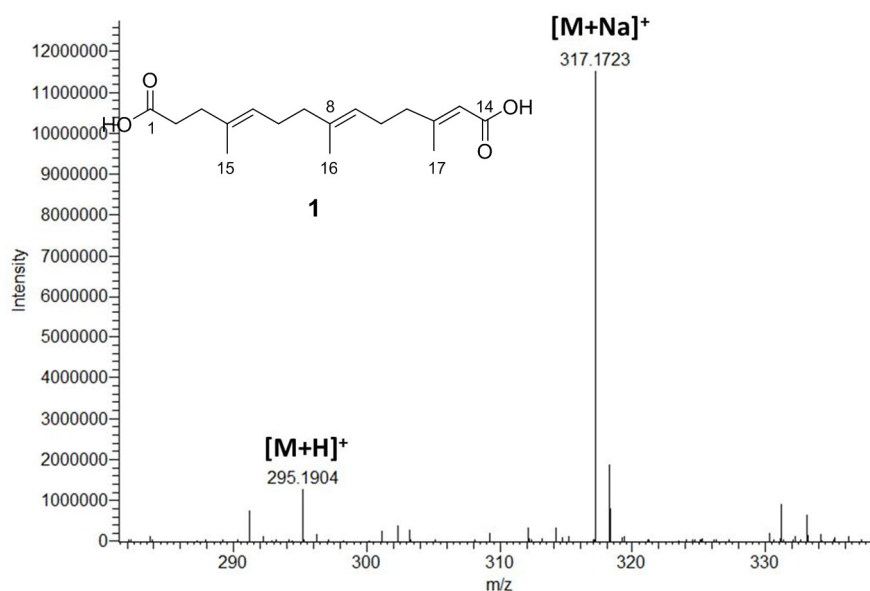
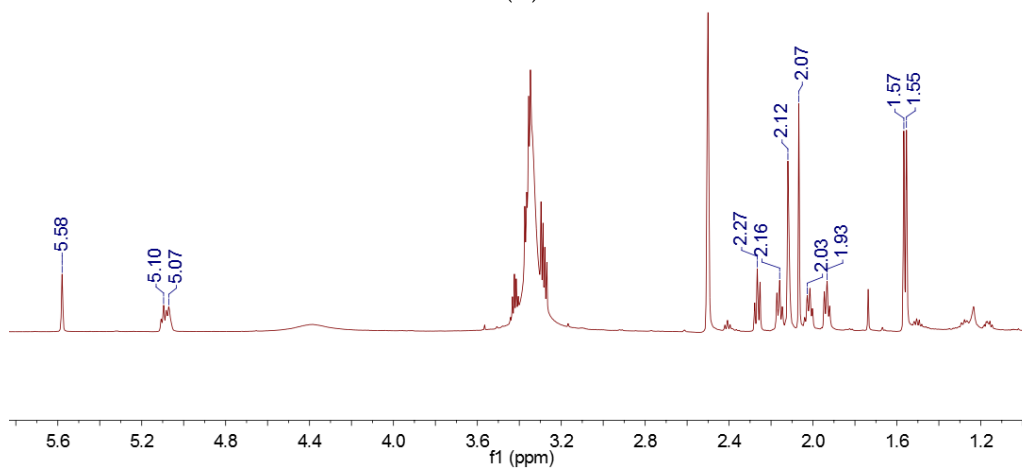


Supplementary Materials: A New Dioic Acid from a *wbl* Gene Mutant of Deepsea-Derived *Streptomyces somaliensis* SCSIO ZH66

