Supporting Information

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Chemical Investigation of a Co-Culture of A*spergillus fumigatus* D and *Fusarium oxysporum* R1

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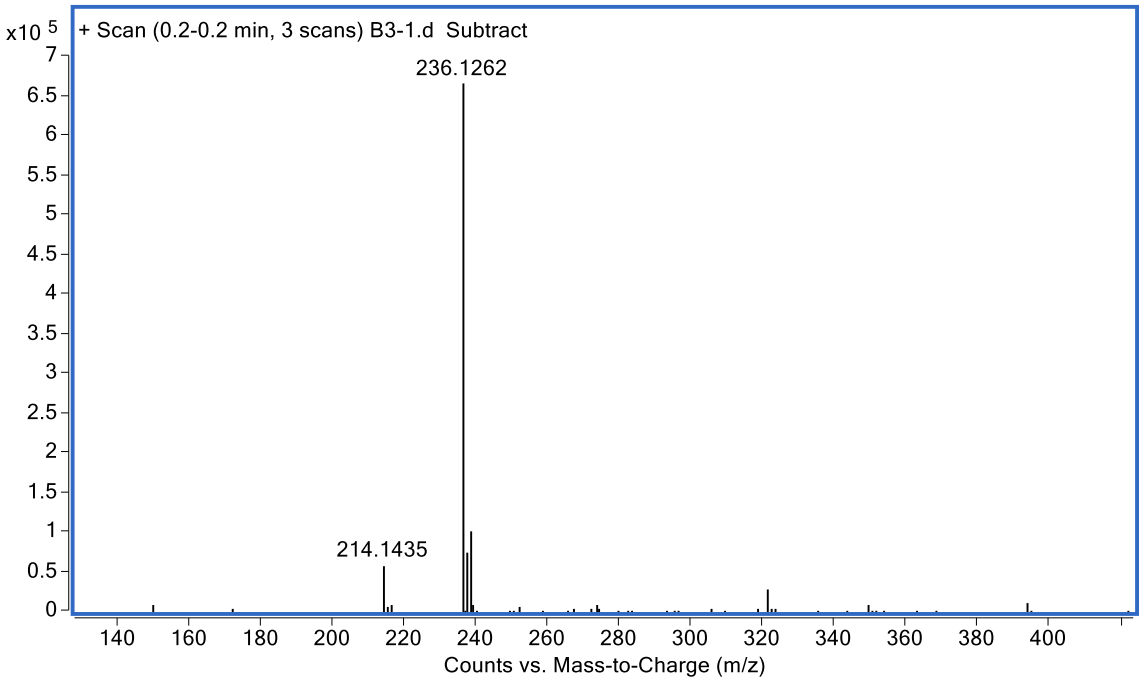


Formula (M)	Ion Formula	m/z	Calc m/z	Diff (ppm)	DBE
$C_{11}H_{19}NO_3$	$C_{11}H_{19}NNaO_3$	236.1263	236.1257	-2.75	3

Figure S1: HR-ESI (+)-TOF-MS spectrum of compound **1**.

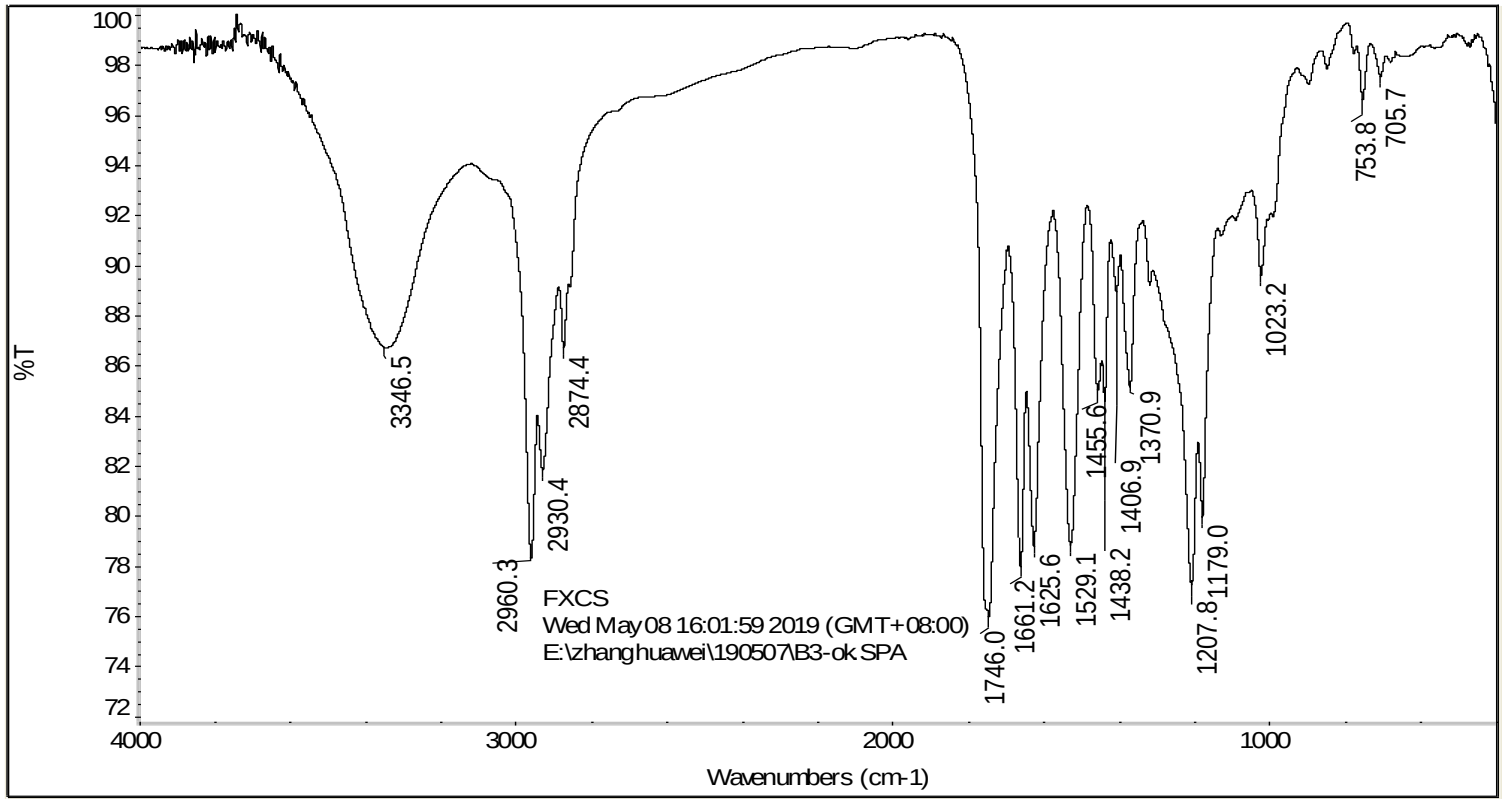


Figure S2: IR (KBr) spectrum of compound **1**.

