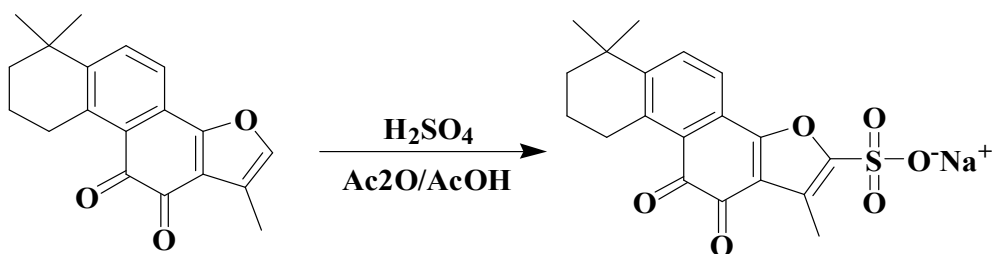


1 **Supplementary material**

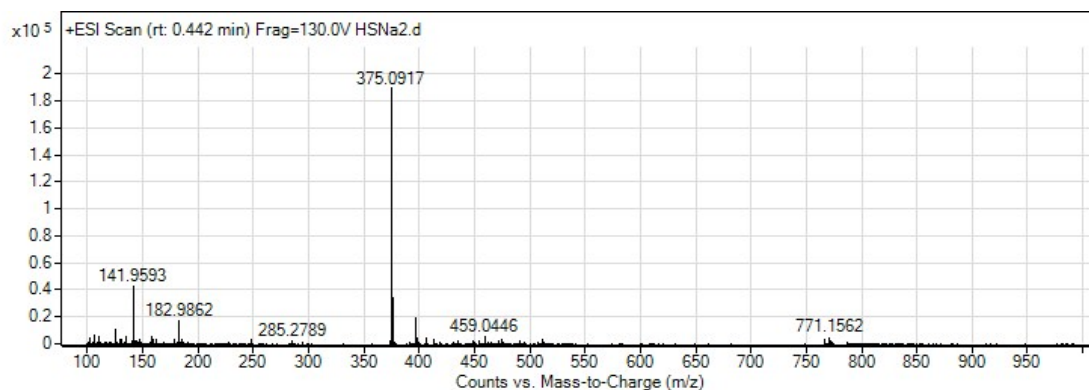
2 **Part1**

3 **The synthetic procedure of Sodium Tanshinone IIA Silate (STS)**

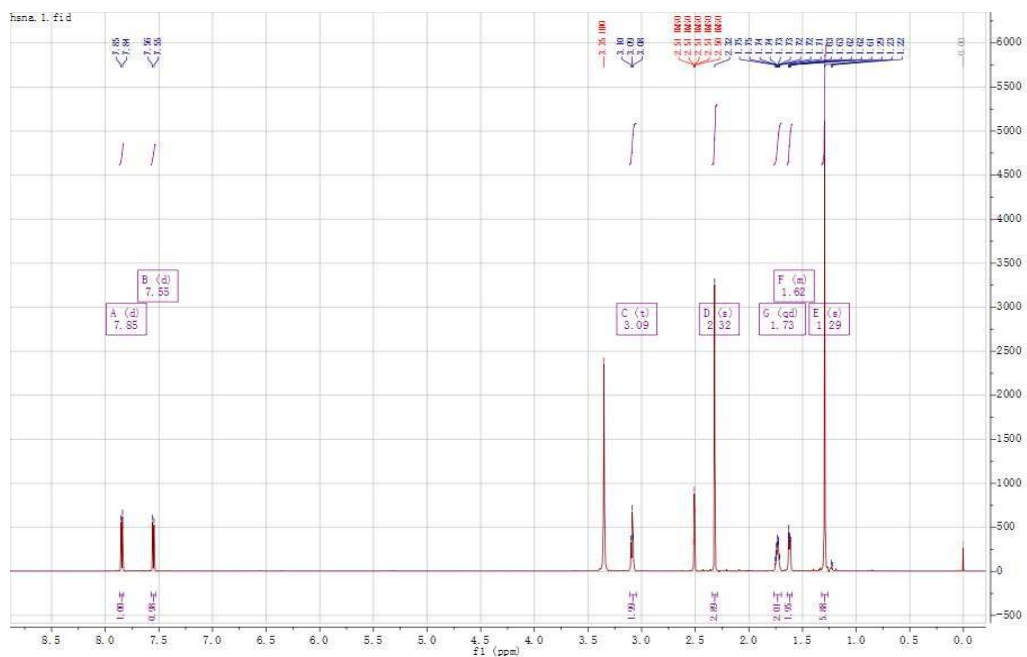
4 To a stirred glacial acetic acid and acetic anhydride solution (1:1V/V) of
5 Tanshinone IIA (1kg), vitriol (1L) was added and the temperature was below
6 35°C. The reaction mixture was stirred at 35~40°C for 1 hours. Afterwards, the
7 mixture solution was dropped into petroleum ether and NaCl was added. The red solid
8 was filtered and the filter cake was washed by dichloromethane to give Sodium
9 Tanshinone IIA Silate (1.09kg, yield:81.36%).



12 **Fig. S1.** The reaction equation of Sodium Tanshinone IIA Silate.



14 **Fig.S2.** Spectrogram of Sodium Tanshinone IIA Silate.



