

Supplementary Materials: Polymer Microparticles Prolong Delivery of the 15-PGDH Inhibitor SW033291

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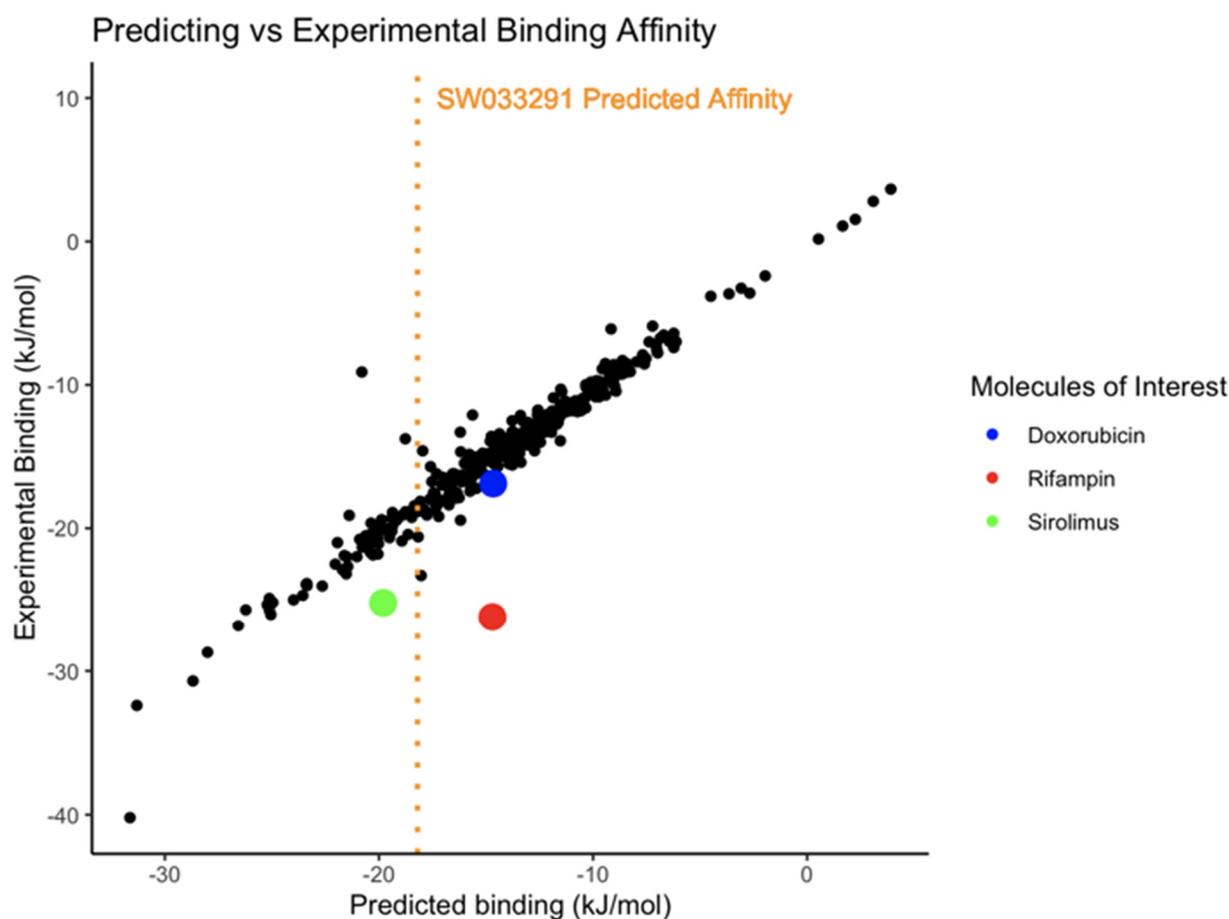


Figure S1. Affinity prediction machine learning model with training set (black) and highlighted drugs (“molecules of interest”) that were previously compatible with β -CD platforms. The dotted orange line is representative of SW033291’s predicted affinity to β -CD based on chemical descriptors. All chemical descriptor information for both host and ligand was sourced from PubChem.

