Supporting Information

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Polyketides and Alkaloids from the Fungus *Penicillium* sp.

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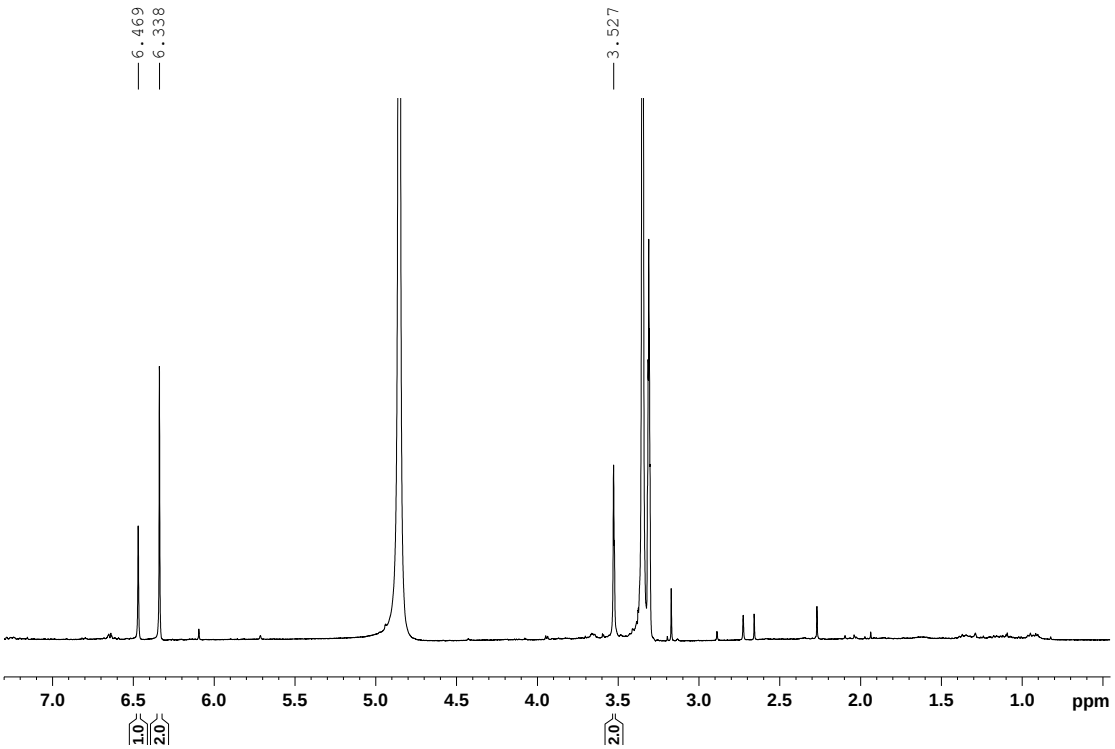


Figure S1: ^{1}H NMR spectrum of **1** in methanol-d_4 (400 MHz)

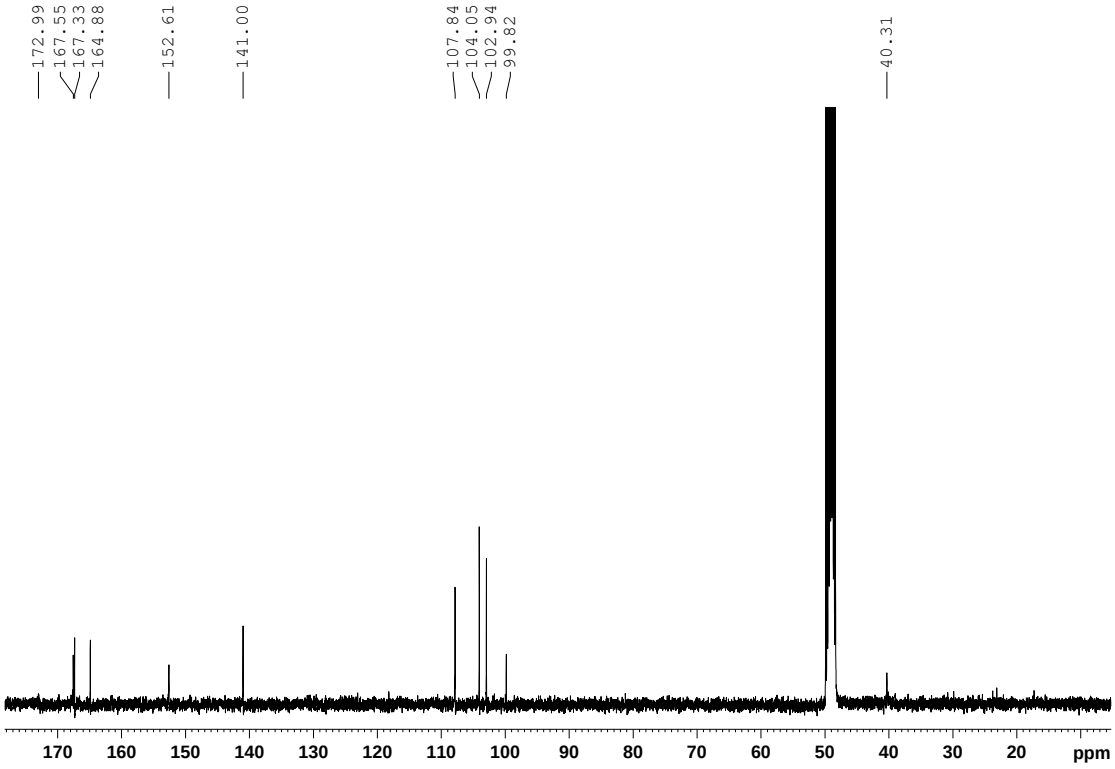


Figure S2: ^{13}C NMR spectrum of **1** in methanol-d_4 (100 MHz)

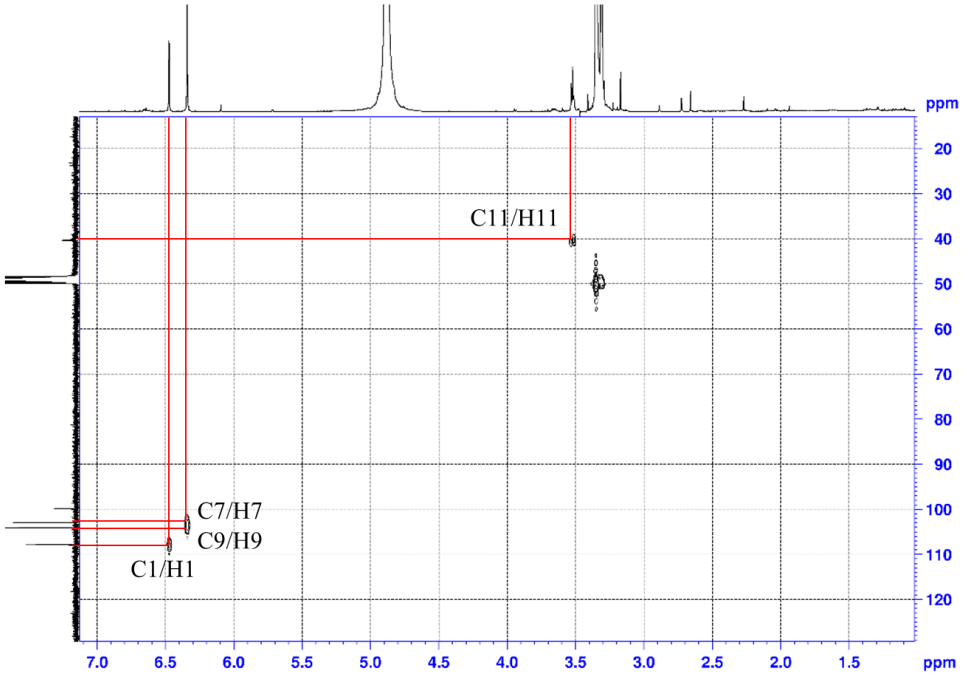


Figure S3: HSQC spectrum of **1** in methanol-d_4.

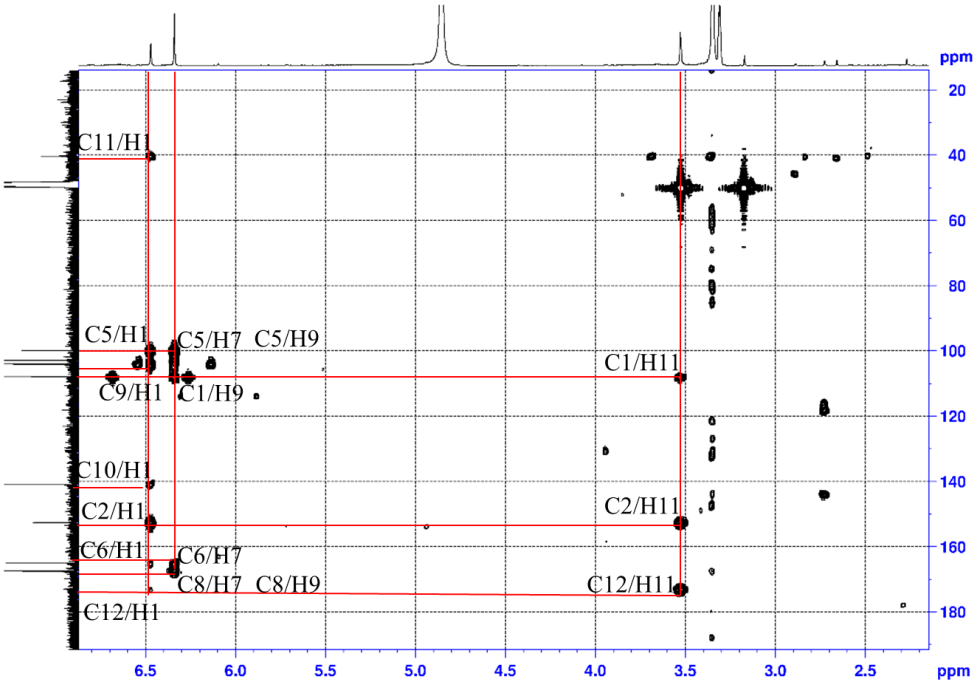


Figure S4: HMBC spectrum of **1** in methanol-d_4.

