

Sclerotiols A–C: Three New Alkaloids from the Marine-derived Fungus

Aspergillus sclerotiorum ST0501

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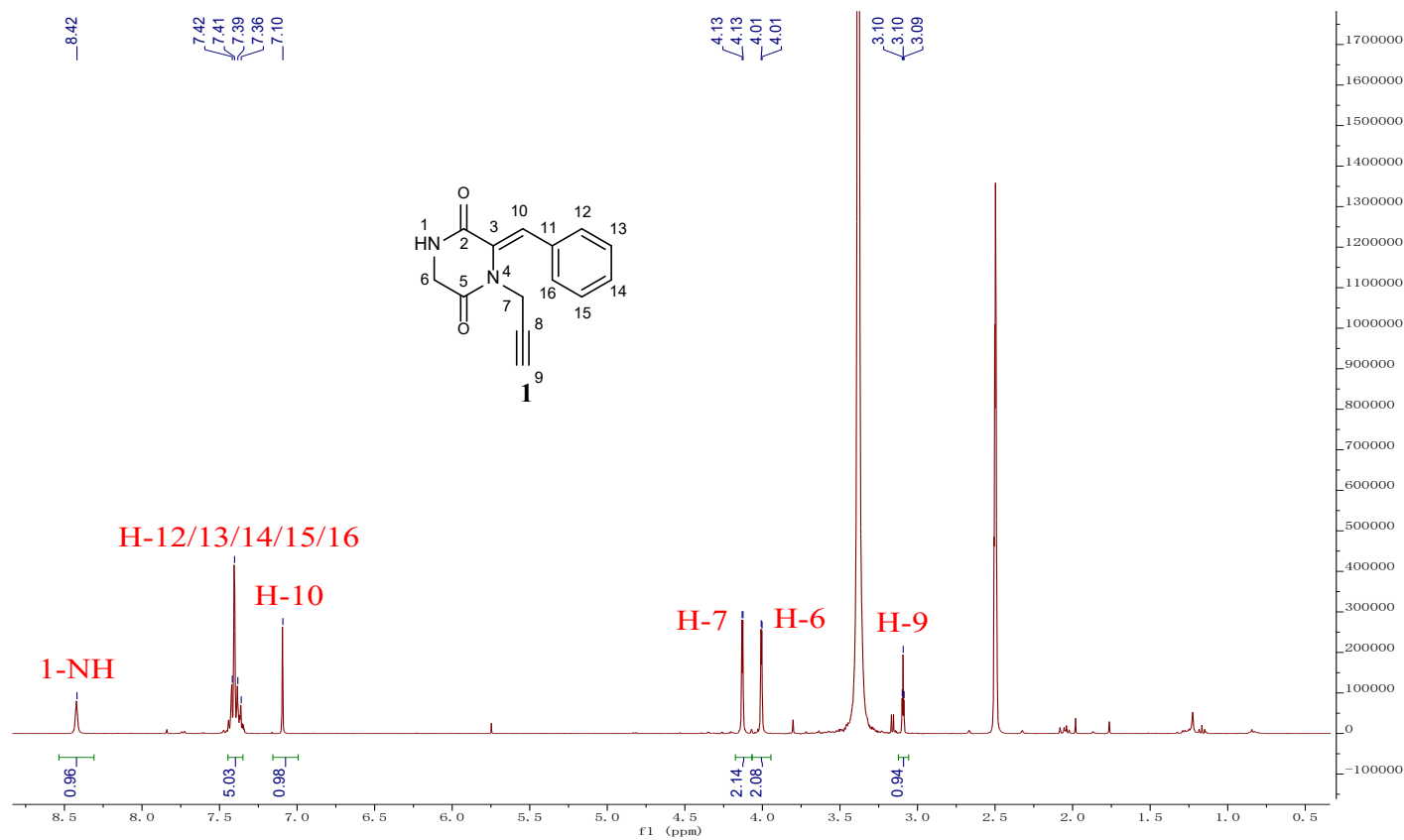


Figure S1. ^1H NMR spectrum of compound **1** in $\text{DMSO}-d_6$ (400 MHz).

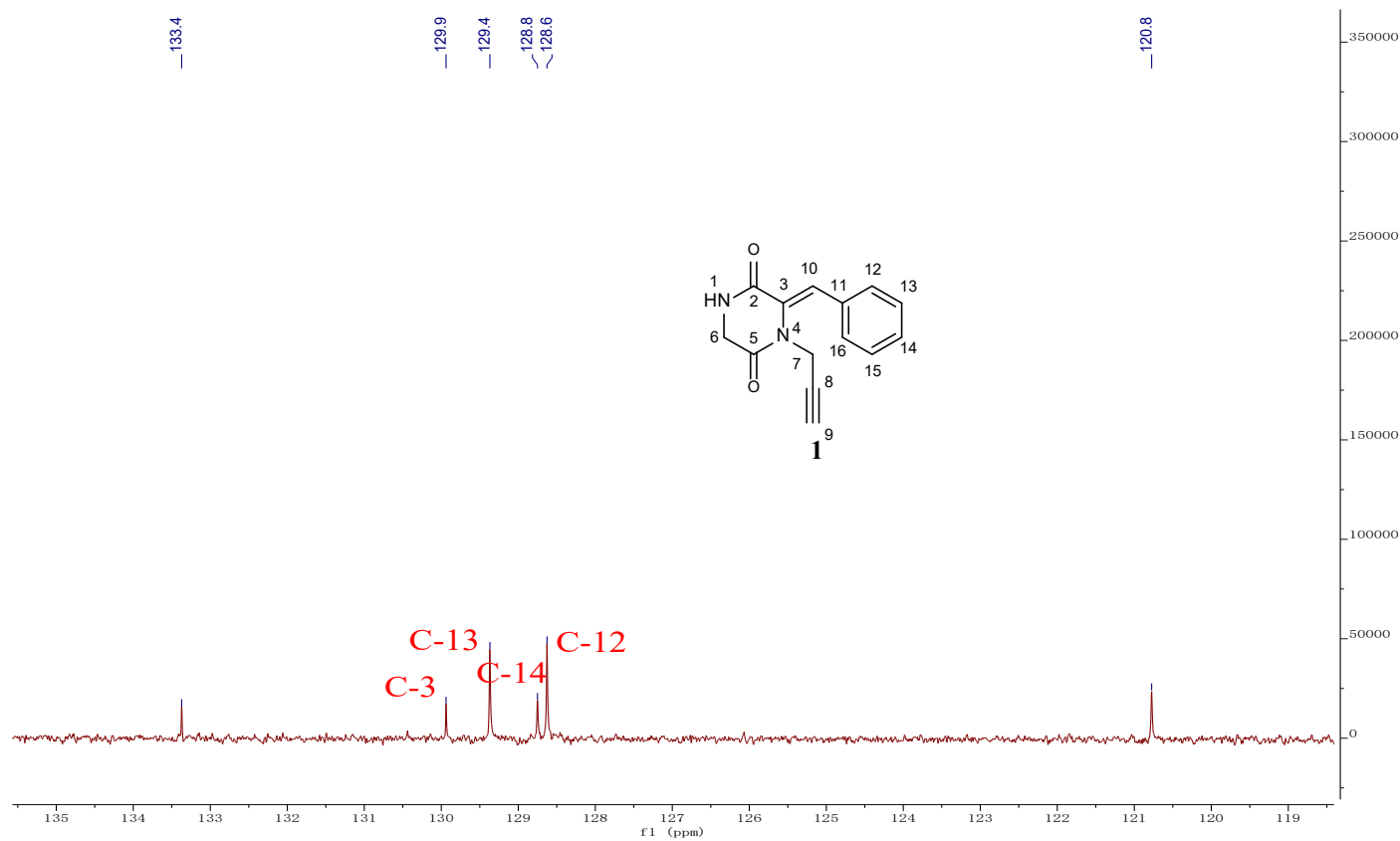


Figure S3. Partial ^{13}C NMR spectrum of compound **1** in $\text{DMSO}-d_6$ (100 MHz).

