Supporting Information

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Butenolide Derivatives from the Fungus *Aspergillus terreus* and Their α-Glucosidase Inhibitory Effects

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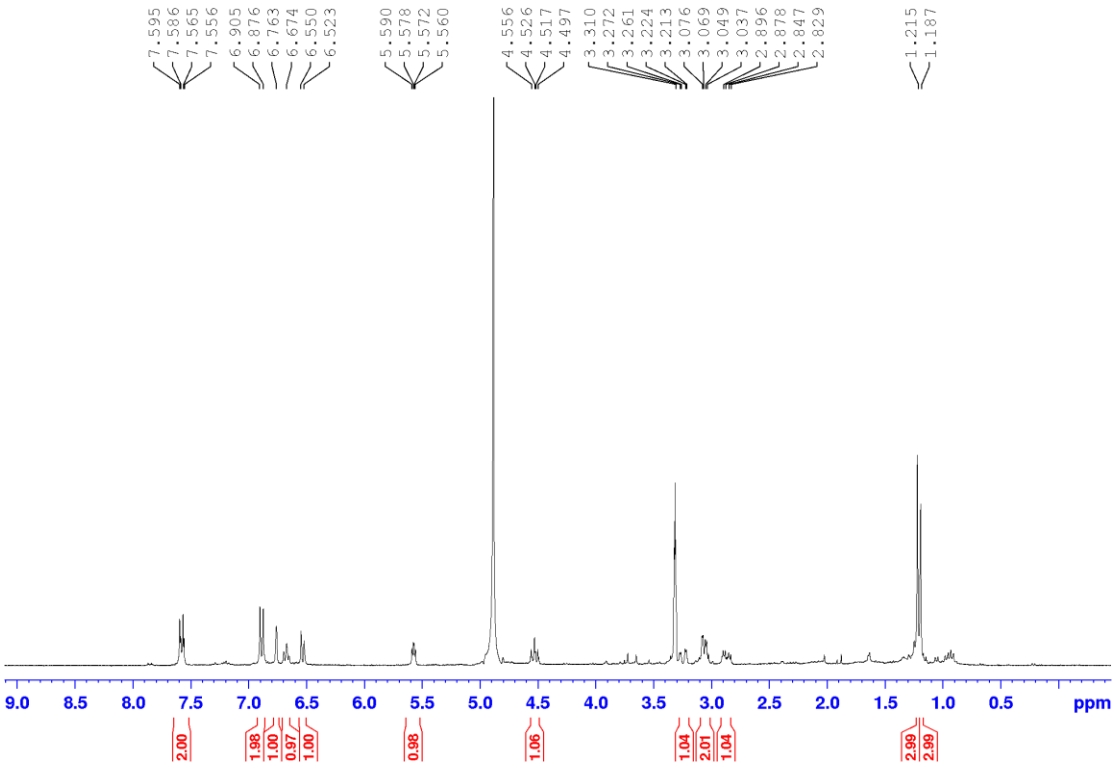


Figure S1:[1]H NMR Spectrum of **1** in CD_3OD (400 MHz)

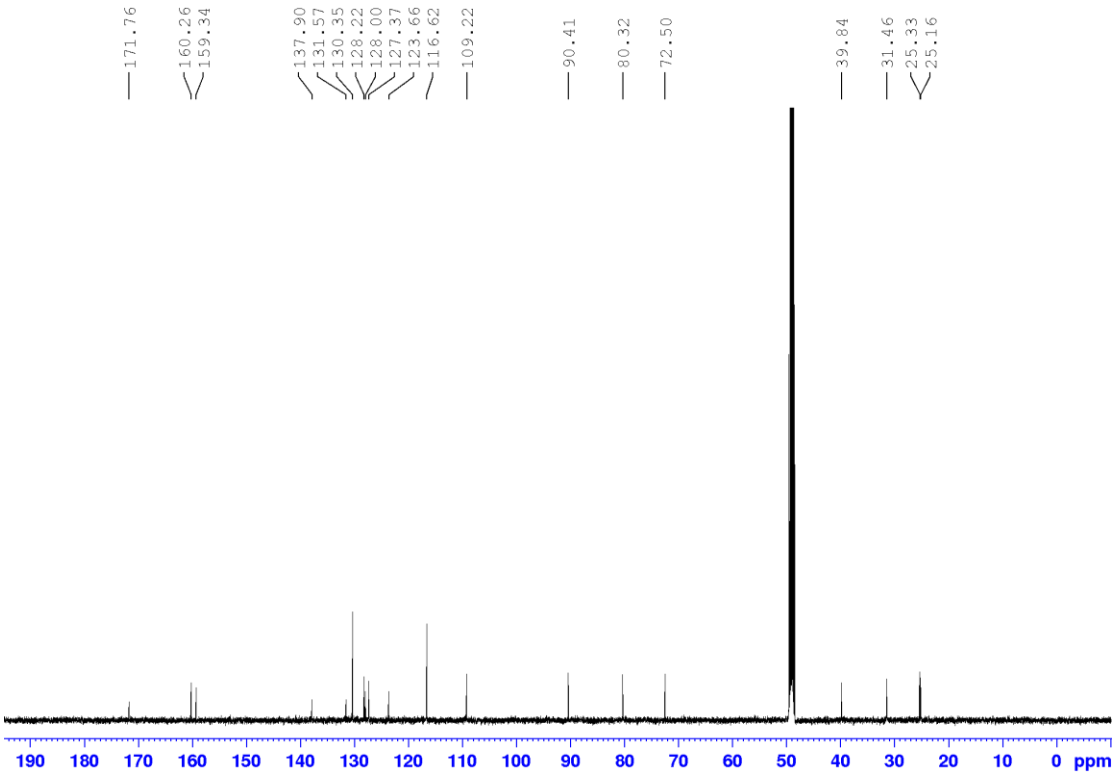


Figure S2:[13]C NMR Spectrum of **1** in CD_3OD (100 MHz)

