

Supplementary Information

Figure S1. The (+)-HRESIMS spectrum of tetrocarcin Q (1)

Figure S2. The ^1H NMR spectrum of tetrocarcin Q (1)

Figure S3. The ^{13}C NMR spectrum of tetrocarcin Q (1)

Figure S4. The HSQC spectrum of tetrocarcin Q (1)

Figure S5. The HMBC spectrum of tetrocarcin Q (1)

Figure S6. The ^1H - ^1H COSY spectrum of tetrocarcin Q (1)

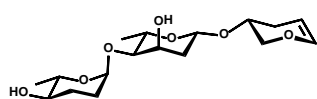
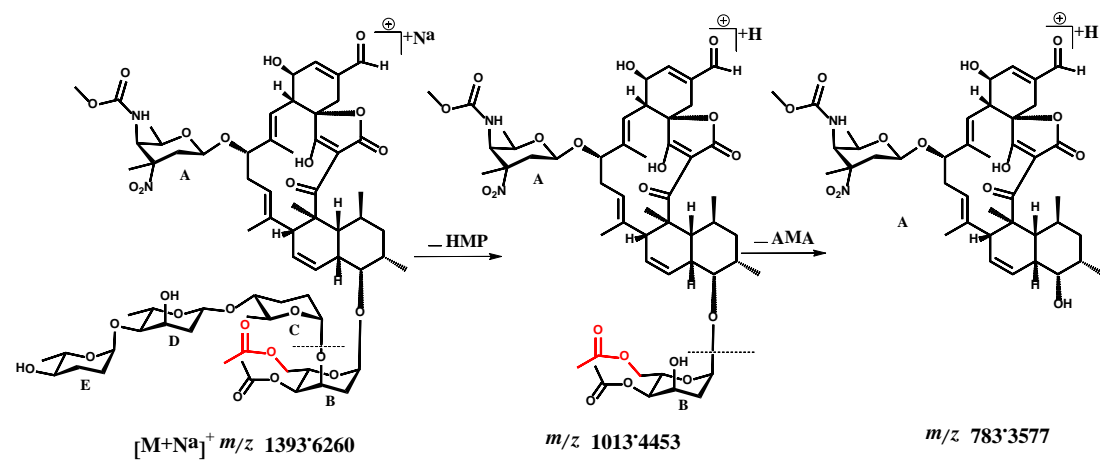
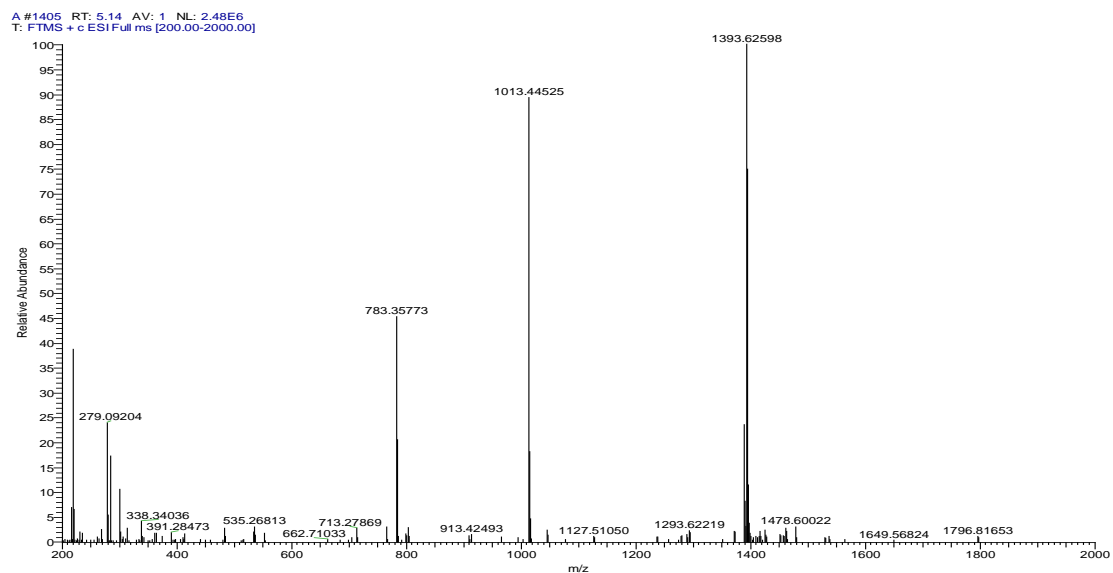
Figure S7. The ROESY spectrum of tetrocarcin Q (1)