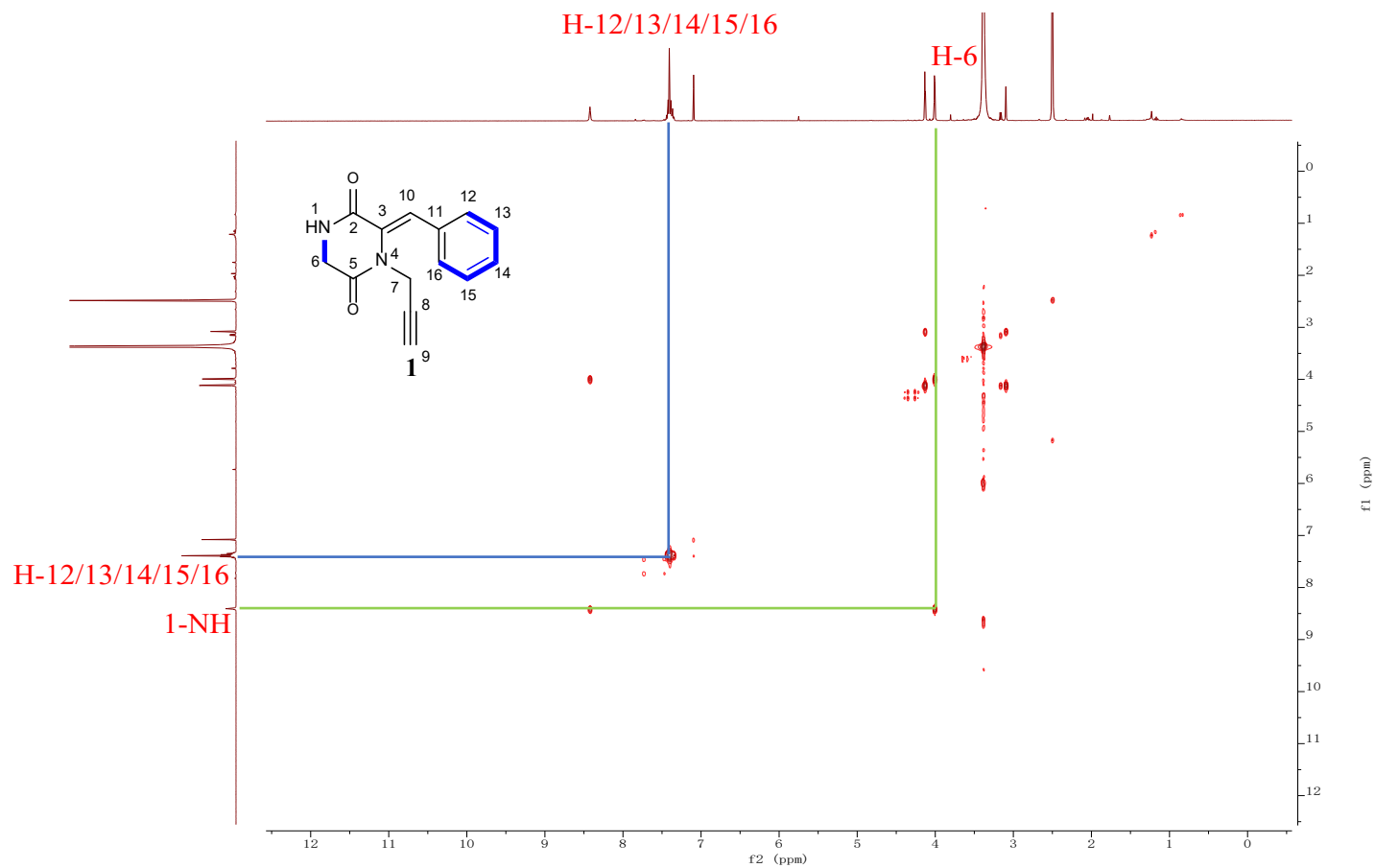


Figure S4. ^1H - ^1H COSY spectrum of compound **1** in $\text{DMSO}-d_6$.

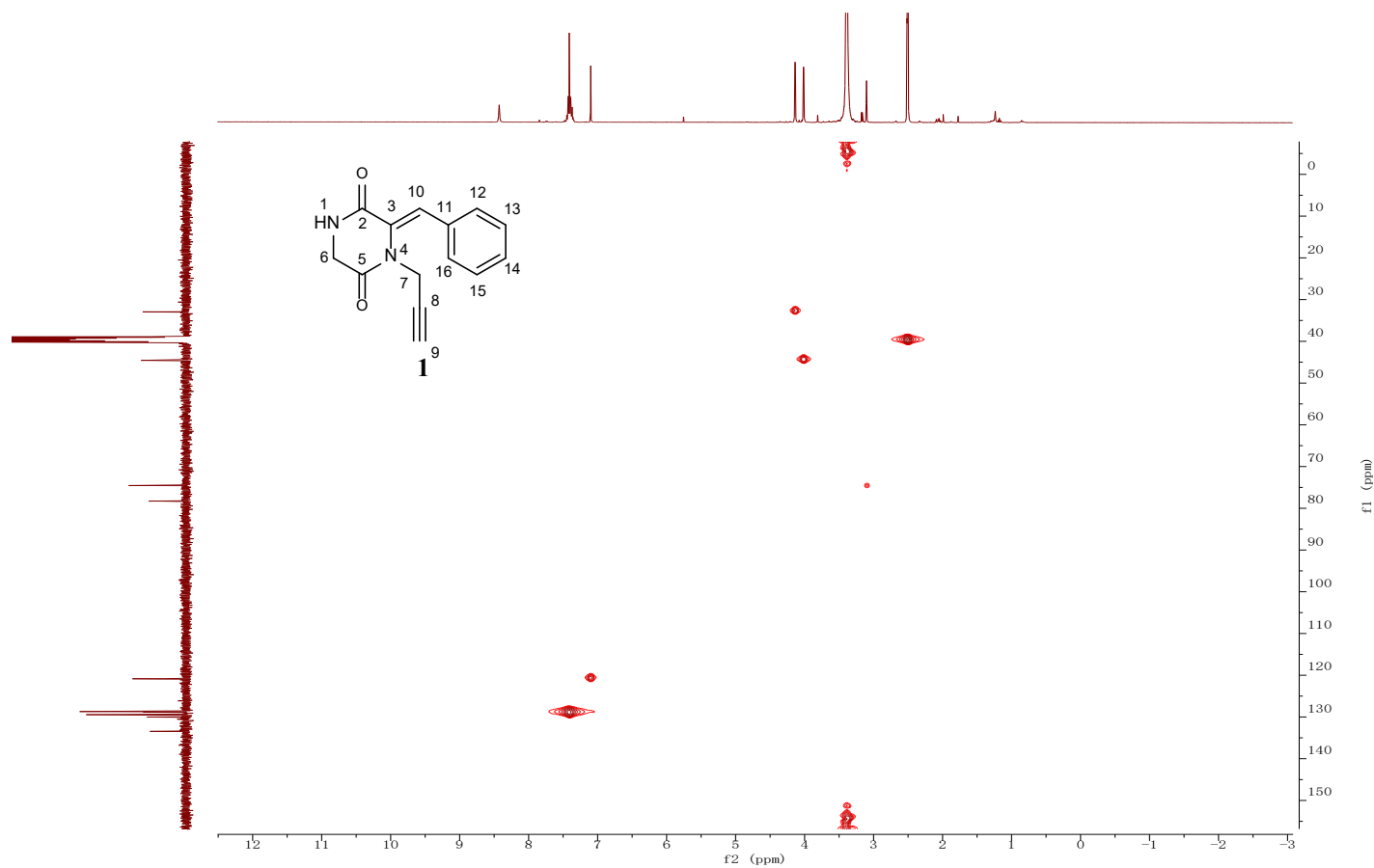


Figure S5. HSQC spectrum of compound **1** in DMSO-*d*₆.

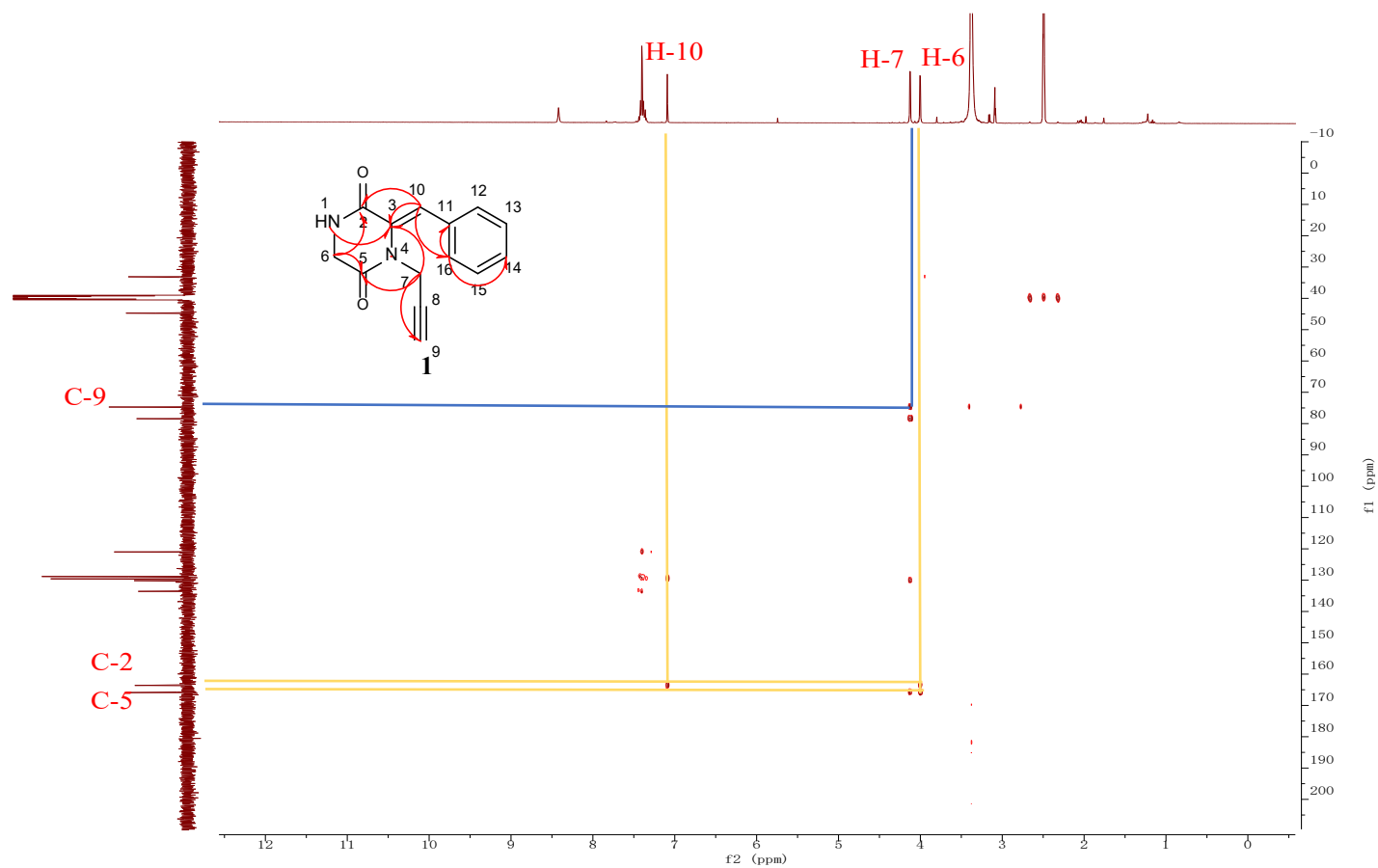


Figure S6. HMBC spectrum of compound **1** in $\text{DMSO}-d_6$.