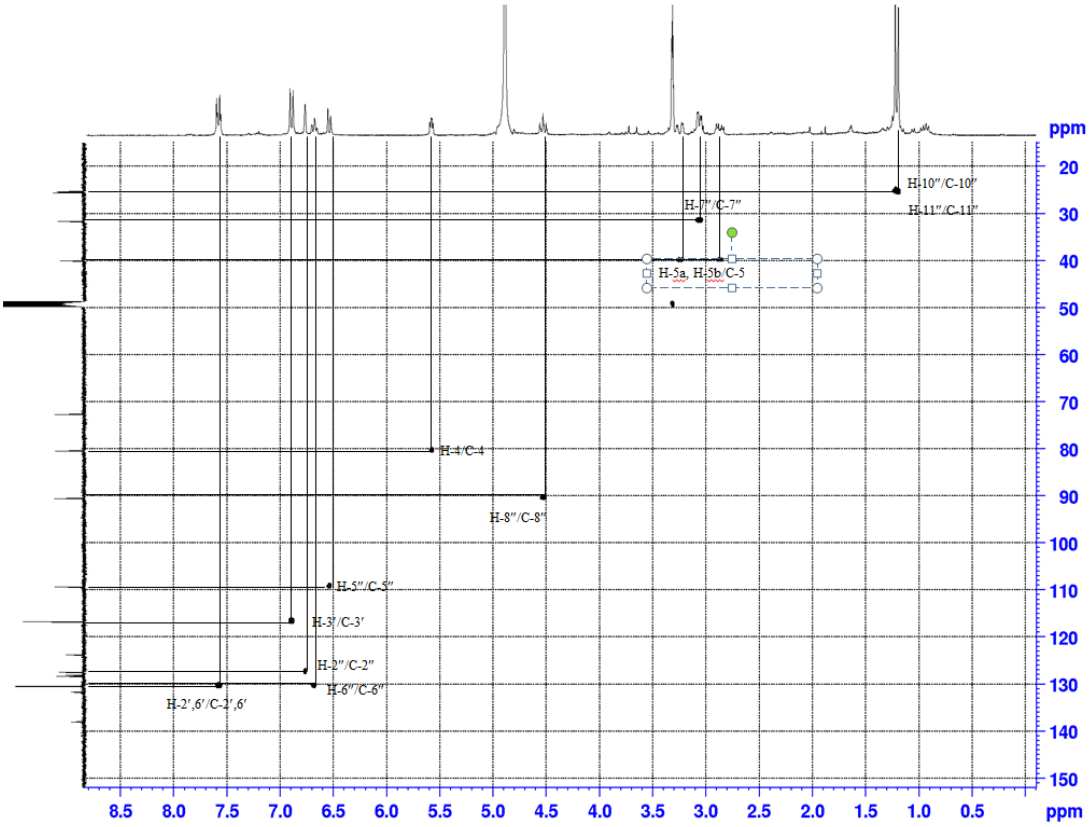


Figure S3:HSQC Spectrum of **1** in CD_3OD

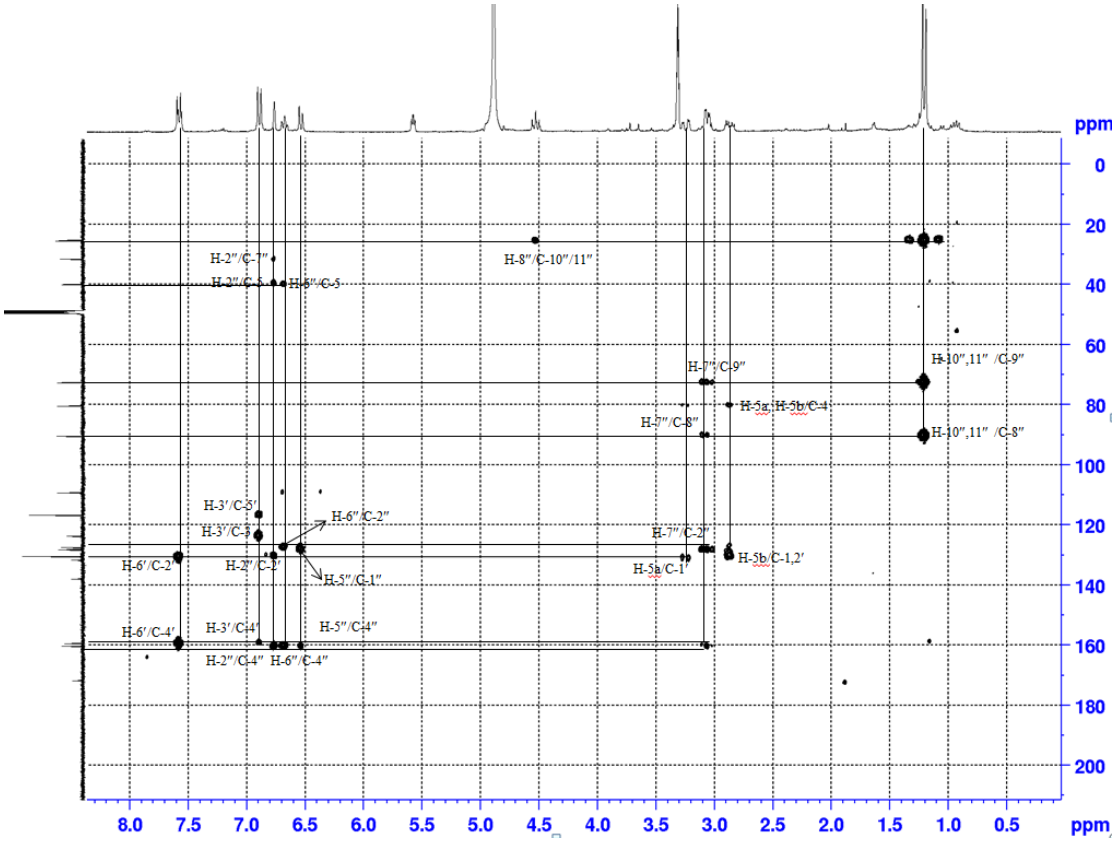


Figure S4:HMBC Spectrum of **1** in CD_3OD

