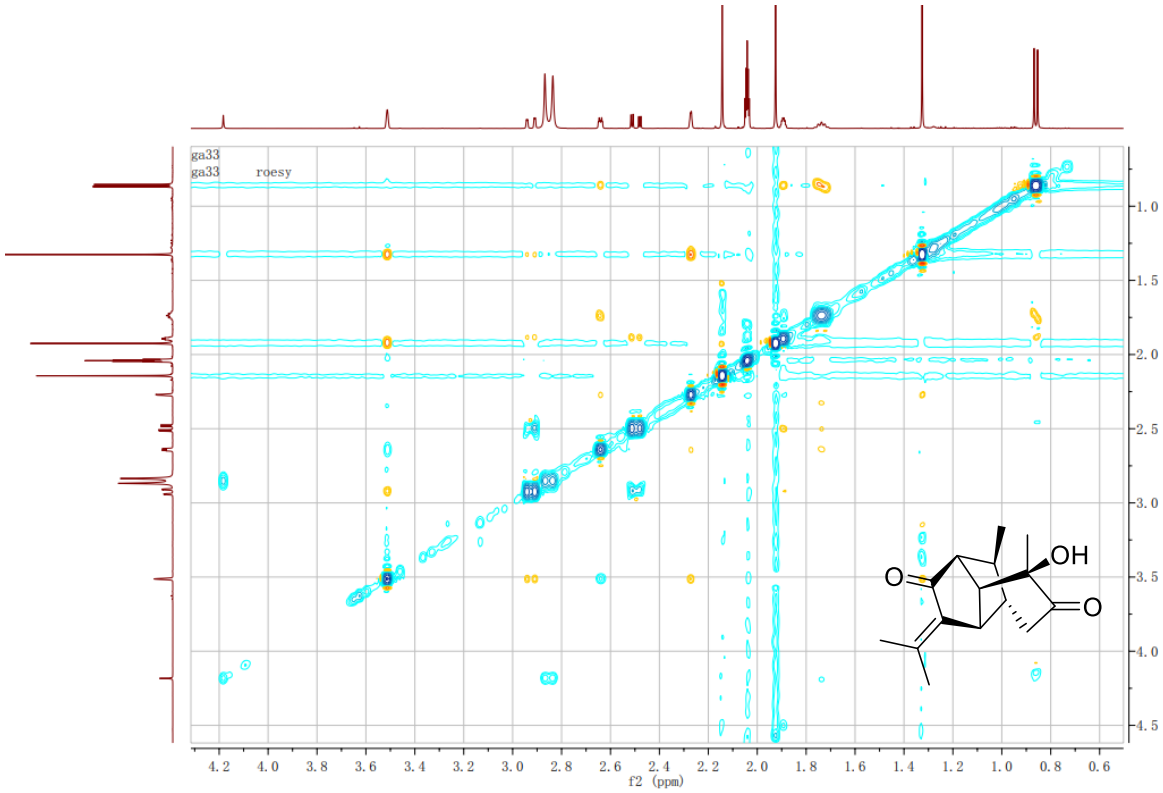

Figure S7 : ROESY spectrum of compound **1** in CD_3COCD_3 (600 MHz)