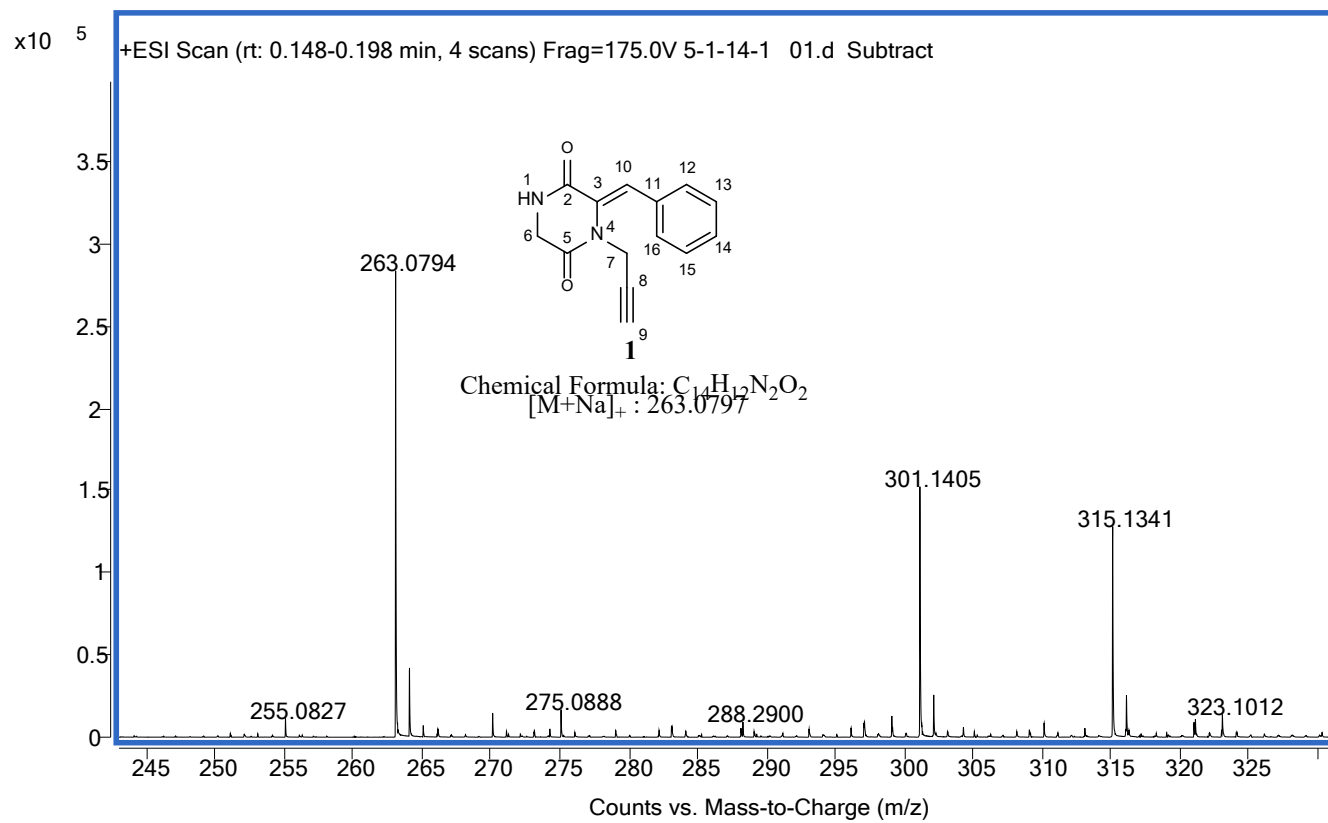


Figure S7. HRESIMS spectrum (positive ion mode) of compound **1**.

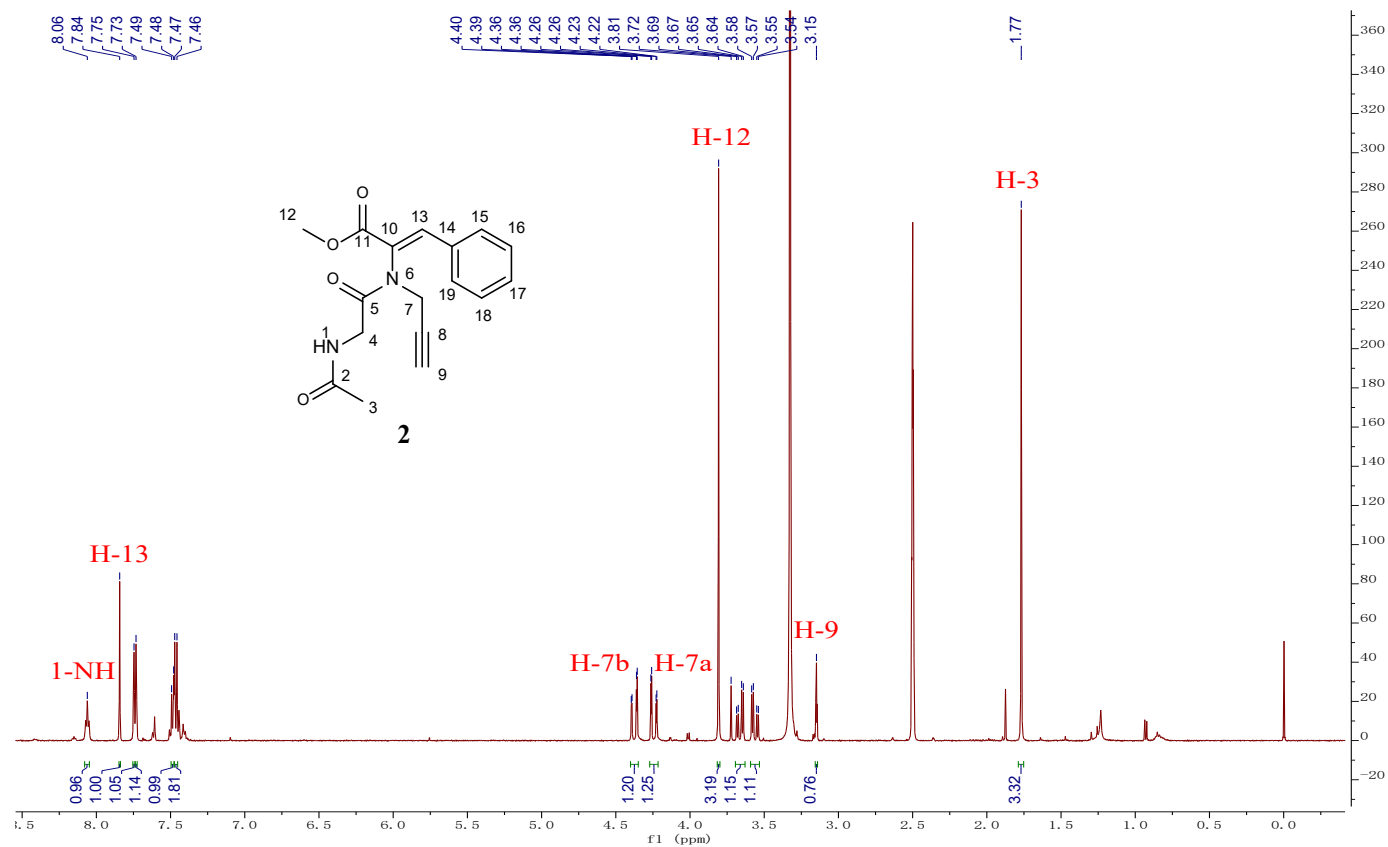


Figure S8. ^1H NMR spectrum of compound **2** in $\text{DMSO}-d_6$ (600 MHz).

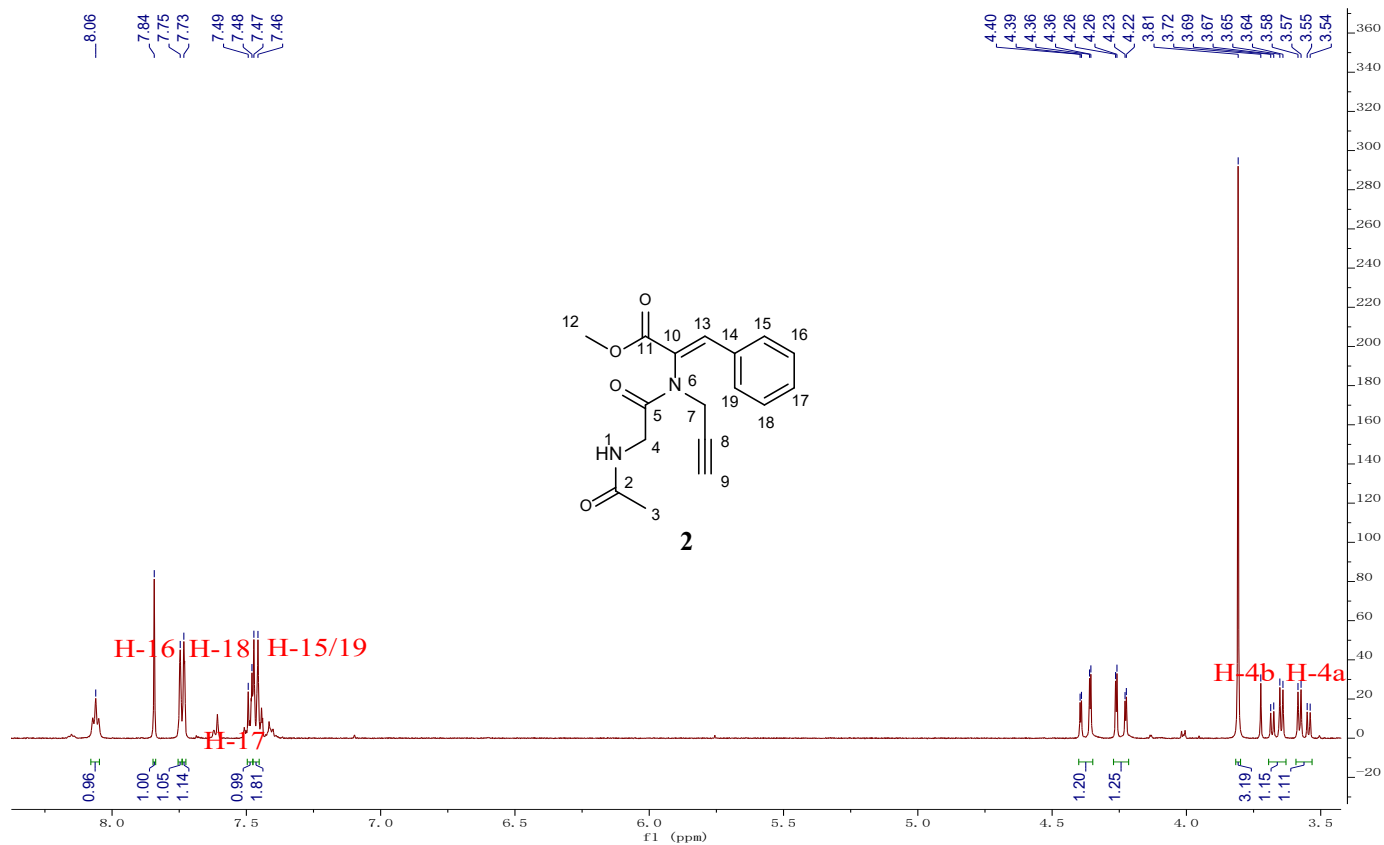


Figure S9. Partial ^1H NMR spectrum of compound **2** in $\text{DMSO}-d_6$ (600 MHz).