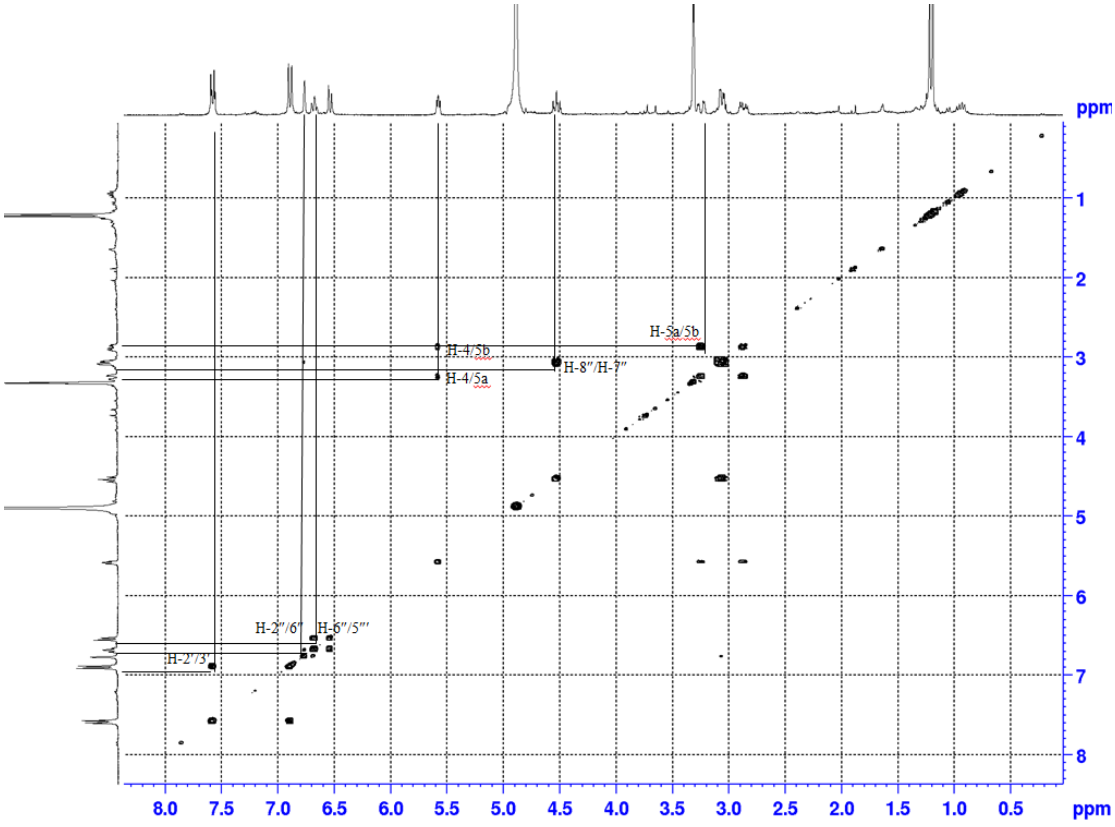


Figure S5:^{1}H-^{1}H COSY Spectrum of compound **1** in CD_3OD

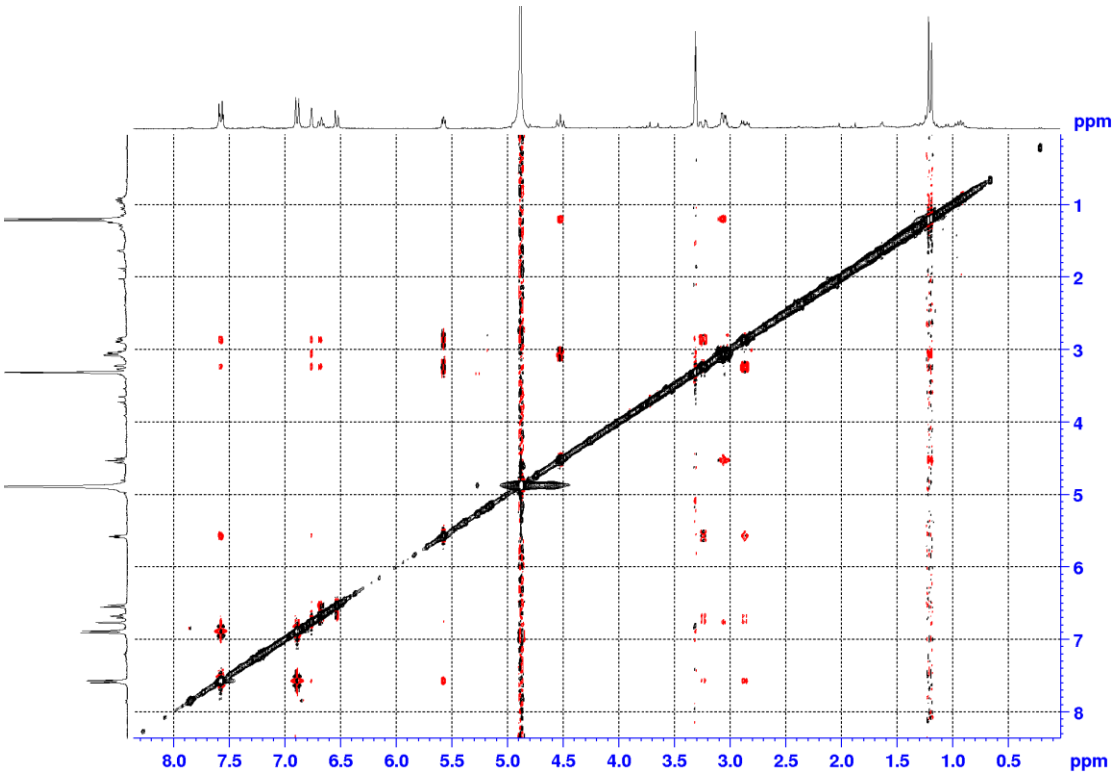


Figure S6:NOESY spectrum of compound **1** in CD_3OD