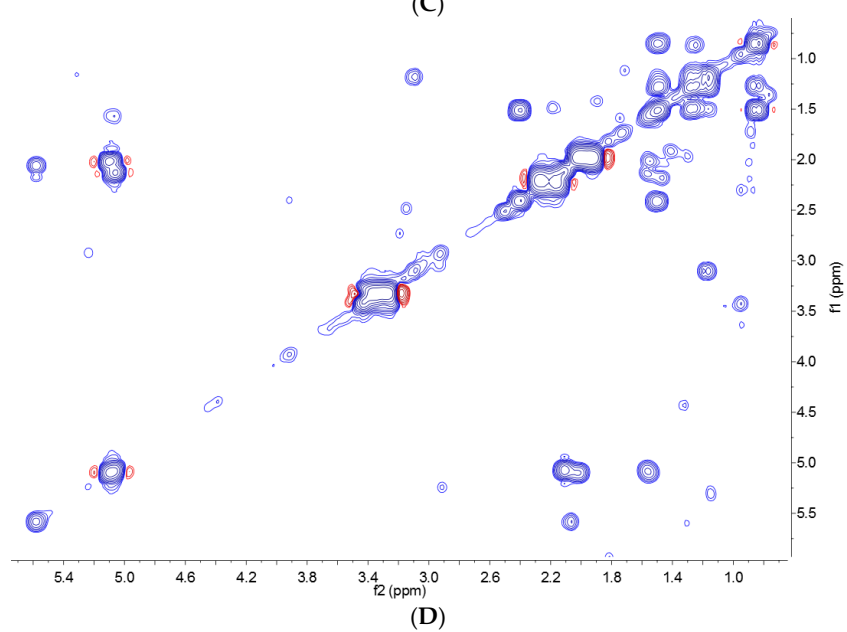
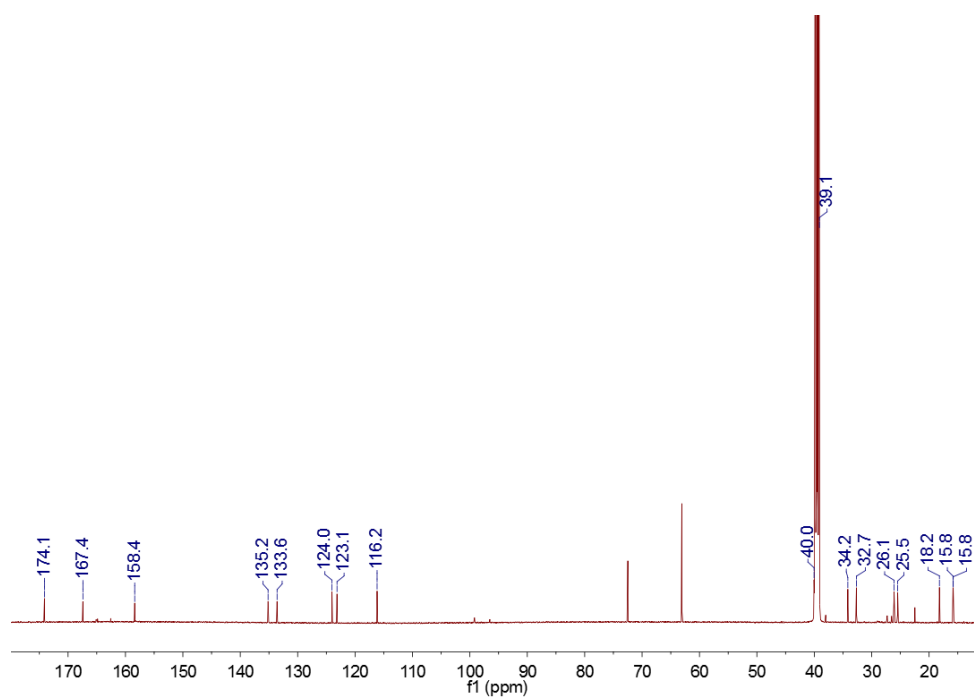
Huiming Huang, Huayue Li, Yanhong Qiu, Lukuan Hou, Jianhua Ju and Wenli Li

