

Figure S1 In vitro proliferation of BEL-7402, HCC-LM3 and HUVECs with 10, 100 μM, 200, 500 and 1,000 μM morphine by cell counting Kit-8.

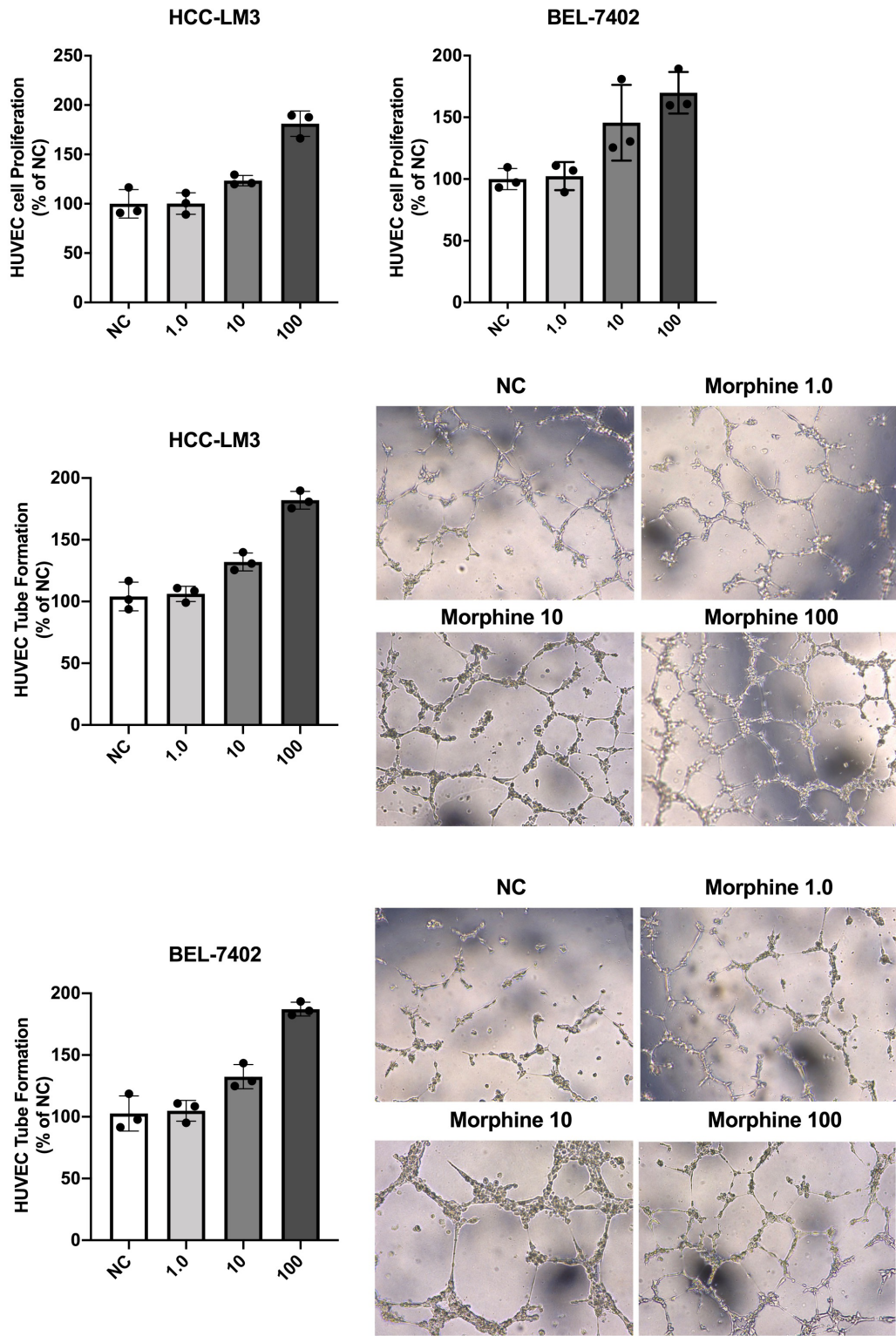


Figure S2 A dose-dependent effect of morphine on cell proliferation and angiogenesis. (A) Quantified results of the effects of CM from HCC cells treated with 1, 10 and 100 $\mu\text{mol/L}$ morphine on the proliferation of HUVEC cells. (B) Images and quantified results of