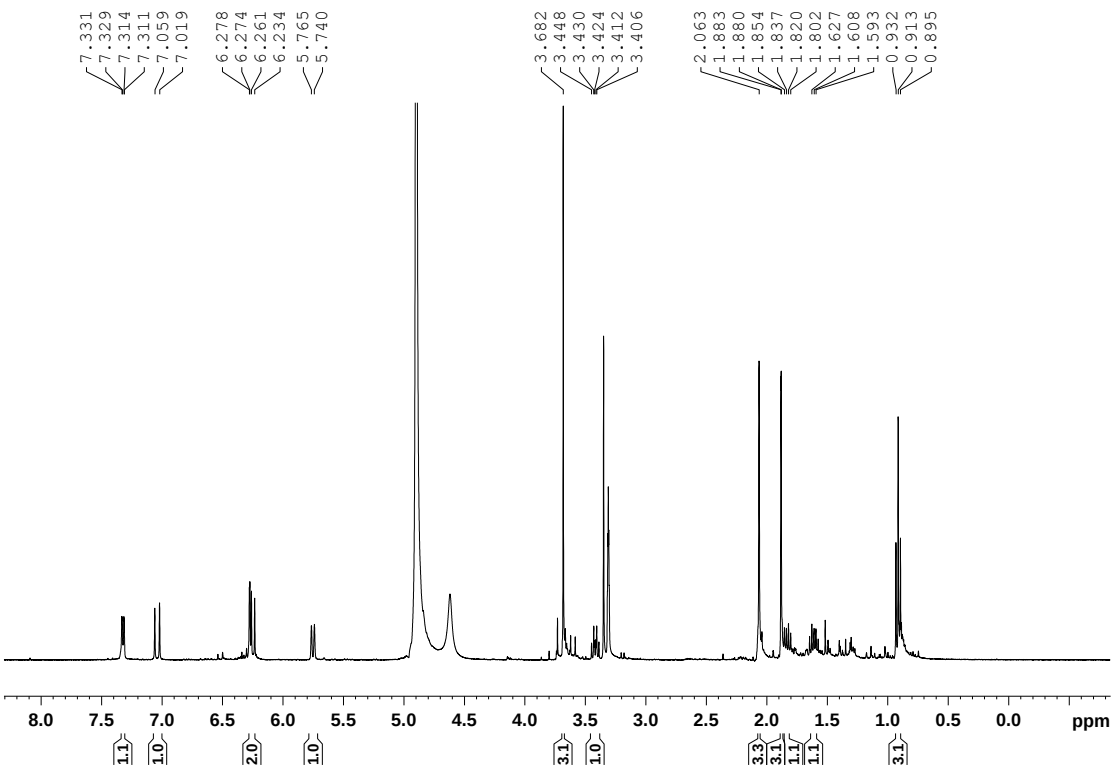


Figure S5: ^{1}H NMR spectrum of **2** in methanol-d_4 (400 MHz)

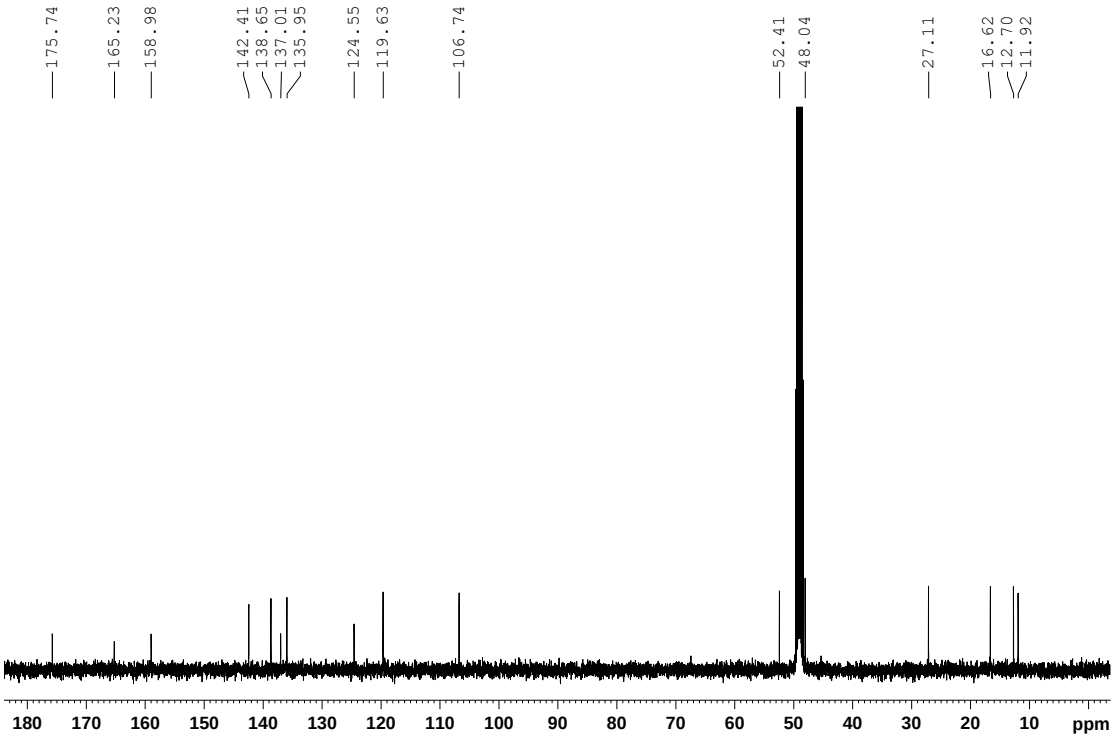


Figure S6: ^{13}C NMR spectrum of **2** in methanol-d_4 (100 MHz)