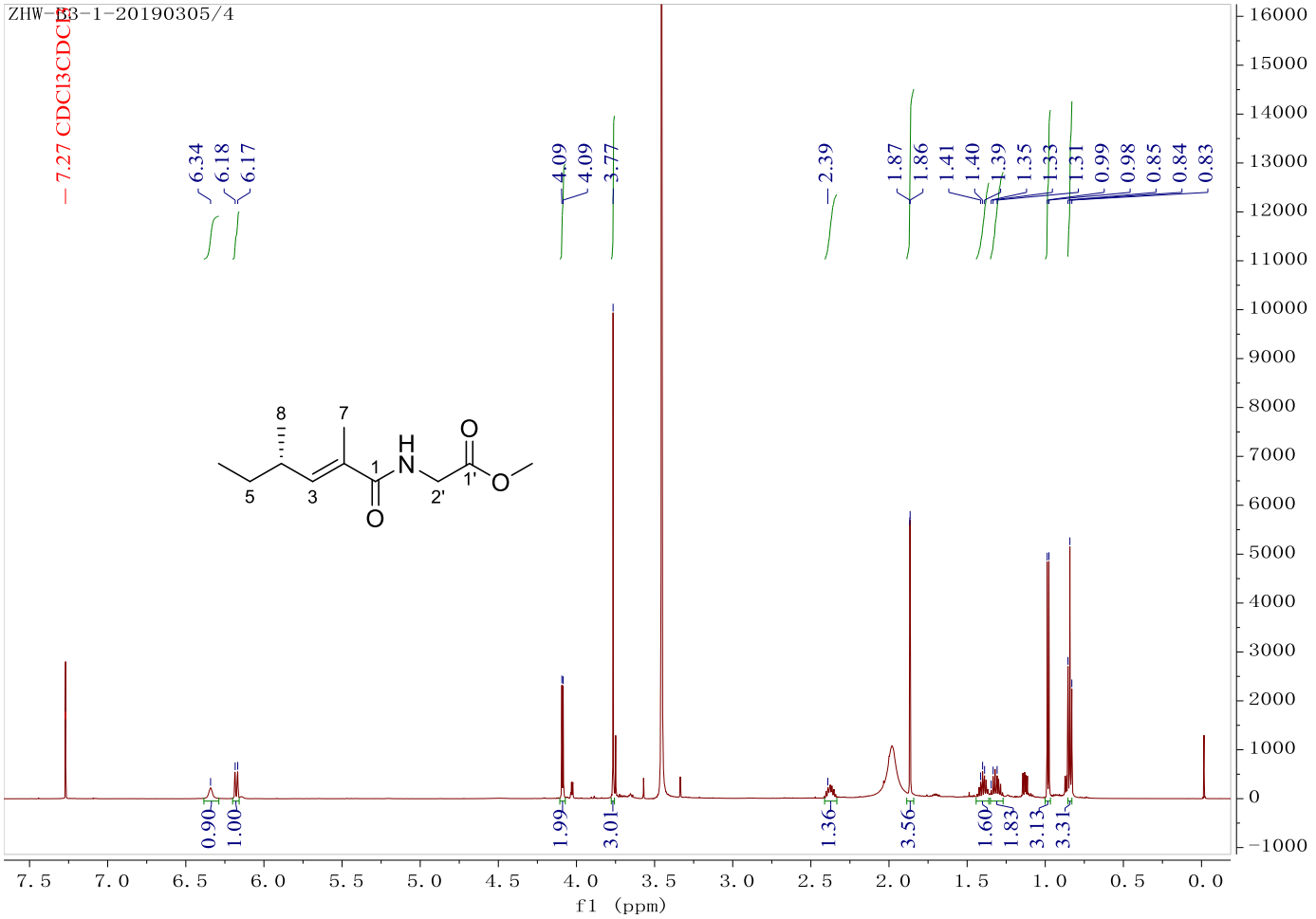


Figure S3: ^{1}H NMR (600 MHz, $CDCl_3$) spectrum of compound **1**.

