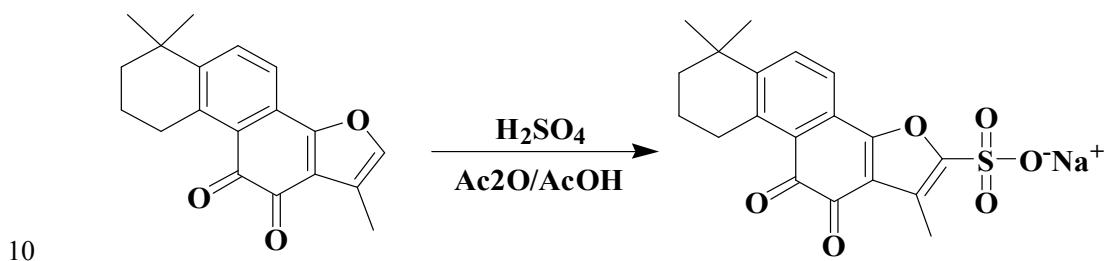


1 **Supplementary material**

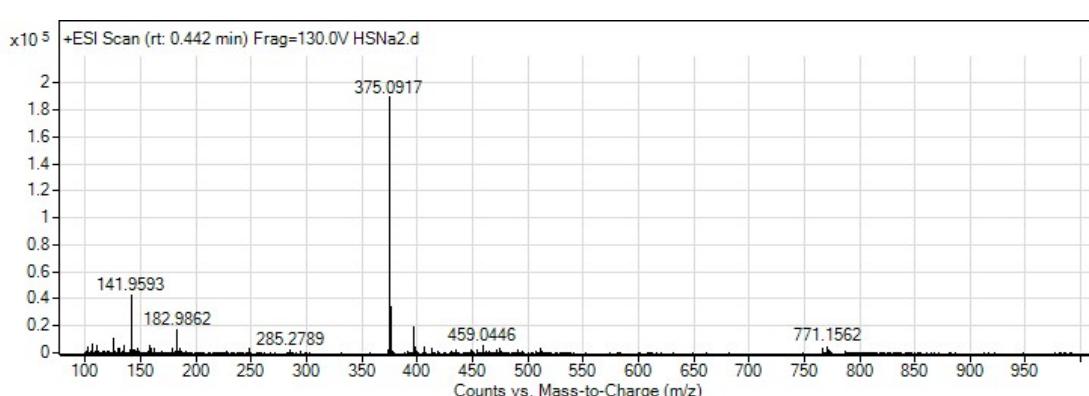
2 **Part1**

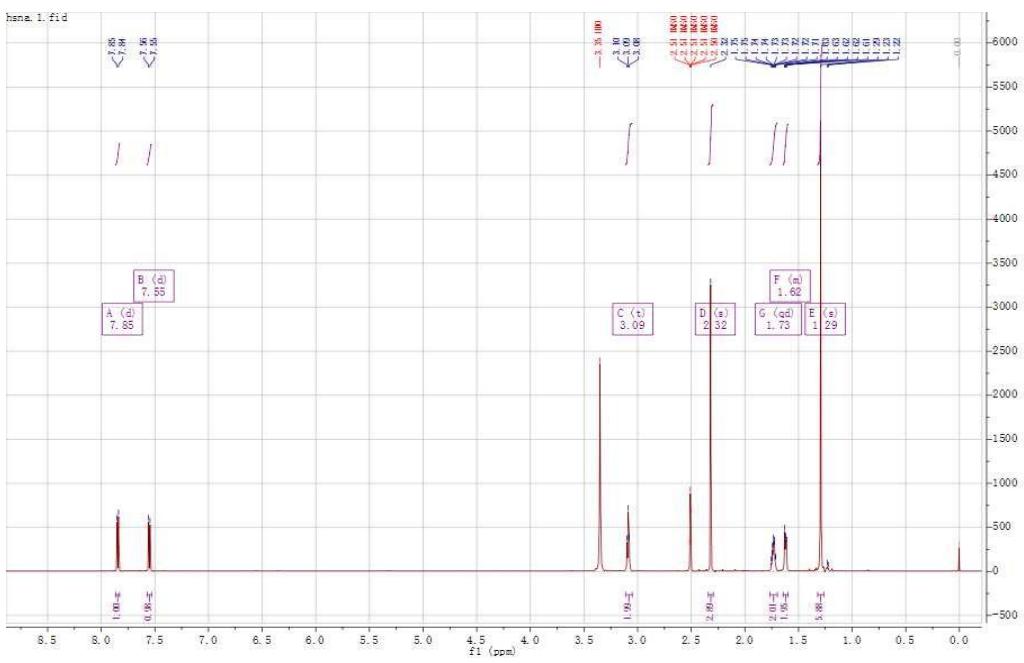
3 **The synthetic procedure of Sodium Tanshinone IIA Silicate (STS)**

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 Silicate (1.09kg, yield:81.36%).