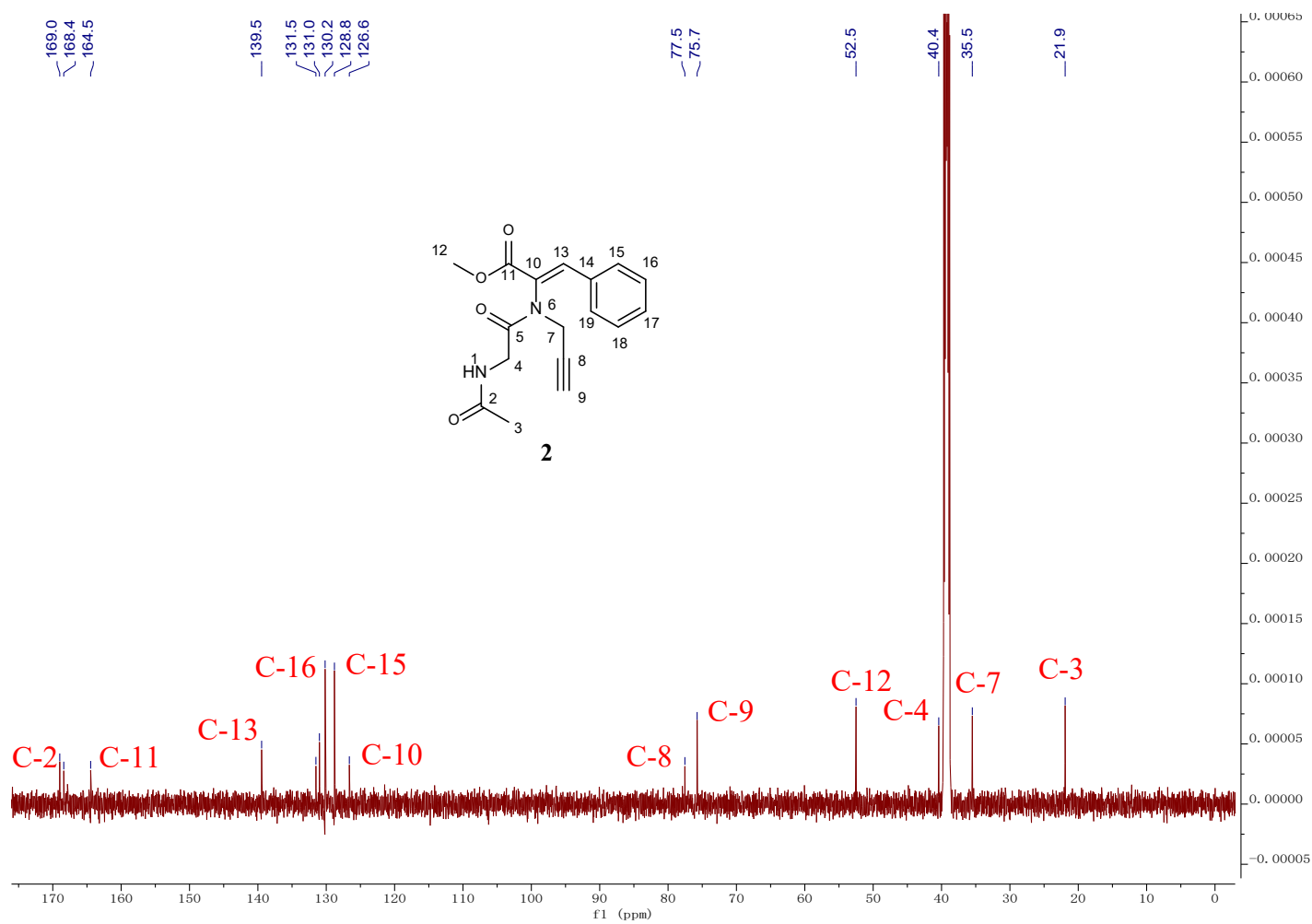


Figure S10. ^{13}C NMR spectrum of compound **2** in $\text{DMSO}-d_6$ (150 MHz).

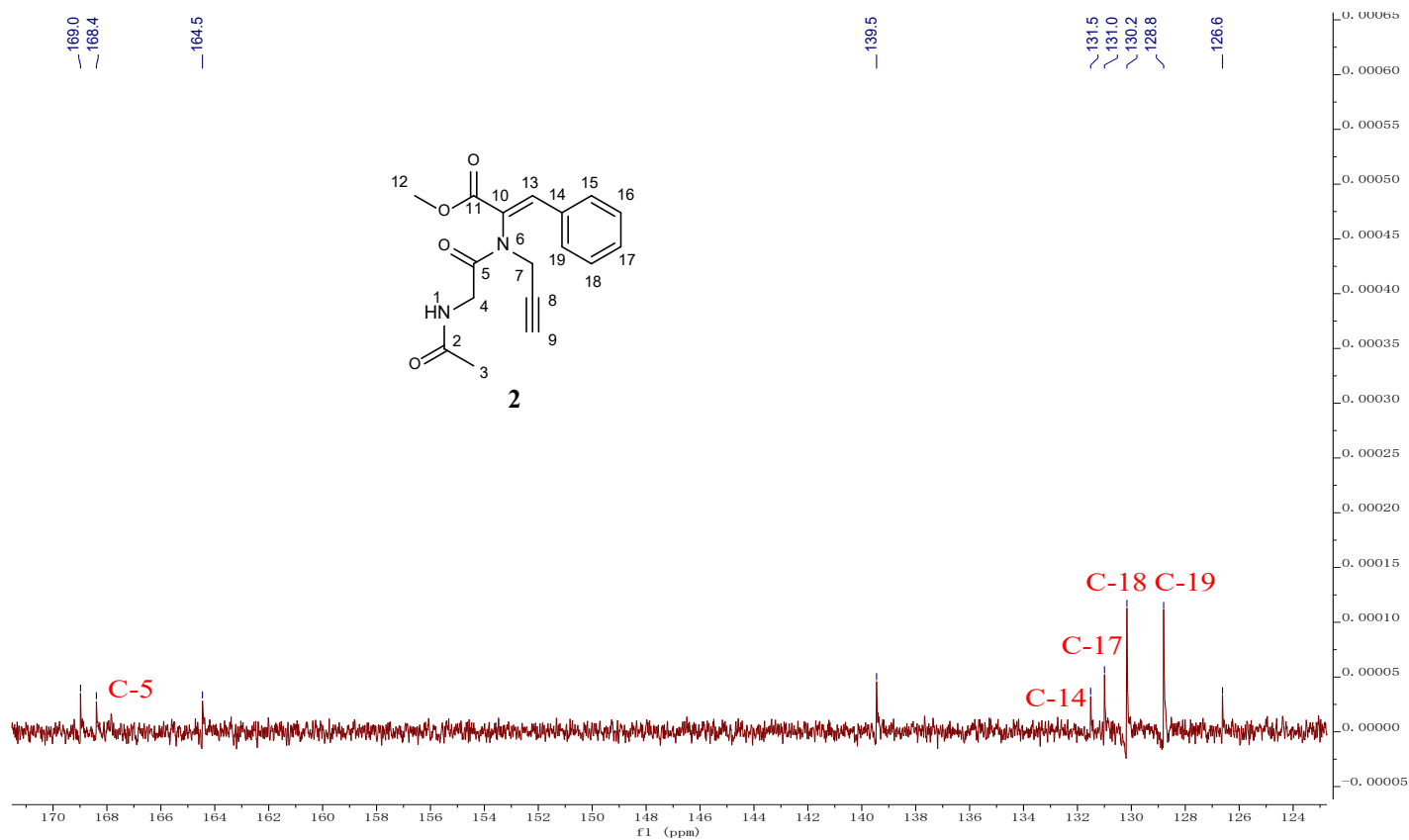


Figure S11. Partial ^{13}C NMR spectrum of compound **2** in $\text{DMSO}-d_6$ (150 MHz).