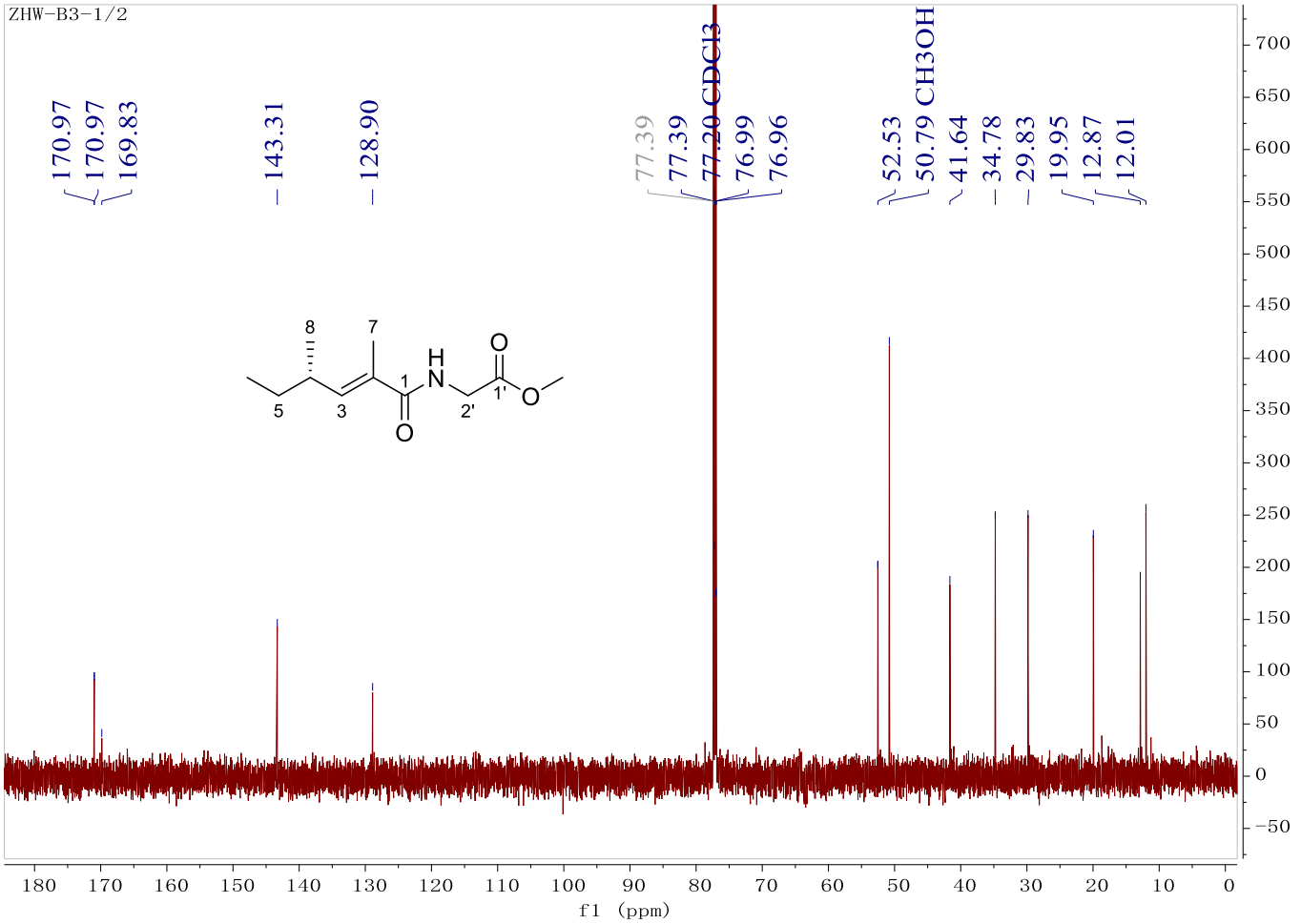


Figure S4: ^{13}C NMR (151 MHz, $CDCl_3$) spectrum of compound **1**.

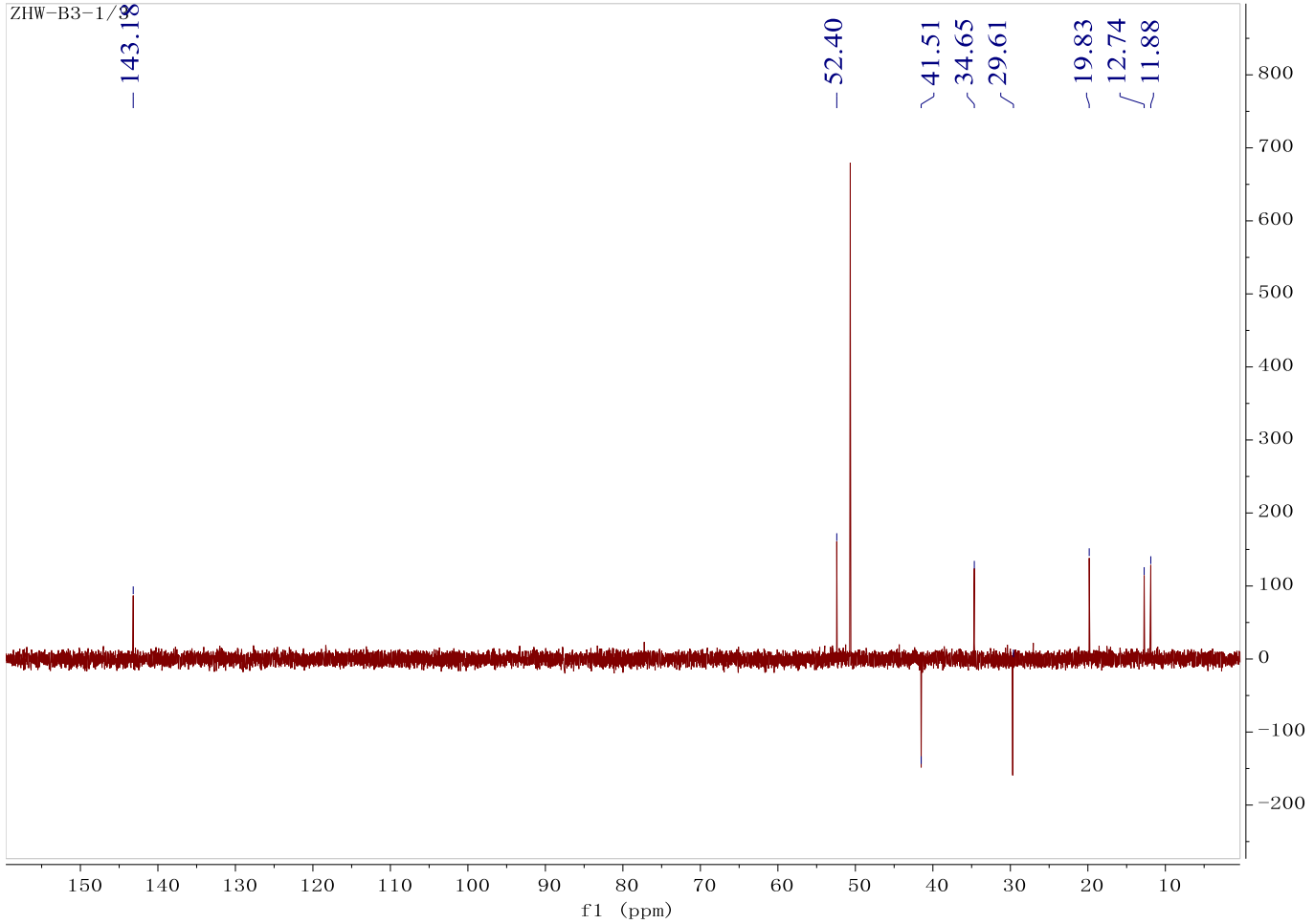


Figure S5: DEPT-135 ($CDCl_3$) spectrum of compound **1**.

