

Supplementary Material

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Characterization of Z-01.

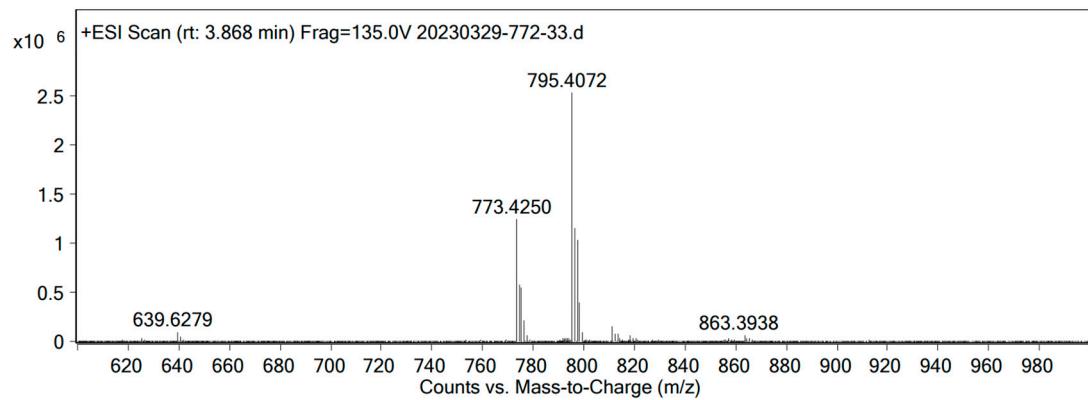


Figure S1. HRMS spectrum of **Z-01**.

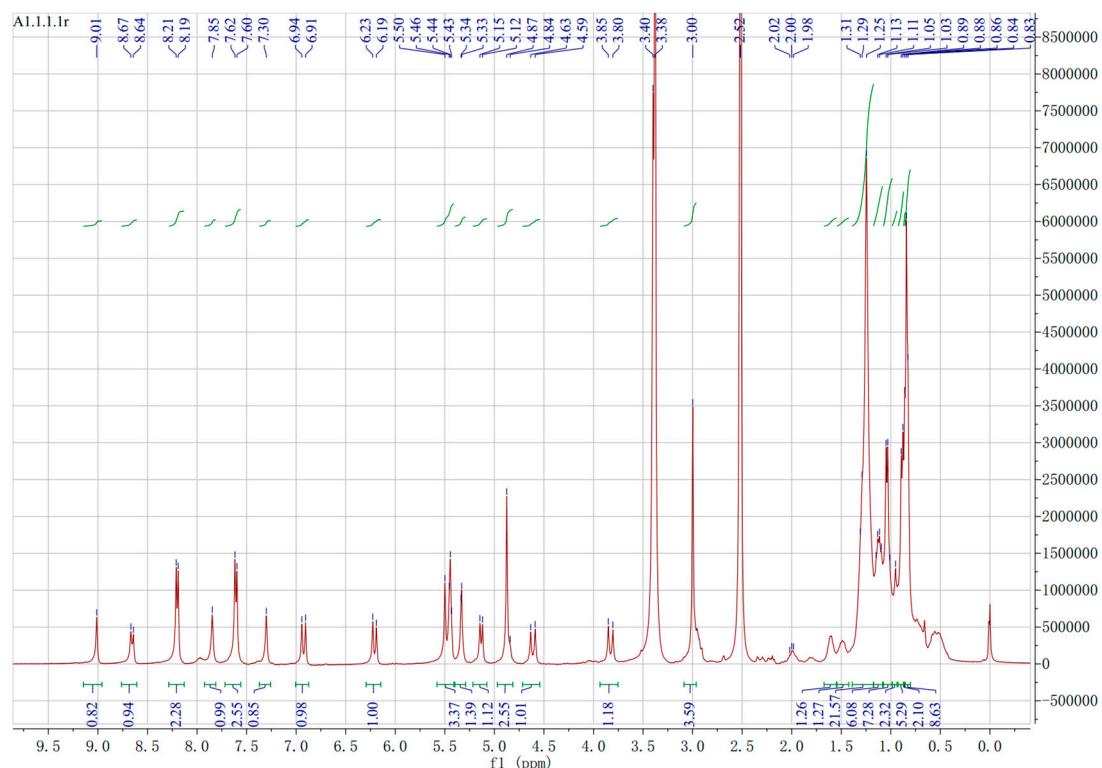


Figure S2. ¹H NMR spectrum of **Z-01** in DMSO-*d*6.