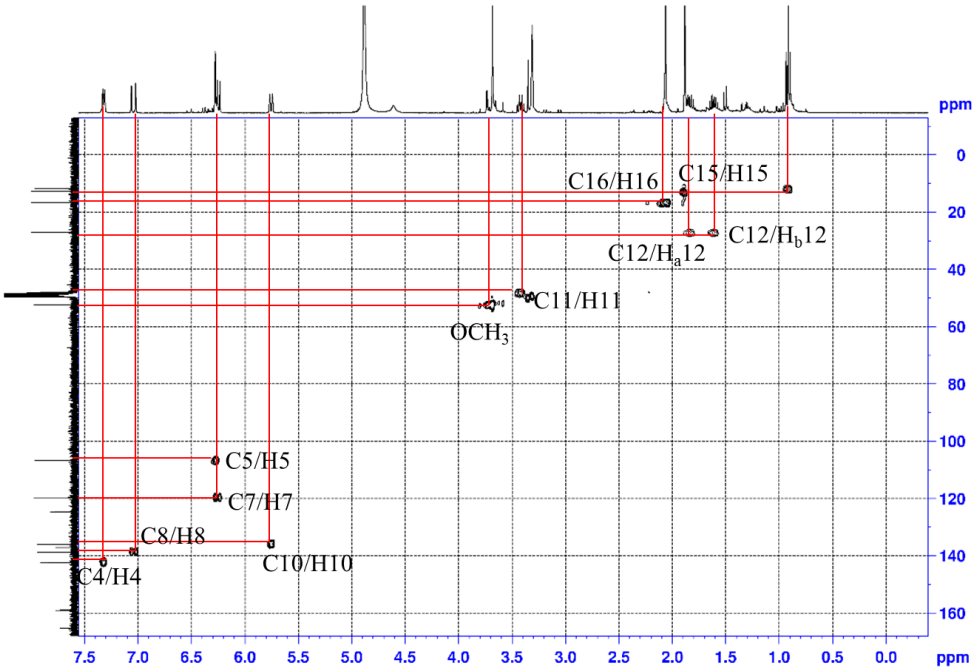


Figure S7: HSQC spectrum of **2** in methanol-d_4

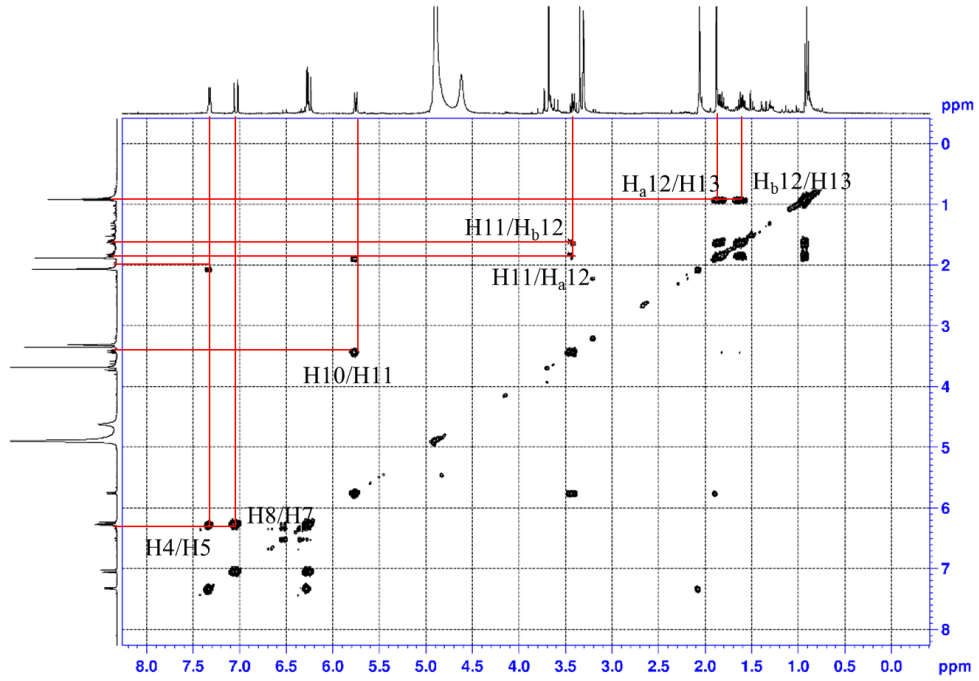


Figure S8: ^{1}H-^{1}H COSY spectrum of **2** in methanol-d_4

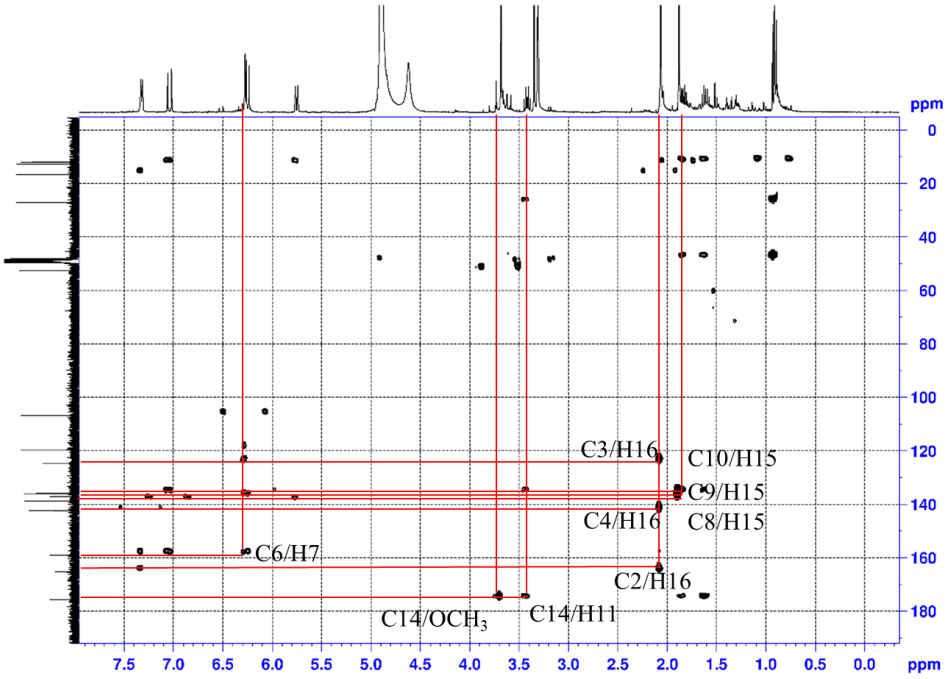


Figure S9: HMBC spectrum of **2** in methanol-d_4

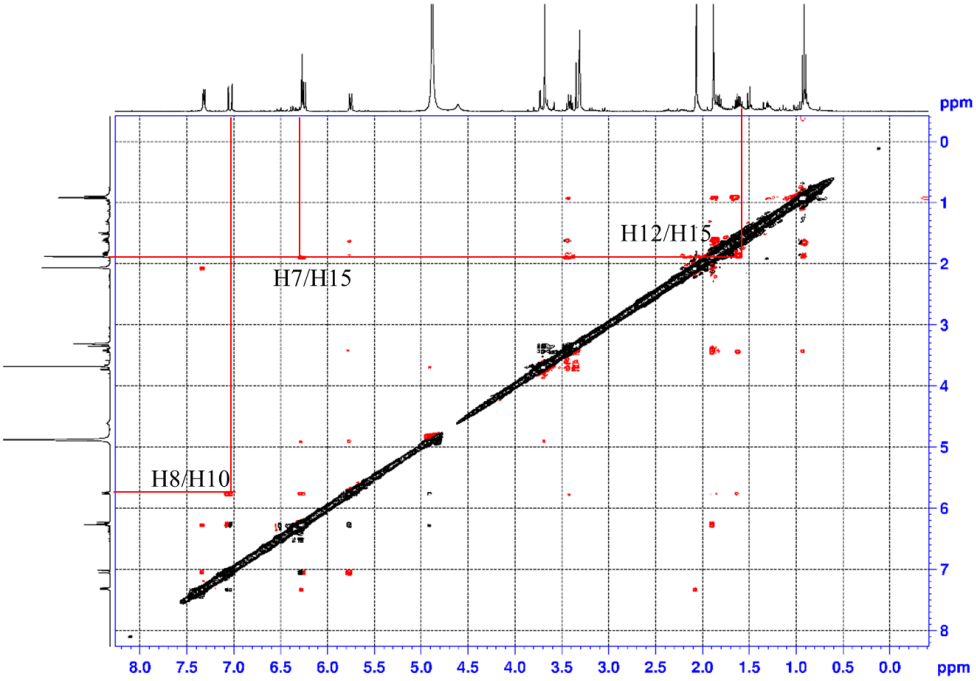


Figure S10: NOESY spectrum of **2** in methanol-d_4

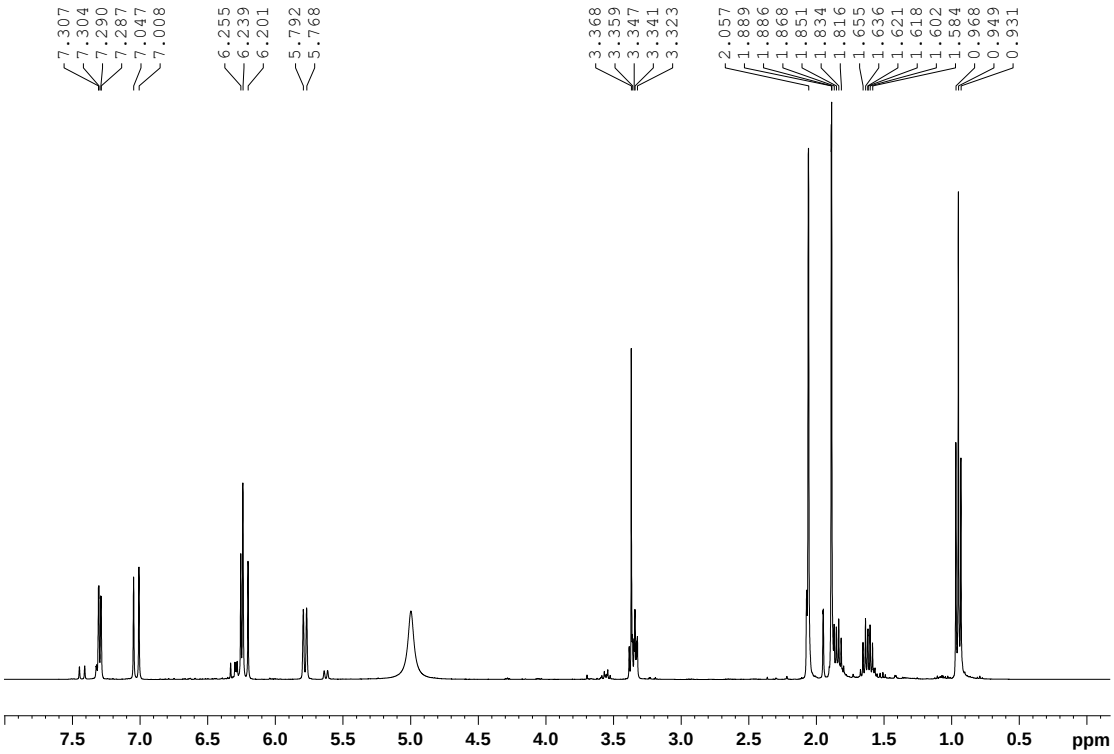


Figure S11: ^{1}H NMR spectrum of **3** in methanol-d_4 (400 MHz)