the effects of CM from HCC cells treated with different dose morphine on the tube formation of HUVEC cells. The tube length were assessed by calculating 10 random fields at 200 \times magnification. * $P < 0.05$.

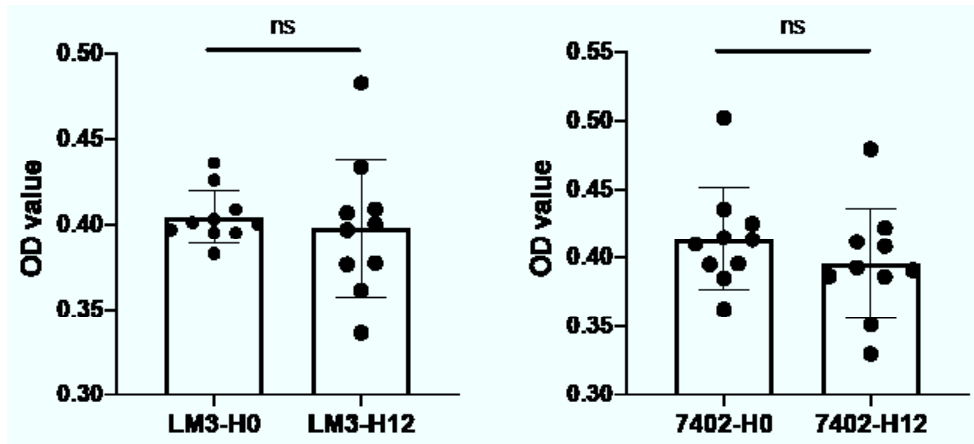


Figure S3 OD values of HCC cells between pre-morphine treated (H0) and post-morphine treated (H12).

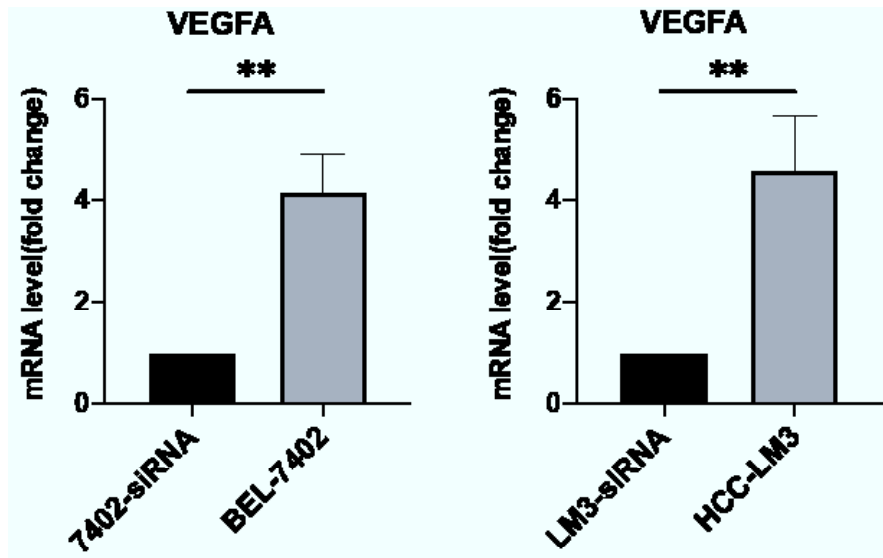


Figure S4 The expression level of VEGFA-mRNA after siRNA.