Figure S1. Combinational effects of AZD4547 and BEZ235 in HPV+ UPCI-SCC-154 and HPV- UT-SCC-60A cells. Cell viability after single and combination treatments with AZD4547 and BEZ235 for 48 h, assessed with WST-1 analysis. CI was calculated according to the Highest Single Agent approach. A CI <1 indicates a positive combination effect and a CI >1 a negative effect. The dotted line represents the effect of the best single drug, thus a combinational effect below that line shows a positive combination effect (equivalent with CI <1). Significance was tested for HPV+ UPCI-SCC-154 cells between (A) the combination of AZD4547 (5 µM) and BEZ235 (0.5 µM), and the best single drug effect of AZD4547 (5 µM) or BEZ235 (0.5 µM); (B) the combination of AZD4547 (5 µM) and BEZ235 (1 µM), and the best single drug effect of AZD4547 (5 µM) or BEZ235 (1 µM); (C) the combination of AZD4547 (10 µM) and BEZ235 (0.25 µM) and the best single drug effect of AZD4547 (10 µM) or BEZ235 (0.25 µM); and (D) the combination of AZD4547 (10 µM) and BEZ235 (1 µM), and the best single drug effect of AZD4547 (10 µM) or BEZ235 (1 µM). Significance was tested for HPV- UT-SCC-60A cells between (E) the combination of AZD4547 (5 µM) and BEZ235 (0.5 µM), and the best single drug effect of AZD4547 (5 µM) or BEZ235 (0.5 µM); (F) the combination of AZD4547 (5 µM) and BEZ235 (1 µM), and the best single drug effect of AZD4547 (5 µM) or BEZ235 (1 µM); (G) the combination of AZD4547 (10 µM) and BEZ235 (0.25 µM) and the best single drug effect of AZD4547 (10 µM) or BEZ235 (0.25 µM); and (H) the combination of AZD4547 (10 µM) and BEZ235 (1 µM), and the best single drug effect of AZD4547 (10 µM) or BEZ235 (1 µM). Significance was assessed using Student’s t-test between the combination and the best single drug effect. *P<0.05 and ***P<0.001 vs. best single drug effect. The mean ± SD of three independent experiments is presented. CI, combination index; HPV, human papillomavirus.
Figure S2. Heatmap of CI from combination treatment with AZD4547 and BEZ235 in HPV+ UPCI-SCC-154 and HPV- UT-SCC-60A cells. CI from effects on viability were calculated according to the Highest Single Agent approach. A CI <1 denotes a positive combination effect, represented by green color, and a CI >1 a negative effect, represented by red color. Viability was evaluated using WST-1 assays at 24, 48 and 72 h, and each experiment was repeated three times. Significant differences between the best single drug effect and the combination effect are shown. *P<0.05, **P<0.01, ***P<0.001 vs. best single drug effect. CI, combination index; HPV, human papillomavirus; N.d., not defined; ns, not significant.