

Supplementary information:

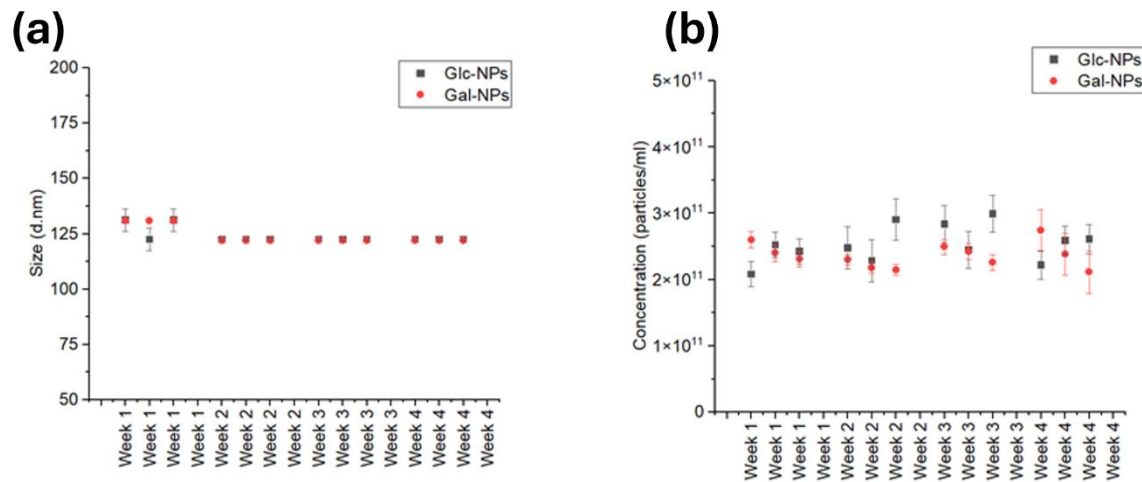


Figure S1: Particle size (a) and concentration (b) measured in water by DLS over a period of 4 weeks for Glc-NPs (black) and Gal-NPs (red).

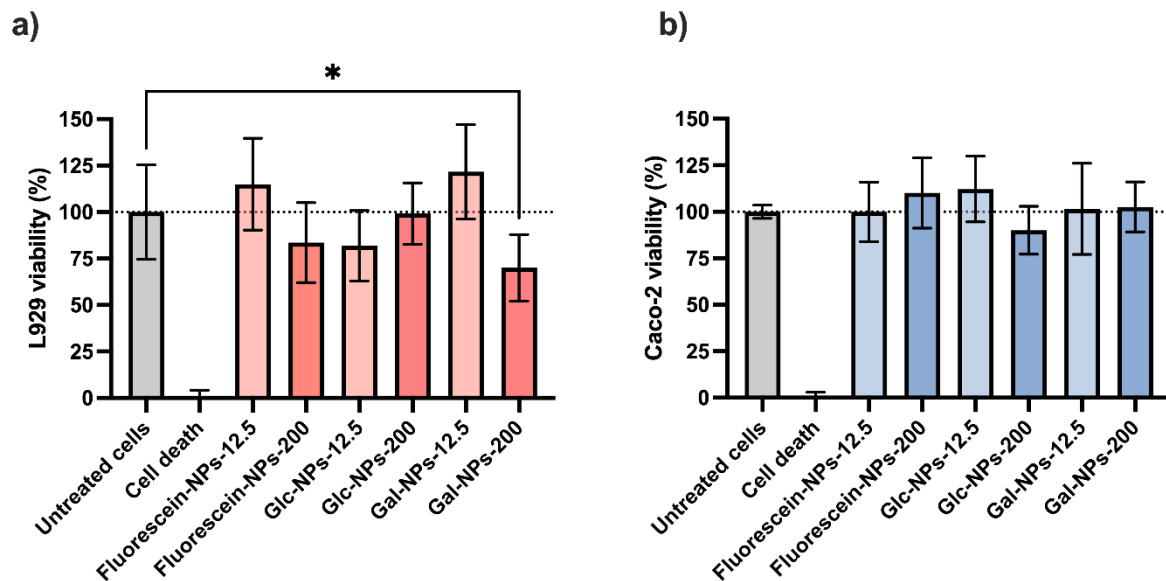


Figure S2: Cell viability of L929 (a) and Caco-2 (b) cells following 24 h incubation with fluorescein, glucose (Glc) and galactose (Gal)-functionalised SiO₂NP at concentrations of 12.5 and 200 µg/mL. Data are shown as mean ± SD (N = 3, n = 3). Significant difference (One-way ANOVA followed by Dunnett's multiple comparison test) is denoted by an asterisk (**p* ≤ 0.05).