Supporting Information

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An Undescribed Ingenane Glucoside Isolated from the Roots of *Euphorbia fischeriana* Steud and Its Anti-inflammatory Activity

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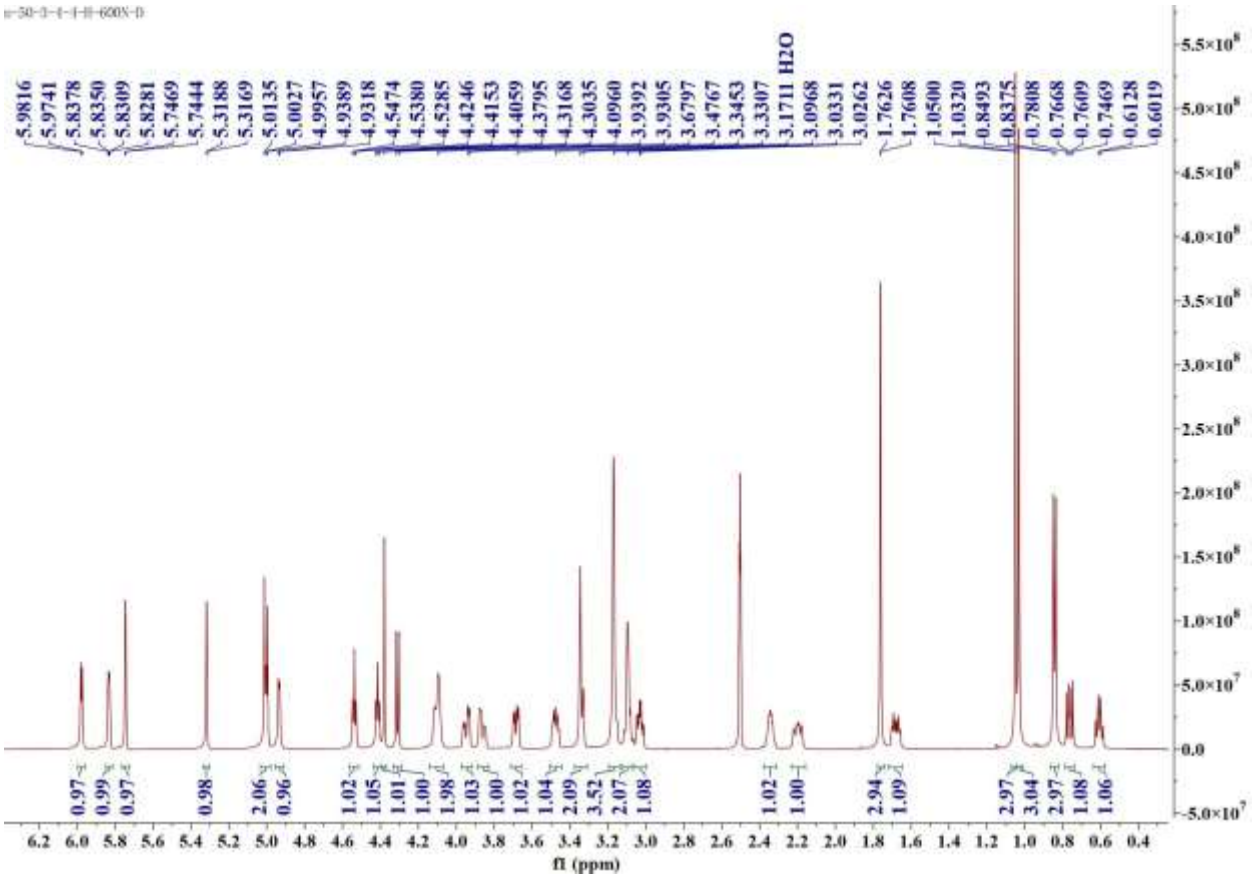


