Supplementary figure legends

Figure S1. Structures of drugs used in these studies.

Figure S2. Immunofluorescence microscopy of drug treated HUVEC. Cells grown on glass coverslips were incubated overnight without drug (A) or in the presence of 1 nM paclitaxel (B), 10 nM paclitaxel (C), 1 nM vinblastine (D), 10 nM vinblastine (E), or 100 nM vinblastine (F). The cells were then stained with an antibody to α-tubulin to label microtubules (green) and with DAPI to label nuclear DNA (red). The bar in panel A is 10 μm.

Movie 1. Migration of HUVEC. Cells moving into a scratch wound were photographed 1 min apart with a 40X phase objective. The movie consists of 180 photographs shown at 5 frames/s.

Movie 2. Migration of HUVEC in the presence of 1 nM paclitaxel. Cells moving into a scratch wound were photographed 1 min apart with a 40X phase objective. The movie consists of 180 photographs shown at 5 frames/s.

Movie 3. Migration of HUVEC in the presence of 100 nM vinblastine. Cells moving into a scratch wound were photographed 1 min apart with a 40X phase objective. The movie consists of 180 photographs shown at 5 frames/s.