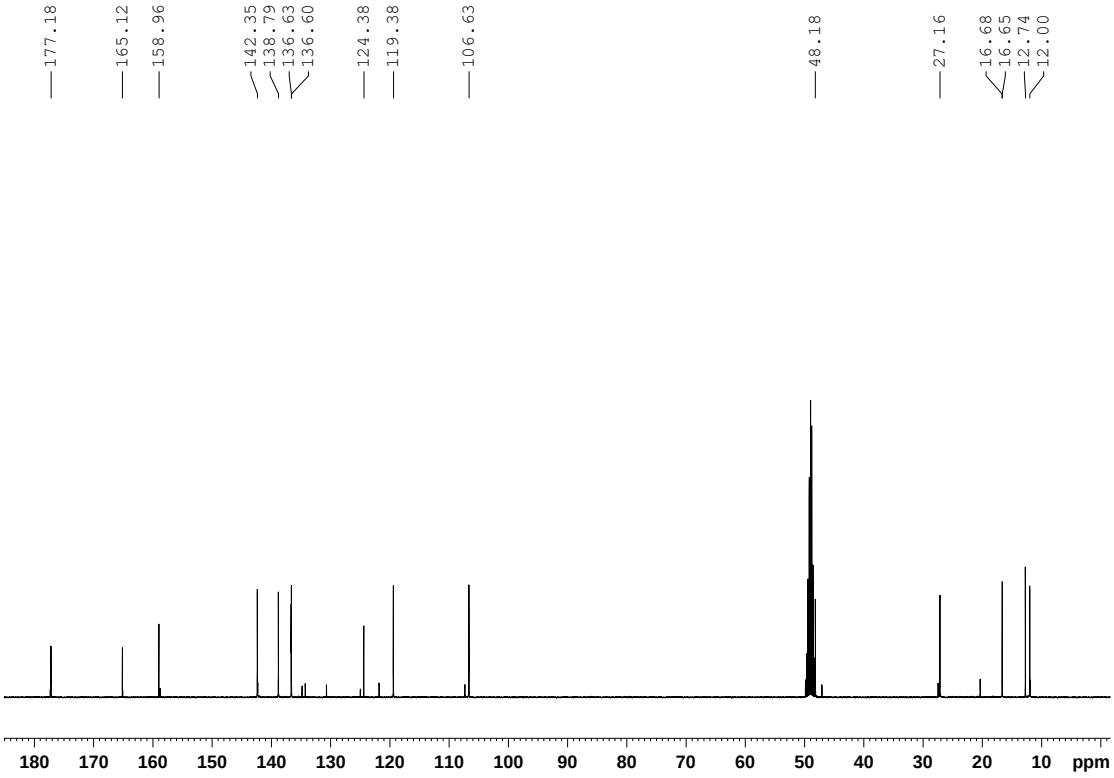


Figure S12: ^{13}C NMR spectrum of **3** in methanol-d_4 (100 MHz)

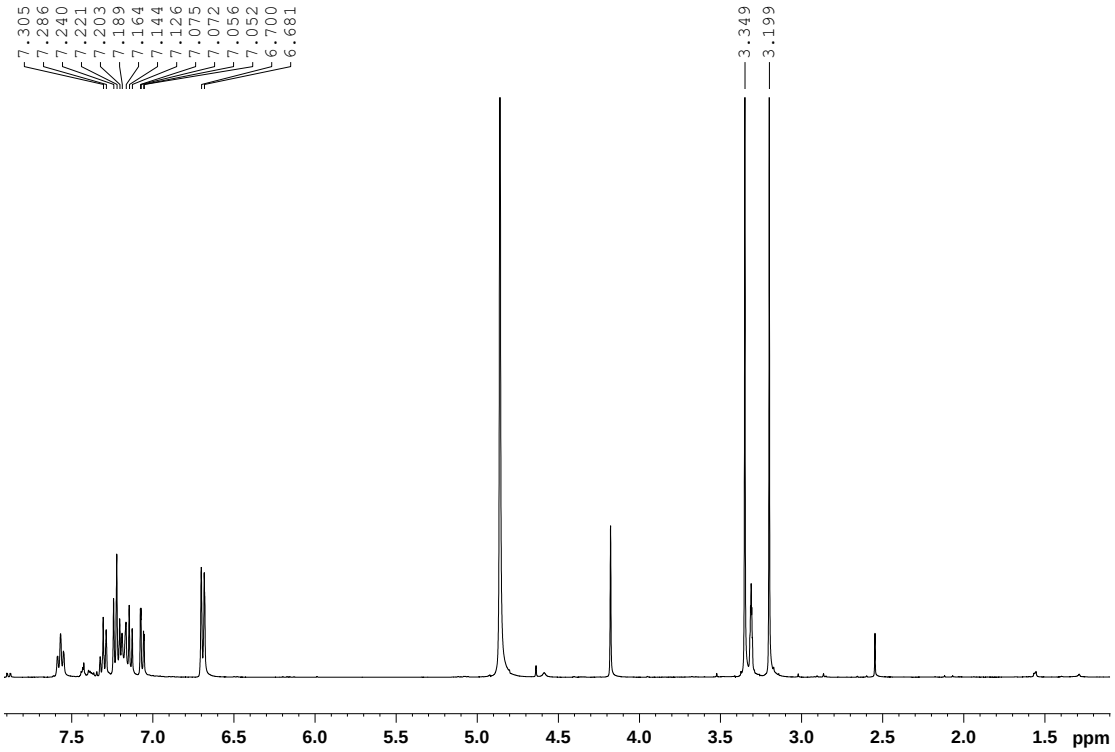


Figure S13: ^{1}H NMR spectrum of **4** in methanol-d_4 (400 MHz)

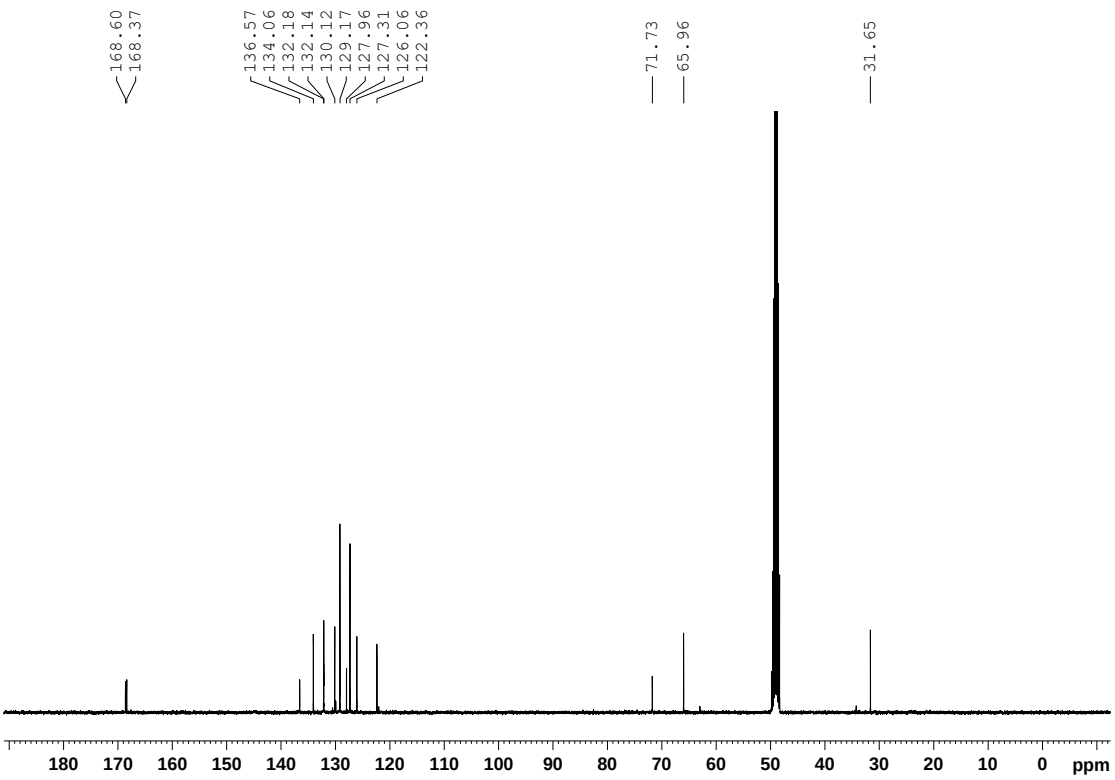


Figure S14: ^{13}C NMR spectrum of **4** in methanol-d_4 (100 MHz)

