A cassaine diterpene alkaloid, 3β-acetyl-nor-erythrophlamide, suppresses VEGF-induced angiogenesis and tumor growth via inhibiting eNOS activation

SUPPLEMENTARY MATERIALS

Supplementary Figure 1: Nuclear staining using DAPI of HUVECs in the presence of 3-ANE. HUVECs were incubated with the indicated concentrations of 3-ANE for 48 h, and then fixed and then stained with DAPI.

Supplementary Figure 2: 3-ANE inhibits VEGF-induced proliferation of HUVECs. HUVECs were incubated with the indicated concentrations of 3-ANE for 24 h with or without VEGF (40 ng/ml), and cell proliferation was determined by MTT assay.
Supplementary Figure 3: Effect of 3-ANE and geldanamycin on the expression of some HSP90 client proteins in HUVECs. HUVECs were incubated with the indicated concentrations of 3-ANE for 24 h, and then whole cell lysates were blotted with the indicated antibodies.

Supplementary Figure 4: $^1$H NMR spectrum of 3-ANE in CD$_3$OD at 400 MHz.
Supplementary Figure 5: $^{13}$C NMR spectrum of 3-ANE in CD$_3$OD at 100 MHz.