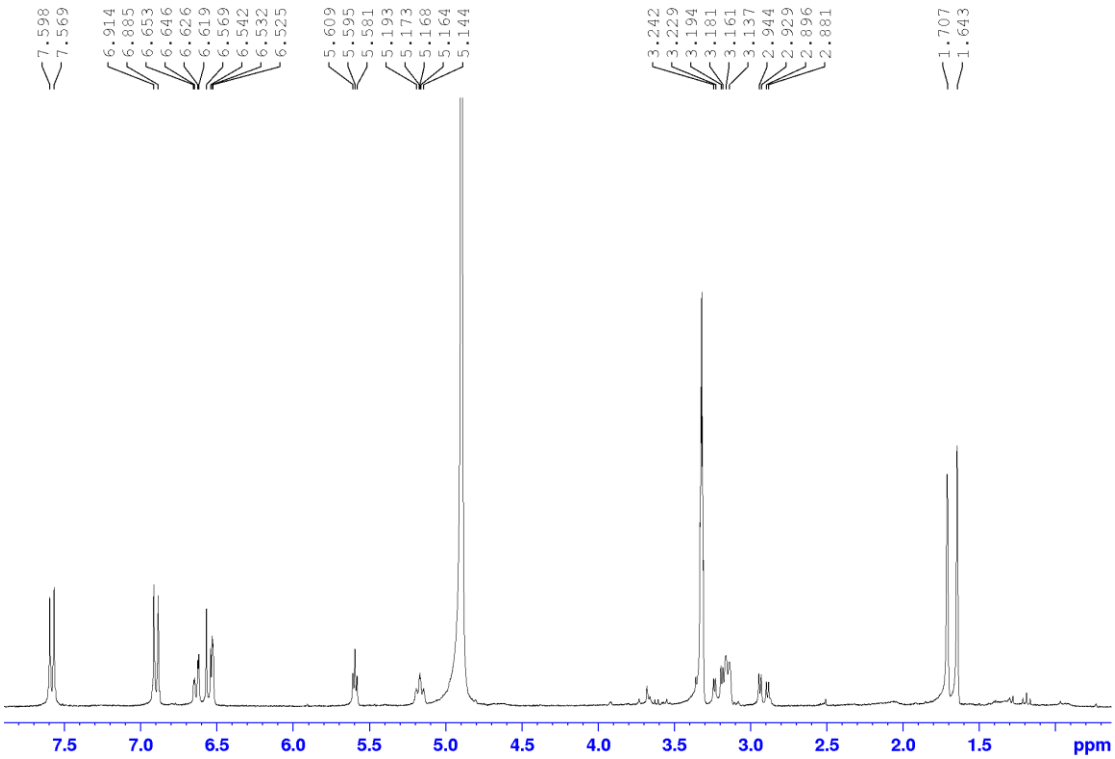


Figure S7:^{1}H NMR Spectrum of **2** in DMSO-d_4 (400 MHz)

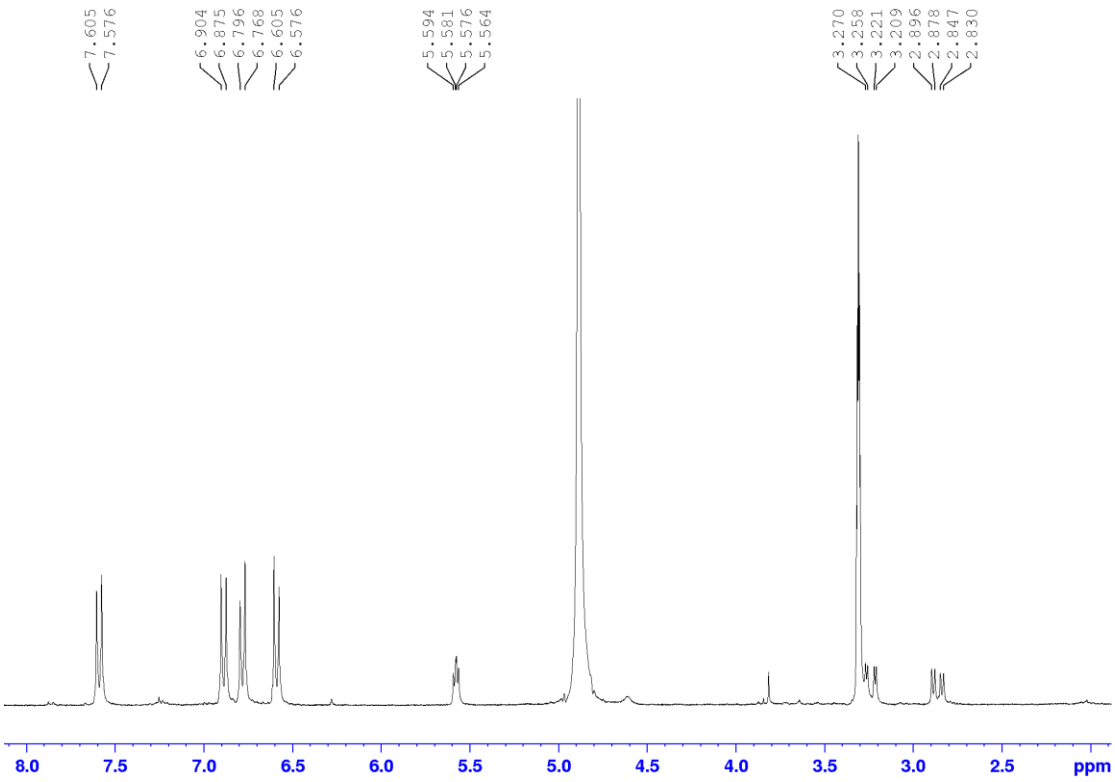


Figure S8:[1]H NMR Spectrum of **3** in CD_3OD (400 MHz)