Characterization of Z-02.

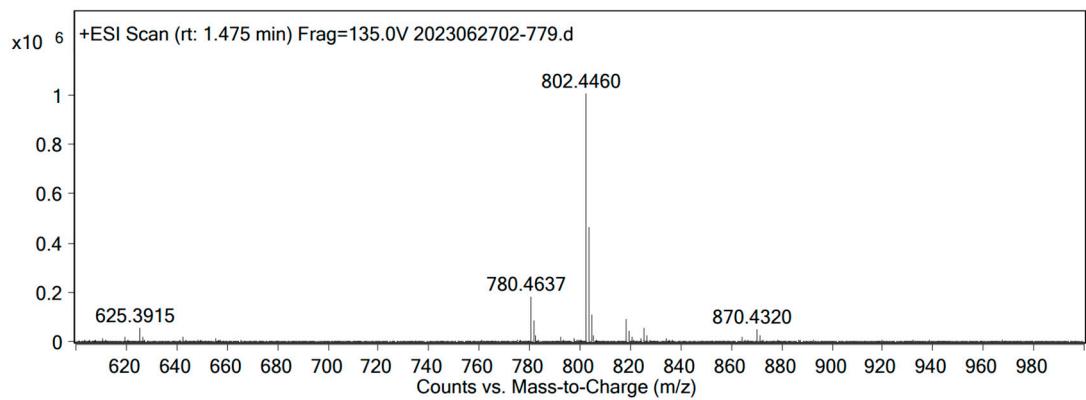


Figure S3. HRMS spectrum of **Z-02**.

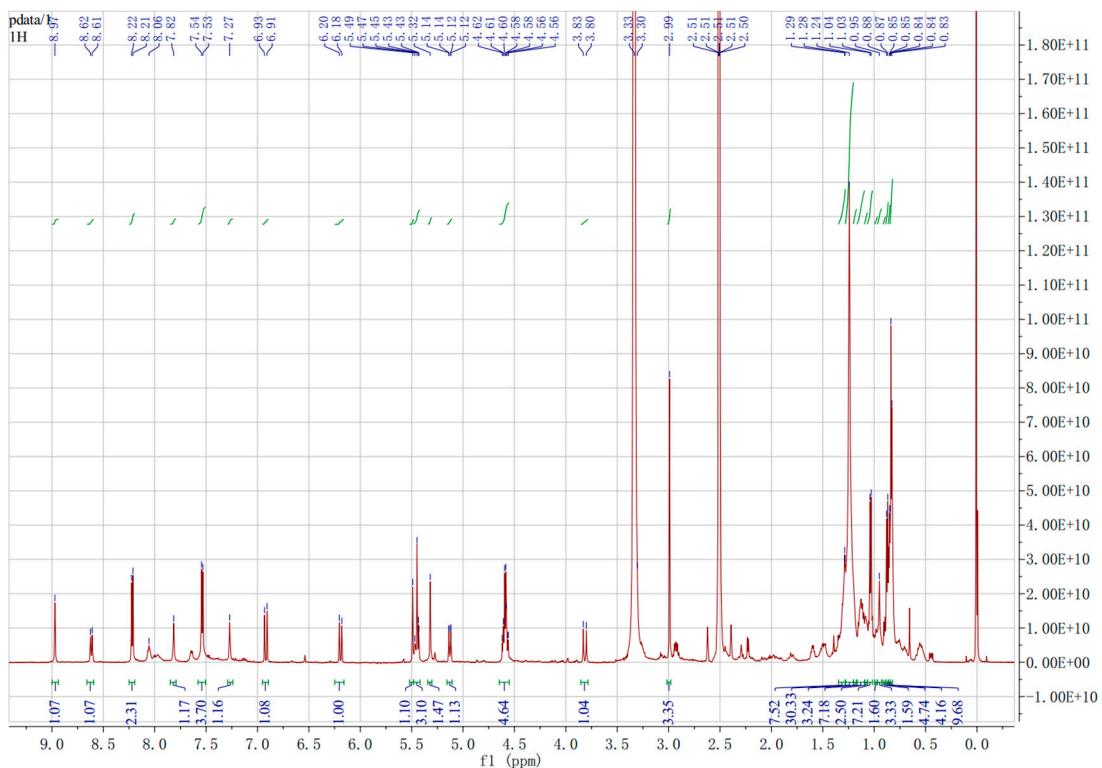


Figure S4. ¹H NMR spectrum of **Z-02** in DMSO-*d*6.