Figure S1: ^{1}H NMR spectrum of **1** recorded in DMSO-d_6 at 600 MHz

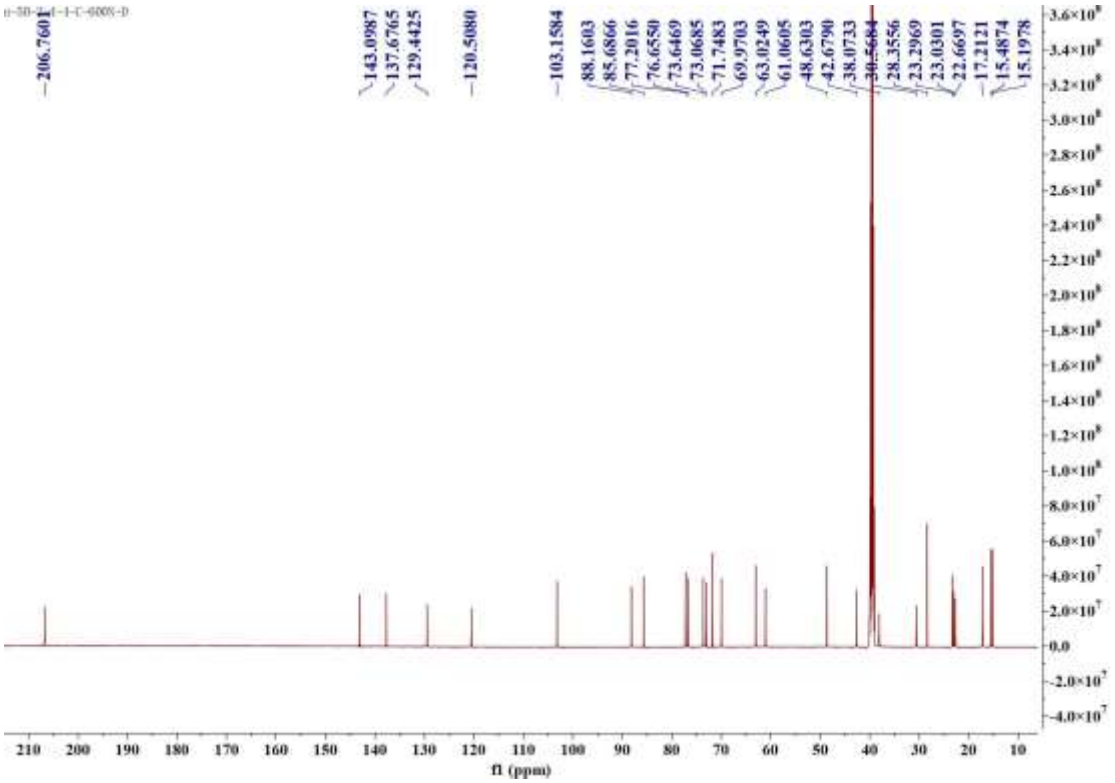


Figure S2: ^{13}C NMR spectrum of **1** recorded in DMSO-d_6 at 150 MHz

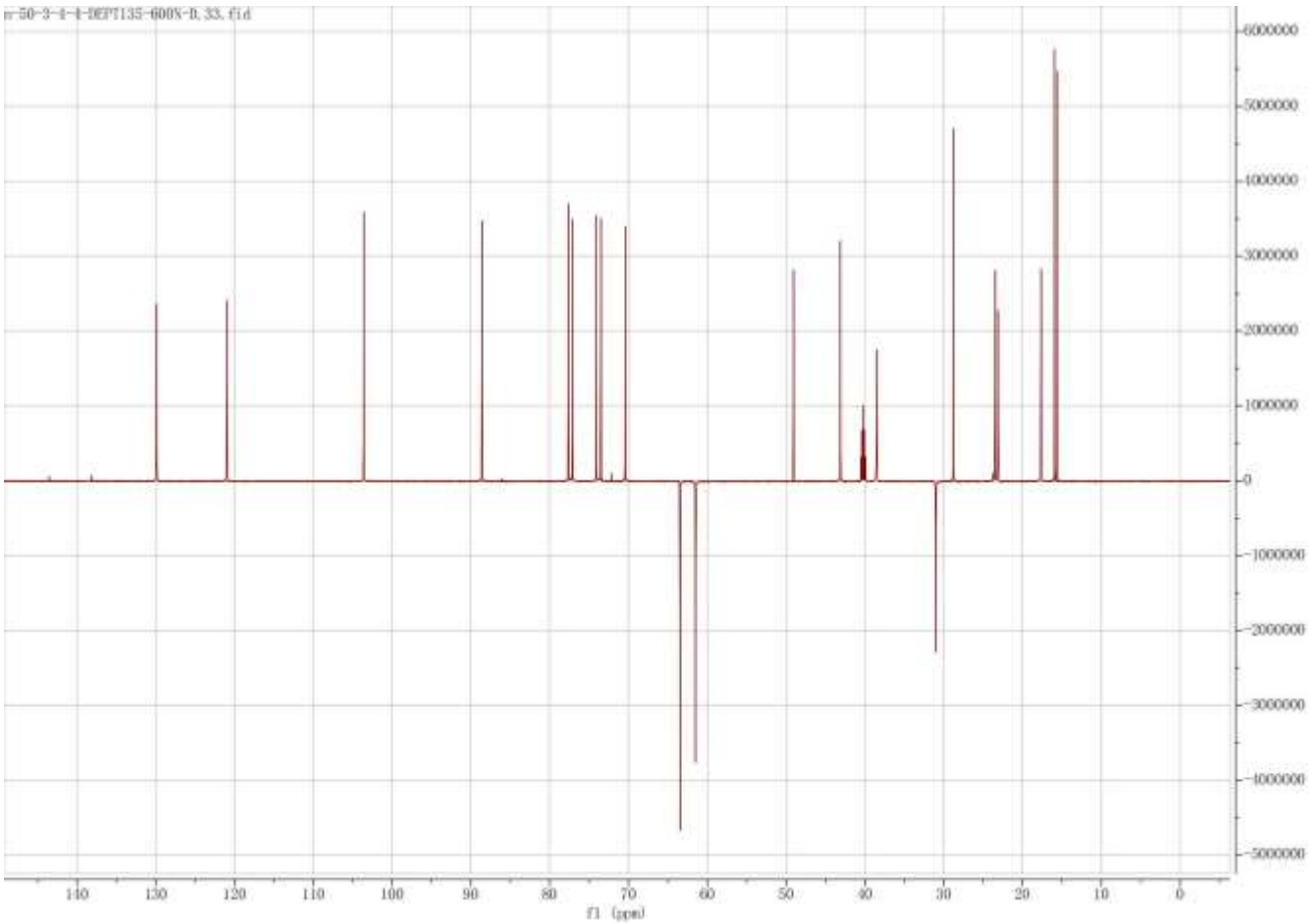


Figure S3: DEPT spectrum of **1** recorded in DMSO-d_6 at 150 MHz