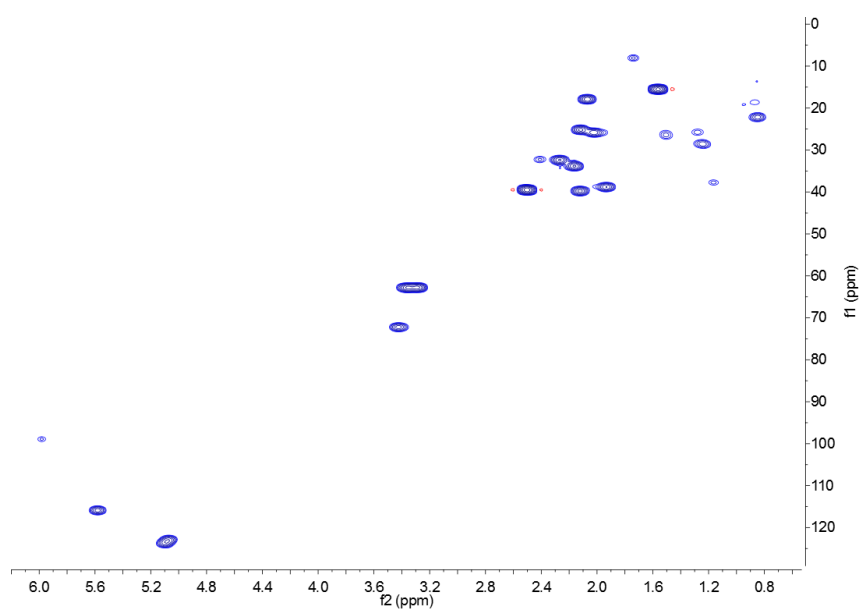


(A)

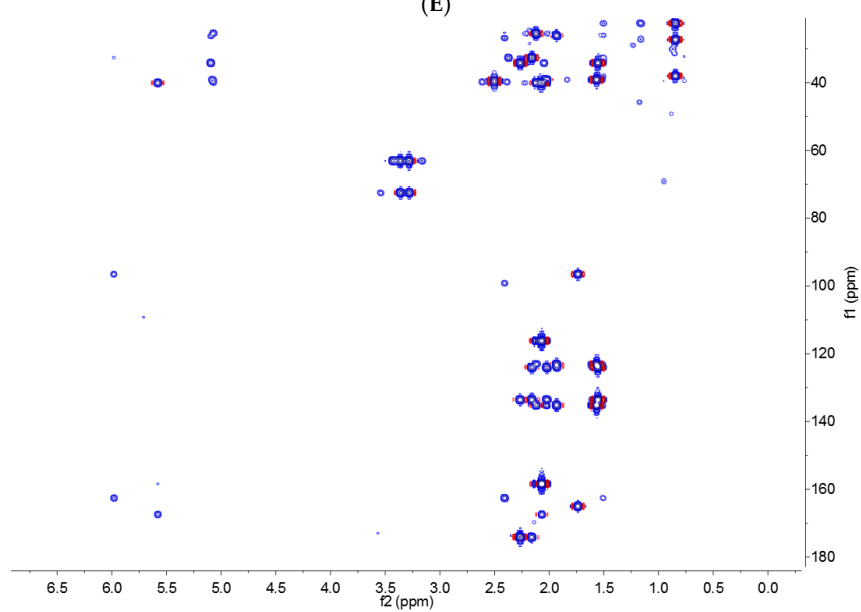


(B)





(E)



(F)