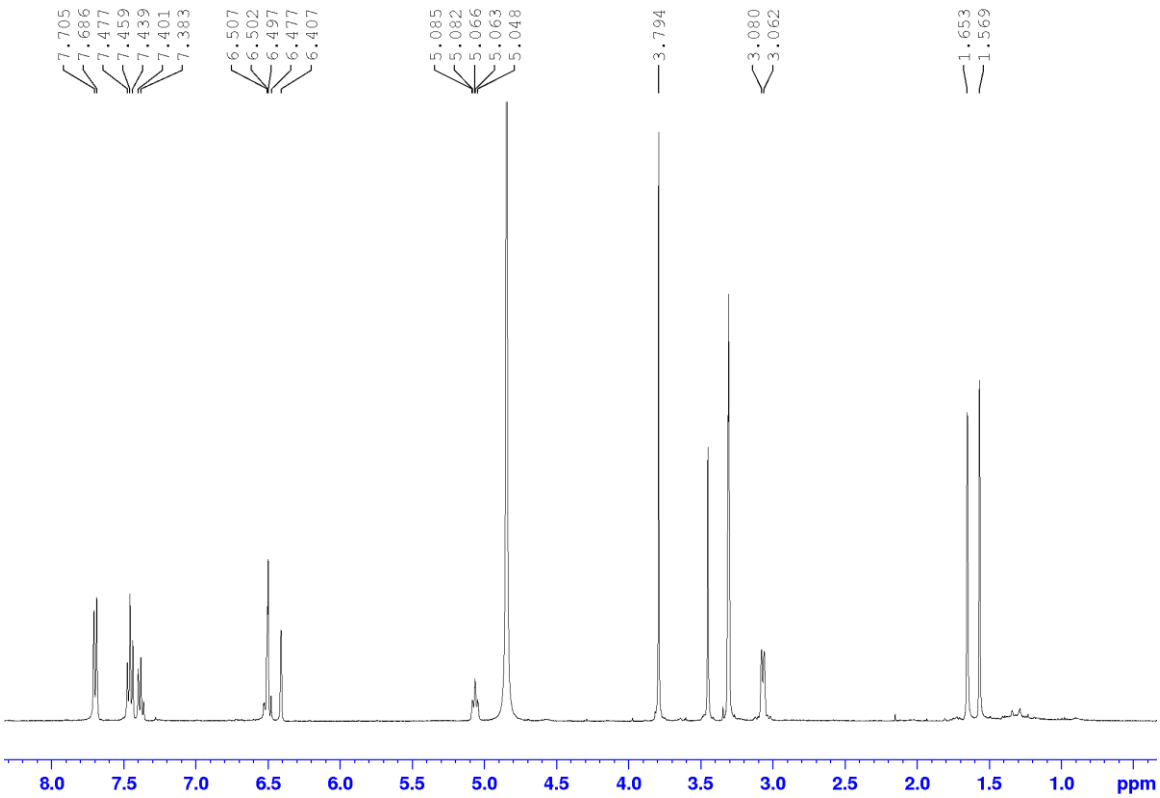


Figure S9:[1]H NMR Spectrum of **4** in CD_3OD (400 MHz)