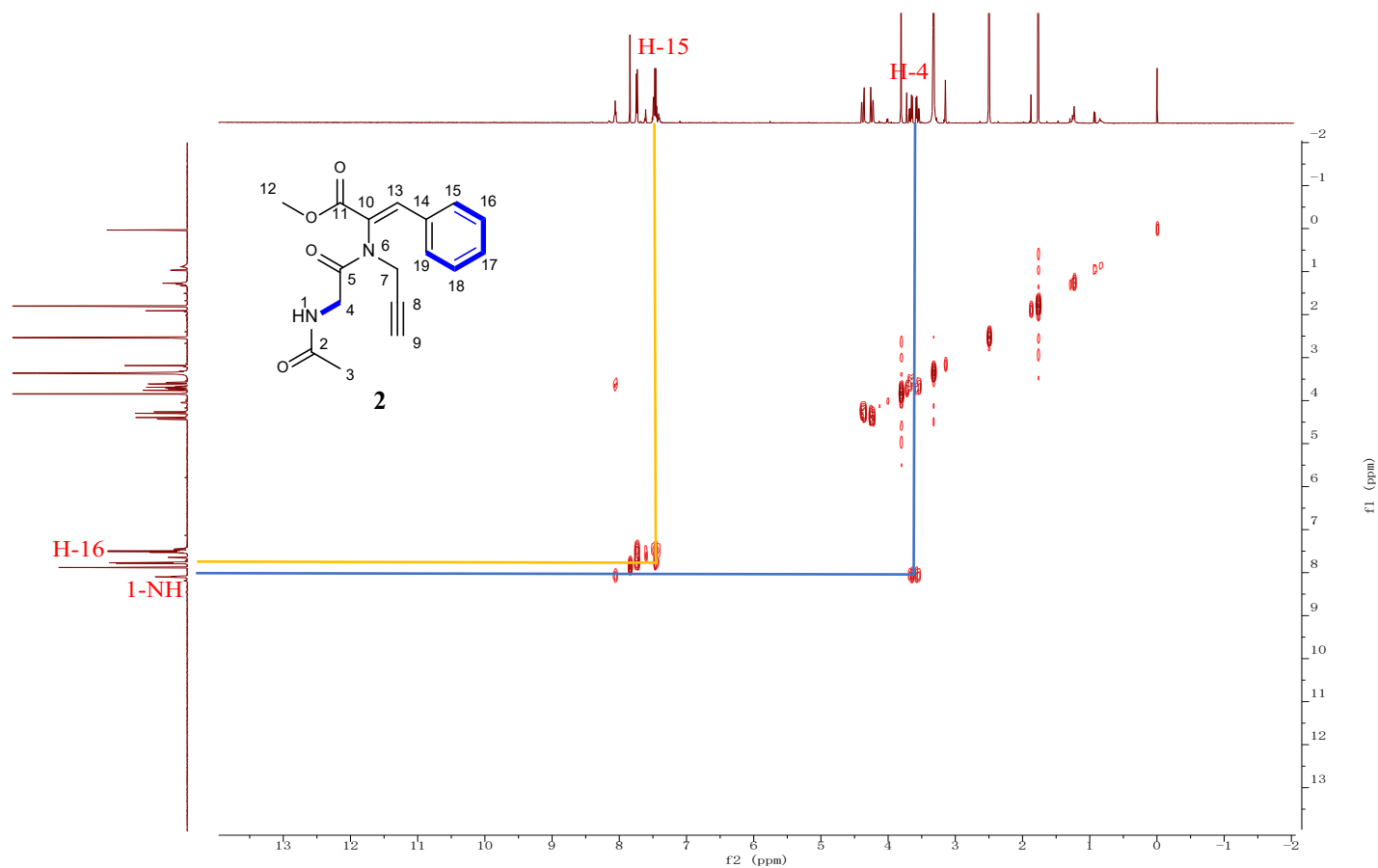


Figure S12. ^1H - ^1H COSY spectrum of compound **2** in $\text{DMSO}-d_6$.

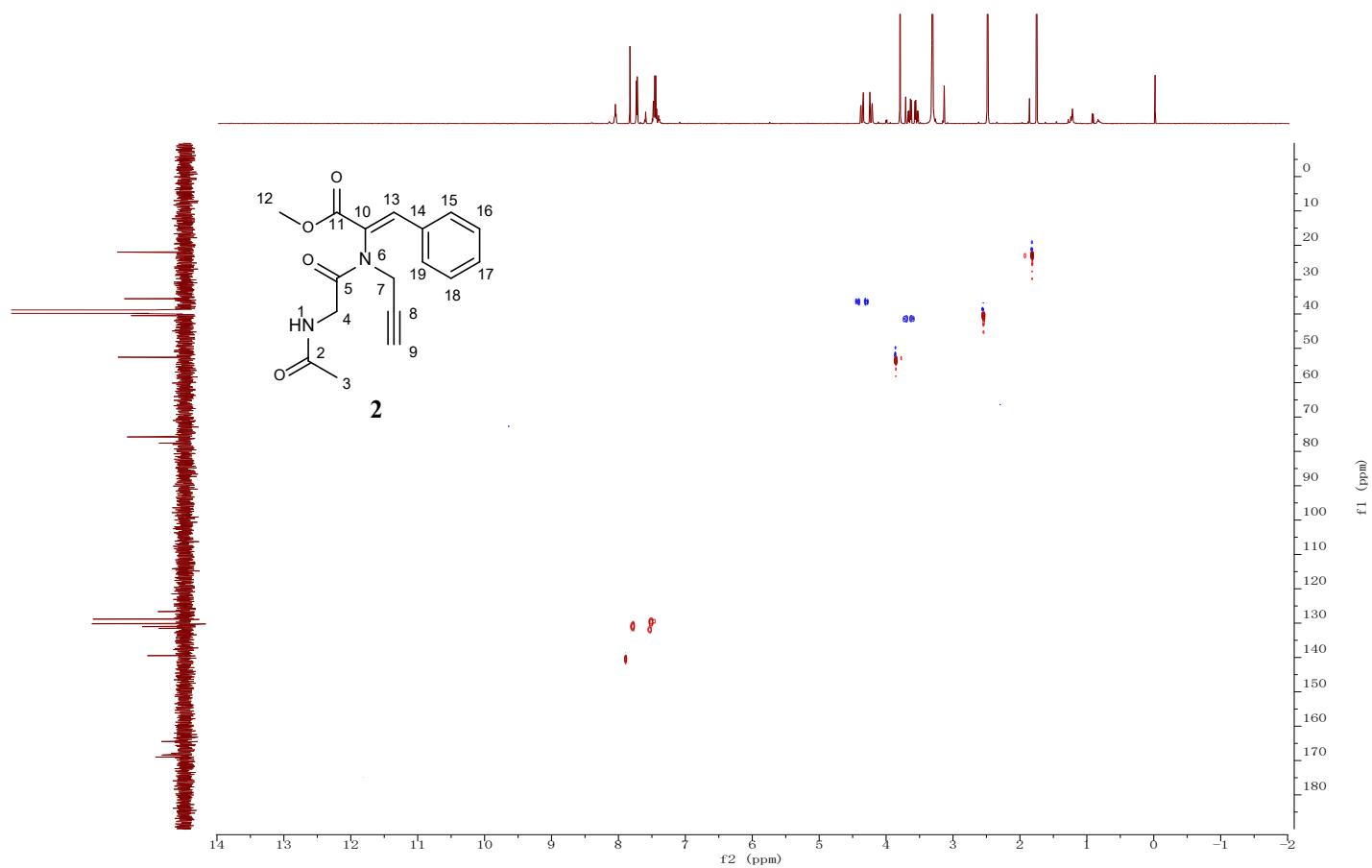


Figure S13. HSQC spectrum of compound **2** in $\text{DMSO}-d_6$.

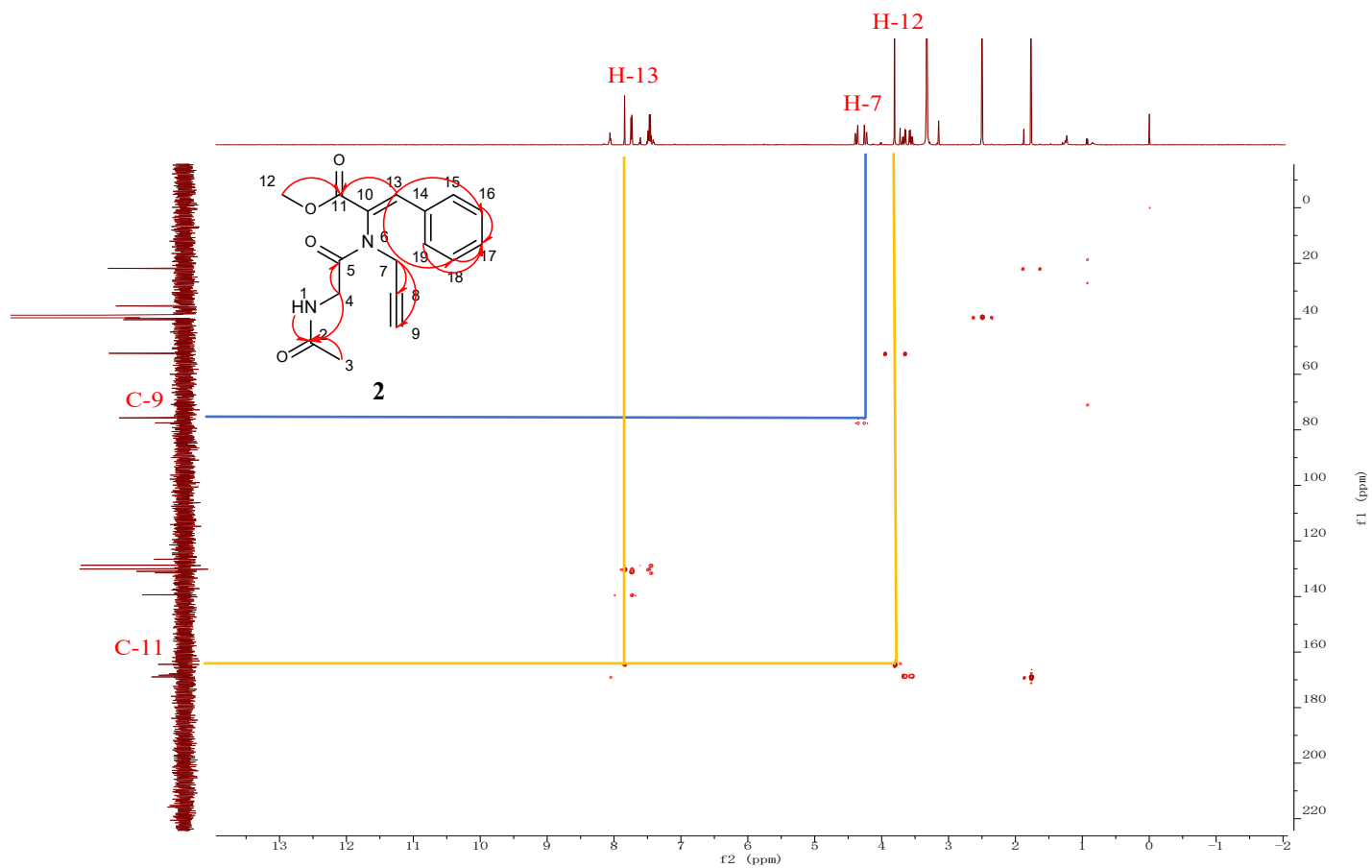


Figure S14. HMBC spectrum of compound **2** in DMSO-*d*₆.