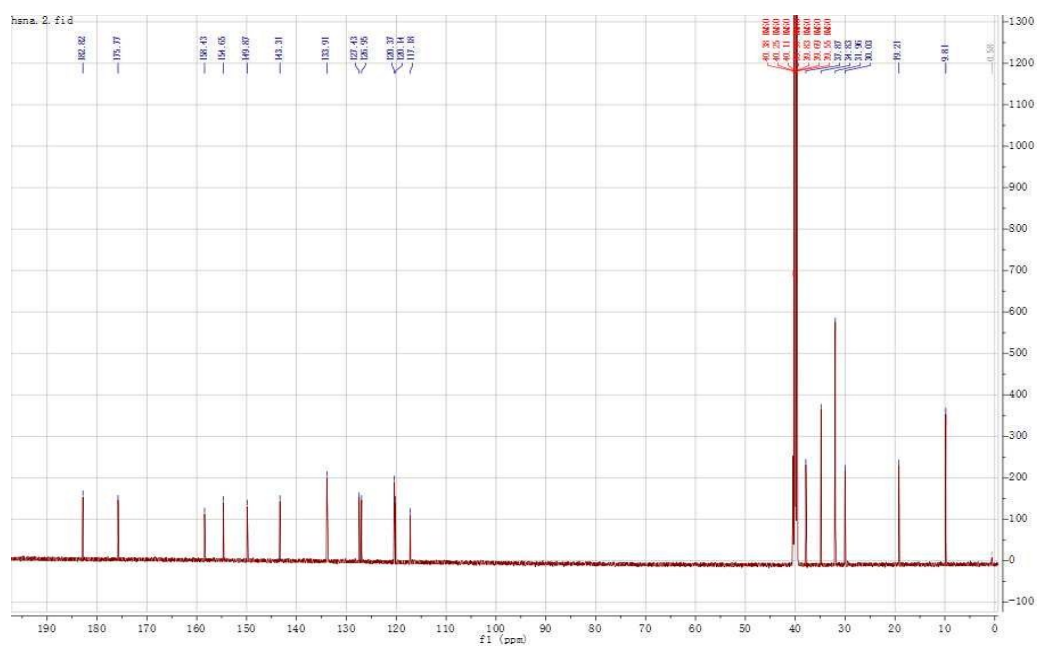
15

16 **Fig.S3.** ^1H NMR spectral data of Sodium Tanshinone IIA Silate.

17

18

19

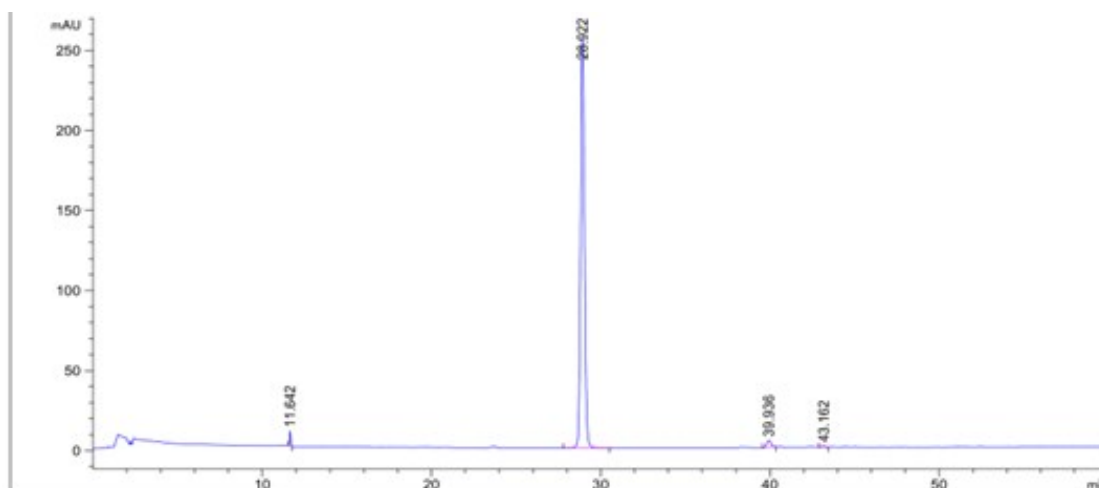


20

21 **Fig.S4.** ^{13}C NMR spectral data of Sodium Tanshinone IIA Silate.

22

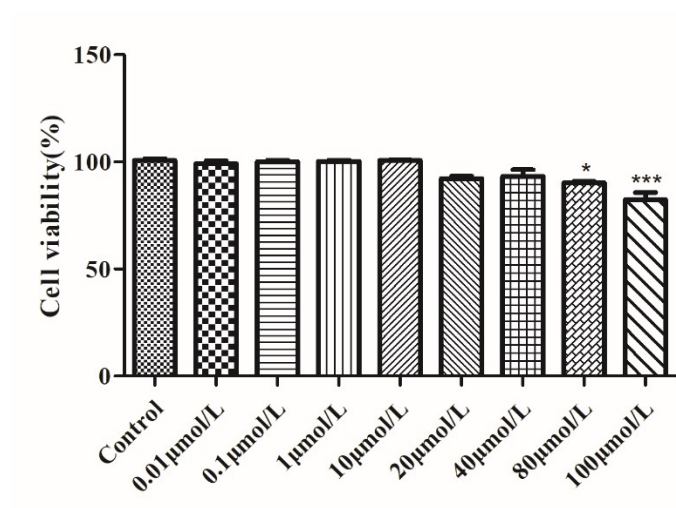
23



24

25 **Fig.S5.** Chromatogram of Sodium Tanshinone IIA Silate.

26 **Part2**



27

28 **Fig.S6.** Cell viability of STS on B16F10 cells for 48h

29