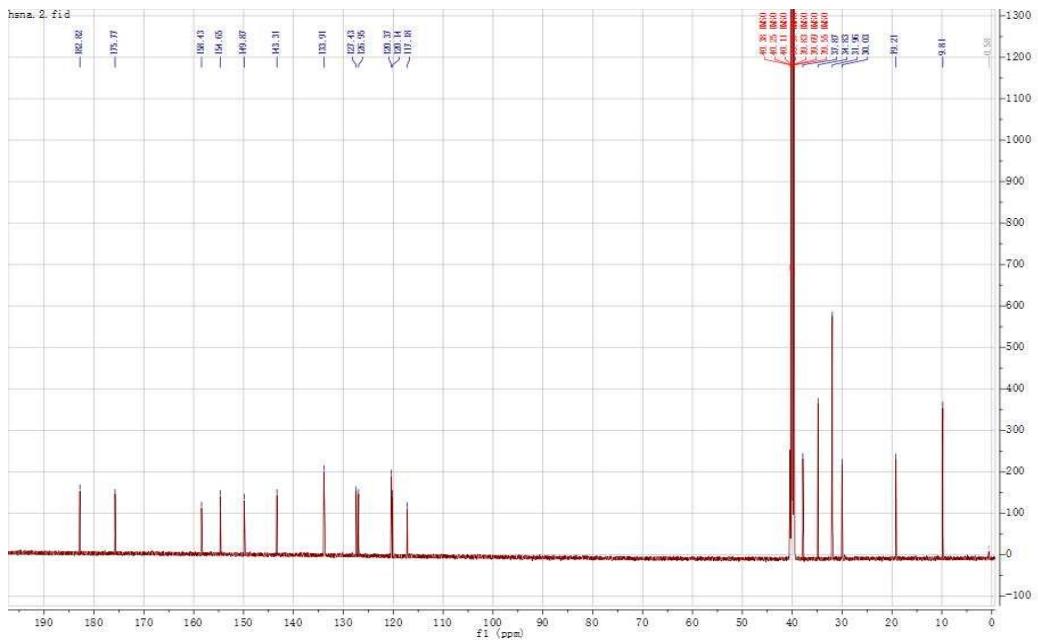
13





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

17
18
19

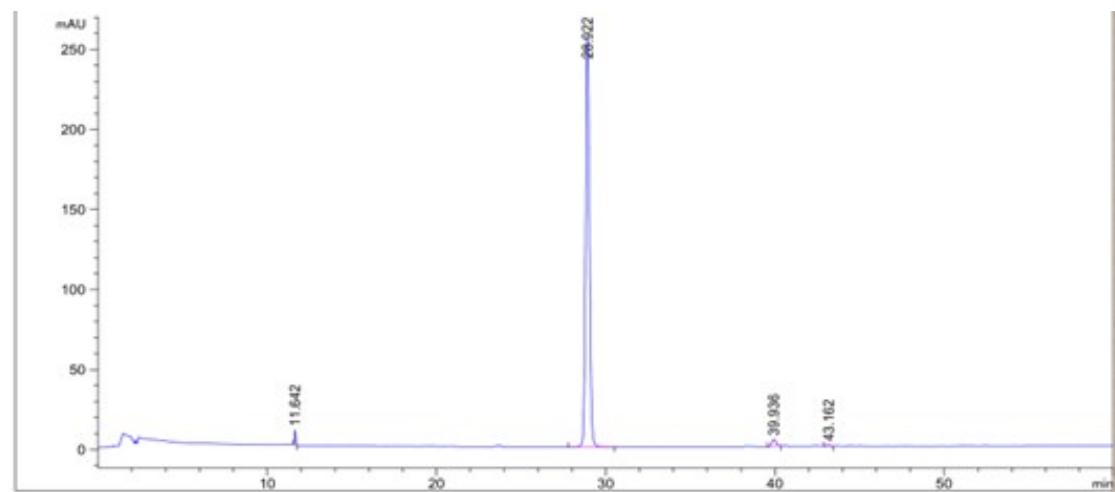


21 **Fig.S4.** ^{13}C NMR spectral data of Sodium Tanshinone IIA Silicate.

22

23

24



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

26 **Part2**

27

28

29

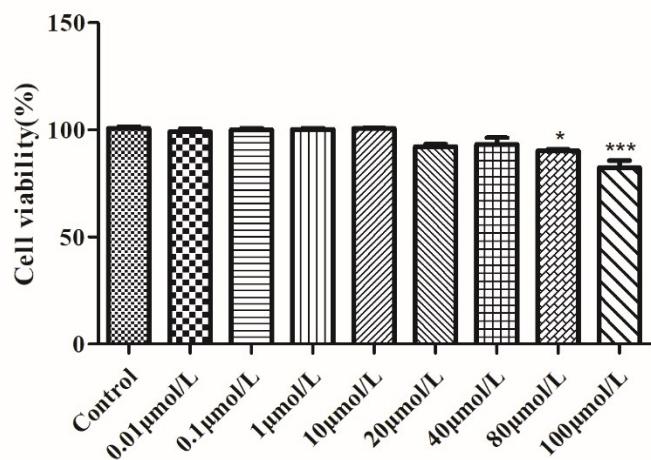


Fig.S6. Cell viability of STS on B16F10 cells for 48h