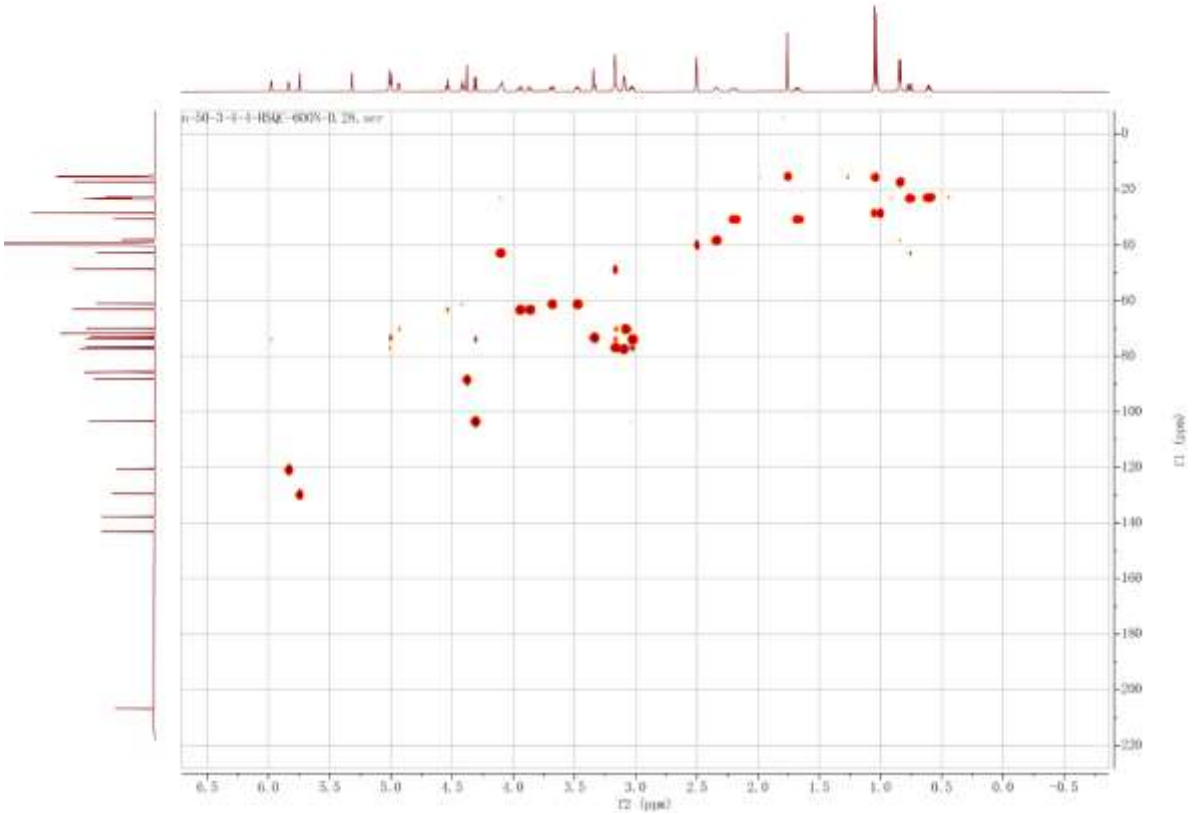


Figure S4: HSQC spectrum of **1** recorded in DMSO-d_6 at 150 MHz

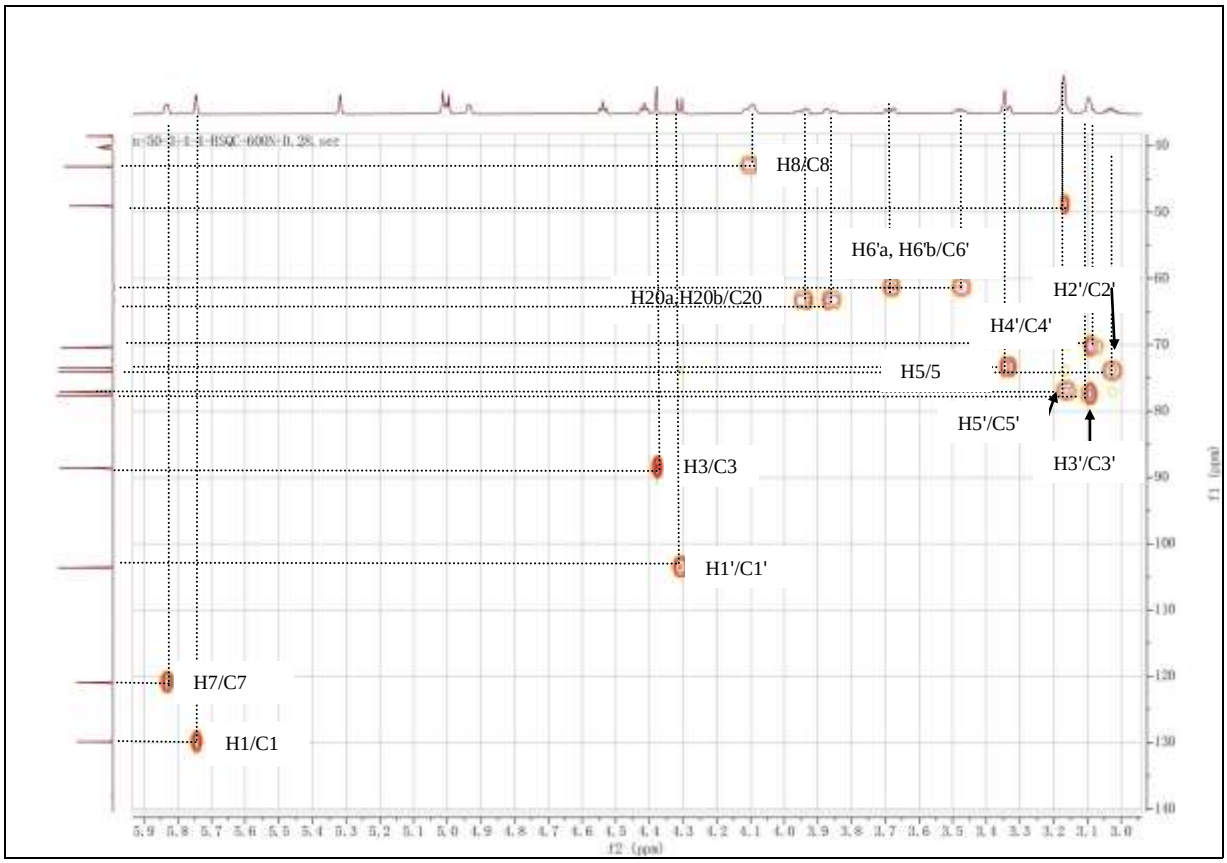


Figure S5: HSQC spectrum of **1** recorded in DMSO-d_6 at 150 MHz (From δ_C 40 ppm to δ_C 140 ppm)