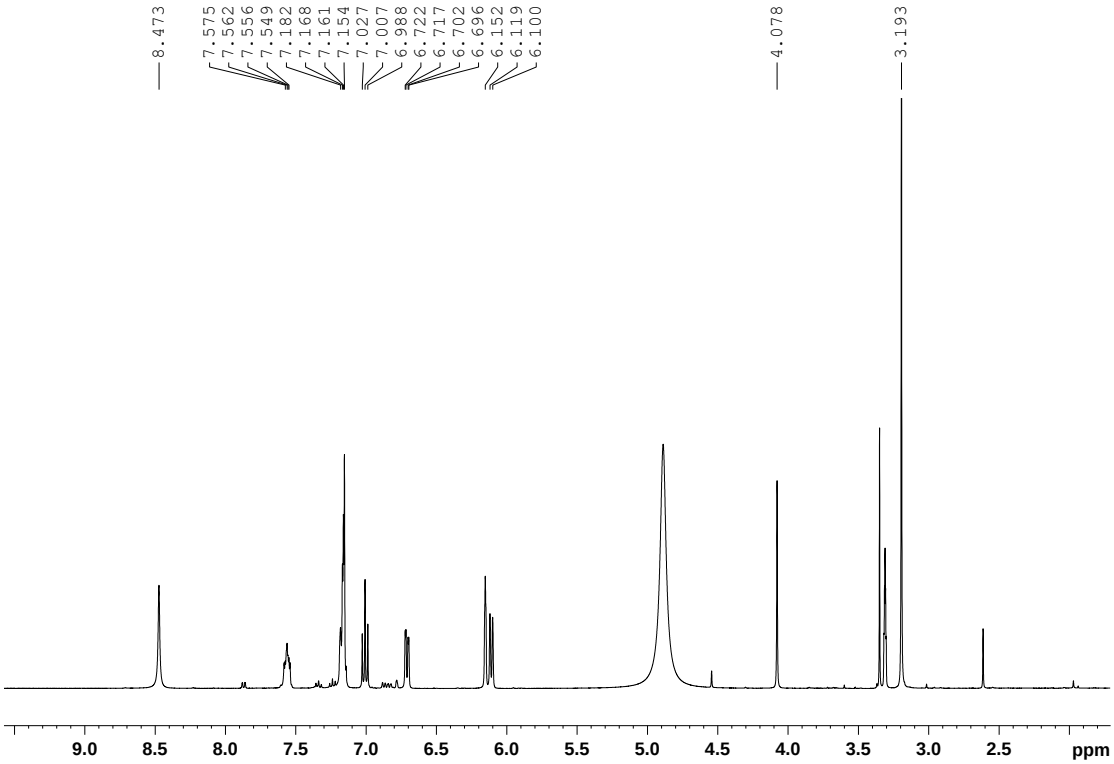


Figure S15: ^{1}H NMR spectrum of **5** in methanol-d_4 (400 MHz)

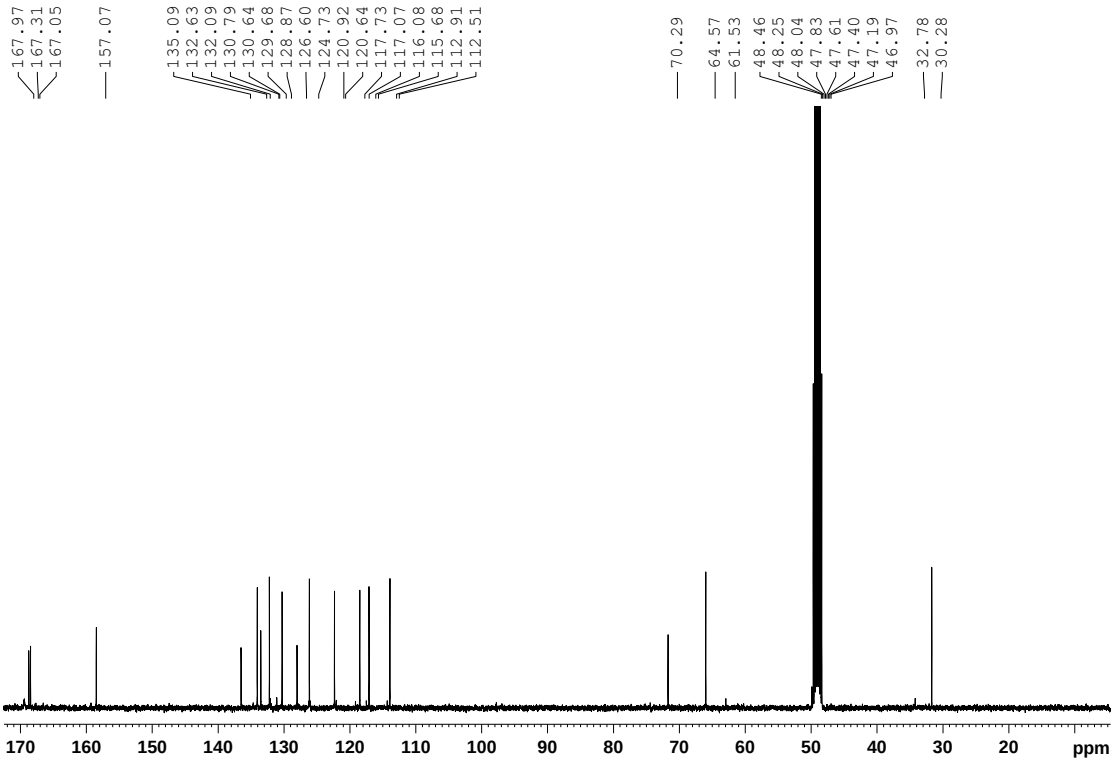


Figure S16: ^{13}C NMR spectrum of **5** in methanol-d_4 (100 MHz)

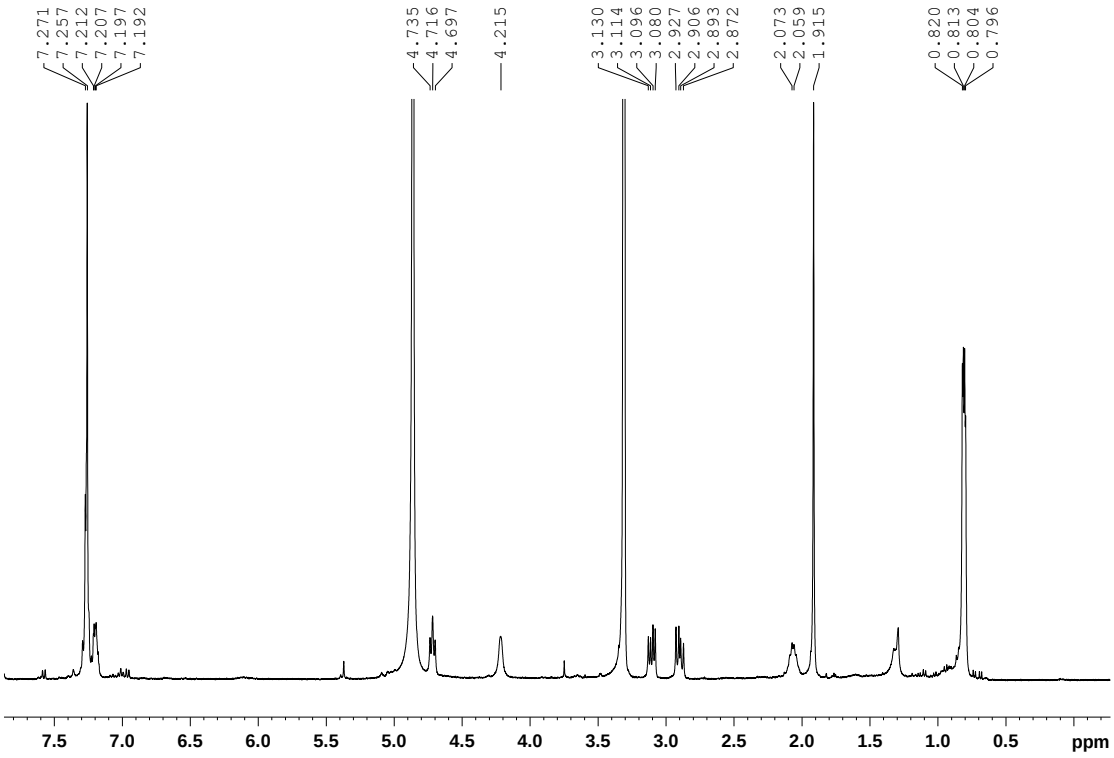


Figure S17: ^{1}H NMR spectrum of **6** in methanol-d_4 (400 MHz)