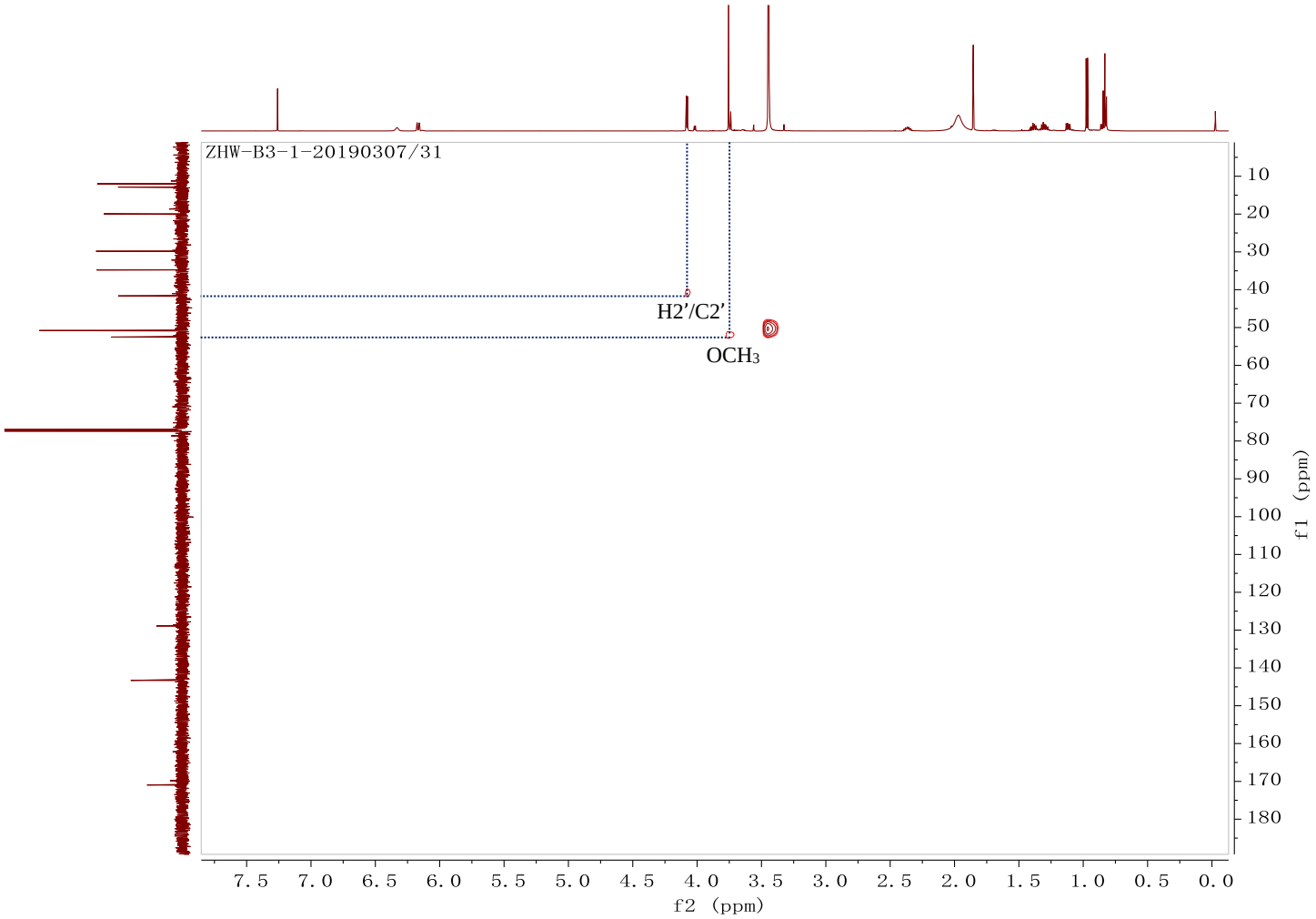


Figure S6: HSQC ($CDCl_3$) spectrum of compound **1**.