Characterization of FIMP2.

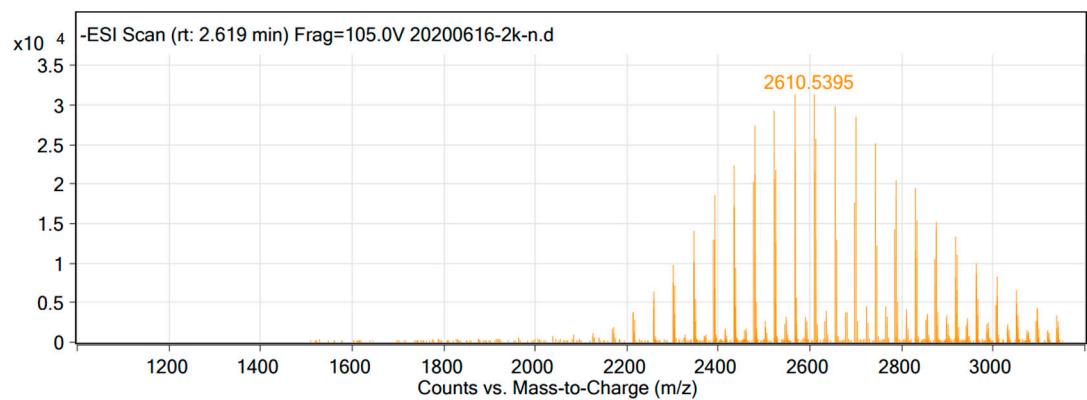


Figure S5. HRMS spectrum of FIMP2.

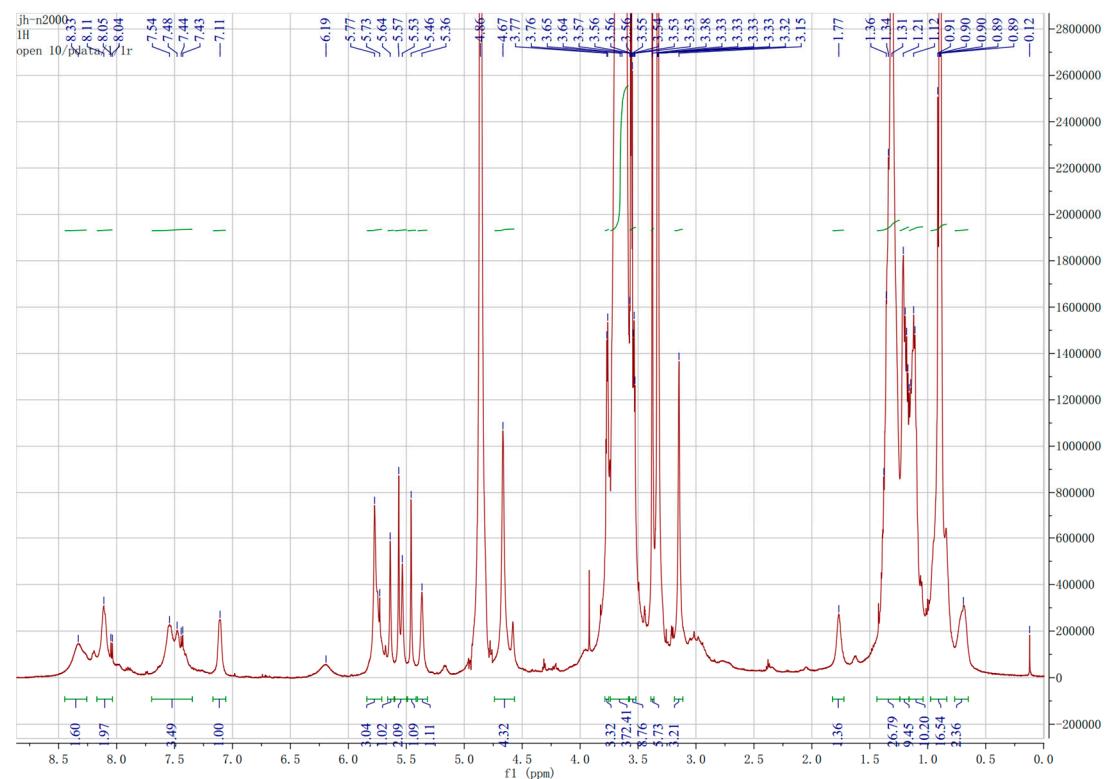


Figure S6. ¹H NMR spectrum of FIMP2 in DMSO-*d*₆.