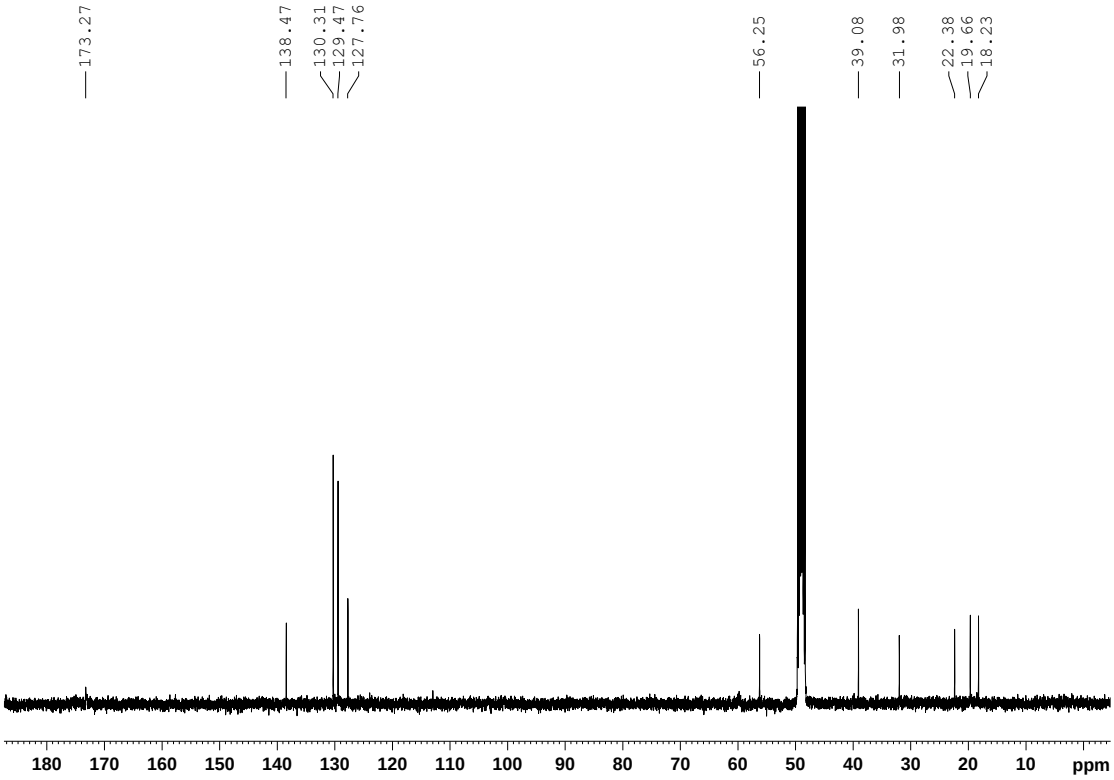


Figure S18: ^{13}C NMR spectrum of **6** in methanol-d_4 (100 MHz)

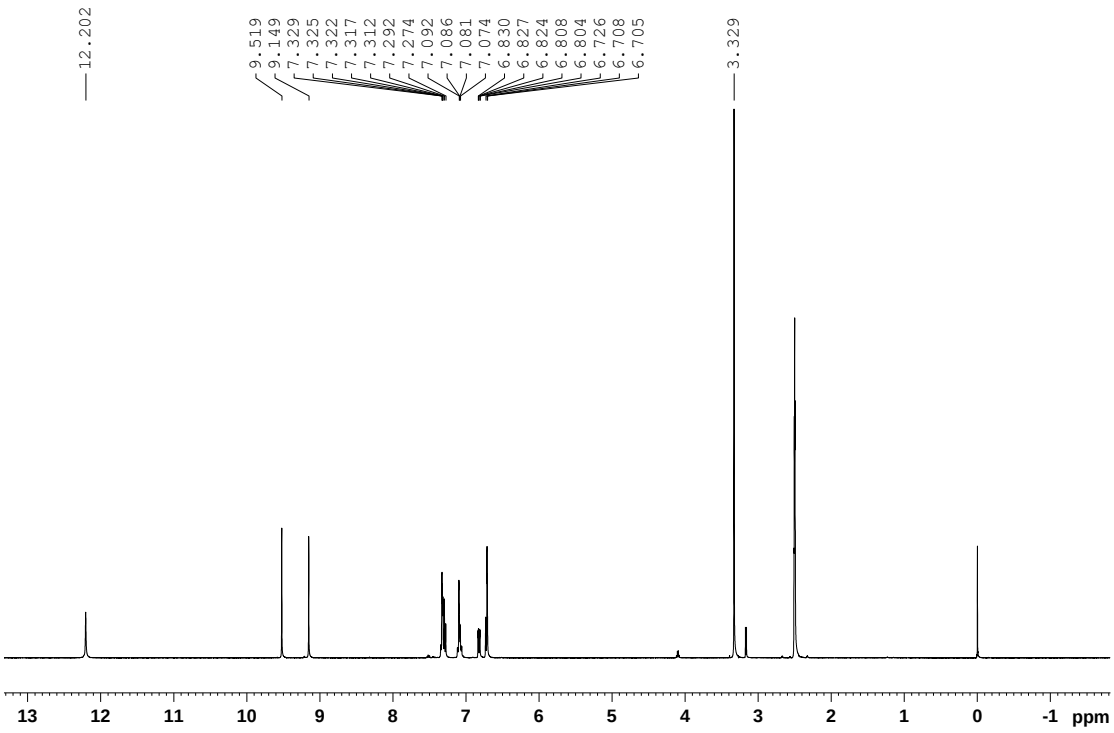


Figure S19: ^{1}H NMR spectrum of **7** in DMSO-d_6 (400 MHz)

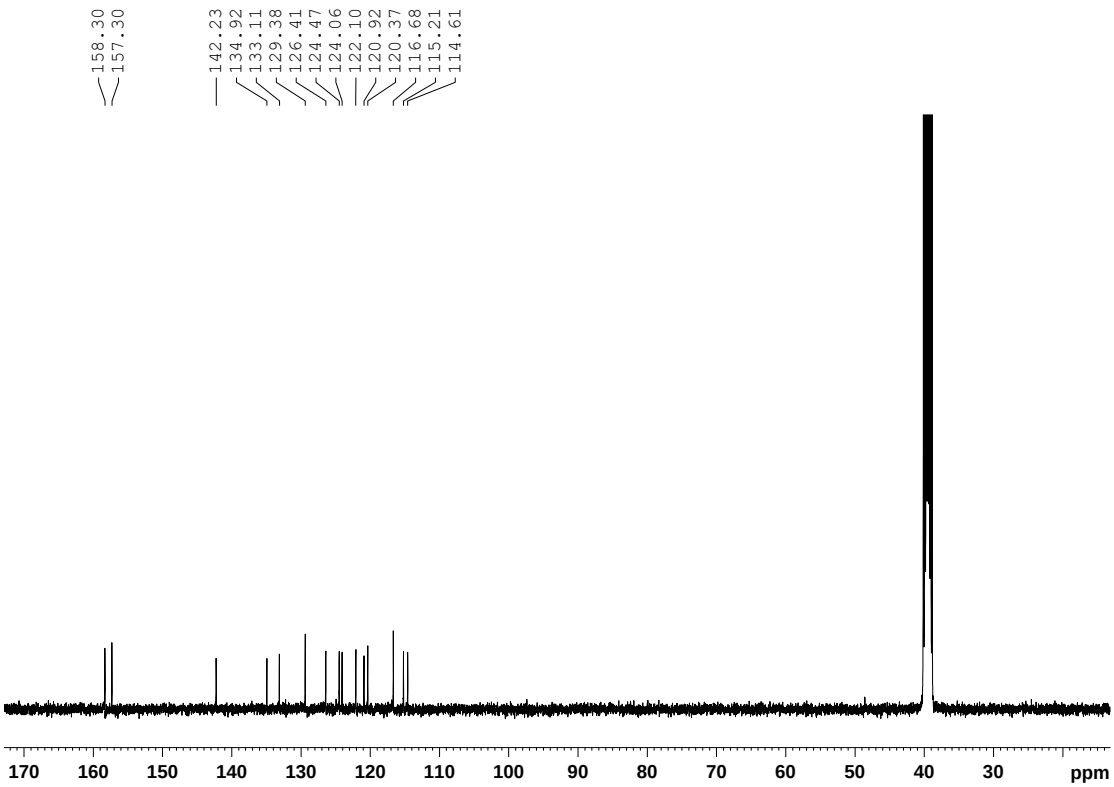


Figure S20: ^{13}C NMR spectrum of **7** in DMSO-d_6 (100 MHz)

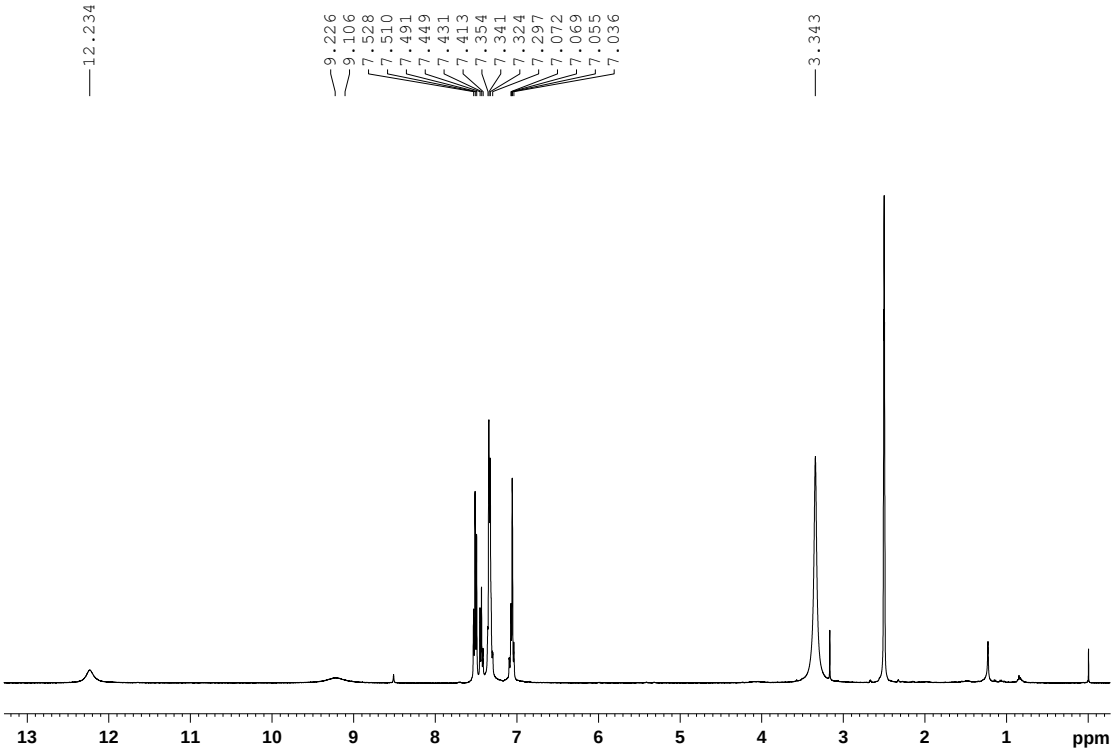


Figure S21: ^{1}H NMR spectrum of **8** in DMSO-d_6 (400 MHz)