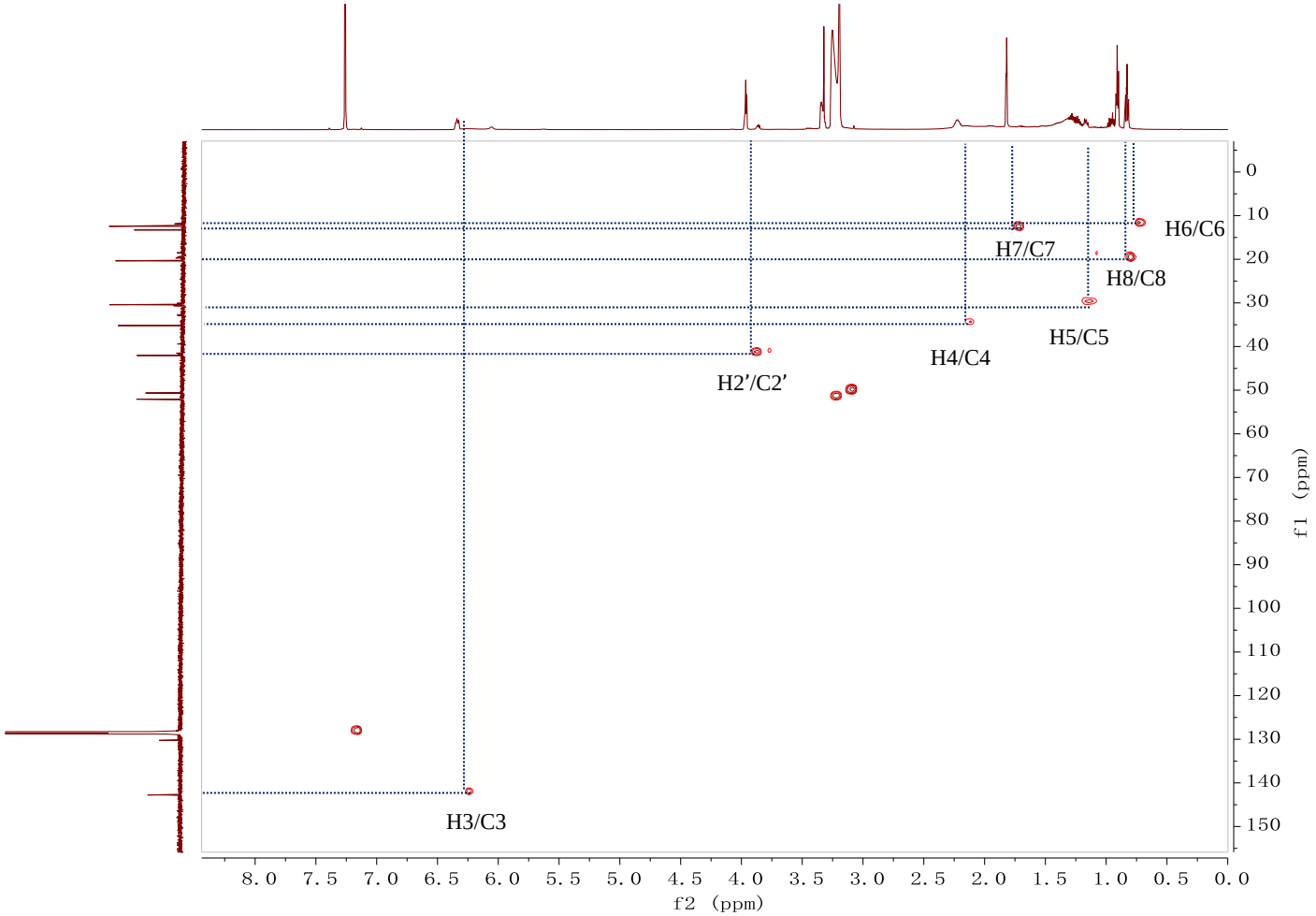


Figure S7: HSQC (C_6D_6) spectrum of compound **1**.

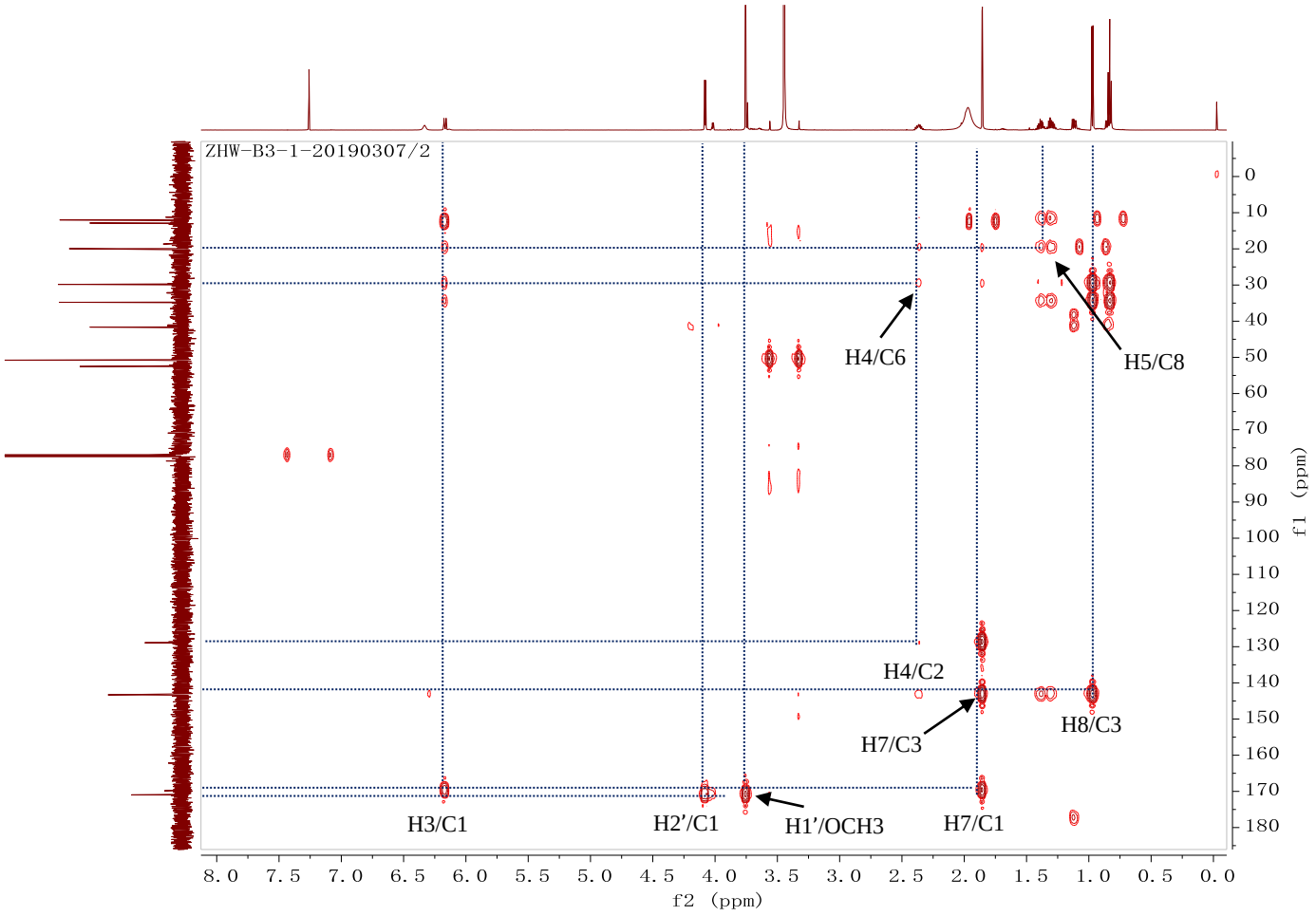


Figure S8: HMBC ($CDCl_3$) spectrum of compound **1**.