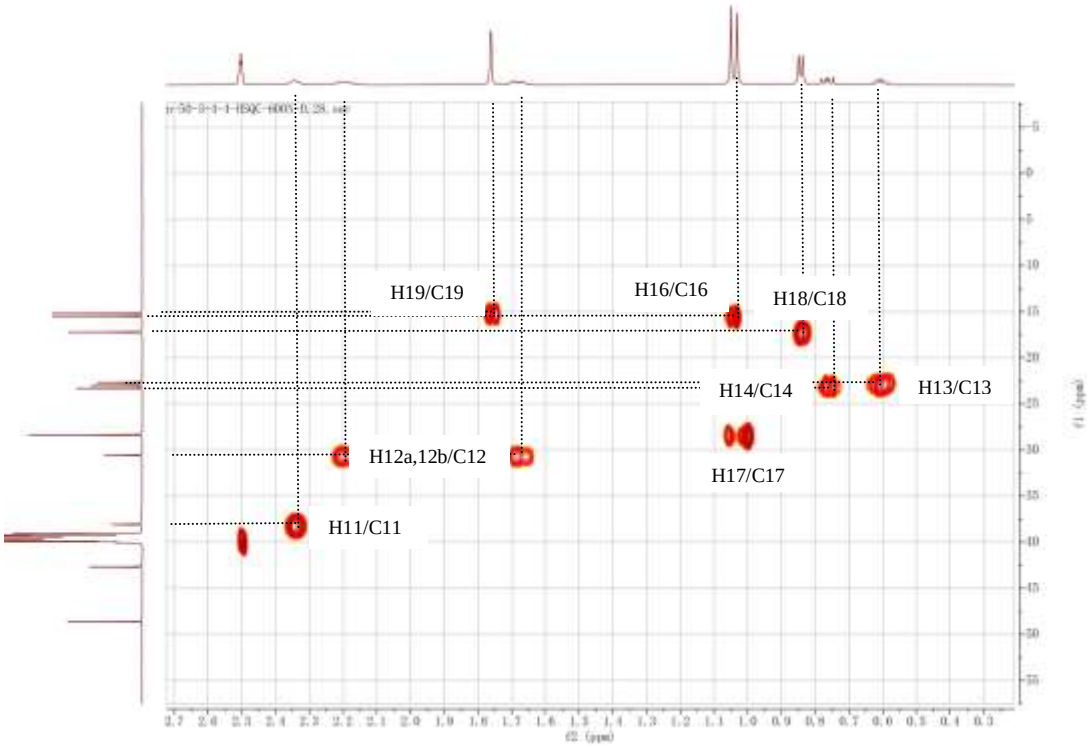


Figure S6: HSQC spectrum of **1** recorded in DMSO-d_6 at 150 MHz (From δ_C 0 ppm to δ_C 55 ppm)