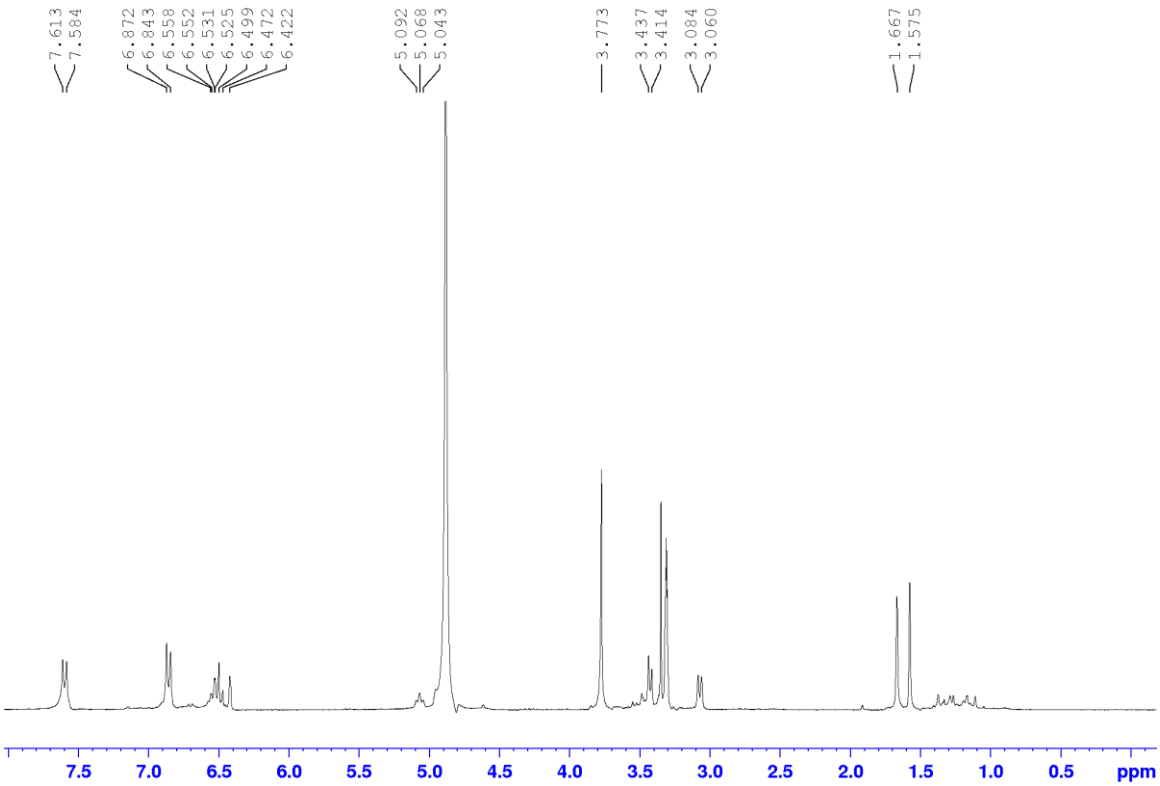


Figure S10:[1]H NMR Spectrum of **5** in in CD_3OD (400 MHz)

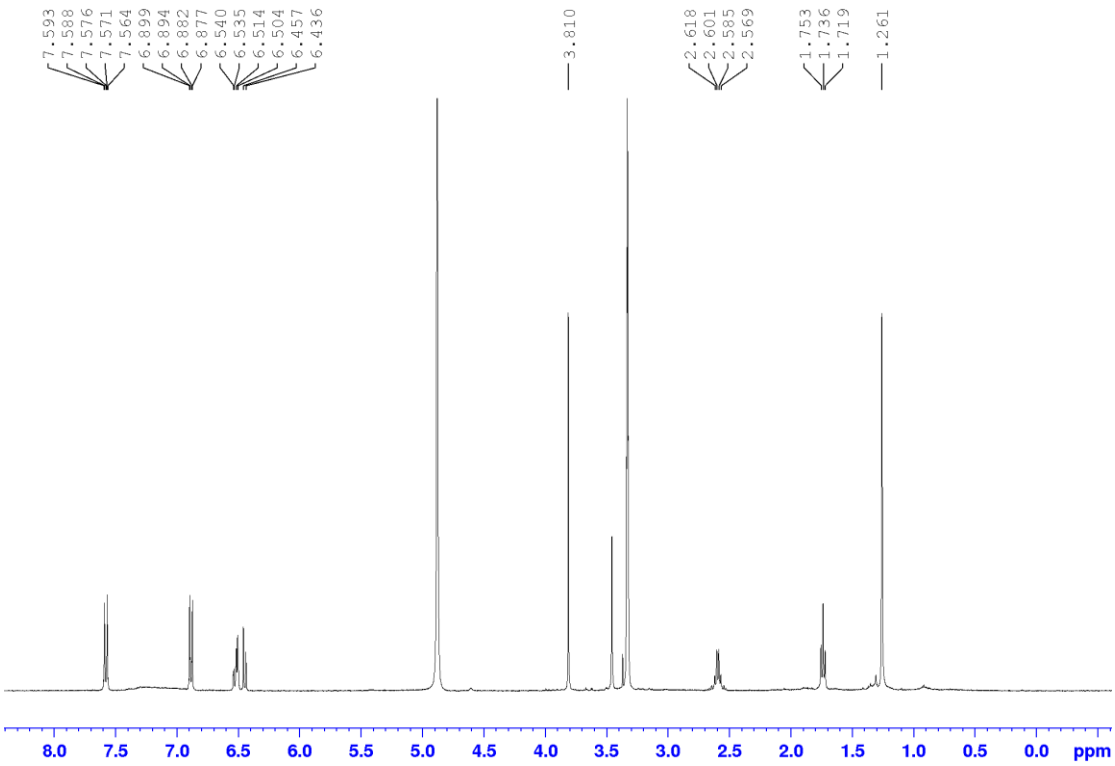


Figure S11:[1]H NMR Spectrum of **6** in CD_3OD (400 MHz)

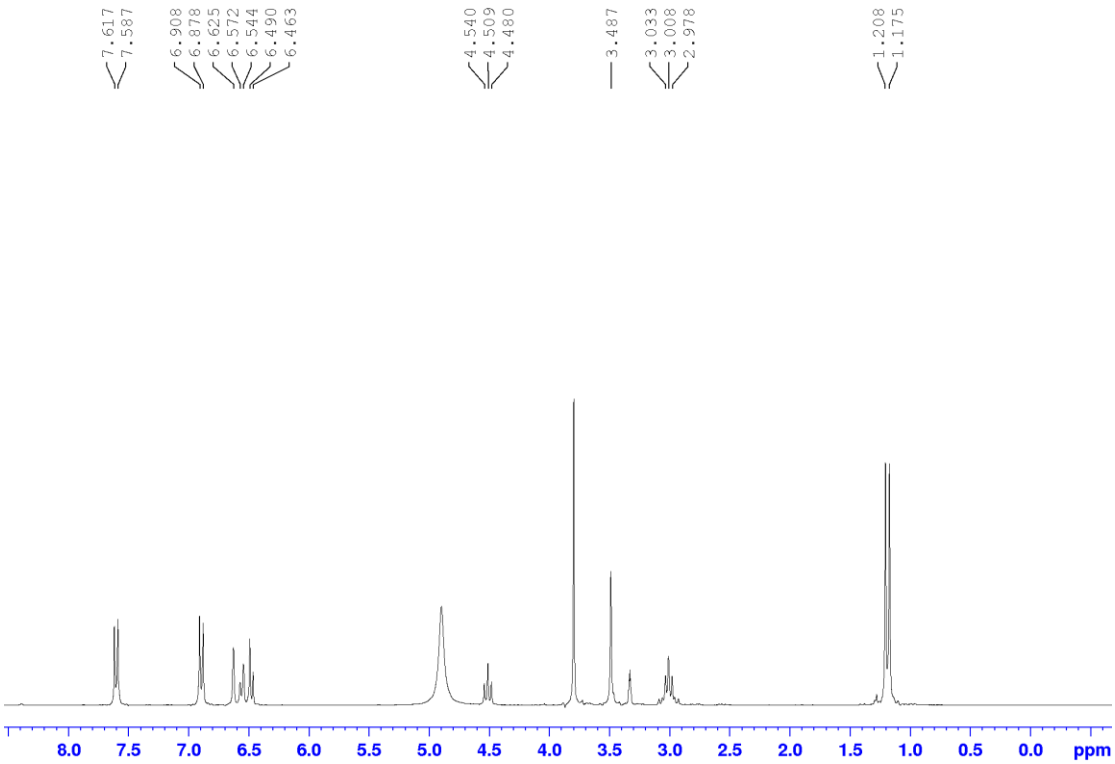


Figure S12:[1]H NMR Spectrum of **7** in CD_3OD (400 MHz).