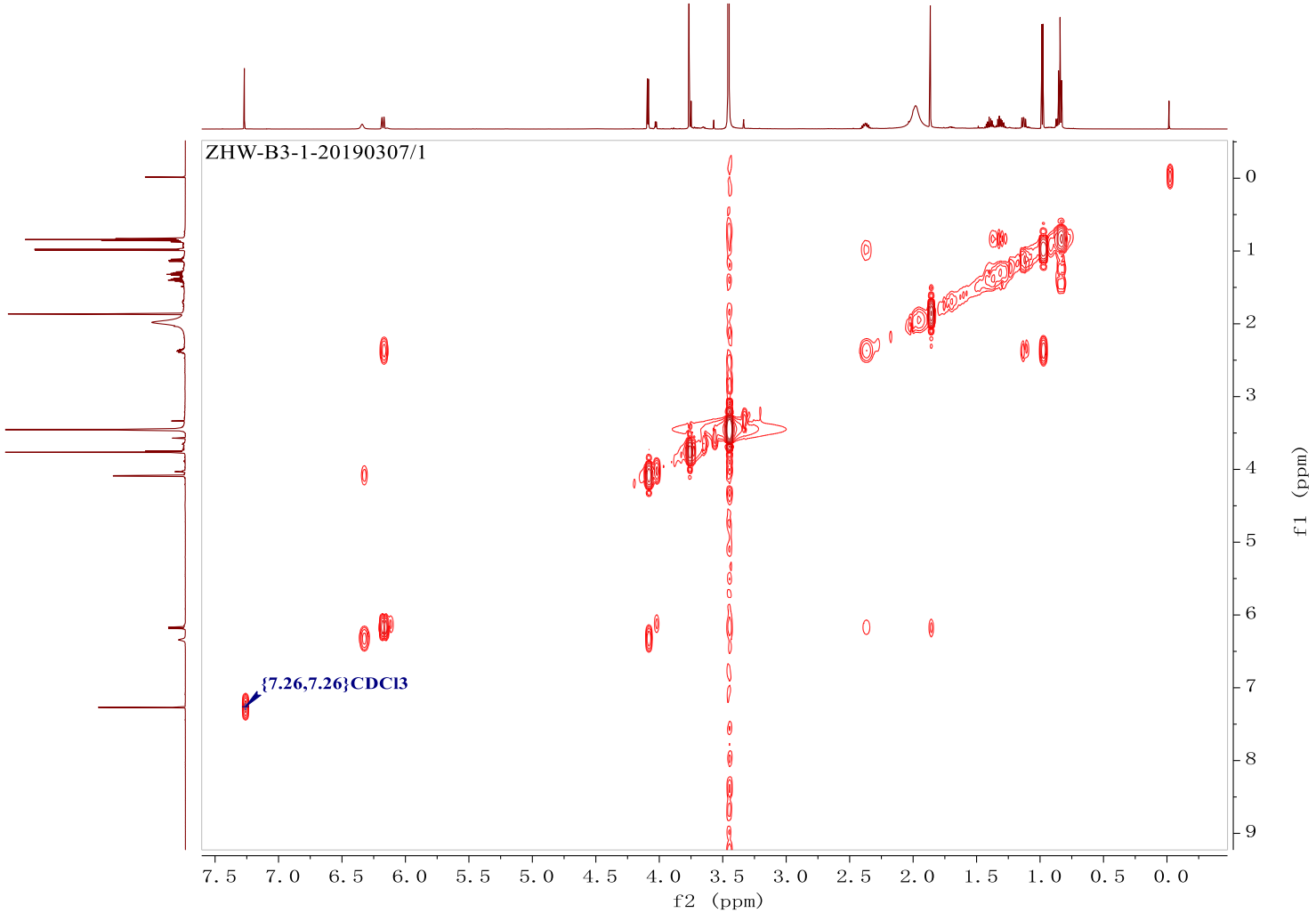


Figure S9: ^{1}H-^{1}H COSY ($CDCl_3$) spectrum of compound **1**.