Figure S8. The CD spectrum of tetrocarcin Q (1) [⊗]

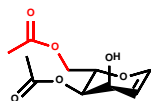
Figure S9. The CD spectra of compounds 1 - 7

Figure S10. The ^{13}C NMR difference spectra of tetrocarcin Q (1) and tetrocarcin A (2)

Table S1. The ^1H and ^{13}C NMR different data for tetrocarcin Q (1) and tetrocarcin A (2)



HMP=(2S,3R,6S)-6-(((2S,3R,4R,6R)-4-hydroxy-2-methyl-6-(((2S,3R)-2-methyl-3,4-dihydro-2H-pyran-3-yl)oxy)tetrahydro-2H-pyran-3-yl)oxy)-2-methyltetrahydro-2H-pyran-3-ol



AMA=((2S,3R,4R)-3-acetoxy-4-hydroxy-3,4-dihydro-2H-pyran-2-yl)methyl acetate

Figure S1. The (+)-HRESIMS spectrum of tetrocarcin Q (1)

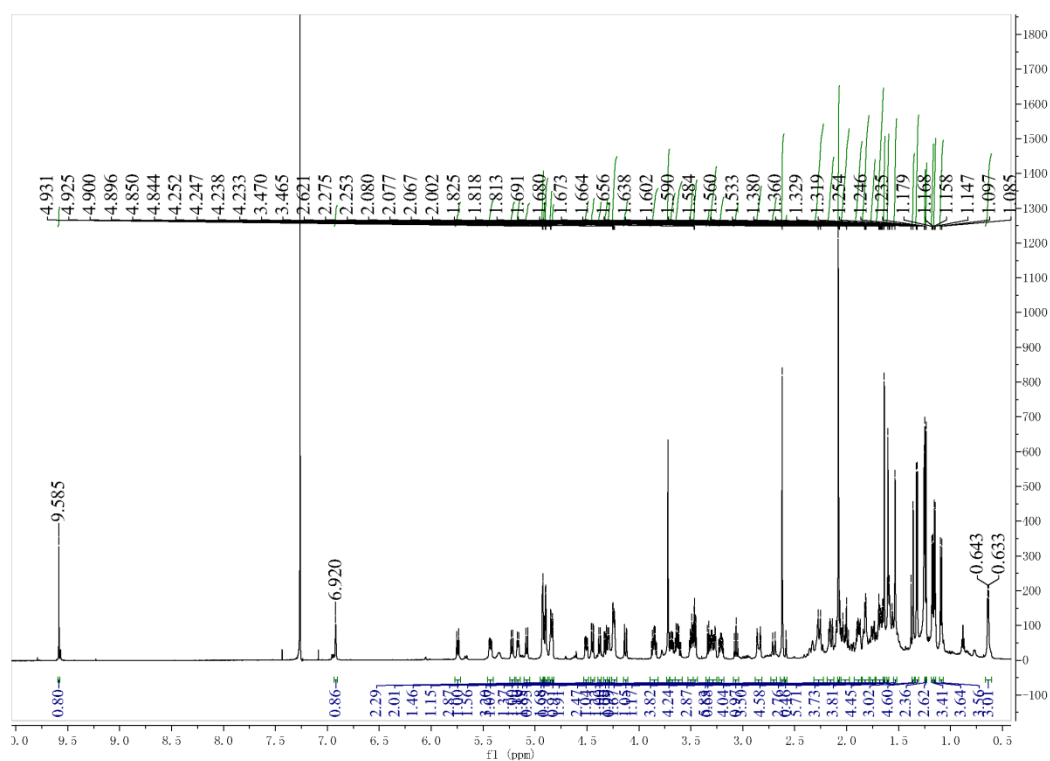


Figure S2. The ¹H NMR spectrum of tetrocarcin Q (1)