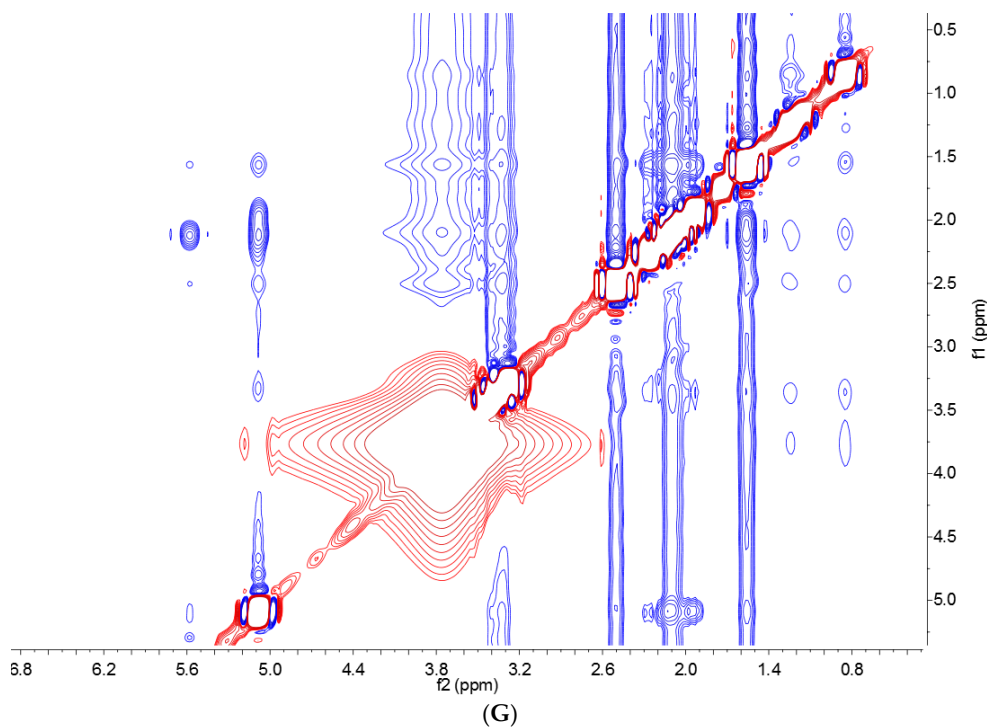
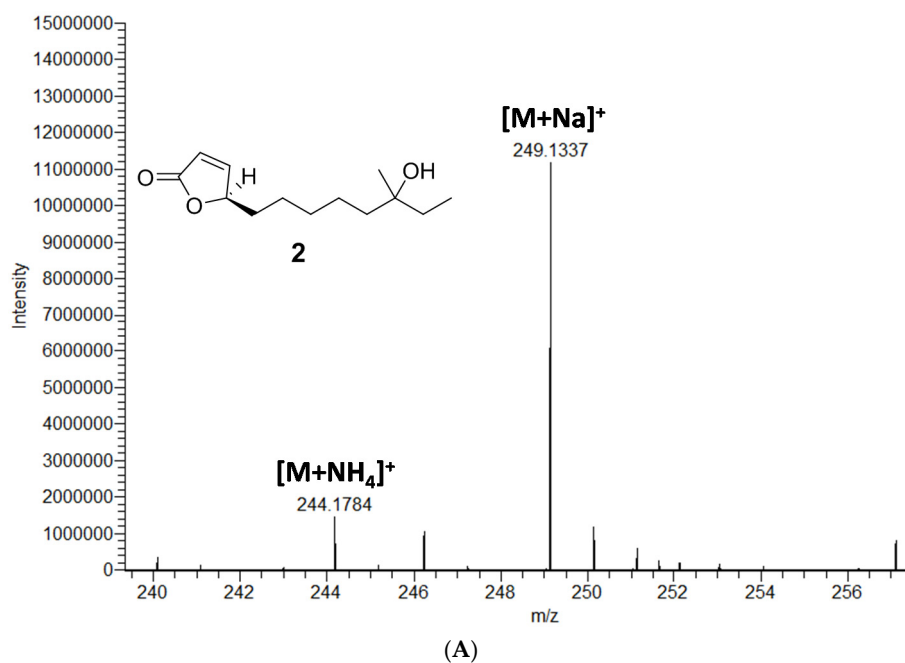


Figure S1. Spectral data of compound **1**; (A) The HR-ESIMS spectrum of compound **1**; (B) The ^1H -NMR spectrum of compound **1** in $\text{DMSO}-d_6$; (C) The ^{13}C -NMR spectrum of compound **1** in $\text{DMSO}-d_6$; (D) The ^1H - ^1H COSY spectrum of compound **1** in $\text{DMSO}-d_6$; (E) The HSQC spectrum of compound **1** in $\text{DMSO}-d_6$; (F) The HMBC spectrum of compound **1** in $\text{DMSO}-d_6$; (G) The NOESY spectrum of compound **1** in $\text{DMSO}-d_6$.