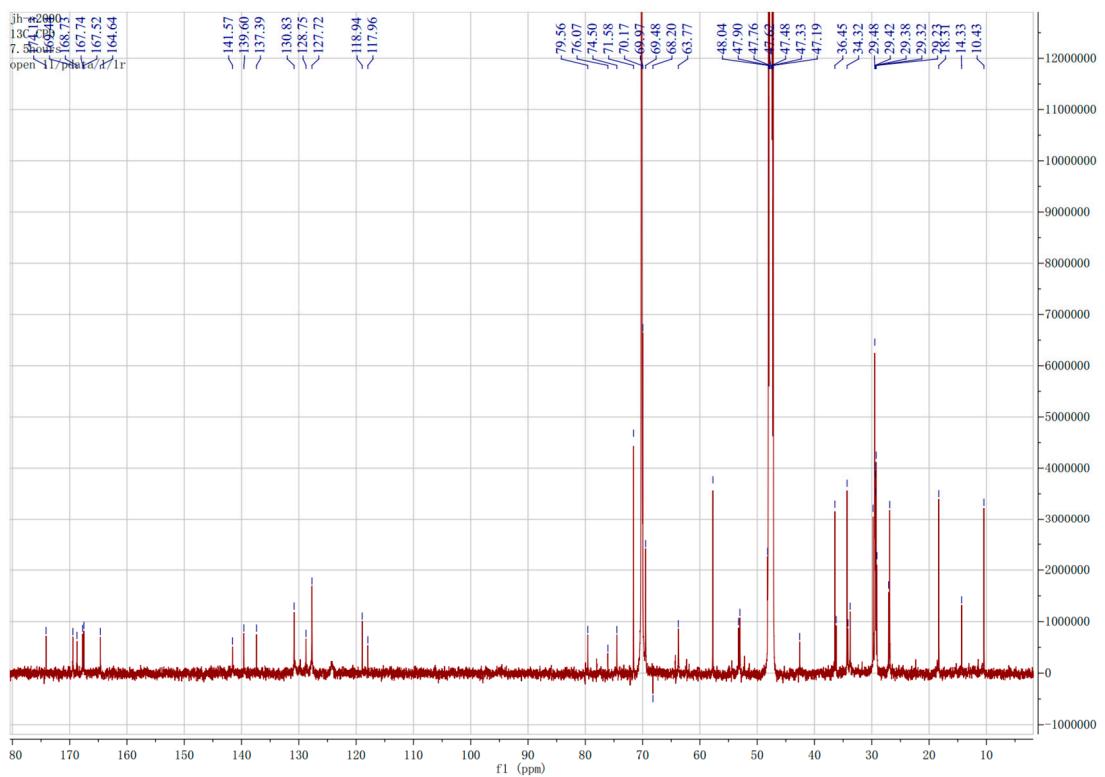


Figure S7. ^{13}C NMR spectrum of **FIMP2** in $\text{DMSO}-d_6$.