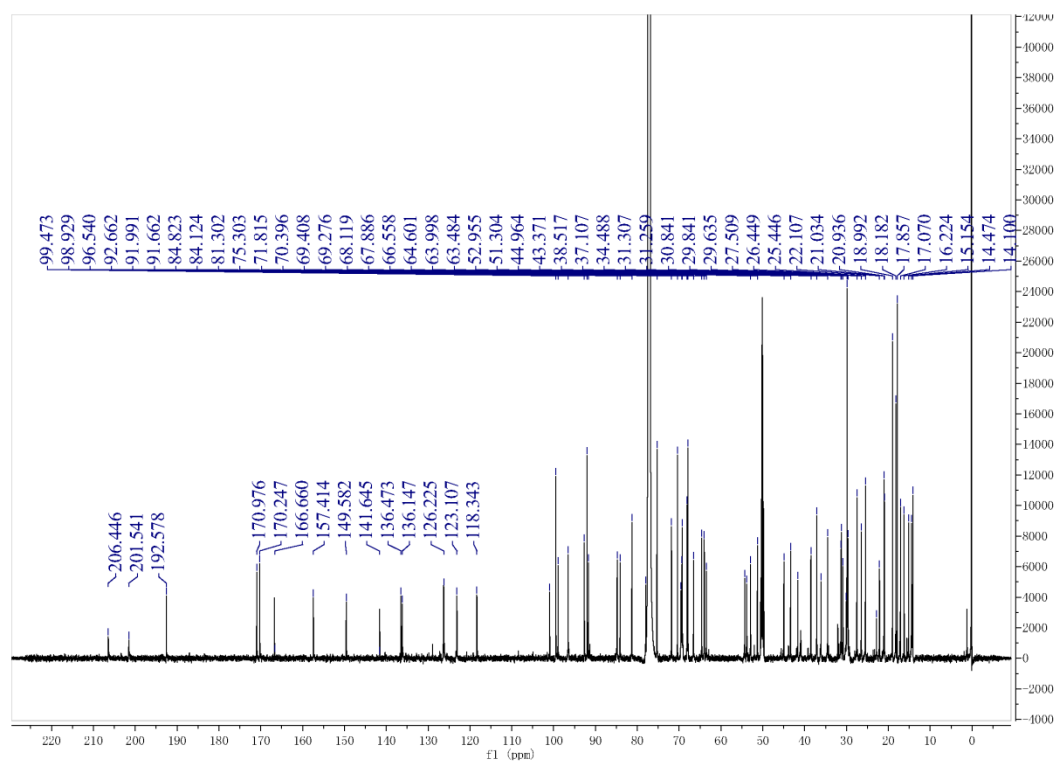


Figure S3. The ¹³C NMR spectrum of tetrocarcin Q (1)