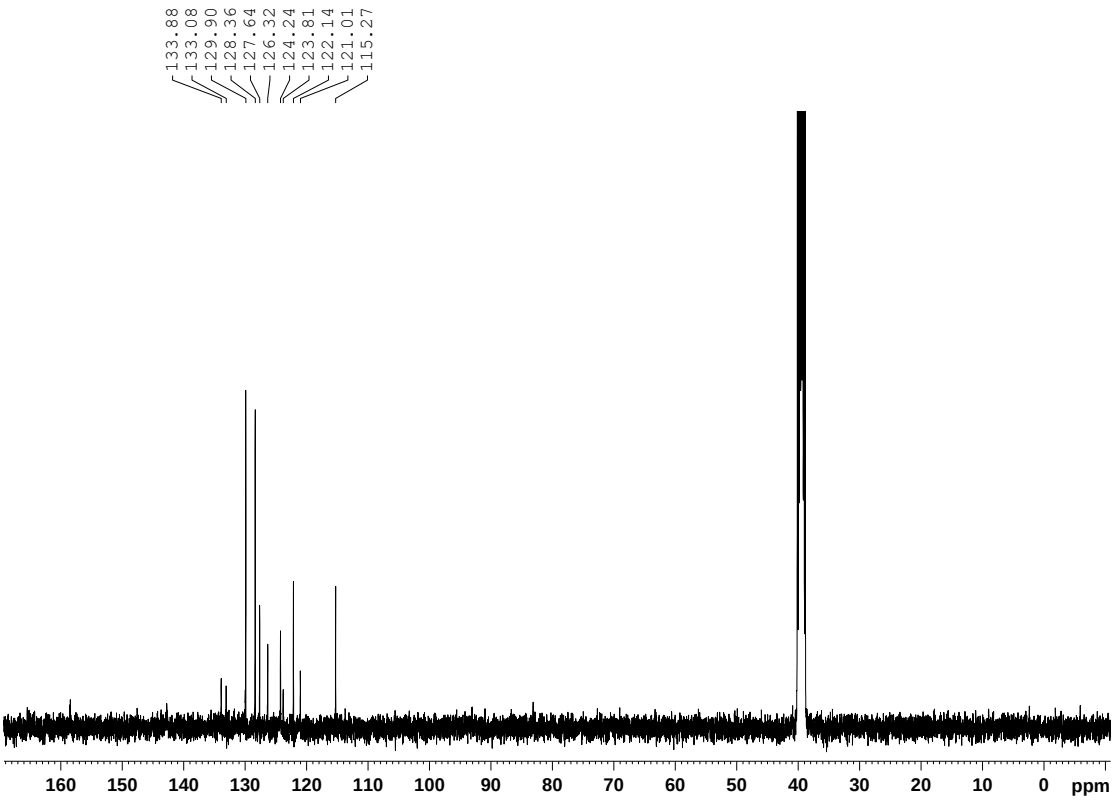


Figure S22: ^{13}C NMR spectrum of **8** in DMSO-d_6 (100 MHz)