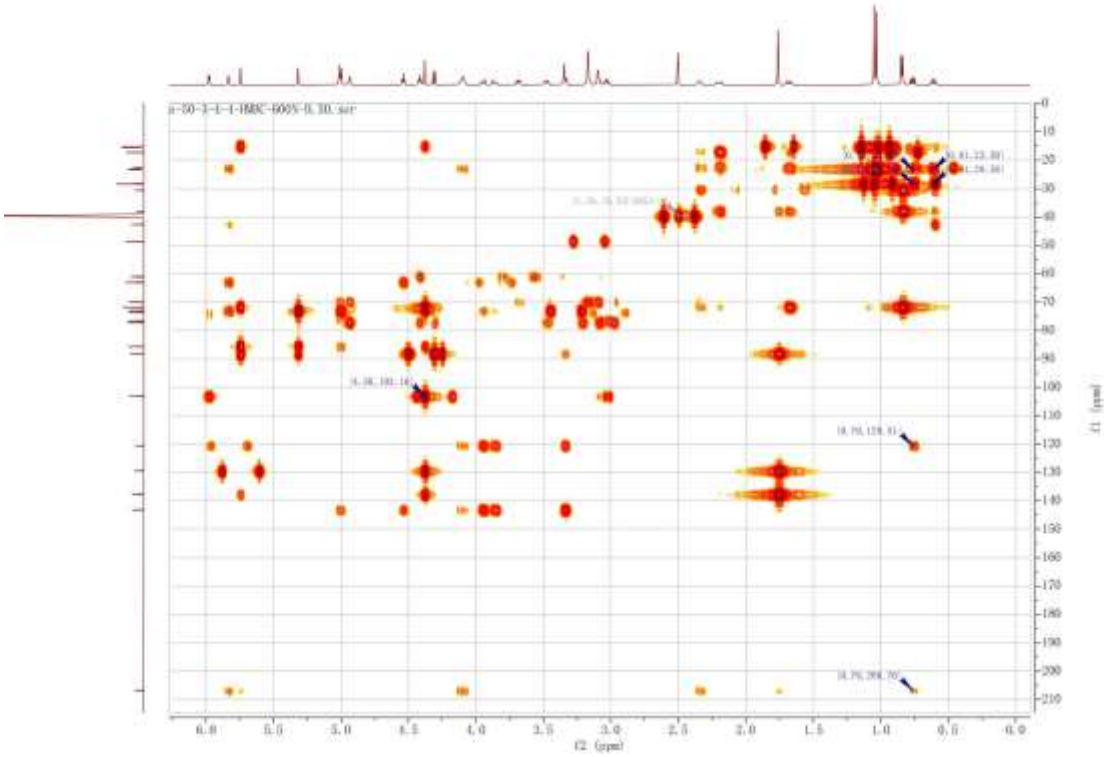


Figure S7: HMBC spectrum of **1** recorded in DMSO-d_6 at 150 MHz

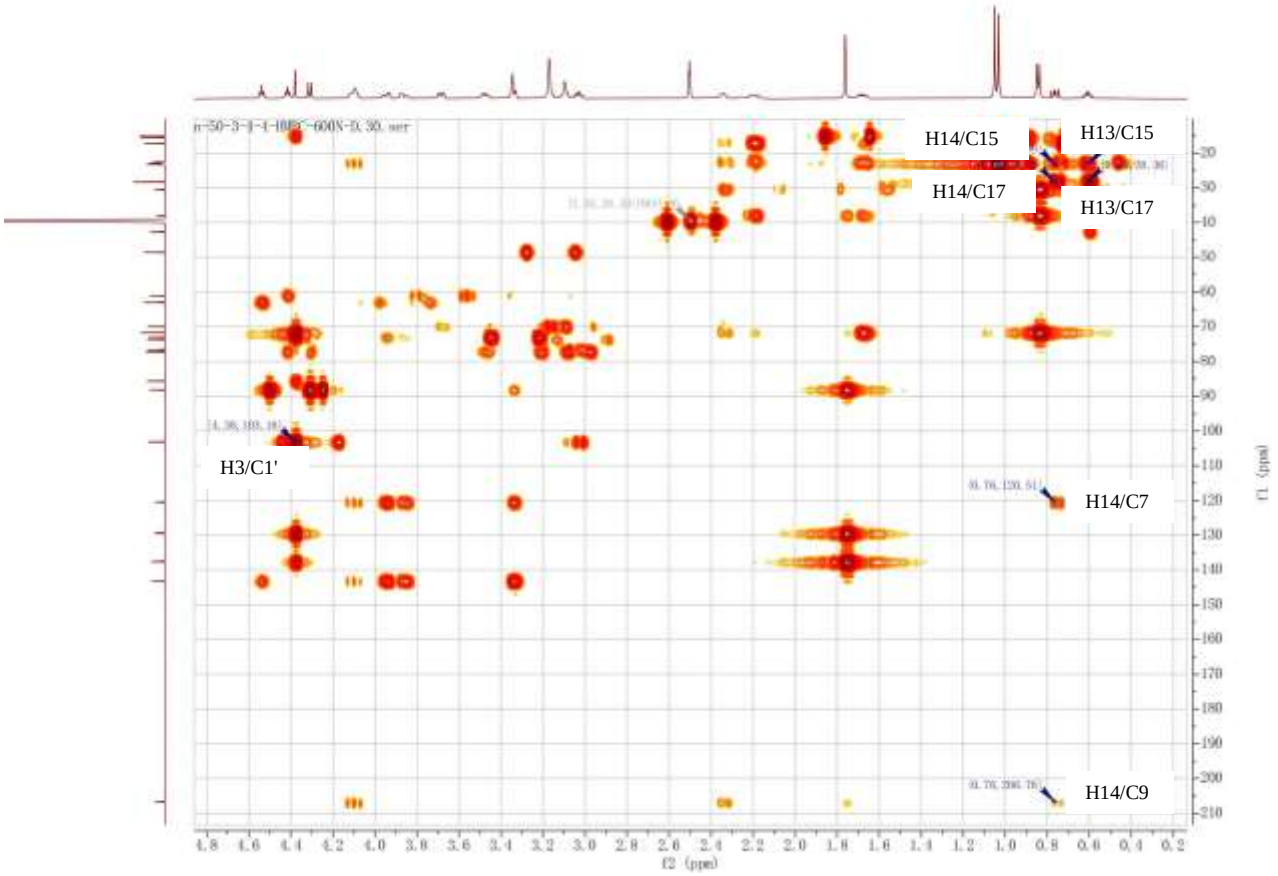


Figure S8: HMBC spectrum of **1** recorded in DMSO-d_6 at 150 MHz (From δ_H 0.2 ppm to δ_H 4.8 ppm)