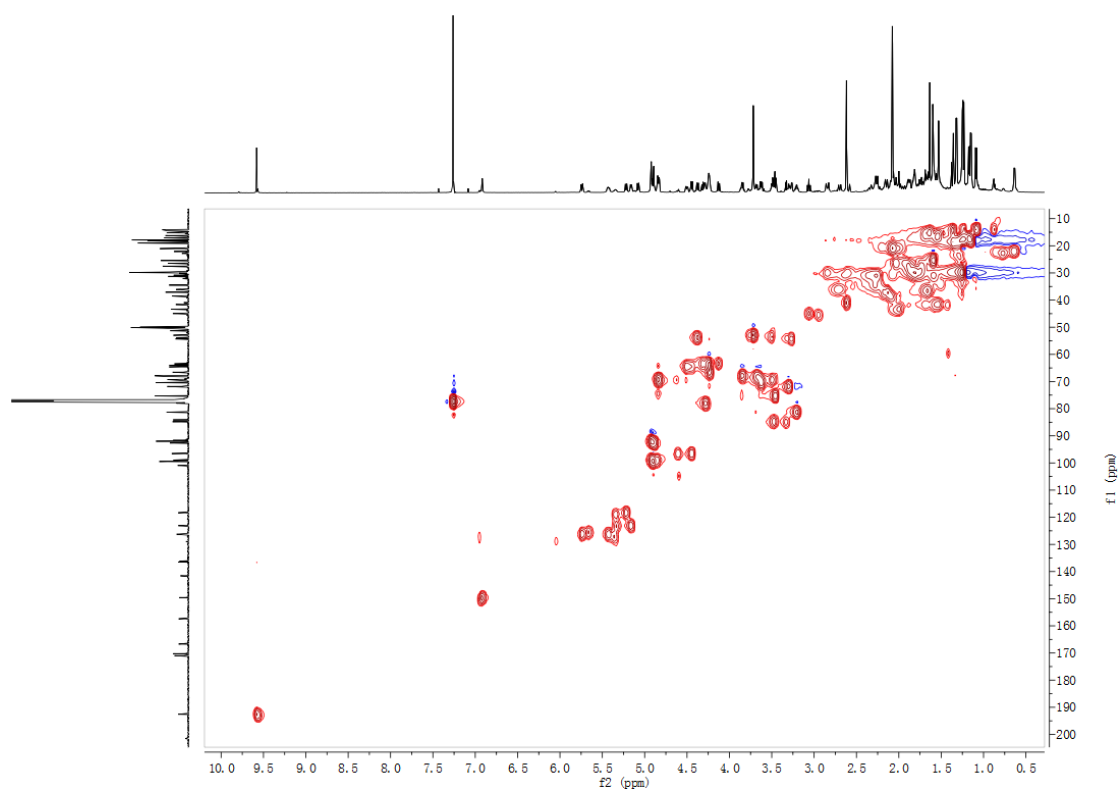


Figure S4. The HSQC spectrum of tetrocarcin Q (1)

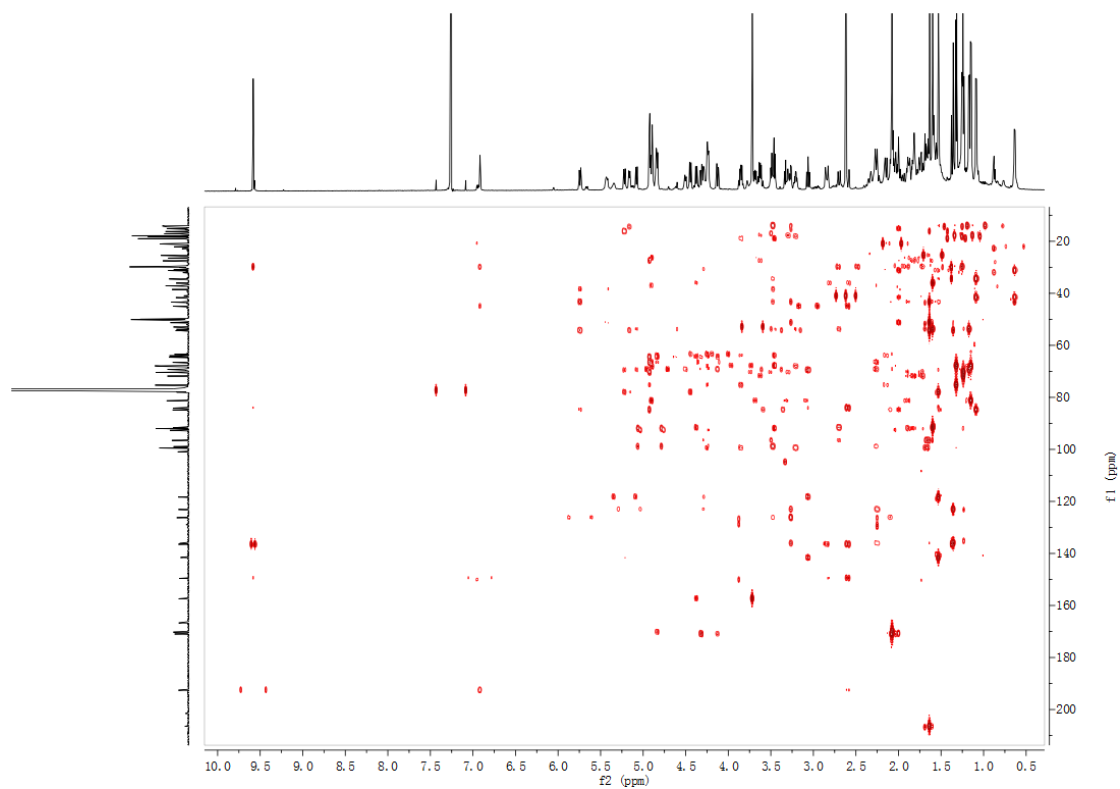


Figure S5. The HMBC spectrum of tetrocarcin Q (1)