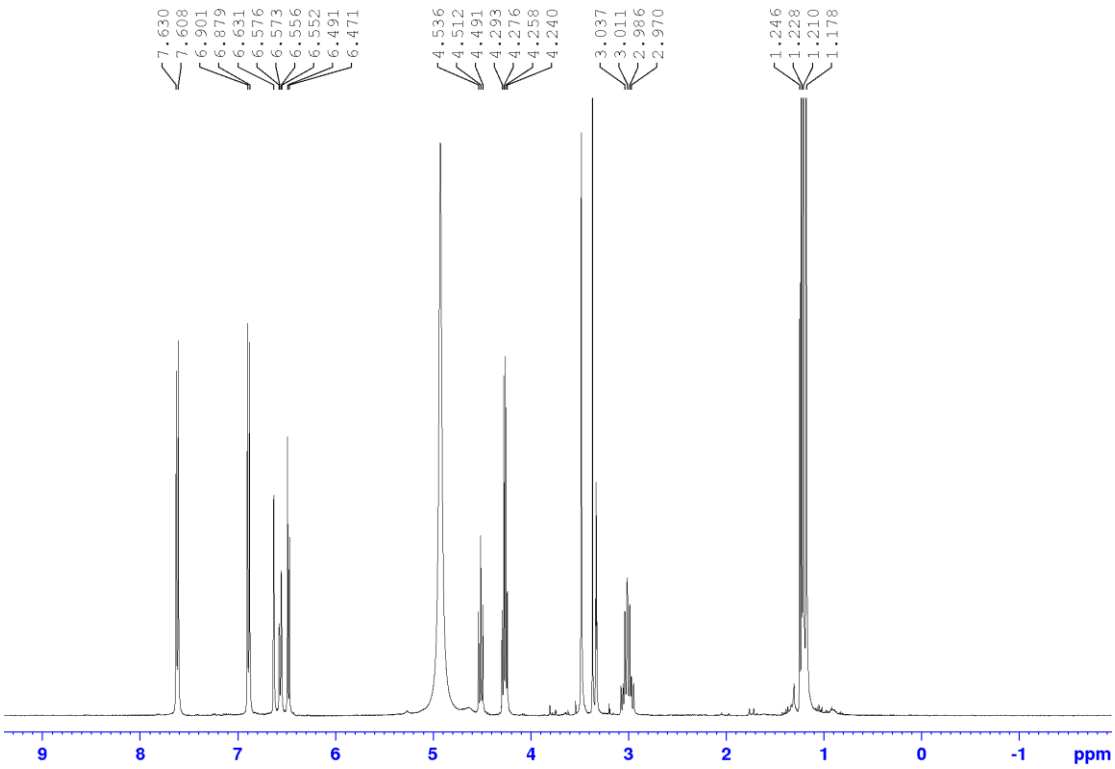


Figure S13:[1]H NMR Spectrum of **8** in CD_3OD (400 MHz).

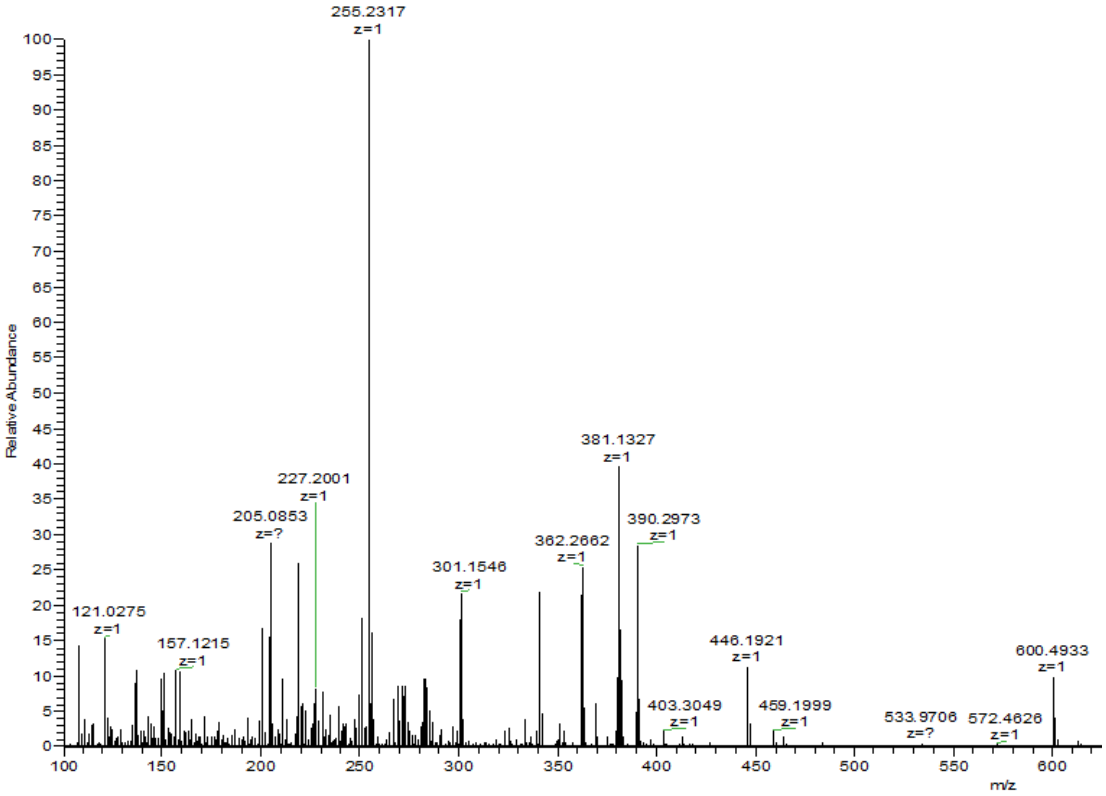
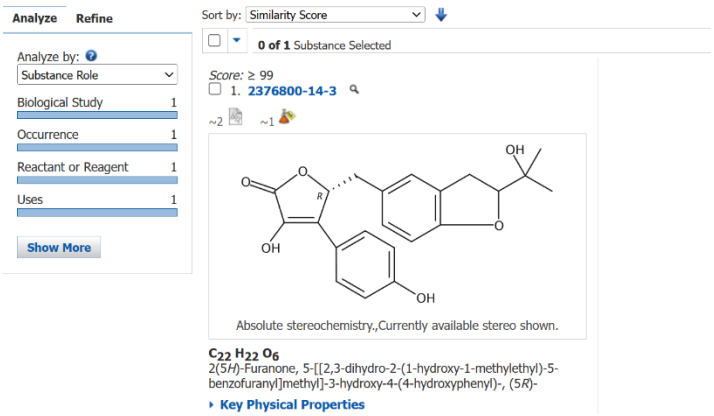