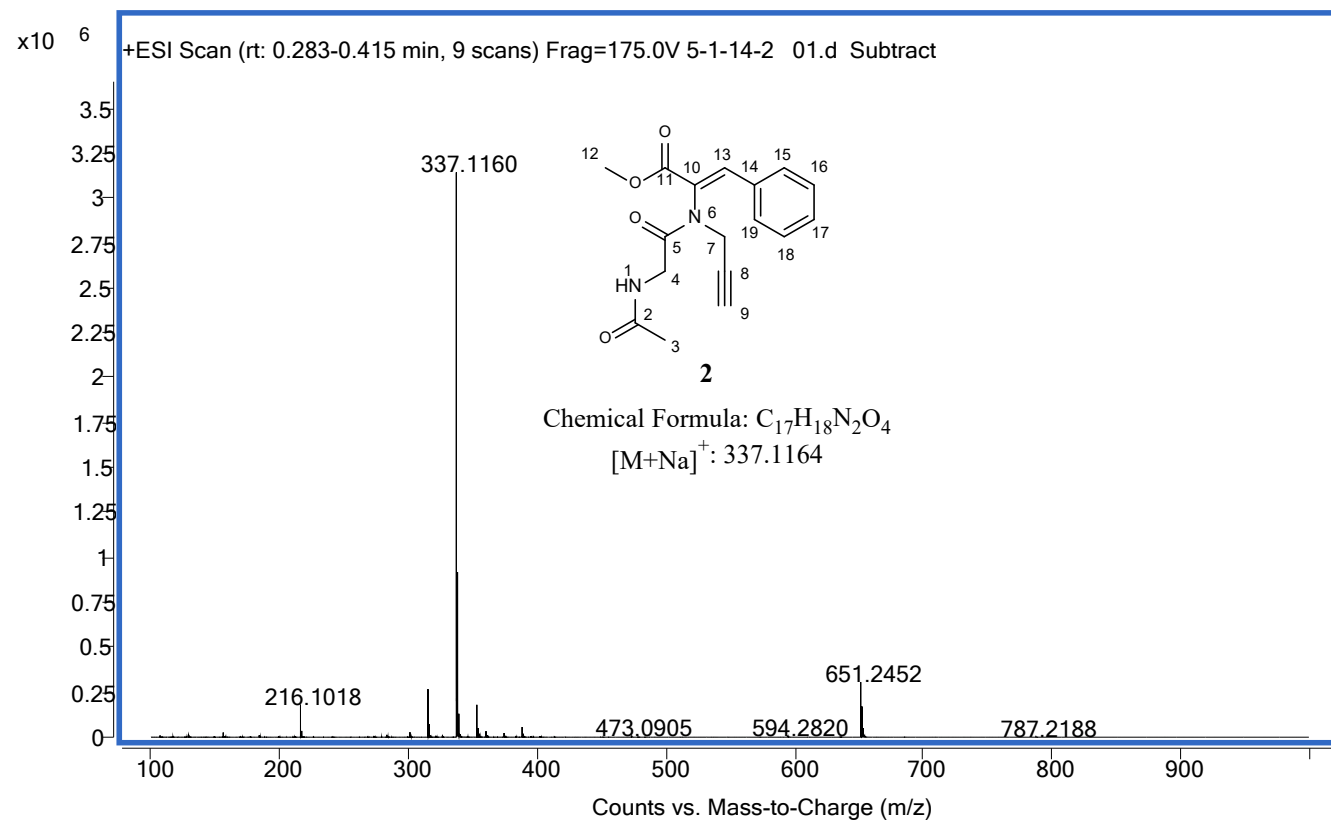


Figure S15. HRESIMS spectrum (positive ion mode) of compound **2**.

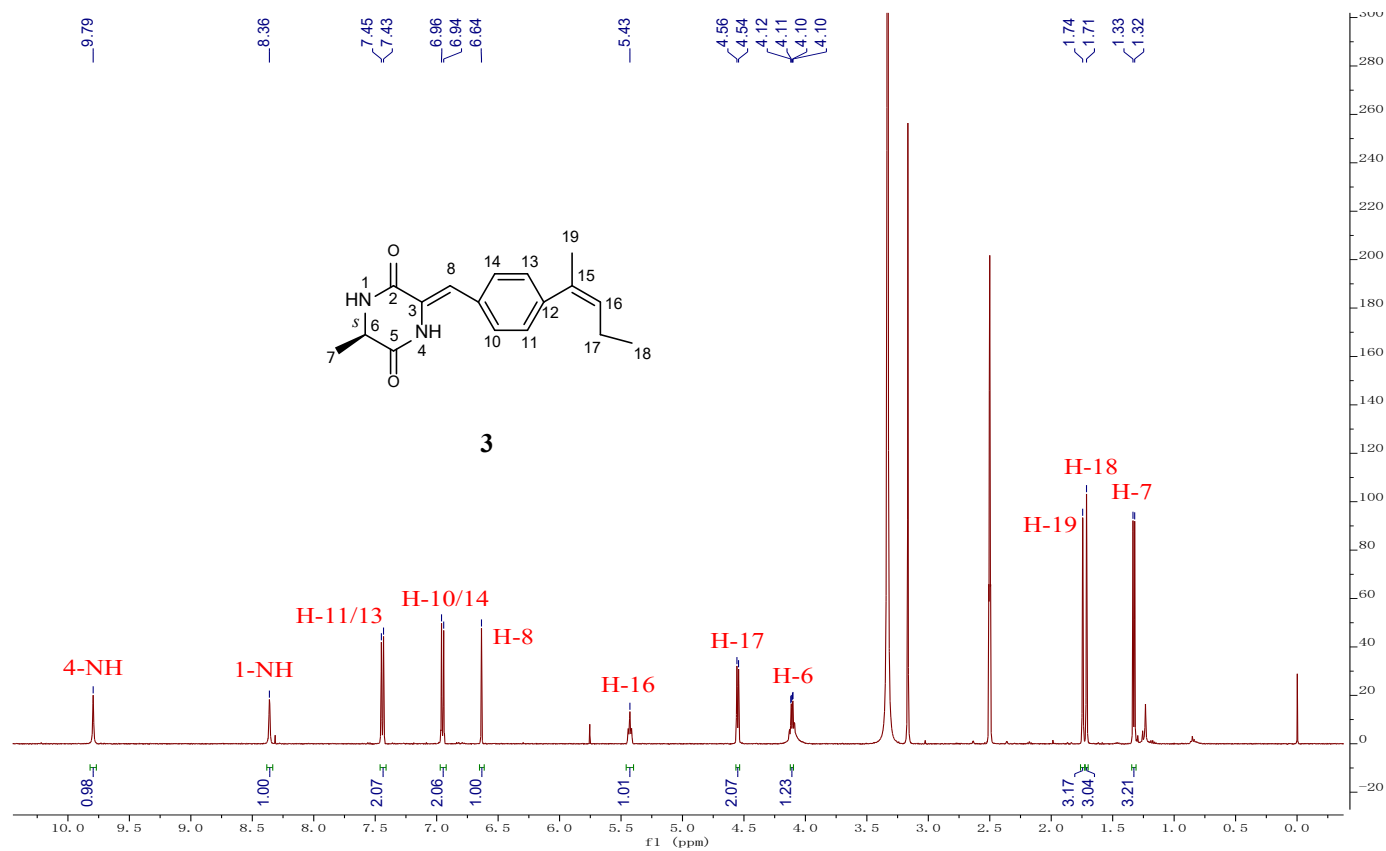


Figure S16. ^1H NMR spectrum of compound **3** in $\text{DMSO}-d_6$ (500 MHz).

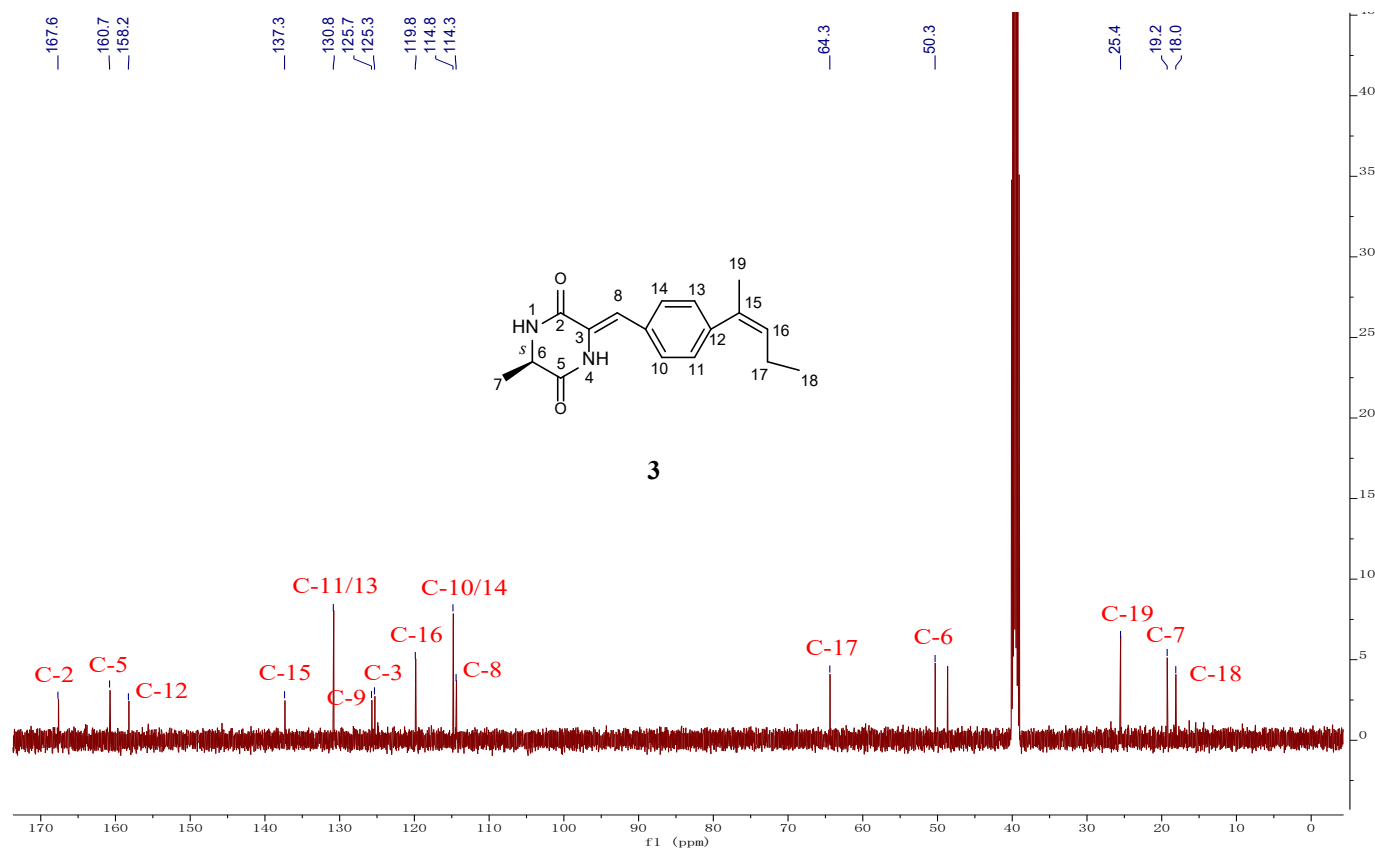


Figure S17. ^{13}C NMR spectrum of compound **3** in $\text{DMSO-}d_6$ (125 MHz).