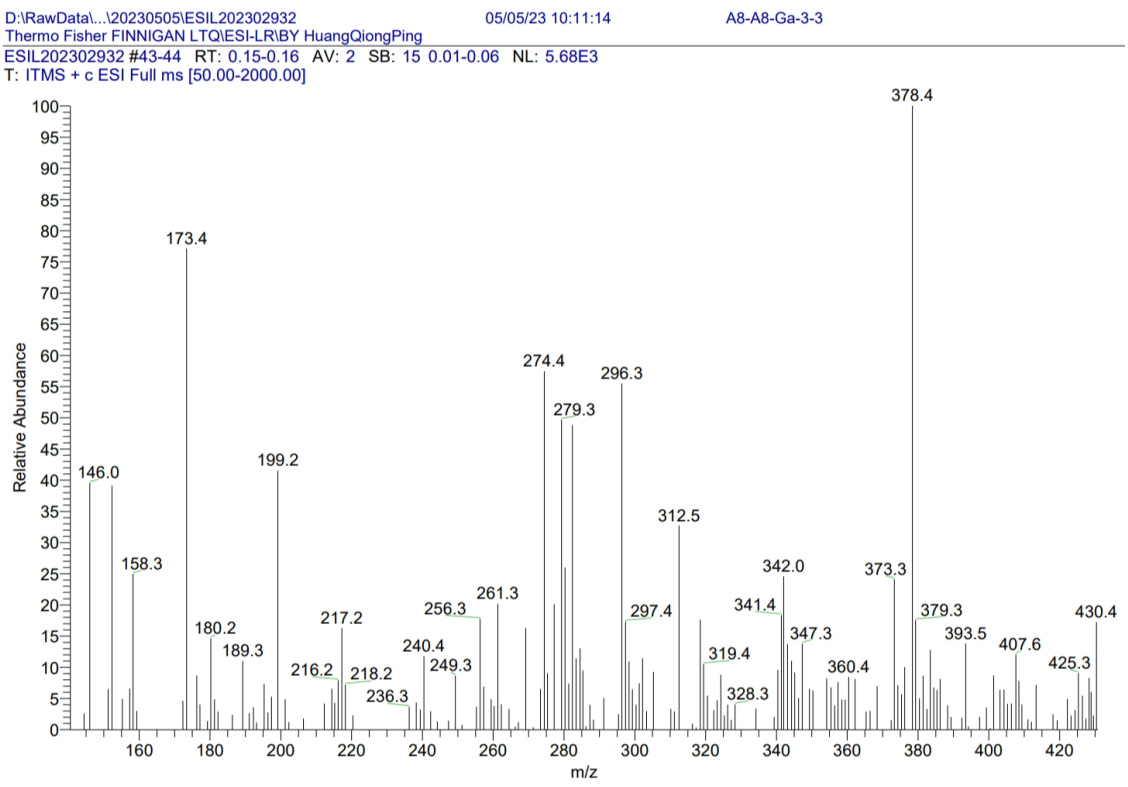

Figure S8 : MS spectrum of compound **1**

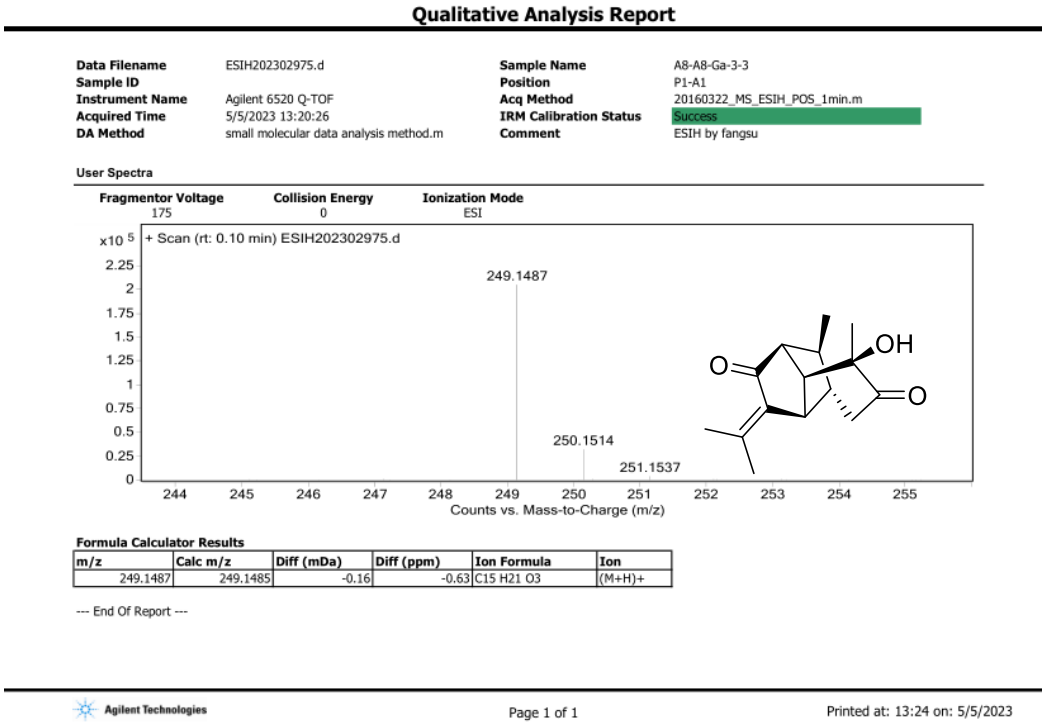

Figure S9 : HRESIMS spectrum of compound **1**

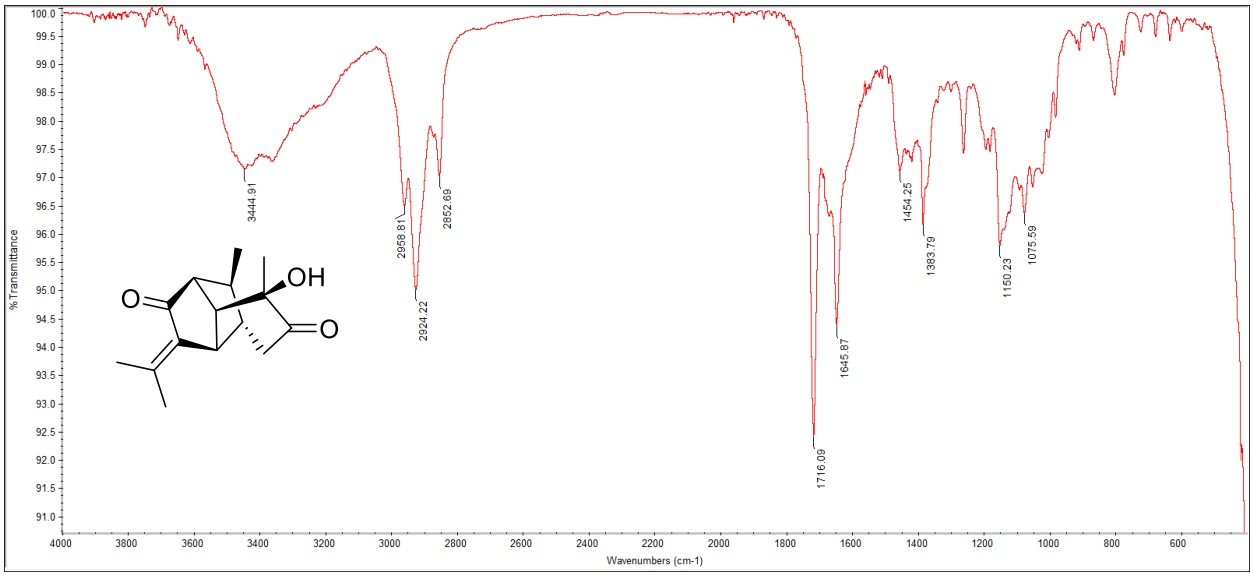

Figure S10: IR spectrum of compound **1**

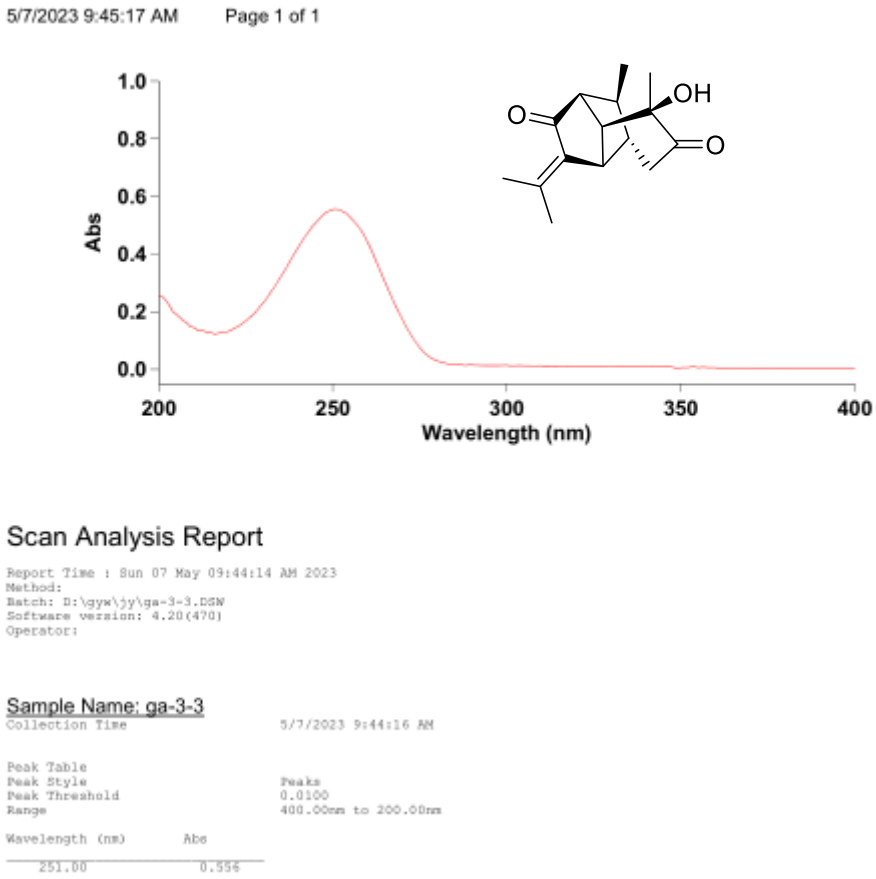

Figure S11 : UV spectrum of compound **1**

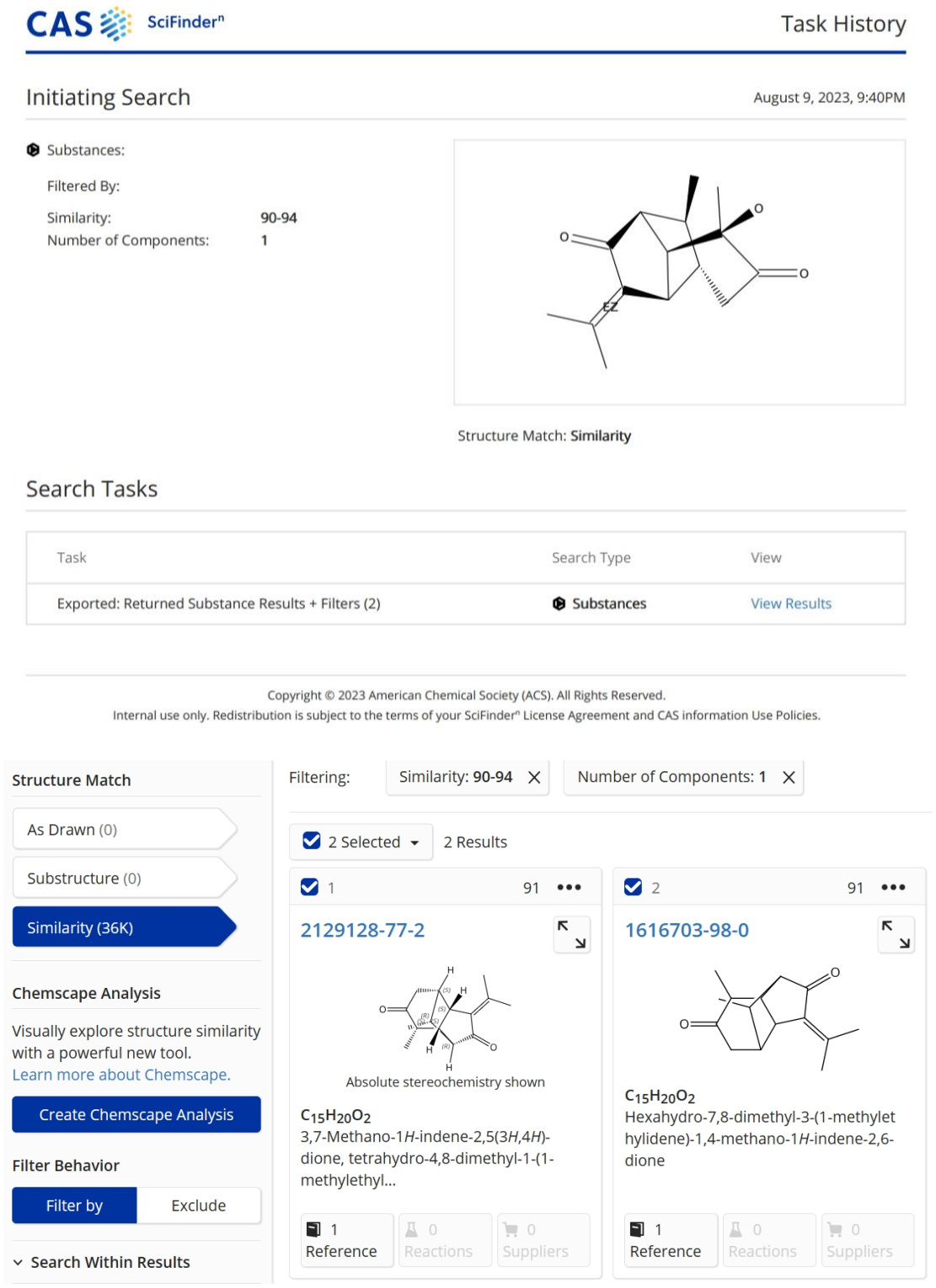

Figure S12 : The Scifinder similarity report for **1**

