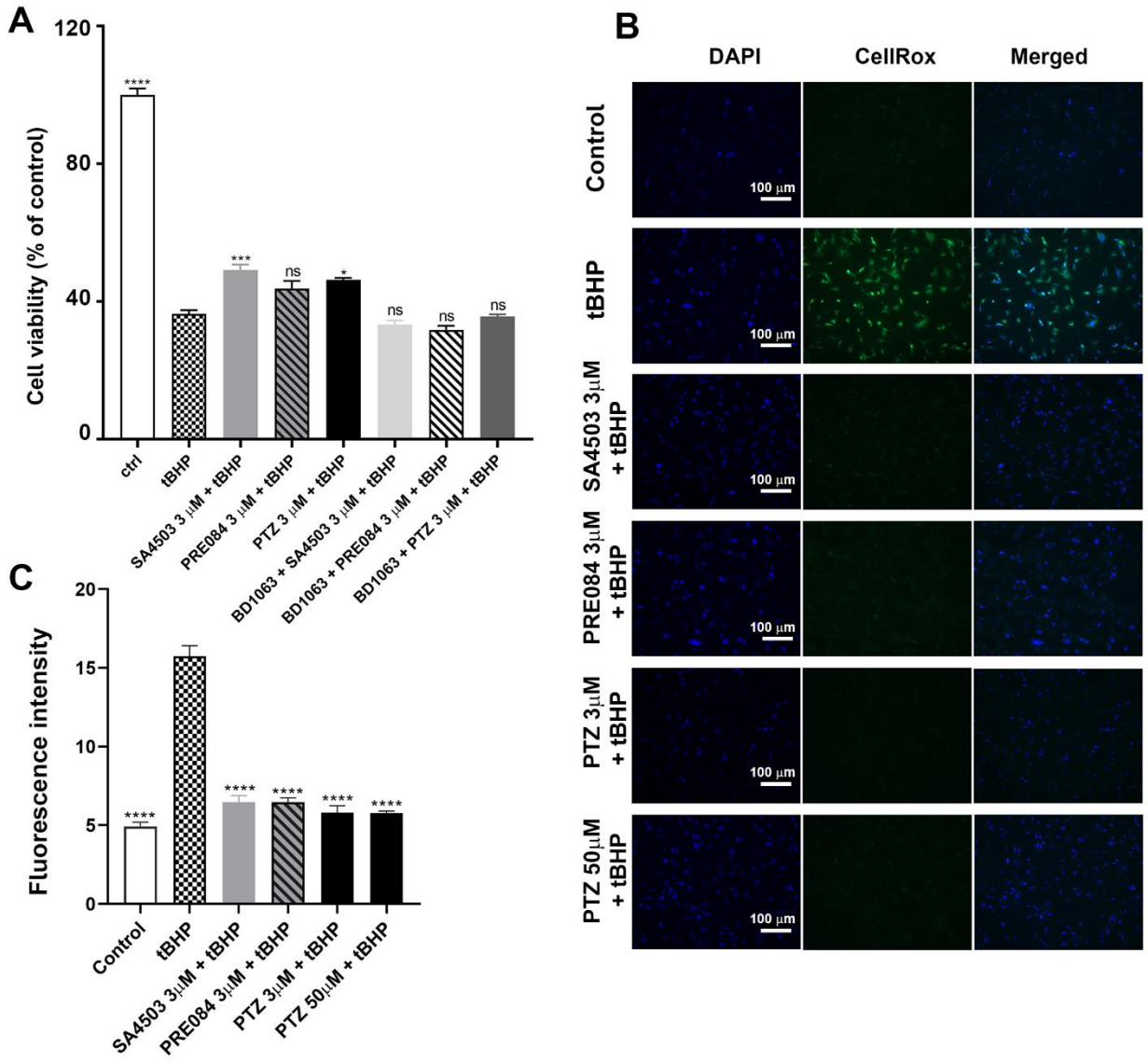

Supplemental Figure. 1. Evaluation of effects of a lower concentration of SA4503 and PRE084 in attenuating cell death and oxidative stress induced by tBHP in 661W cells. (A) 661W cells were exposed to tBHP [55 μM] to induce oxidative stress in the presence/absence of Sig1R ligands SA4503 [3μM], PRE084 [3 μM], or (+)-PTZ [3 μM] for 24h and in the presence of BD1063, a Sig1R antagonist. Cell viability was measured using the MTT assay. Three independent experiments were performed with 4 repetitions/assay. (B) 661W cells were seeded on coverslips for 18h afterwhich they were exposed 2h to tBHP [55μM] in the presence/absence of SA4503 [3μM], PRE084 [3 μM] or (+)-PTZ [3 μM, 50μM]. They were incubated with CellROX® Green Reagent to detect ROS; green fluorescent signals indicating ROS were visualized by epifluorescence. DAPI was used to label nuclei (blue). Calibration bars = 100μm. (C) Fluorescence intensity was quantified by ImageJ. The experiment was performed 3 times with two repetitions per assay. One-way ANOVA, significance for both experiments is indicated in reference to tBHP group: $*p < 0.05$, $**p < 0.01$, $***p < 0.001$, $****p < 0.0001$, ns= not significant.