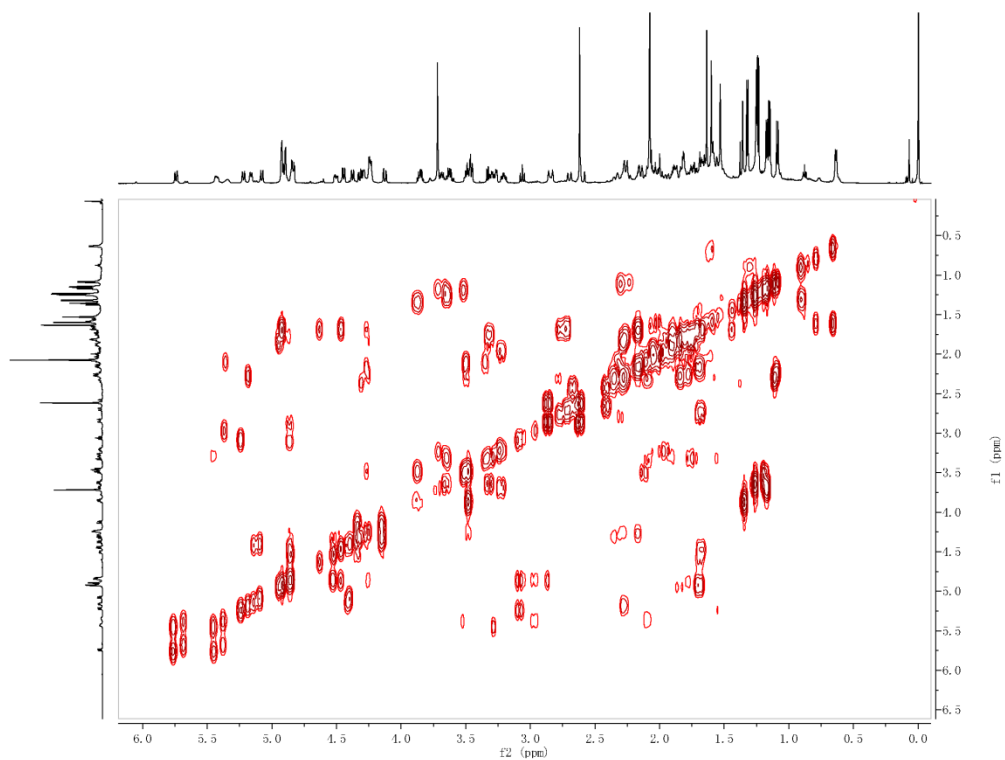


Figure S6. The ^1H - ^1H COSY spectrum of tetrocarcin Q (**1**)

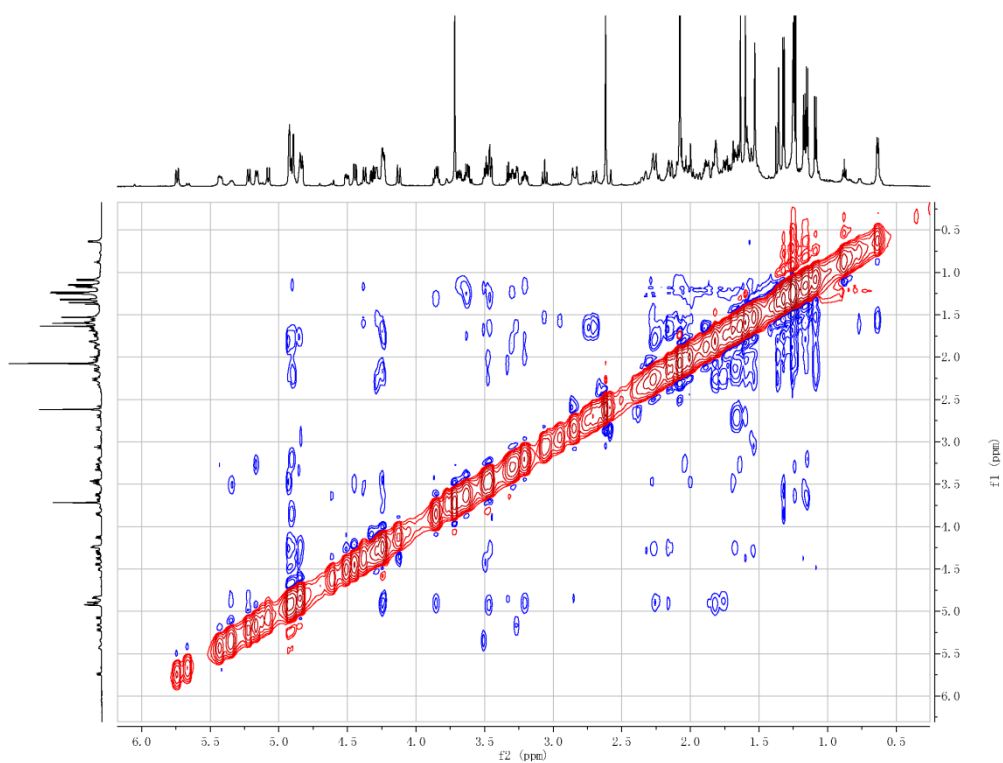


Figure S7. The ROESY spectrum of tetrocarcin Q (**1**)

