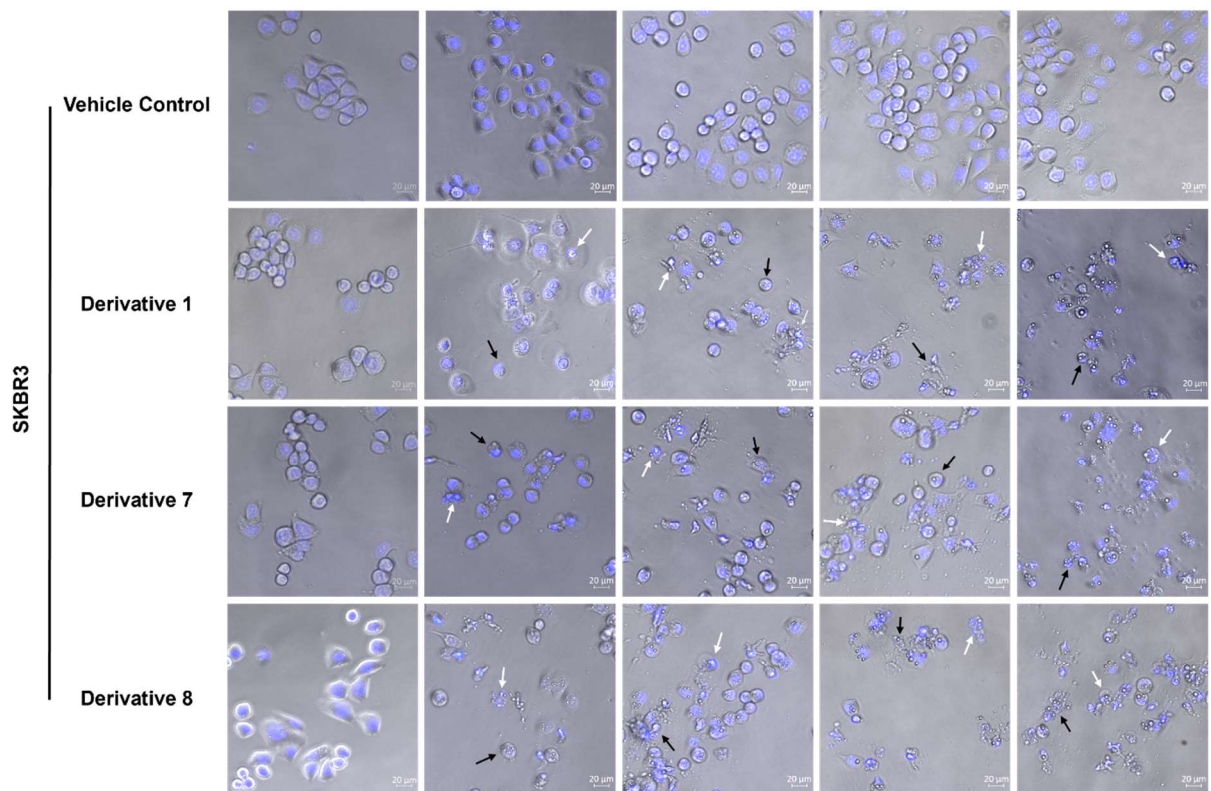
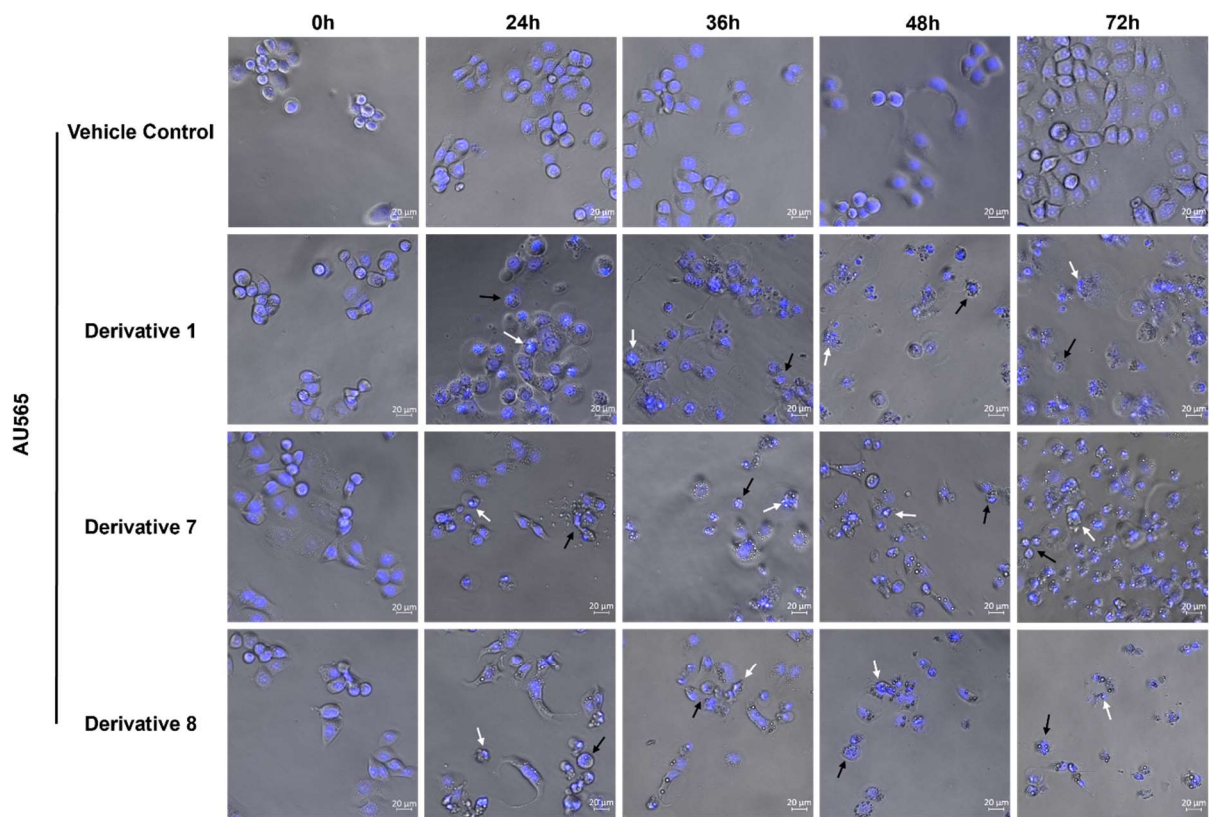




Supplementary Fig. 1. Qualitative morphological assessment of apoptosis in AU565 and SKBR3 cells by phase-contrast and Hoechst 33342 fluorescence microscopy. Representative merged images were acquired at 0, 24, 36, 48, and 72 hours following treatment with **D1**, **D7**, **D8**, or vehicle control. White arrows indicate condensed or fragmented nuclei, while black arrows indicate apoptotic body-like structures. Scale bar = 20 μm . Cells were seeded in 96-well plates at a density of 5,000 cells/well and treated with ibuprofen or nimesulide derivatives or vehicle control (DMSO, 1:1000). At 0, 24, 36, 48, and 72 h following treatment, Hoechst 33342 was added to a final concentration of 20 μM and cells were incubated at 37 °C for 15 min in the dark, under live-cell conditions. Images were captured using a ZEISS Axioscope 5 fluorescence microscope equipped with a DAPI filter set.