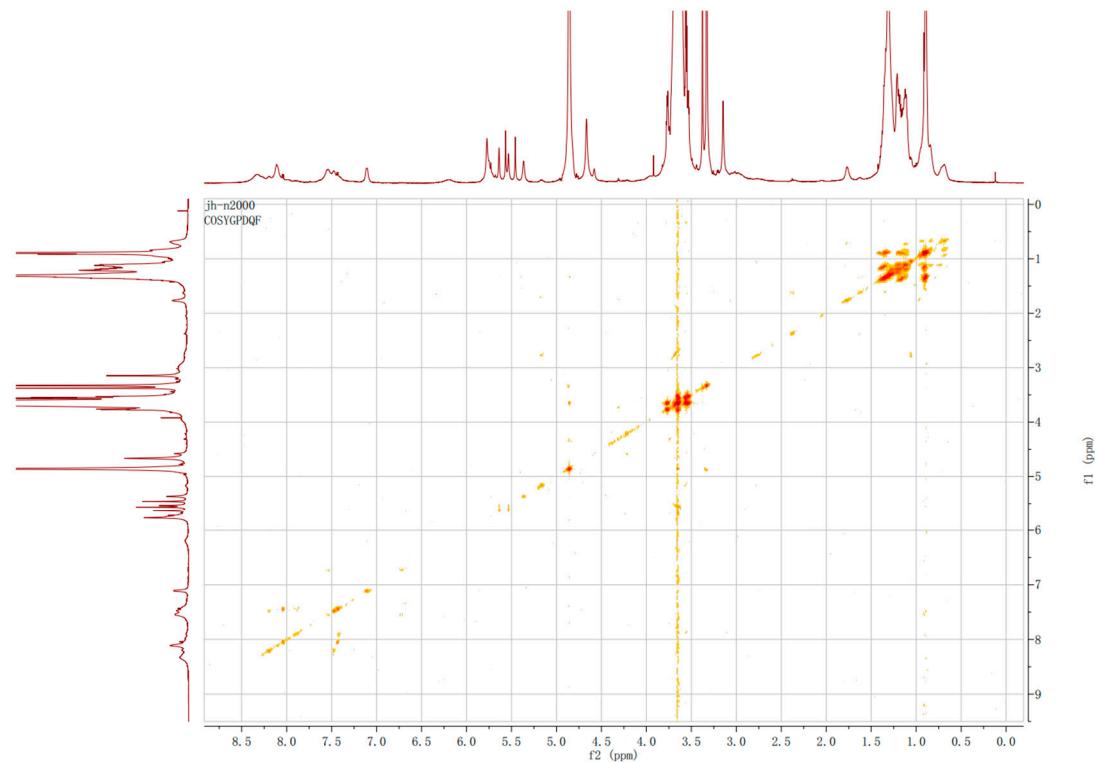


Figure S8. COSY spectrum of **FIMP2**.