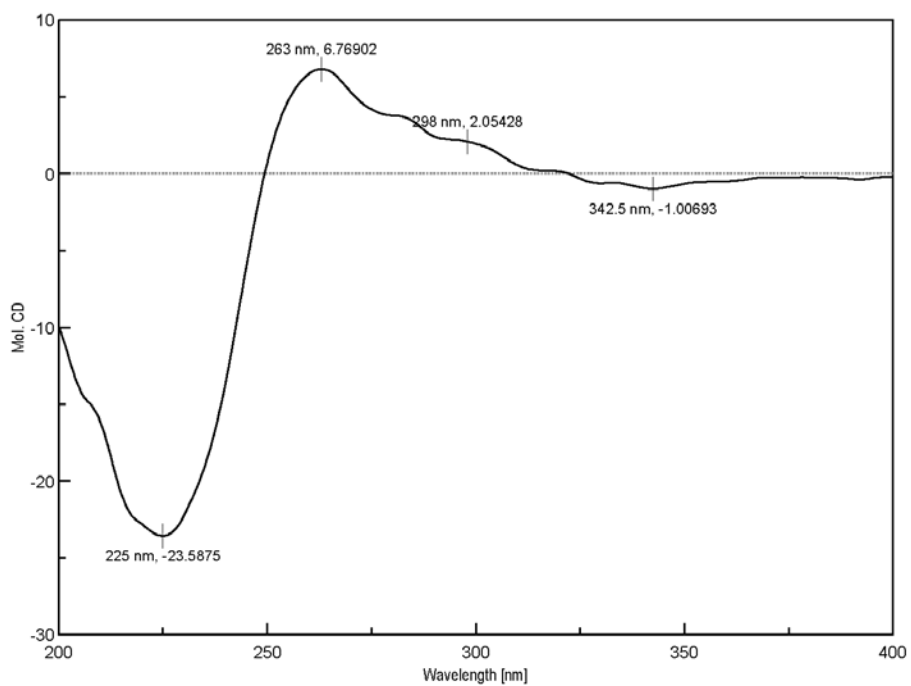


Figure S8. The CD spectrum of tetrocarcin Q (1)