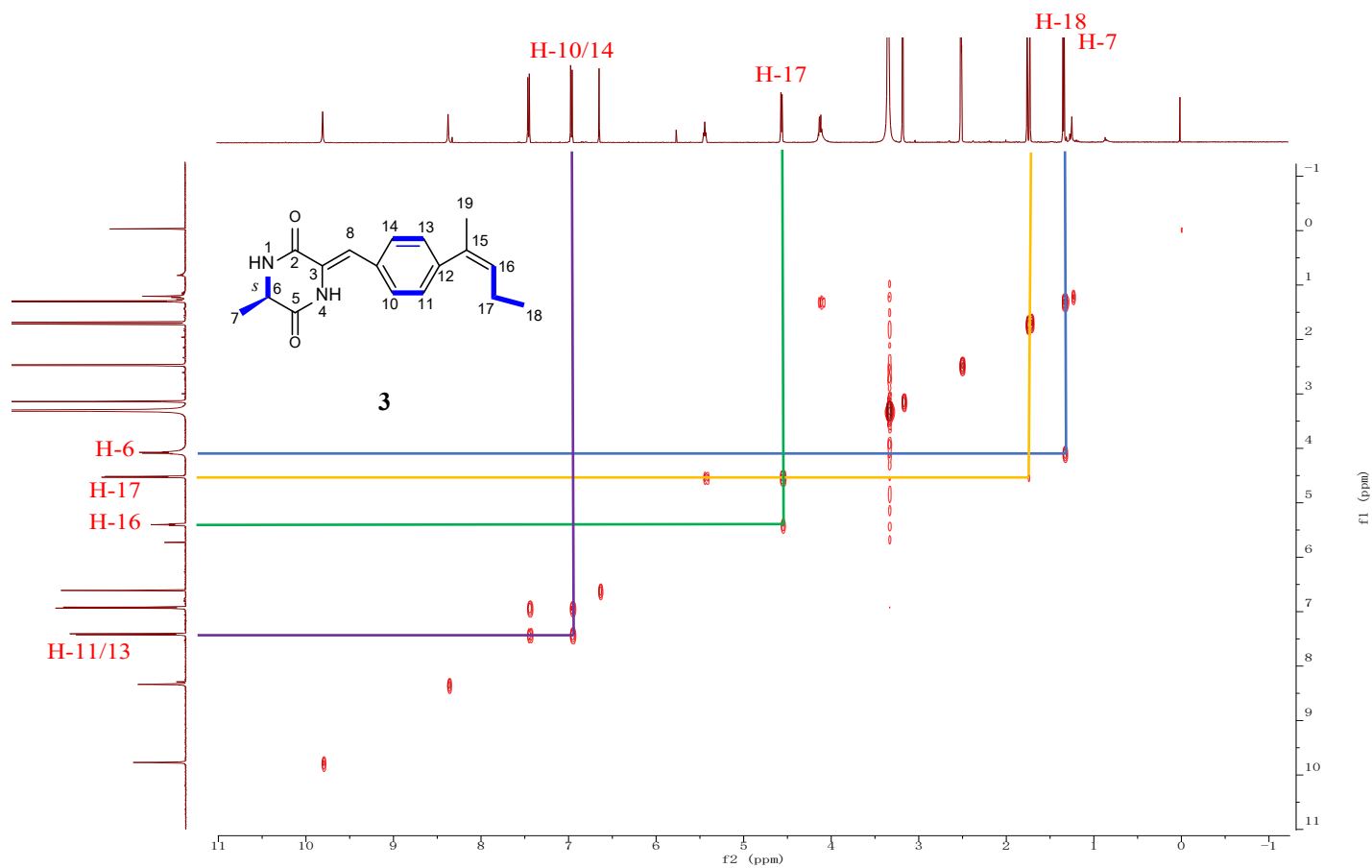


Figure S18. ^1H - ^1H COSY spectrum of compound **3** in $\text{DMSO}-d_6$.

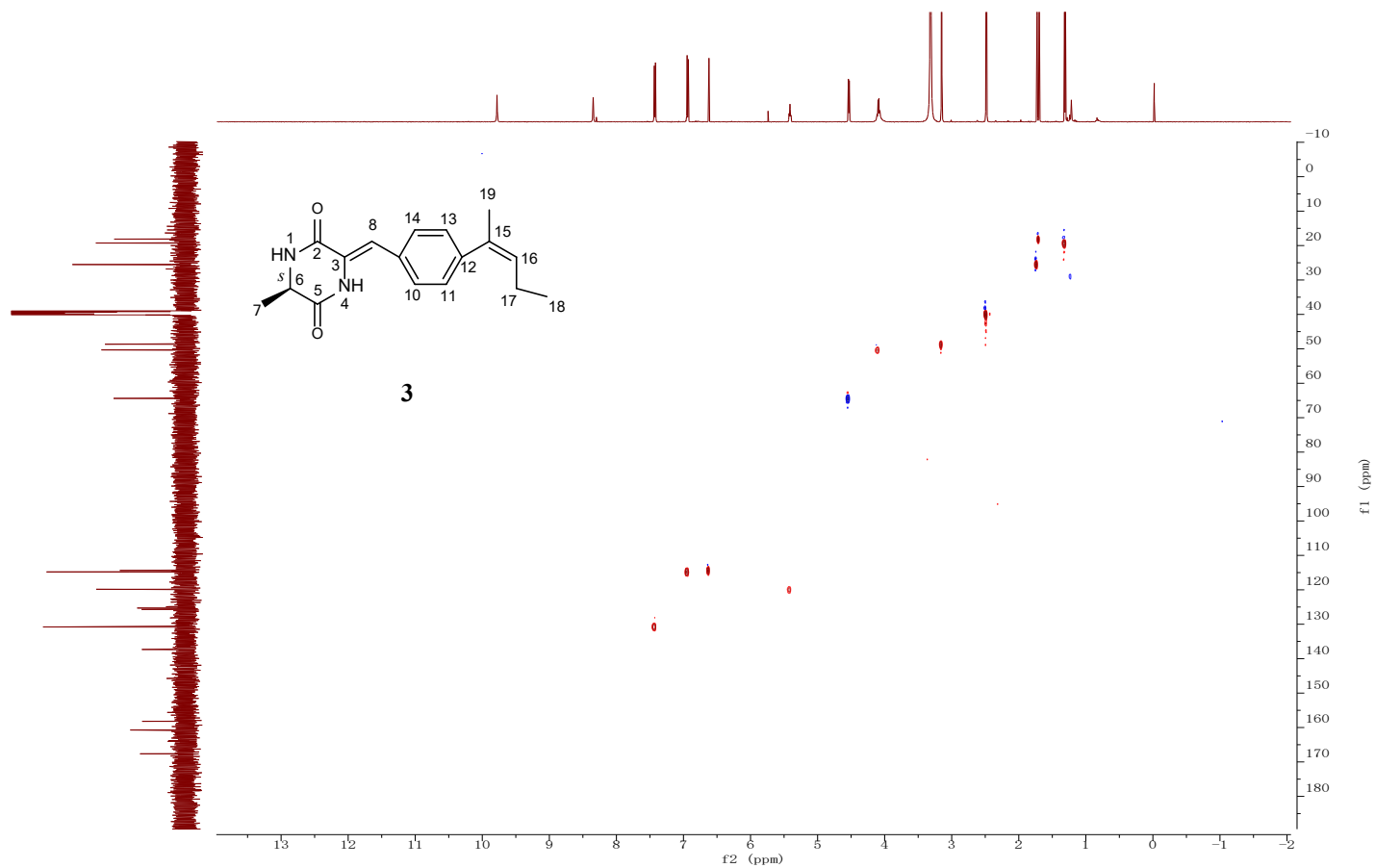


Figure S19. HSQC spectrum of compound **3** in DMSO-*d*₆.

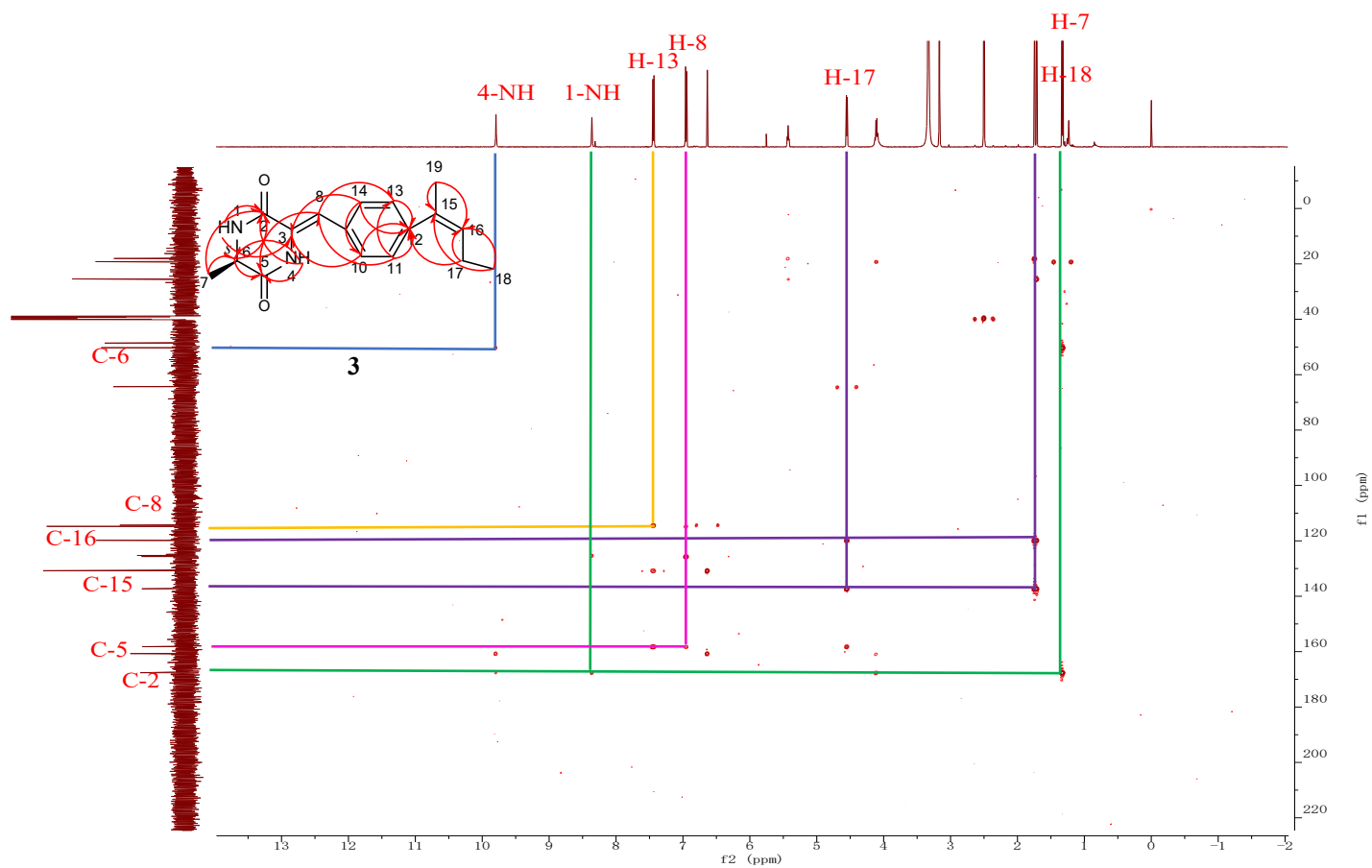


Figure S20. HMBC spectrum of compound **3** in DMSO- d_6 .