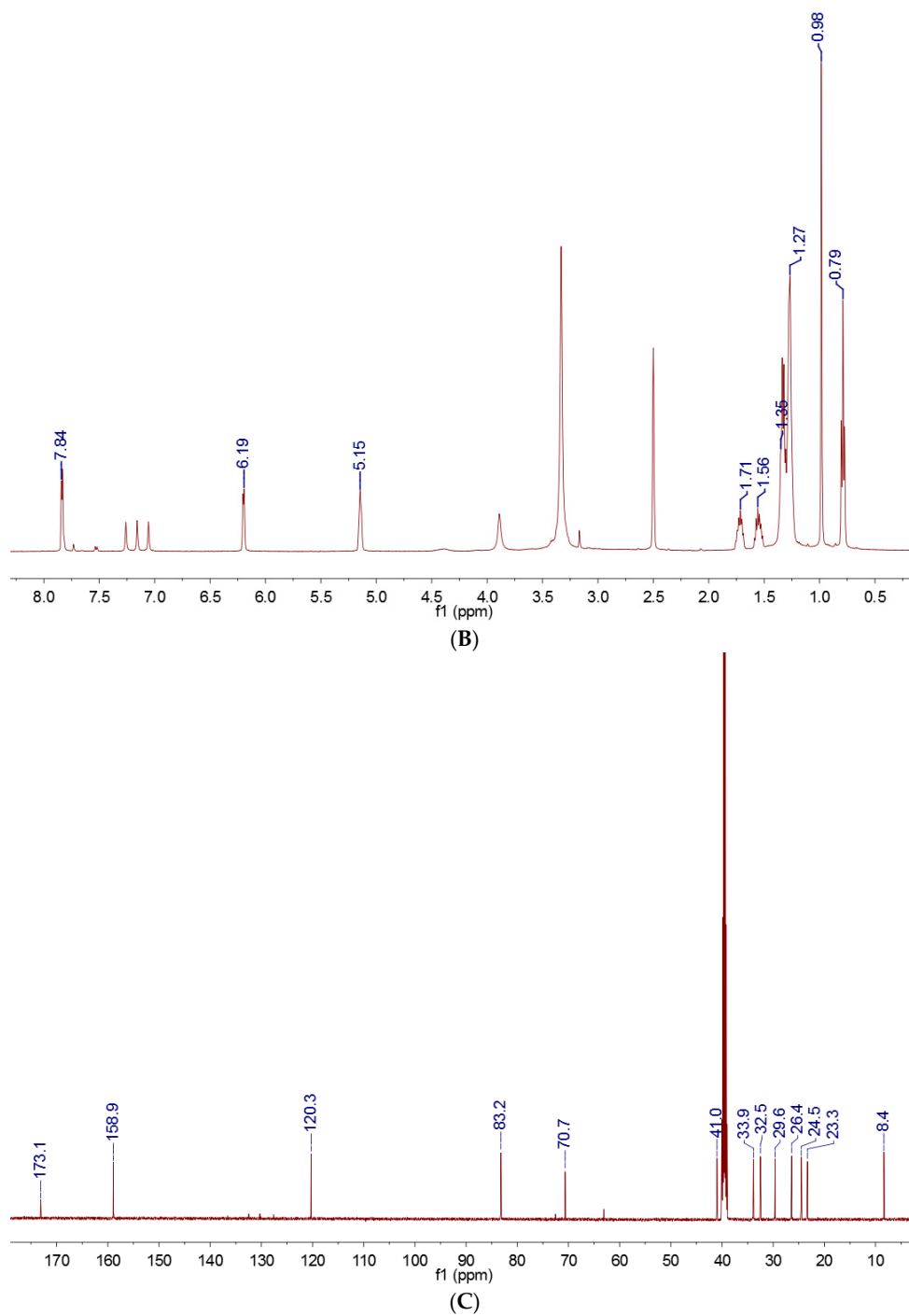


Figure S2. Spectral data of compound **2**; (A) The HR-ESIMS spectrum of compound **2**; (B) The ^1H -NMR spectrum of compound **2** in $\text{DMSO}-d_6$; (C) The ^{13}C -NMR spectrum of compound **2** in $\text{DMSO}-d_6$.