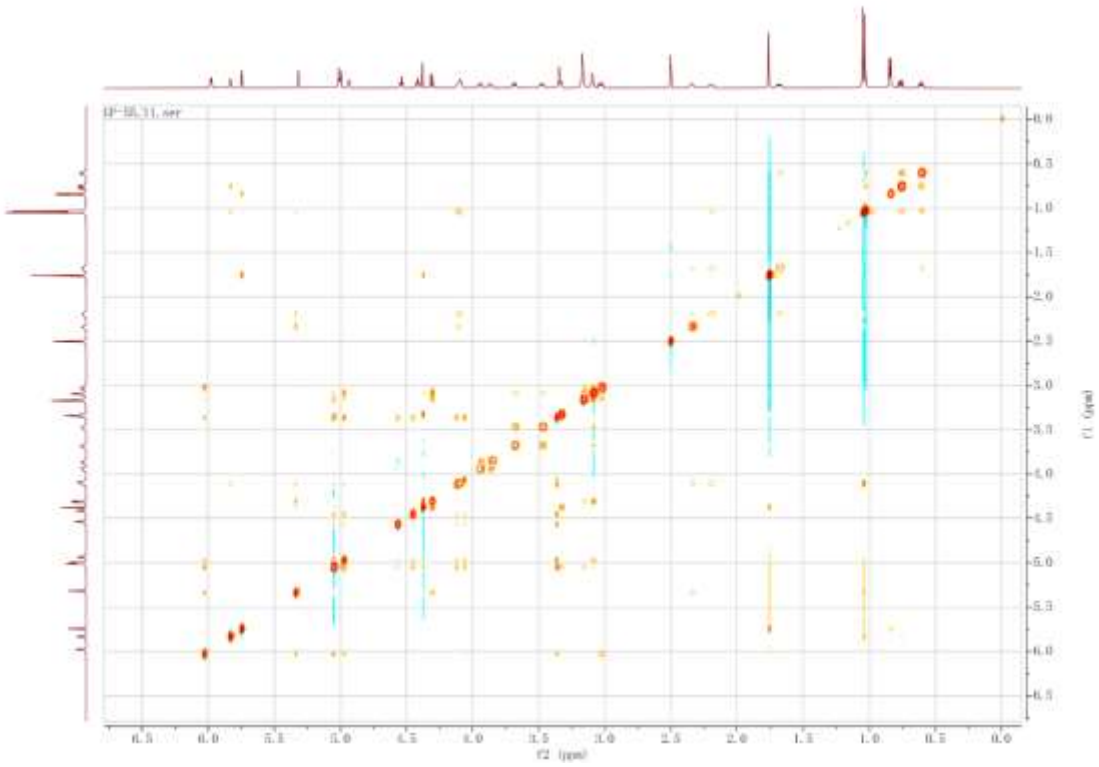


Figure S9: NOESY spectrum of **1** recorded in DMSO-d_6 at 600 MHz

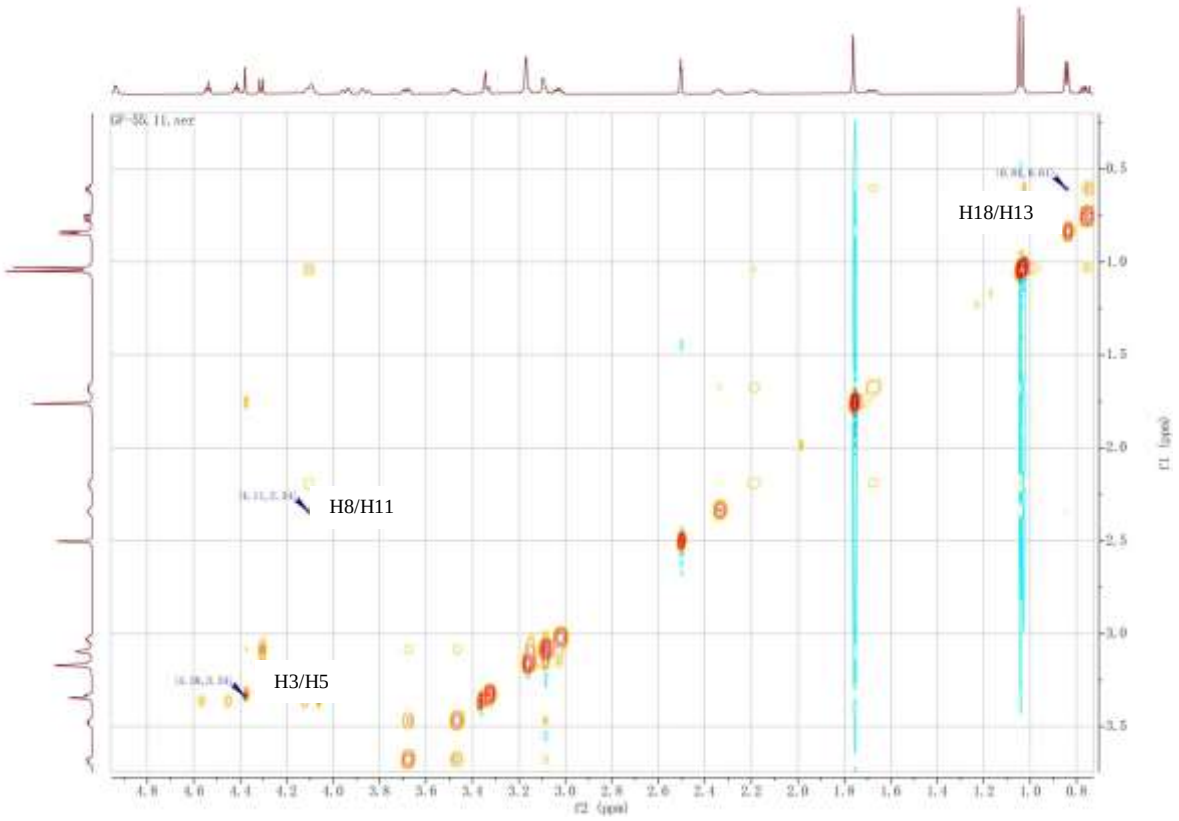


Figure S10: NOESY spectrum of **1** recorded in DMSO-d_6 at 150 MHz (From δ_H 0.8 ppm to δ_H 4.8 ppm)