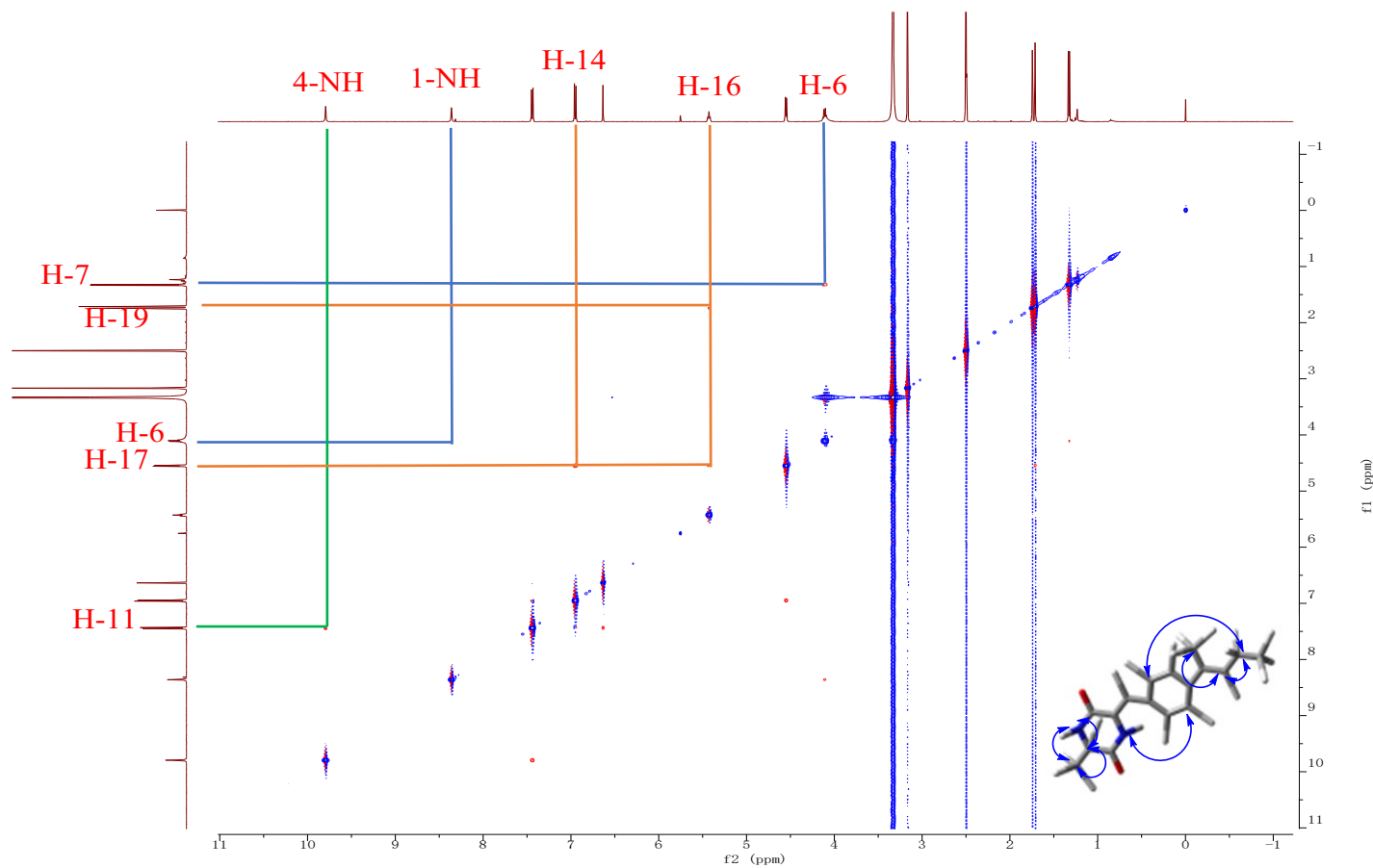


Figure S21. NOESY spectrum of compound **3** in DMSO- d_6 .

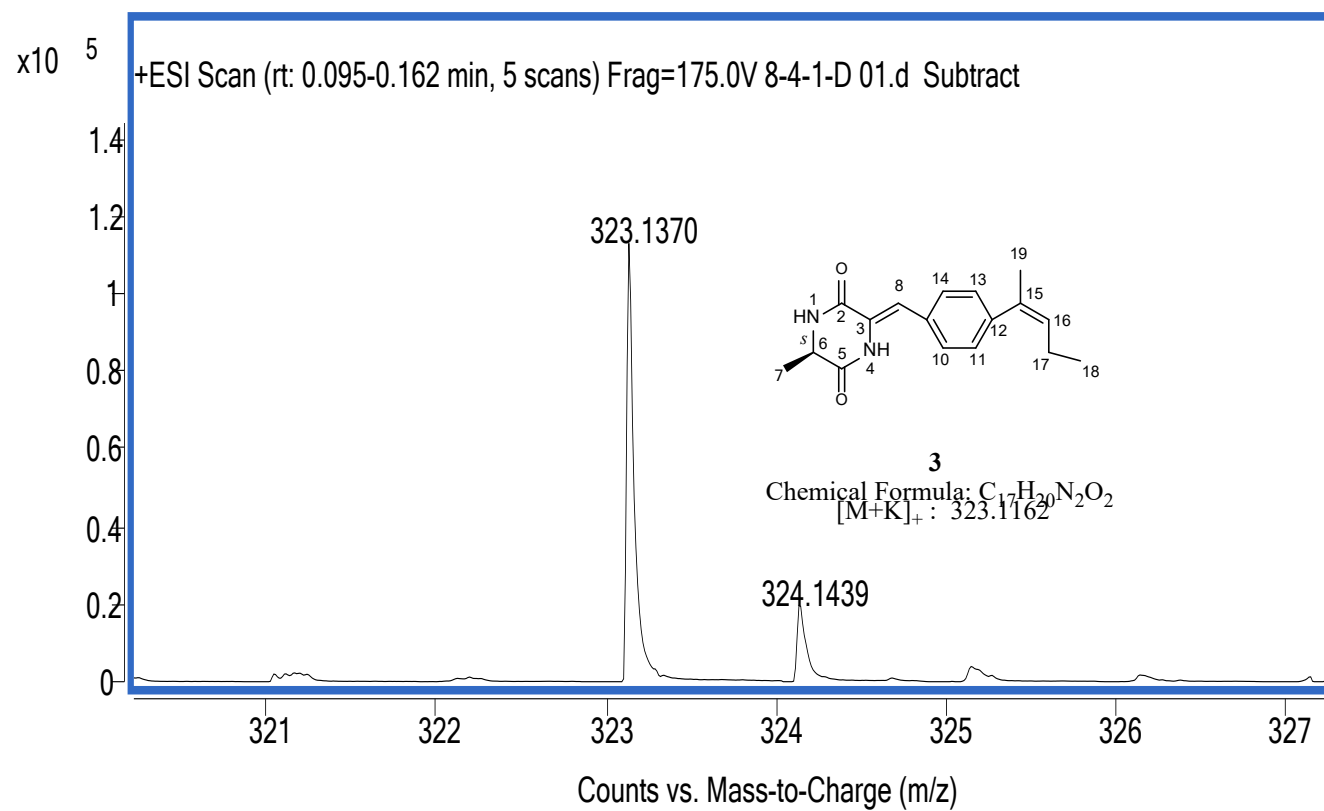


Figure S22. HRESIMS spectrum (positive ion mode) of compound **3**.

Table S1. The activity results about antitumor of compound **3**.

Compound	Concentration(μ M)	Cell inhibition \pm SD (%)			
		K-562	786-O	TE-1	5637
3	20	12.54 \pm 0.90	10.50 \pm 2.44	3.12 \pm 2.51	-8.57 \pm 2.14
Compound	Concentration(μ M)	Cell inhibition \pm SD (%)			
		A549	MKN-45	HCT 116	HeLa
3	20	0.34 \pm 2.89	-9.53 \pm 2.83	2.36 \pm 1.34	4.32 \pm 0.76
Compound	Concentration(μ M)	Cell inhibition \pm SD (%)			
		GBC-SD	L-02	MCF7	HepG2
3	20	9.14 \pm 0.40	0.68 \pm 2.33	-2.20 \pm 3.23	-9.74 \pm 3.55
Compound	Concentration(μ M)	Cell inhibition \pm SD (%)			
		SF126	DU145	CAL-62	PATU8988T
3	20	-0.89 \pm 3.61	-1.23 \pm 3.79	-4.54 \pm 3.43	-13.91 \pm 1.81
Compound	Concentration(μ M)	Cell inhibition \pm SD (%)			
		HOS	A-375	A-673	293T
3	20	2.55 \pm 4.62	-11.95 \pm 0.26	8.17 \pm 2.02	0.14 \pm 1.80

Table S2. The activity results about anti-inflammatory of compounds **1–3**.

	1	2	3	dexamethasone
Inhibition±SD (%)	26.31±11.58	28.92±3.49	21.08±9.24	25.87±15.16