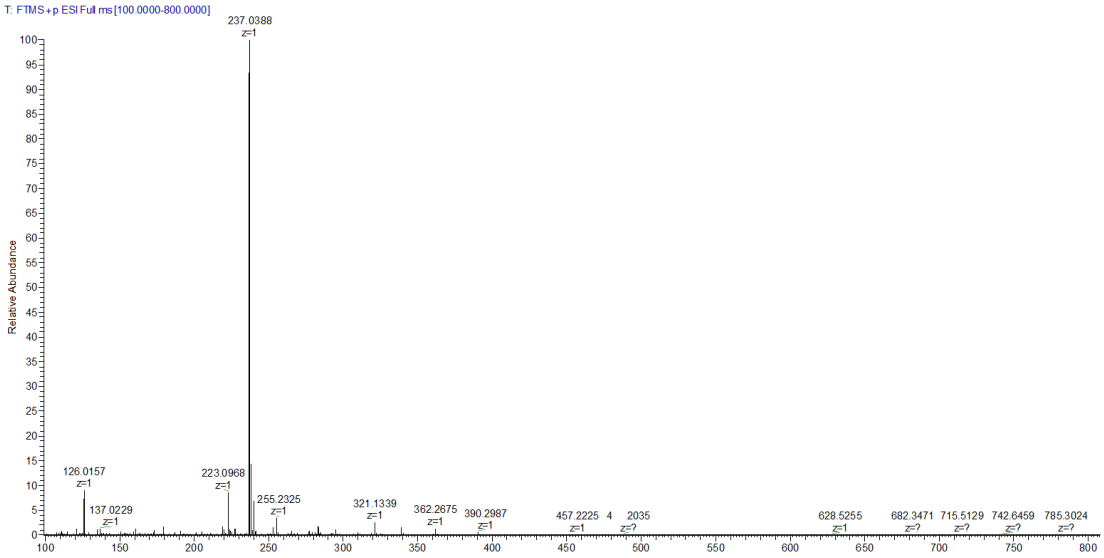


Figure S23: HRESIMS spectrum of **1**

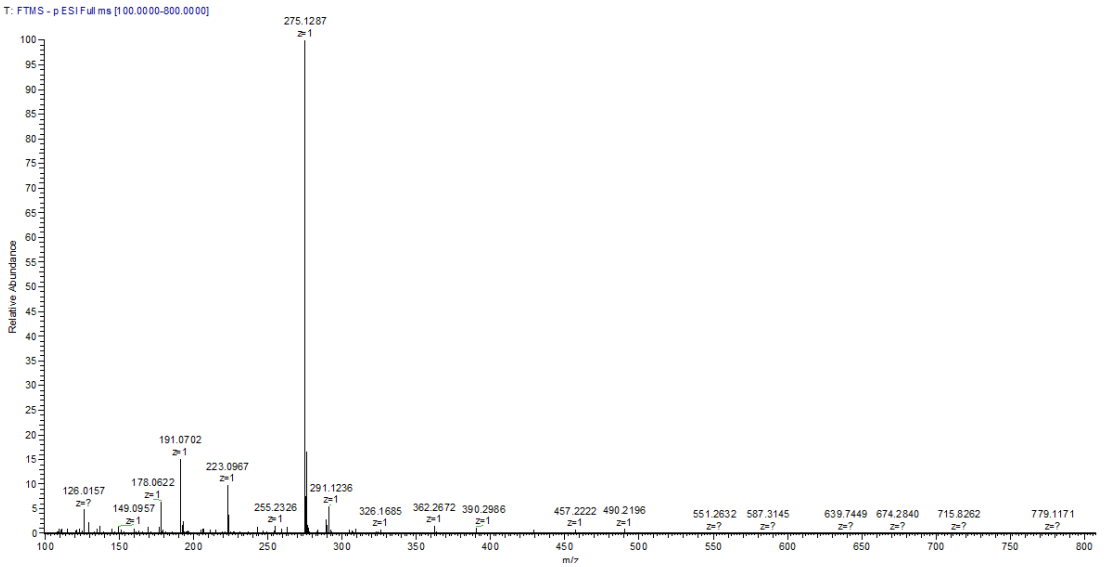


Figure S24: HRESIMS spectrum of **1**

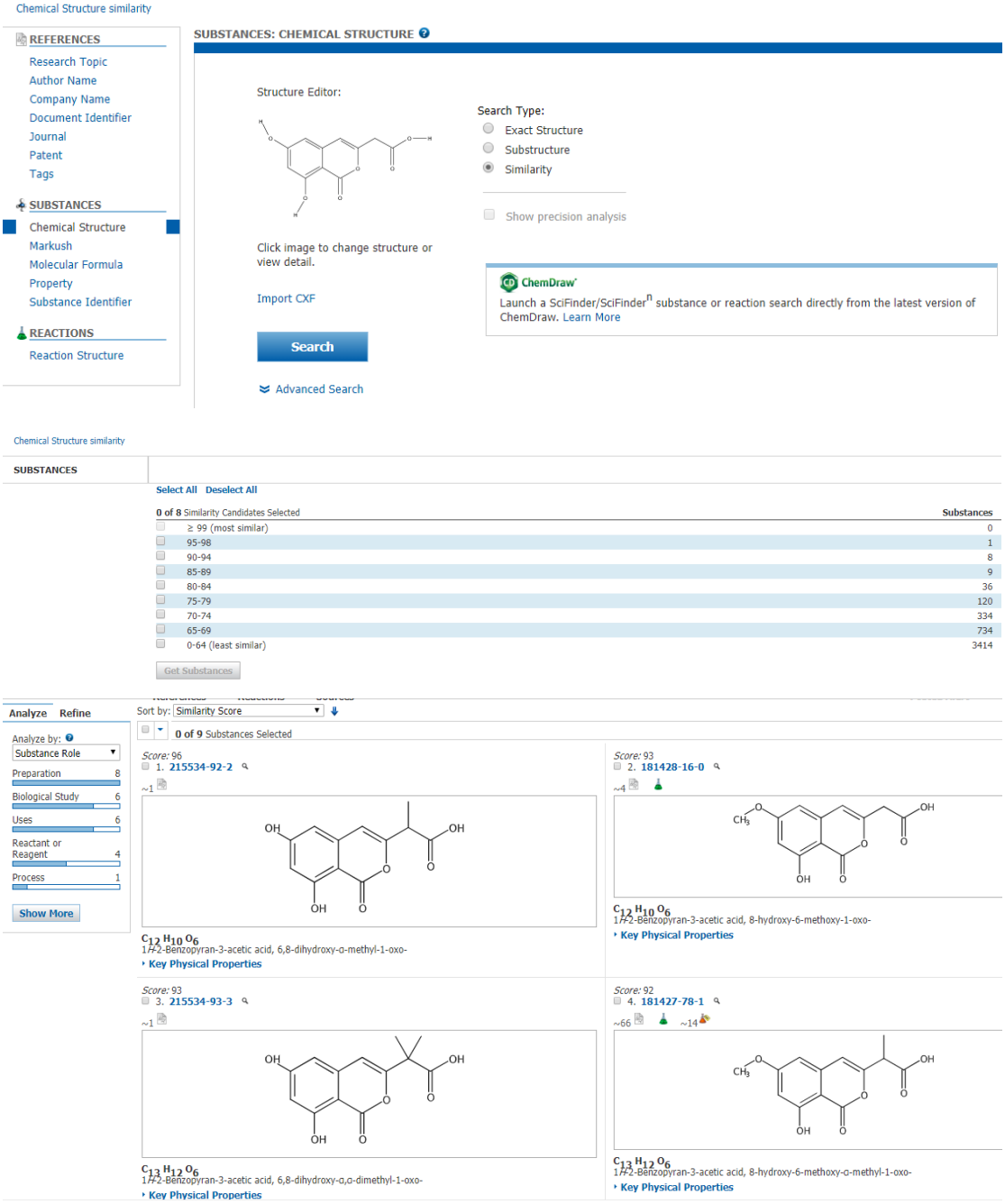


Figure S25: Scifinder similarity report of compound **1**

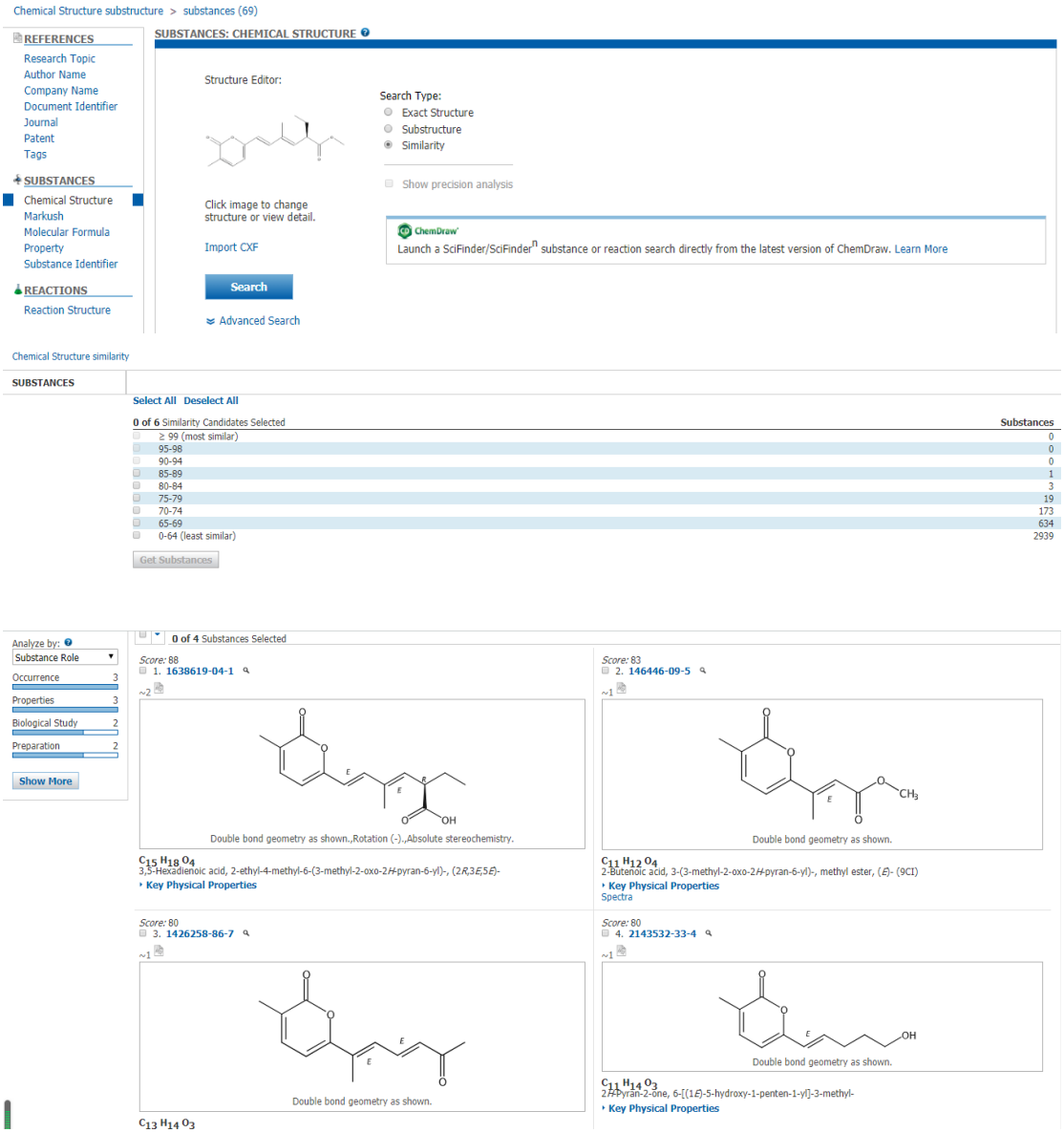
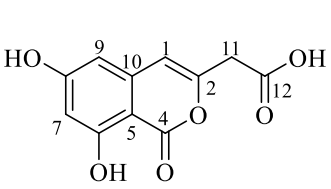
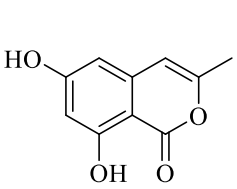


Figure S26: Scifinder similarity report of compound **2**





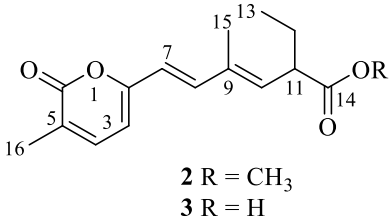


Table S1: NMR data of new compounds **1** and **2** and the similar compounds **1a** and **3**

No.	**1**		**1a**		**2**		**3**	
	δ_H	δ_C	δ_H	δ_C	δ_H	δ_C	δ_H	δ_C
1	6.47, br s	107.8	6.47	102.1				
2		152.6		155.7		165.2		165.1
3						124.6		124.4
4		167.3		166.9	7.32, d (6.9)	142.4	7.30, d (6.9)	142.3
5		99.8		99.8	6.26, d (6.9)	106.7	6.25, d (6.9)	106.6
6		164.6		165.0		159.0		159.0
7	6.34, br s	102.9	6.30	103.8	6.25, d (15.8)	119.6	6.23, d (15.8)	119.4
8		167.5		167.0	7.04, d (15.8)	138.7	7.04, d (15.8)	138.8
9	6.34, br s	104.0	6.33	105.9		137.0		136.6
10		141.0		141.8	5.75, d (9.9)	136.0	5.78, d (9.8)	136.6
11	3.52, br s	40.3	2.22	19.0	3.42, ddd (9.9, 7.2, 7.2)	48.0	3.34, ddd (9.8, 7.2, 7.2)	47.1
12		173.0			1.83, m 1.61, m	27.1	1.83, m 1.61, m	27.2
13					0.93, t (7.4)	11.9	0.94, t (7.4)	12.0
14						175.7		177.2
15					1.88, s	12.7	1.89, s	12.7
16					2.06, s	16.6	2.06, s	16.7
OCH_3					3.70, s	52.4		