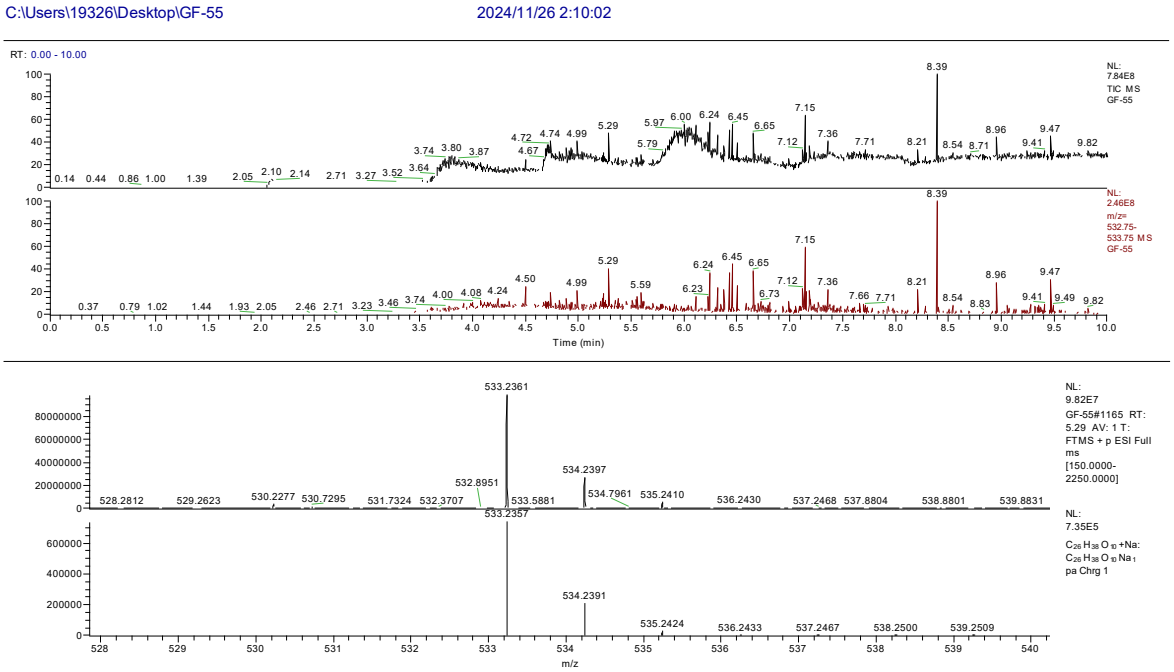


Figure S11: HRESIMS spectrum of **1**

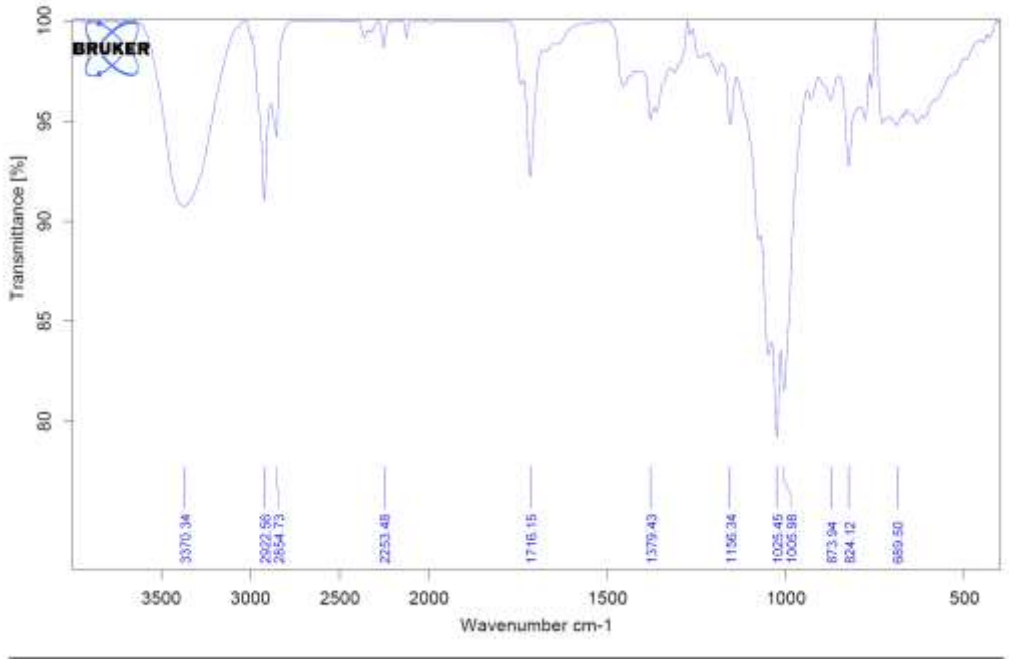


Figure S12: IR spectrum of **1**

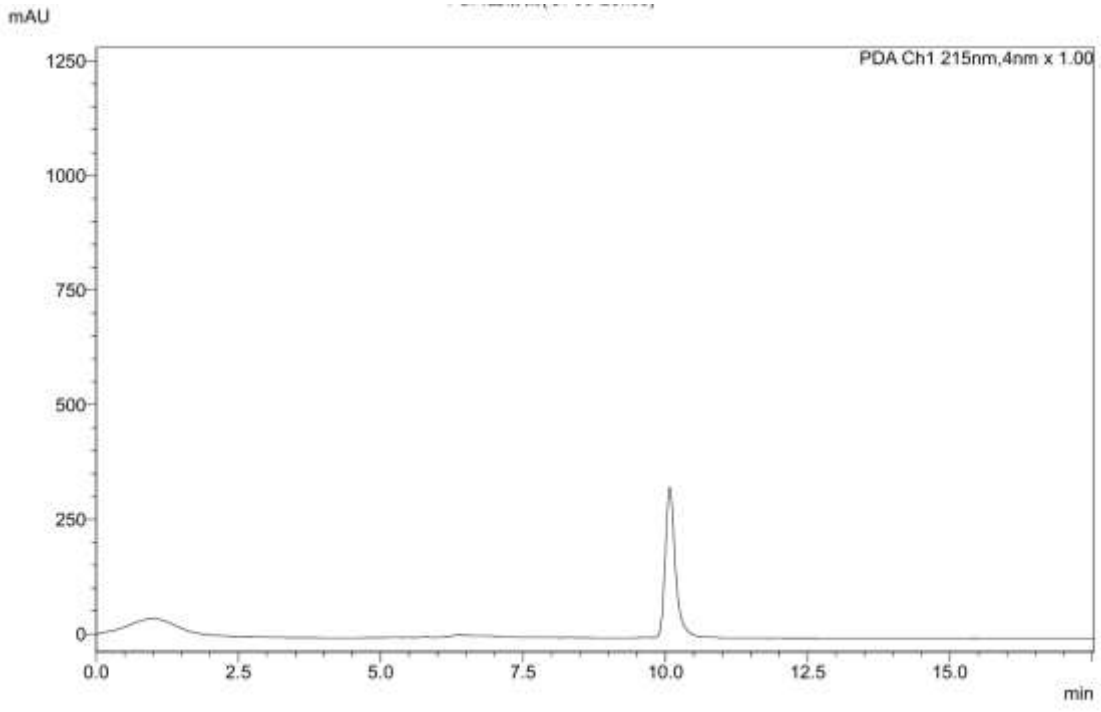


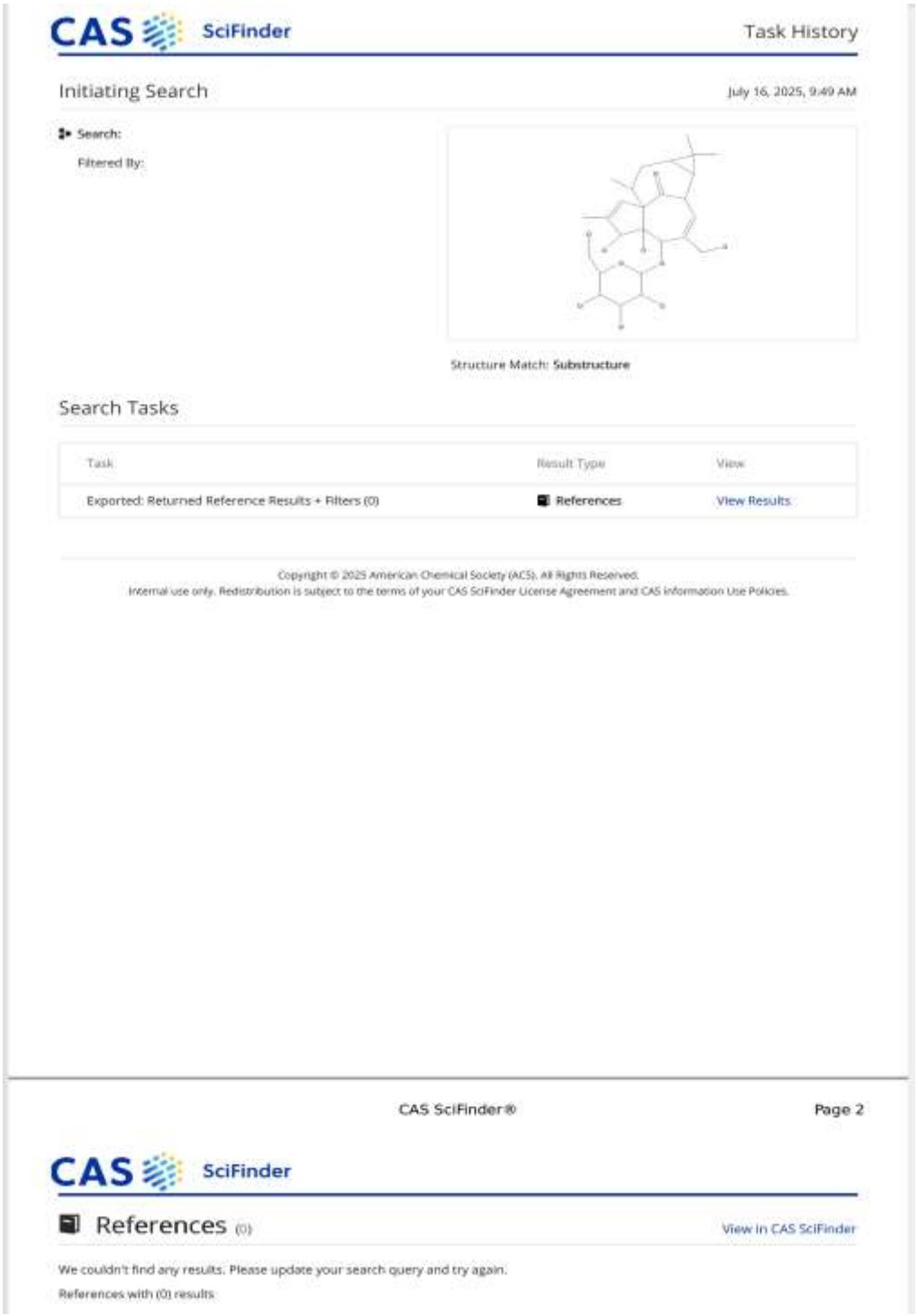
Figure S13: High performance liquid chromatogram of compound **1**

Table S1: ^{13}C NMR spectroscopic data for compounds **1 (**DMSO-d_6, δ in ppm) and **2** ($CDCl_3$, δ in ppm)

No.	**1** (δc, type)	**2** (δc, type)	No.	**1** (δc, type)	**2** (δc, type)
1	129.4 CH	129.5 CH	14	23.0 CH	24.4 CH
2	137.7 C	141.2 C	15	23.3 C	25.0 C
3	88.2 CH	80.8 CH	16	15.2 CH_3	15.8 CH_3
4	85.7 C	86.0 C	17	28.4 CH_3	28.9 CH_3
5	73.1 CH	75.1 CH	18	17.2 CH_3	17.6 CH_3
6	143.1 C	144.0 C	19	15.2 CH_3	15.5 CH_3
7	120.5 CH	124.4 CH	20	63.0 CH_2	65.6 CH_2
8	42.7 CH	45.0 CH	1'	103.2 CH	
9	206.8 C	210.6 C	2'	73.6 CH	
10	71.7 C	74.0 C	3'	77.2 CH	
11	38.1 CH	40.6 CH	4'	70.0 CH	
12	30.6 CH_2	31.9 CH_2	5'	76.7 CH	
13	22.7 CH	24.5 CH	6'	61.1 CH_2	

Table S2: Crystal data and structure refinement for compound **1**

Identification code	fenweij_ gf-55-2_auto
Empirical formula	$C_{27}H_{42}O_{11}$
Formula weight	542.60
Temperature/K	297.8(3)
Crystal system	monoclinic