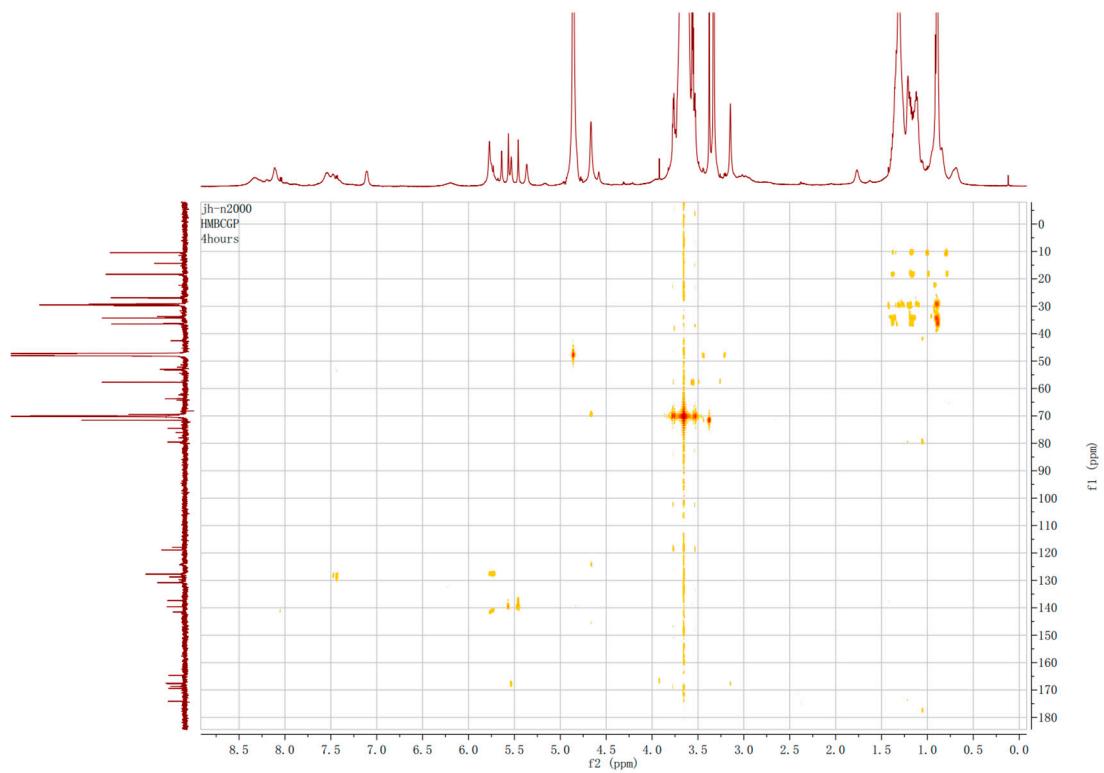


Figure S9. HMBC spectrum of FIMP2.

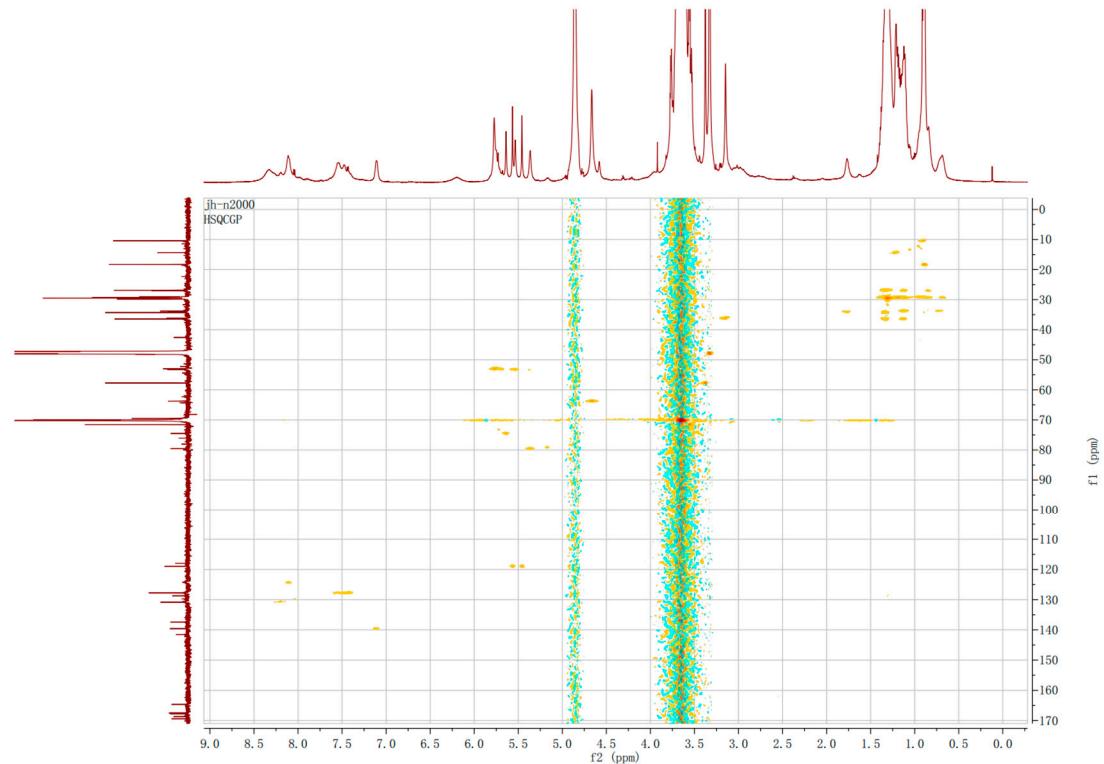


Figure S10. HSQC spectrum of FIMP2.