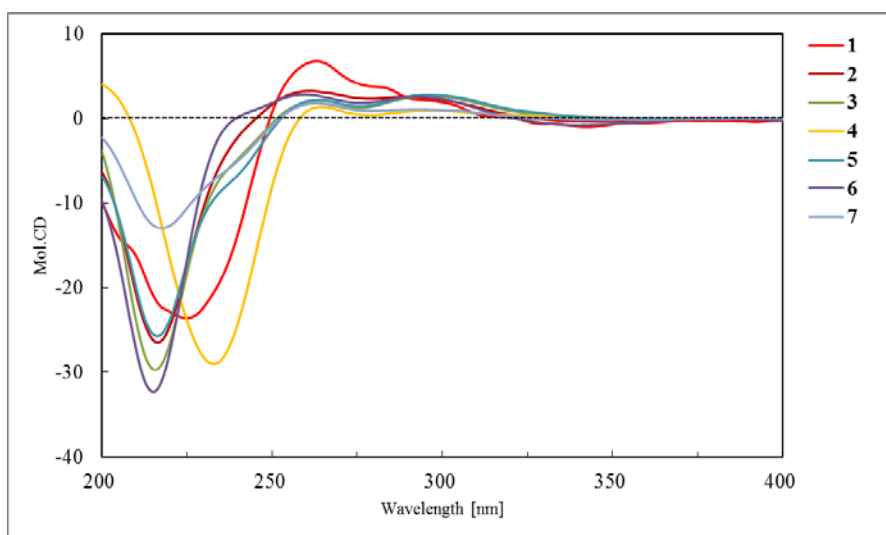
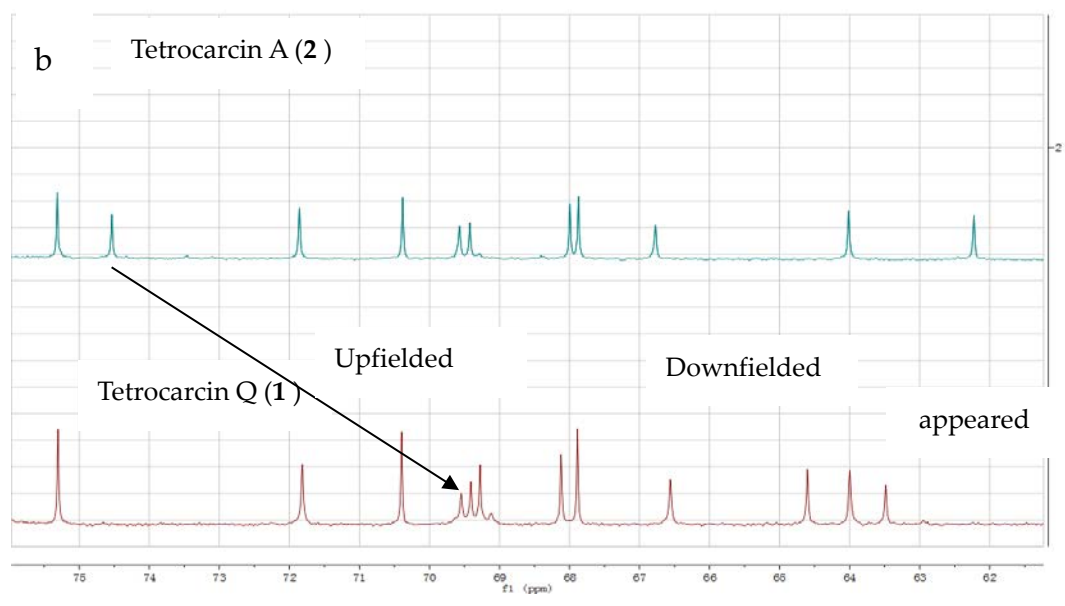
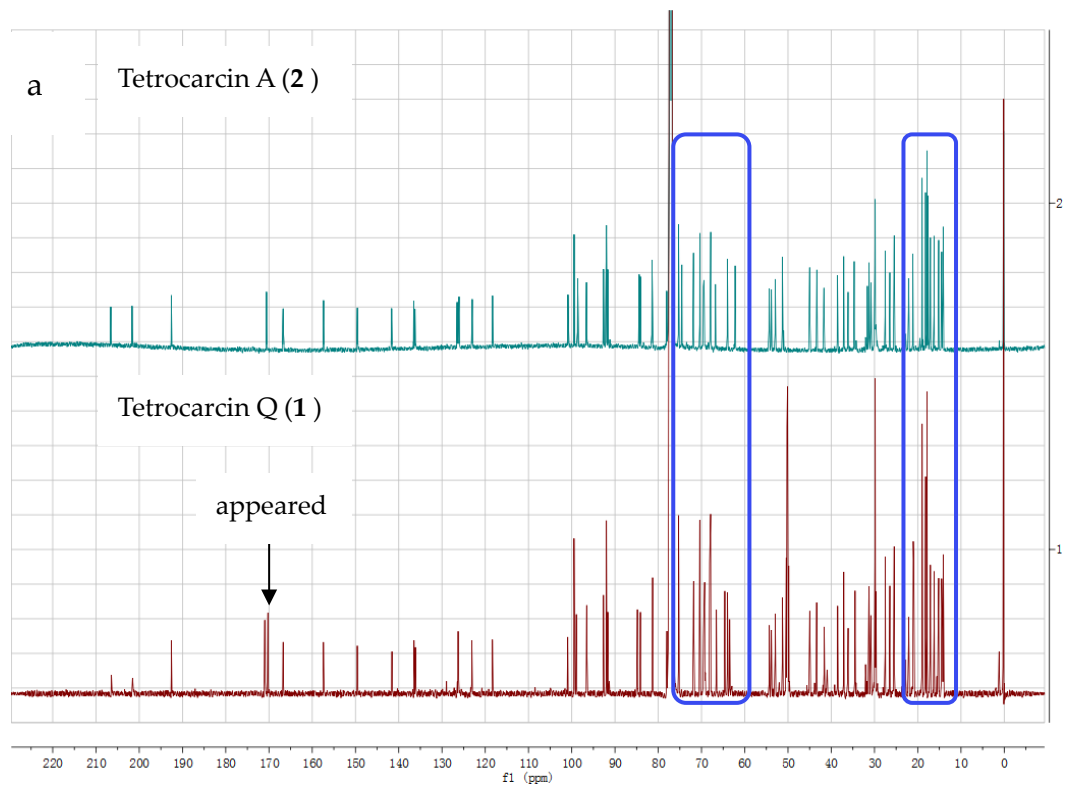


