Supplementary Figure S1 Optimization of cell seeding density for resazurin-based viability assay in 384-wells platform

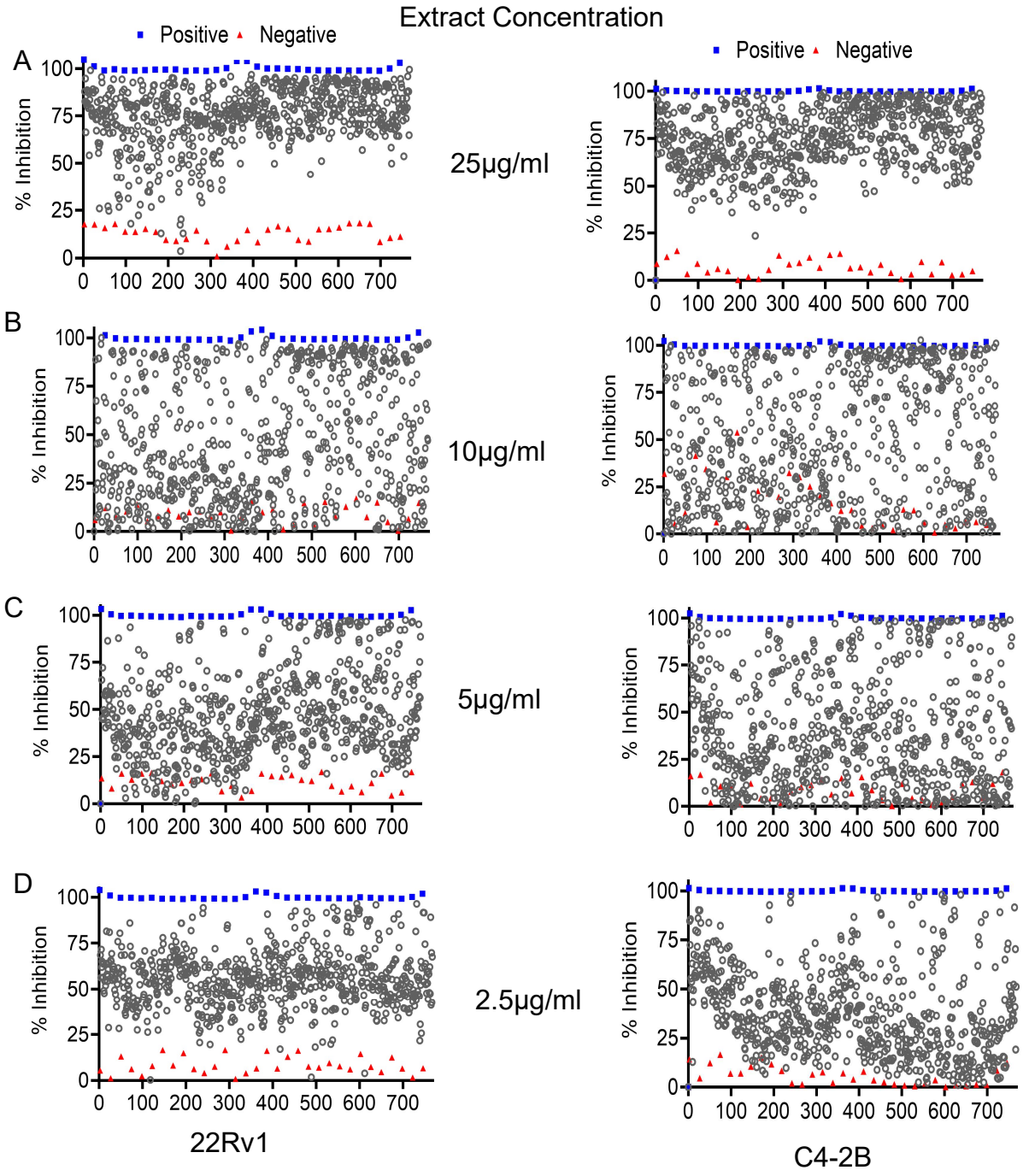
22Rv1 cell density (24h)

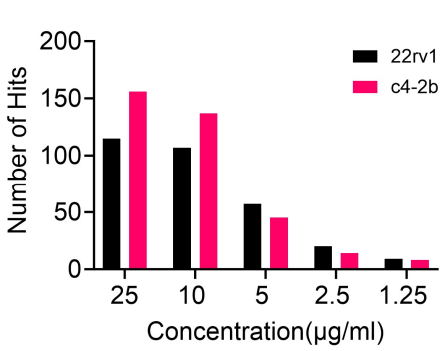
22Rv1 cell density (48h)



Supplementary Figure S1: *22RV1 cells were seeded across a gradient ranging from 500,000 to 0 cells/mL into the 384-well plate, incubated for 48 hours at 37°C with 5% CO_2 followed with DMSO treatment (1 µL/well) for 24 hours**(A)** and 48 hours**(B)**. Cell viability was assessed by adding a resazurin solution to each well, followed by incubation at 37°C for 16 hours. The fluorescence intensity was then measured at excitation/emission (Ex/Em) wavelengths of 560/590 nm. The change in color from green to red indicates a decrease in confluency; the optimal cell density is located at the transition zone. The top row (above the A1-24) indicates the number of cells/ml in the corresponding column.*

Supplementary Figure S2: Optimization of Ideal Extract Concentrations to Evaluate Cytotoxicity on CRPC Cells.





Suppl Figure S2: *(A–D) 22RV1 and C4-2B cells were treated with natural product extracts at specified concentrations (10 µg/mL, 5 µg/mL, 2.5 µg/mL, and 1.25 µg/mL), and cell viability was measured using an optimized resazurin protocol. The results were calculated and expressed as % Inhibition. In the analysis, blue indicates the positive control (WA at 15μM), while red represents the negative control (1% DMSO). Additionally, a graphical representation (I) illustrates the number of hits at different extract concentrations.*