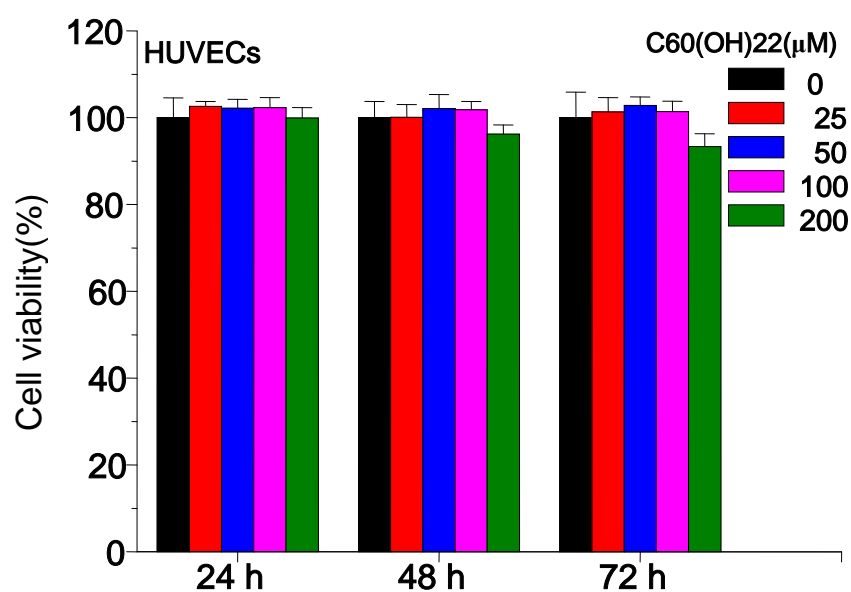
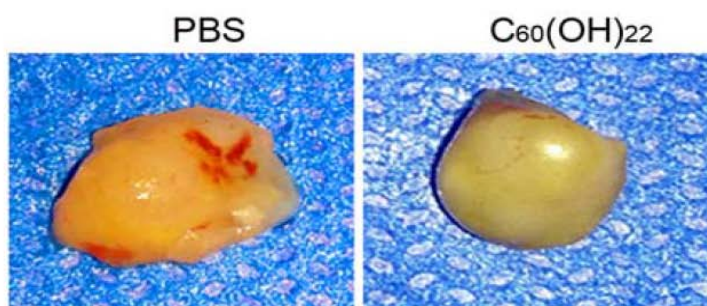


### Supplementary materials



**Figure S1.** Effects of  $C_{60}(OH)_{22}$  on HUVEC cell viability. Each experiment was repeated for three times.



**Figure S2.** General observation of intact matrigel plugs. Obvious blood capillaries are formed in PBS group compared to  $C_{60}(OH)_{22}$  group in the surface of matrigel plugs.