Figure S14: HRESIMS Spectrum of **1**



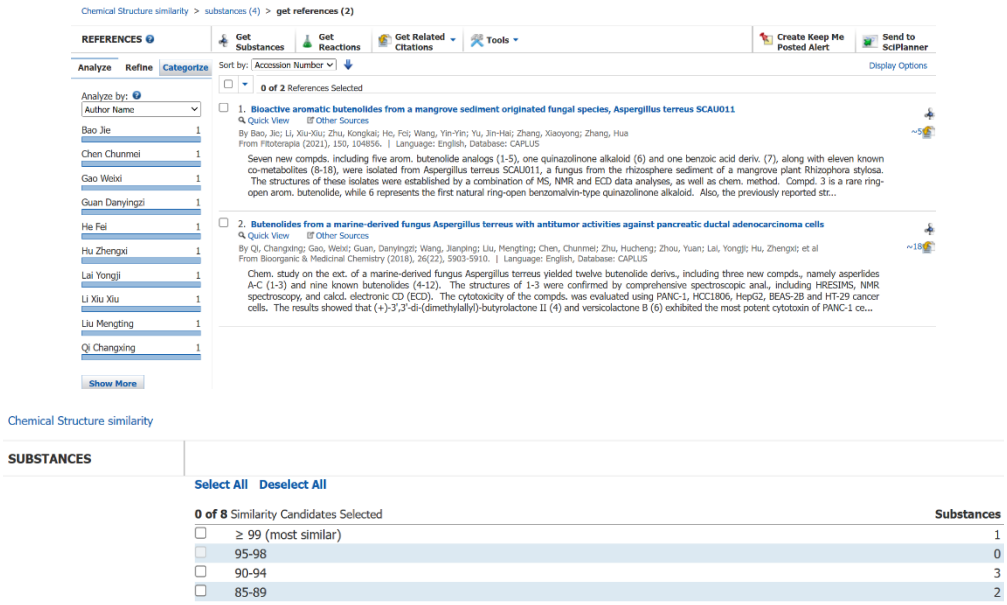
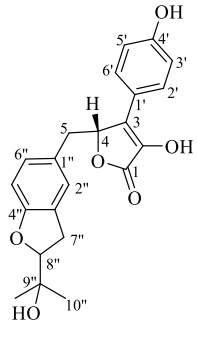
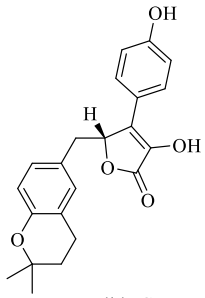


Figure S15: Scifinder similarity report for compound **1**.



1



asperlide C

Table S1: The NMR data of **1** and the most similar analogue.

No.	**1**		asperlide C (**1**)	
	δ_H	δ_C	δ_H	δ_C
1		171.8		170.5
2		137.9		136.6
3		123.7		126.5
4	5.57, dd (3.6, 5.3)	80.3	5.52 m	78.9
5	3.24, dd (14.6, 3.6) 2.87, dd (14.6, 5.3)	39.8	3.16 m 2.79 m	38.3
1′		131.6		122.3
2′	7.58, d (8.7)	130.4	7.52 d (8.6)	128.9
3′	6.89, d (8.7)	116.6	6.85 d (8.7)	115.2
4′		159.3		157.9
5′	6.89, d (8.7)	116.6	6.85 d (8.7)	128.9
6′	7.58, d (8.7)	130.4	7.52 d (8.6)	126.5
1″		128.2		128.5
2″	6.76, d (1.6)	127.4	6.60 m	130.8
3″		128.0		119.3
4″		160.3		151.8
5″	6.54, d (8.0)	109.2	6.51 m	116.0
6″	6.69, d (8.0, 1.6)	130.4	6.66 m	128.5
7″	3.06, m	31.5	2.82 dd (5.1, 16.3) 2.57 dd (5.7, 16.7)	30.7
8″	4.52, dd (9.2,8.7)	90.4	3.66 t (5.2)	69.1
9″		72.5		76.6
10″	1.19, s	25.3	1.25 s	24.5
11″	1.21, s	25.2	1.16 s	19.5