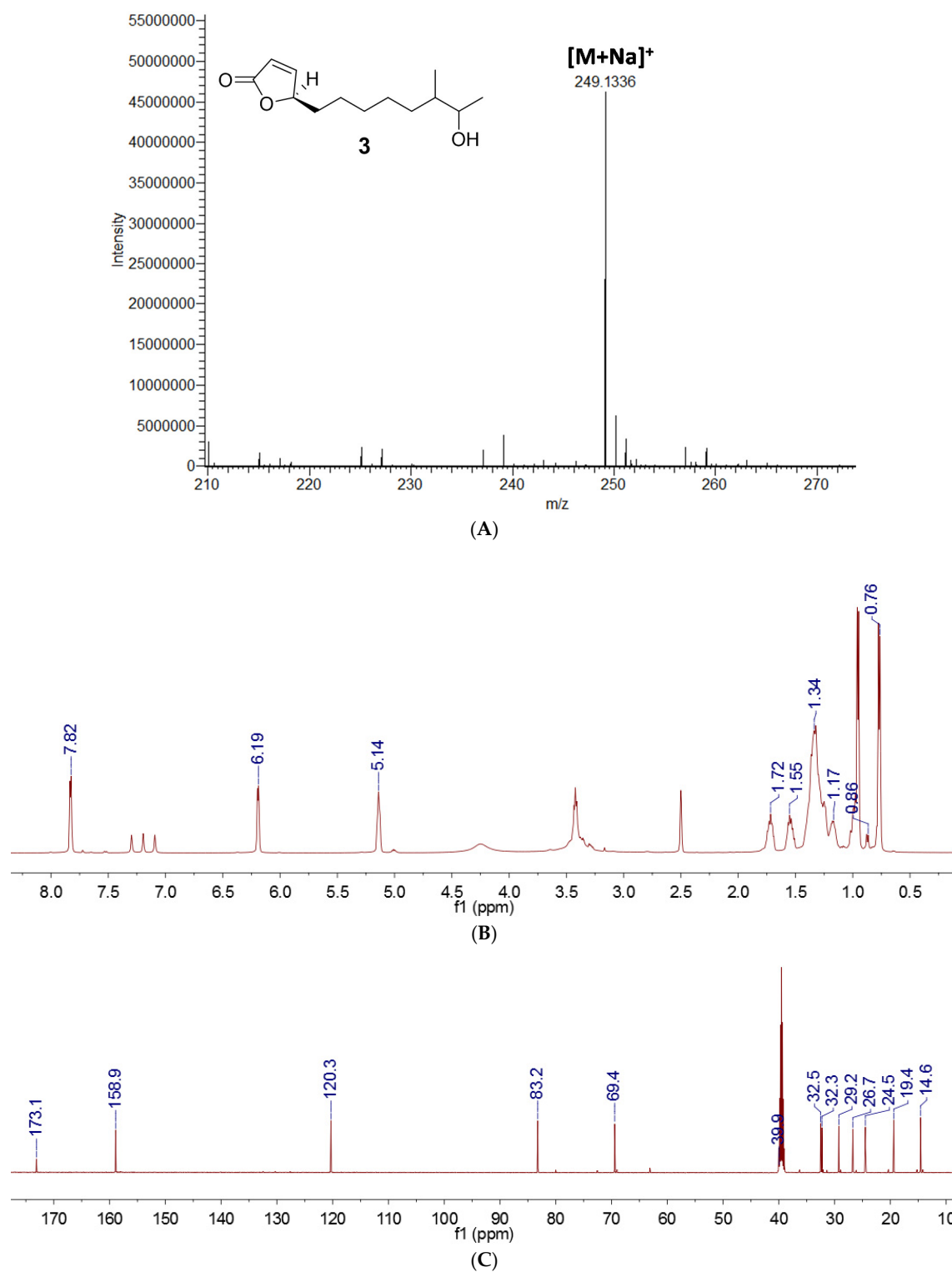


Figure S3. Spectral data of compound **3**; (A) The HR-ESIMS spectrum of compound **3**; (B) The 1H -NMR spectrum of compound **3** in $DMSO-d_6$; (C) The ^{13}C -NMR spectrum of compound **3** in $DMSO-d_6$.

Table S1. ^1H and ^{13}C -NMR data of compound 2 and 3 in $\text{DMSO}-d_6$ (δ in ppm, J in Hz).

Position	2		3	
	δ_{H}	δ_{C}	δ_{H}	δ_{C}
1	-	173.1	-	173.1
2	6.19 (1H, d, 4.8)	120.3	6.19 (1H, d, 4.8)	120.3
3	7.84 (1H, d, 5.5)	158.9	7.82 (1H, d, 5.5)	158.9
4	5.15 (1H, m)	83.2	5.14 (1H, m)	83.2
5	1.71 (2H, m, H-5a)	32.5	1.72 (2H, m, H-5a)	32.5
	1.56 (2H, m, H-5b)		1.55 (2H, m, H-5b)	
6	1.27~1.35 (2H, m)	24.5	1.17~1.34 (2H, m)	24.5
7	1.27~1.35 (2H, m)	29.6	1.17~1.34 (2H, m)	29.2
8	1.27~1.35 (2H, m)	23.3	1.17~1.34 (2H, m)	26.7
9	1.27~1.35 (2H, m)	41.0	1.17~1.34 (2H, m)	32.3
10-OH	1.27~1.35 (m)	70.7	1.17~1.34 (1H, m)	39.9
11	1.27~1.35 (2H, m)	33.9	1.17~1.34 (1H, m)	69.4
12	0.79 (3H, t, 7.4)	8.4	0.86 (3H, d, 6.2)	19.4
13	0.98 (3H, s)	26.4	0.76 (3H, d, 6.6)	14.6