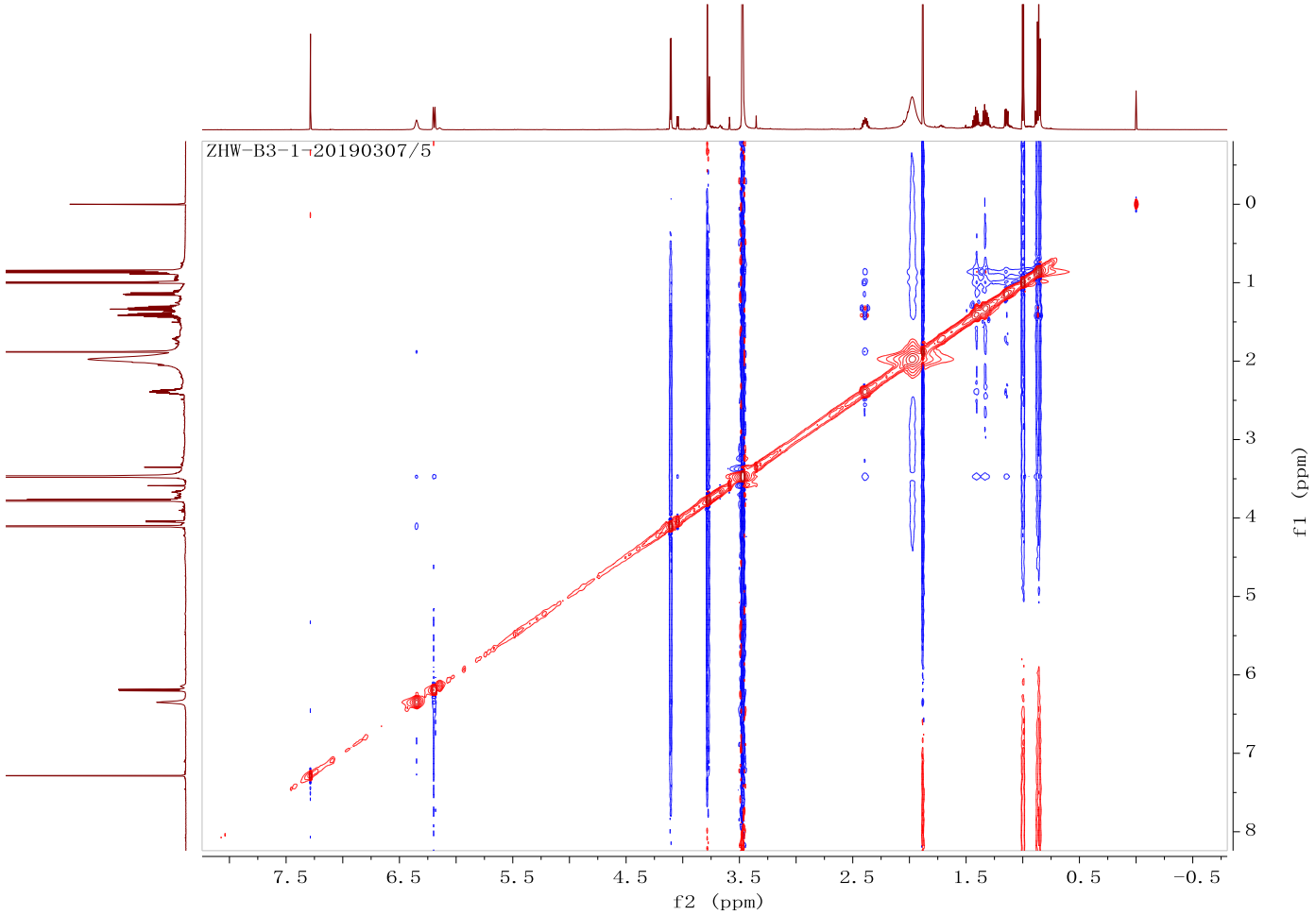


Figure S10: NOESY spectrum (600 MHz, $CDCl_3$) of compound **1**.

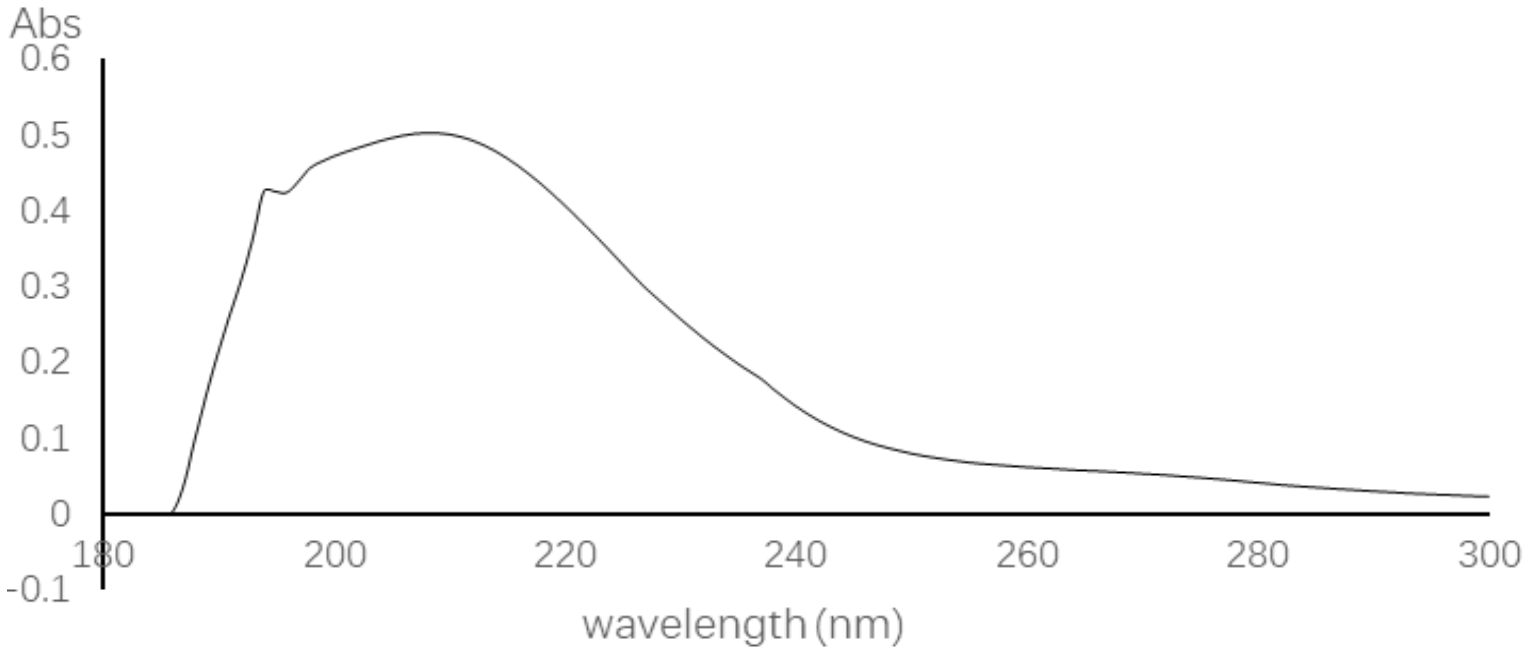


Figure S11: UV spectrum of compound **1** in MeOH.