Space group	$P2_1$
a/Å	6.94396(13)
b/Å	38.6715(8)
c/Å	10.24511(18)
α/°	90
β/°	90.2545(15)
γ/°	90
Volume/Å^3	2751.13(9)
Z	4
ρ_{calc}g/cm^3	1.310
μ/mm^{-1}	0.843
F (000)	1168.0
Crystal size/mm^3	0.16 × 0.15 × 0.12
Radiation	Cu Kα (λ = 1.54184)
2*Θ* range for data collection/°	4.57 to 155.172
Index ranges	-7 ≤ h ≤ 8, -47 ≤ k ≤ 48, -12 ≤
Reflections collected	22908
Independent reflections	9147 [R_{int} = 0.0522, R_{sigma} =
Data/restraints/parameters	9147/3/733
Goodness-of-fit on F^2	1.038
Final R indexes [I>=2σ (I)]	R_1 = 0.0612, wR_2 = 0.1695
Final R indexes [all data]	R_1 = 0.0657, wR_2 = 0.1734
Largest diff. peak/hole / e Å^{-3}	0.70/-0.31
Flack parameter	0.09(12)


CAS SciFinder

Task History

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July 16, 2025, 9:49 AM

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Filtered By:

Structure Match: **Substructure**

Search Tasks

Task	Result Type	View
Exported: Returned Reference Results + Filters (0)	References	View Results

CAS SciFinder

References (0)

View in CAS SciFinder

We couldn't find any results. Please update your search query and try again.

References with (0) results

The SciFinder search report