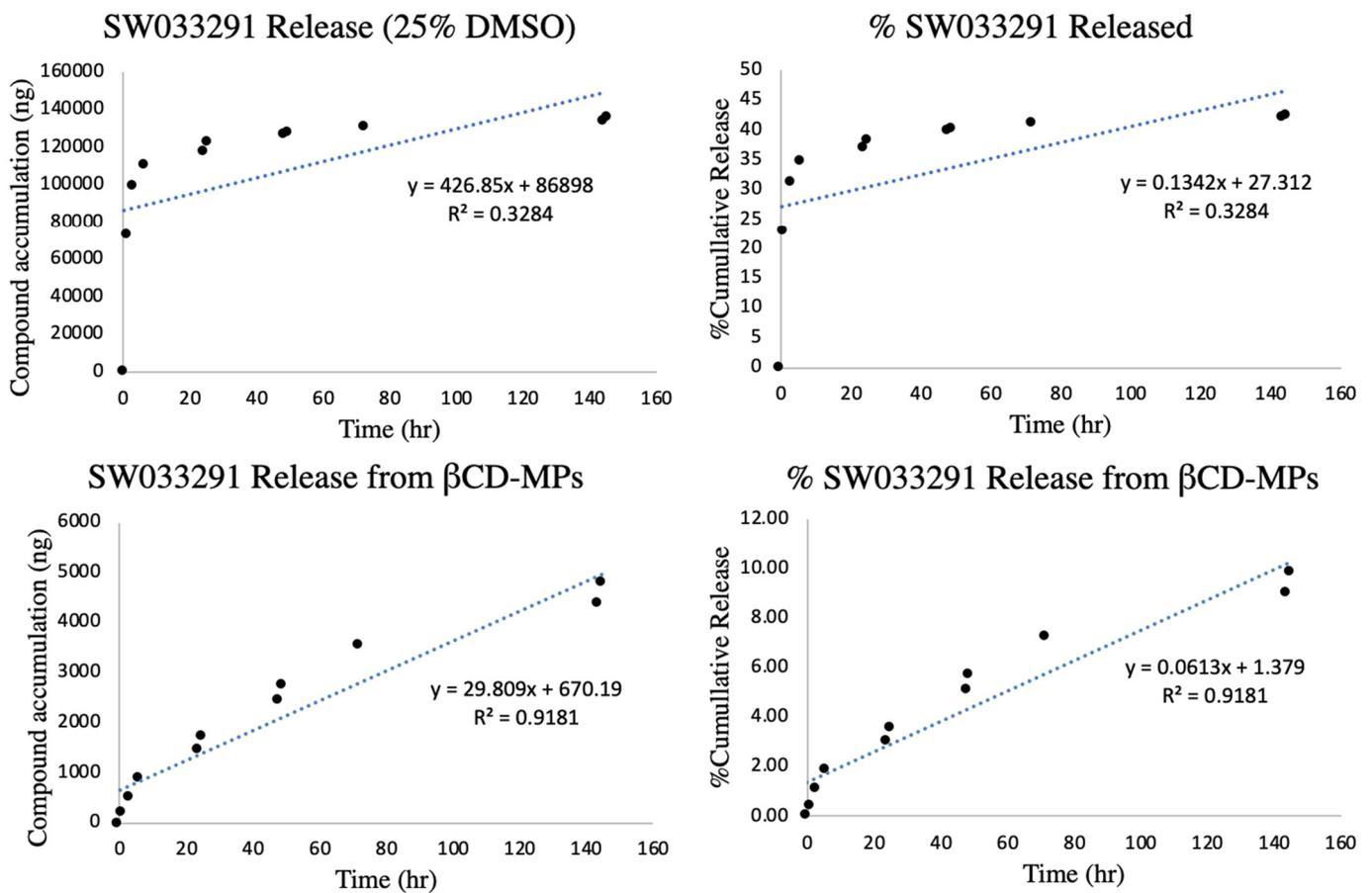


Figure S2. Drug release kinetics (n=1) sampled from top transwell plates for both bolus-administered SW033291 and β -CD MPs loaded with SW033291 (incubated for 24 h). Trend lines represent a best linear fit, and trends with R^2 values closer to 1 were considered “zero-order”.