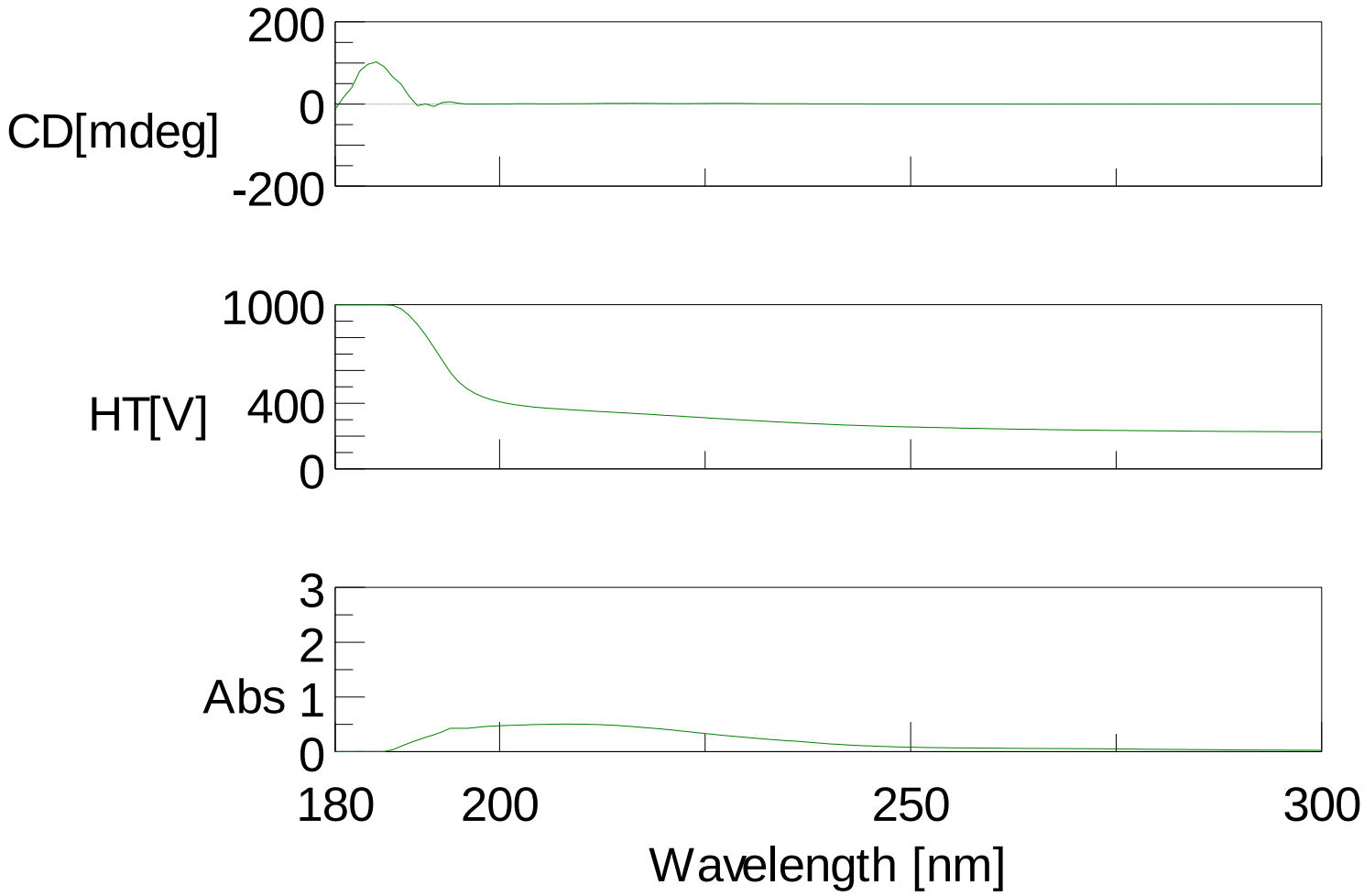


Figure S12: CD spectrum of compound **1**.

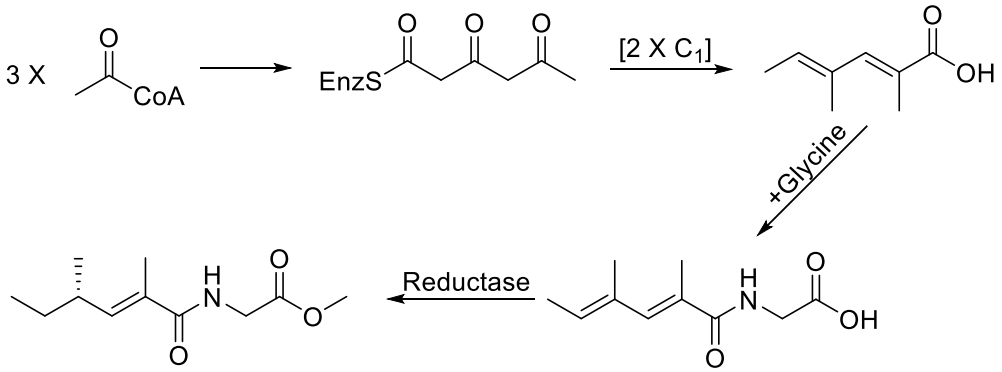
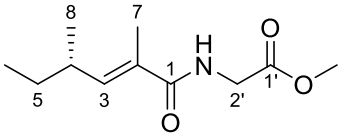
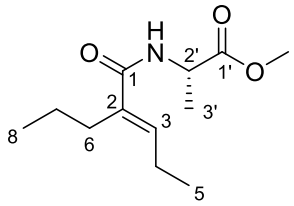


Figure S13: A putative biosynthetic pathway of compound **1**.

Table S1: Antimicrobial activities of compounds **1**-**7**.

Compound	MIC (μM)		
	Escherichia coli 25922	*Staphyloccocus aureus* ATCC 25923	*Candida albicans* ATCC 10231
1	>100	>100	>100
2	>100	>100	>100
3	>100	>100	>100
4	>100	>100	>100
5	>100	50	>100
6	>100	100	>100
7	>100	25	>100
Ampicillin sodium	12.50	6.25	-
Amphotericin B	-	-	0.78

Table S2: The comparison of ^{1}H NMR ($CDCl_3$) of compound **1** and its analogue (δ in ppm, J in Hz).

Position		
1		
2		
3	6.18 (1H, d, *J* = 9.6)	6.23 (1H, t)
4	2.39 (1H, m)	2.29 (2H, m)
5	1.35 (2H, m)	1.04 (3H, t)
6	0.84 (3H, t, *J* = 7.8, 7.2)	2.17 (2H, m)
7	1.87 (3H, d, *J* = 1.2)	1.43 (2H, m)
8	0.99 (3H, d, *J* = 6.6)	0.92 (3H, t)
1′		
2′	4.09 (2H, d, *J* = 5.4)	4.65 (1H, m)
3′		1.43 (3H, d)
OCH_3	3.77 (3H, s)	3.76 (3H, s)
NH	6.34 (1H, br s)	6.30 (1H, br s)