Table S1 : Crystal data for **1**

Identification code	**cu_2023603_0m**
Empirical formula	$C_{15}H_{20}O_3$
Formula weight	248.31
Temperature/K	100
Crystal system	monoclinic
Space group	$P2_1$
a/Å	7.0436(5)
b/Å	7.0873(5)
c/Å	13.7049(10)
α/°	90
β/°	96.271(4)
γ/°	90
Volume/Å^3	680.06(8)
Z	2
ρ_{calc}g/cm^3	1.213
μ/mm^{-1}	0.669
F(000)	268.0
Crystal size/mm^3	0.11 × 0.03 × 0.01
Radiation	CuKα (λ = 1.54178)
2Θ range for data collection/°	6.488 to 148.928
Index ranges	$-7 \leq h \leq 8$, $-8 \leq k \leq 8$, $-16 \leq l \leq 17$
Reflections collected	12254
Independent reflections	2765 [R_{int} = 0.1181, R_{sigma} = 0.1109]
Data/restraints/parameters	2765/1/168
Goodness-of-fit on F^2	1.086
Final R indexes [I>=2σ (I)]	R_1 = 0.0831, wR_2 = 0.2137
Final R indexes [all data]	R_1 = 0.0874, wR_2 = 0.2189
Largest diff. peak/hole / e Å^{-3}	0.56/-0.34
Flack parameter	-0.3(2)