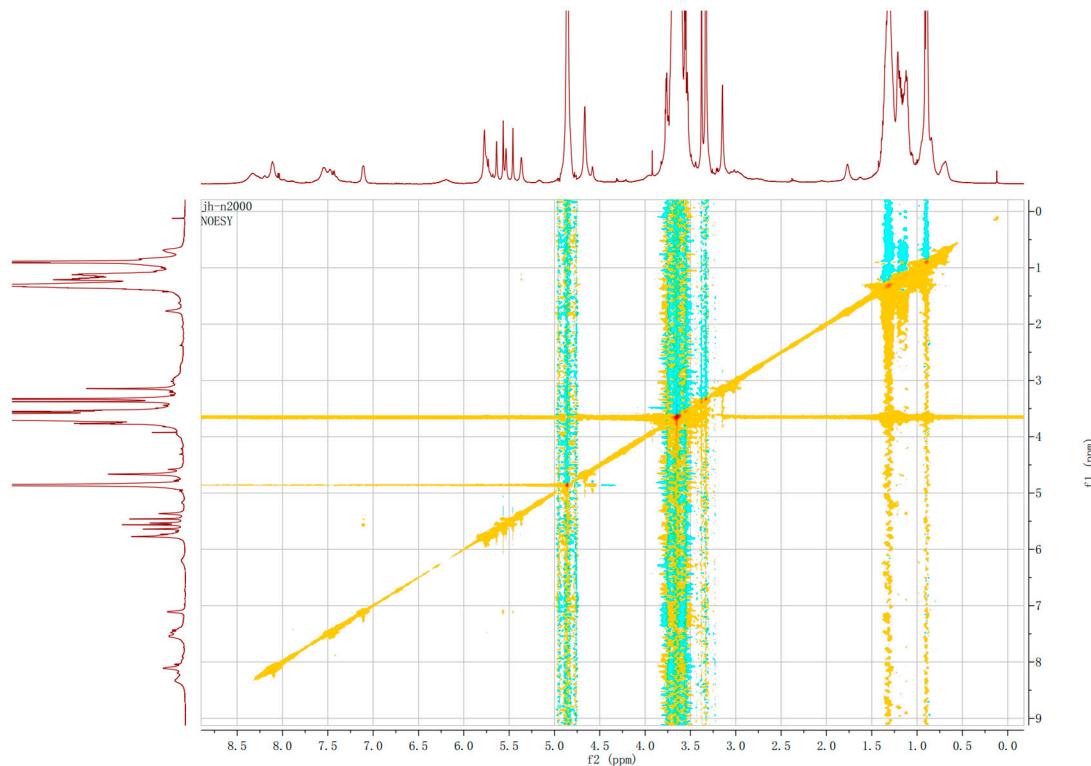


Figure S11. NOESY spectrum of **FIMP2**.

Table S1. Anticancer activity by Hypoxia and Normoxia against HCT-8, PANC-1, Caco-2 cells.

conditions	compound	IC ₅₀ (μM)		
		HCT-8	PANC-1	Caco-2
Normoxia	B1	0.519	0.815	0.586
	FIMP2	47.641	40.79	39.505
Hypoxia	B1	0.43	0.486	0.457
	FIMP2	34.395	36.205	30.482

Table S2 NMR Spectroscopic Data (600 MHz, DMSO-*d*6) for **FIMP2** in DMSO-*d*6.

Position	δ_{C} , mult.	δ_{H}
1	167.7, qC	-
2	53.3, CH	5.53
3	74.5, CH	5.64
4	174.1, qC	-
5	167.5, qC	-
6	53.0, CH ₂	5.77
7	36.2, CH ₃	3.15, s
8	164.6, qC	-
9	118.0, CH	

10	139.6, CH	7.11
11	137.4, qC	-
12	118.9, CH ₂	5.57, s 5.46, s
13	169.4, qC	-
14	57.8, CH	3.38
15	79.6, CH	5.36
16	34.3, CH	1.36, m
17	33.8, CH ₂	1.11, m 0.69, m
18	27.1, CH ₂	1.12, m 0.84, m
19	29.4, CH ₂	1.32, m
20	29.4, CH ₂	1.32, m
21	29.4, CH ₂	1.32, m
22	29.4, CH ₂	1.32, m
23	29.4, CH ₂	1.32, m
24	29.4, CH ₂	1.32, m
25	29.4, CH ₂	1.32, m
26	26.9, CH ₂	1.34, m
27	36.5, CH ₂	1.35, m 1.13, m
28	34.2, CH	1.77, m
29	29.1, CH ₂	0.93, m
30	10.4, CH ₃	0.90
31	14.3, CH ₃	1.21
32	13.2, CH ₃	1.12
33	18.3, CH ₃	0.89, d (2.4)
1'	168.7	
2'	128.8	
3'	130.8	8.33, m
4'	127.7	7.50, m
5'	141.6	
6'	127.7	7.50, m
7'	130.8	8.33, m
8'	63.8	4.67, s
9'	124.3	
10'	129.8	8.11, s