Figure S9. The CD spectra of compounds 1 - 7 (c 0.5(w/v)%, MeOH)



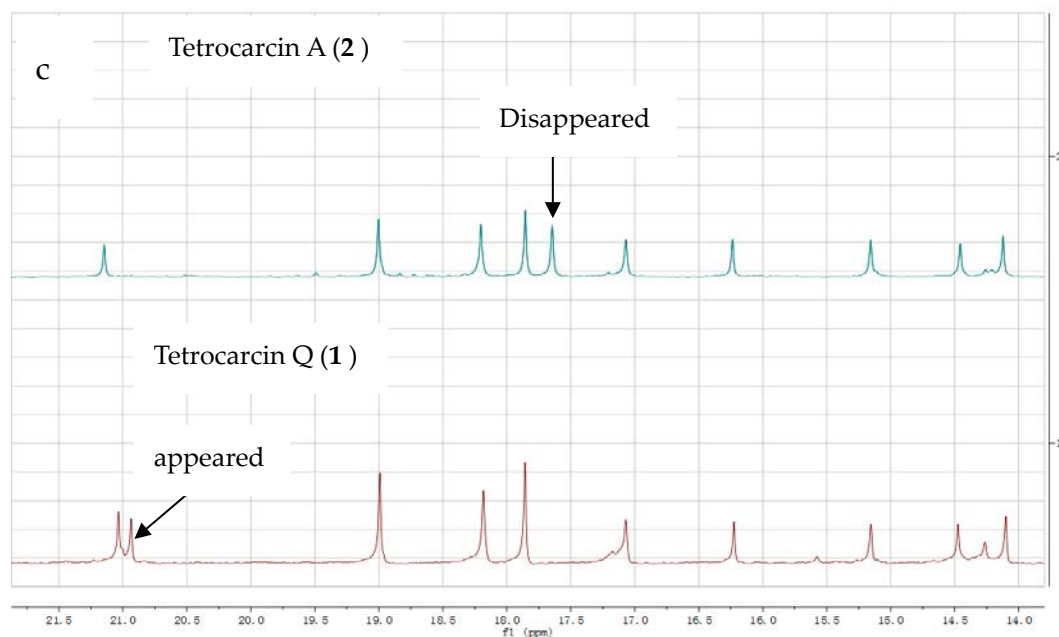


Figure S10. The ^{13}C NMR difference spectra of tetrocarcin Q (1) and tetrocarcin A (2). **a)** Full spectra; **b)** Partial spectra in 61.5 – 75.8 ppm; **c)** Partial spectra in 14.0 – 21.5 ppm.

Table S1. The ^1H and ^{13}C NMR different data for tetrocarcin Q (1) and tetrocarcin A (2).

No.	tetrocarcin Q (1)		tetrocarcin A (2)	
	δ_{H} mult. (J in Hz)	δ_{C}	δ_{H} mult. (J in Hz)	δ_{C}
B-1	4.90, d (4.8)	98.9	4.83, d (4.8)	98.6
B-2	2.24, dd (14.4, 3.0); 1.79, m	31.2	2.24, dd (14.4, 3.0); 1.79, m	31.3
B-3	4.23, m	66.5	3.85, m	66.6
B-4	4.83, dd (10.5, 3.0)	69.5	4.57, dd (9.6, 3.0)	74.5
B-5	4.50, m	64.6	4.36, m	62.2
B-6	4.32, dd(12.0,5.4); 4.12, dd (12.0,1.8)	63.5	1.13, d(6.6)	17.6
B4-OCOCH ₃	2.08, s	20.9	2.09, s	21.2
B4-OCOC ₃		170.2		170.6
B6-OCOCH ₃	2.07, s	21.0		
B6-OCOC ₃		170.9		