

S6: IC50 Calculation

For IC50 calculation, we first calculated the percentage of cell viability (V) using the formula below:

$$V_x (\%) = \frac{A_{590-690}^x}{A_{590-690}^{\overline{cx}}} \times 100$$

Where V_x is the cell viability at given concentration, A is the absorbance, $A_{590-690}^x$ is $A_{590} - A_{690}$ for a given concentration x , and $A_{590-690}^{\overline{cx}}$ is average of $A_{590} - A_{690}$ for a given concentration x of the vehicle in the control group.

After calculating cell viability for each concentration, $\log_{10}$ transformation was applied to the concentrations using GraphPad Prism (v8.4.3 for Windows, GraphPad Software, San Diego, California USA, www.graphpad.com). Cell viability percentages were normalized with the same application and a log(inhibitor) vs. normalized response (variable slope) nonlinear curve fit was performed [log(inhibitor) vs. normalized response - variable slope nonlinear regression curve fit performed in GraphPad Prism v8.4.3 for Windows, GraphPad Software, San Diego, California USA, www.graphpad.com]. The IC50 for each drug-cell line was determined from their respective nonlinear curve fit by GraphPad Prism.