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

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

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14 Fig.S2. Spectrogram of Sodium Tanshinone IIA Silate.
Fig. S3. $^1$H NMR spectral data of Sodium Tanshinone IIA Silate.

Fig. S4. $^{13}$C NMR spectral data of Sodium Tanshinone IIA Silate.
Fig. S5. Chromatogram of Sodium Tanshinone IIA Silate.

Part2

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