

Supplementary Material

Absence of microorganism contamination in the S. muticum fractions

An aliquot of the samples was seeded in LB agar LENNOX (Condalab, Spain) plates and incubated at 37 °C for 24 – 72 hours to observe any potential bacterial or fungal growth. As negative and positive controls, an aliquot of endotoxin-free and contaminated water, respectively, were used.

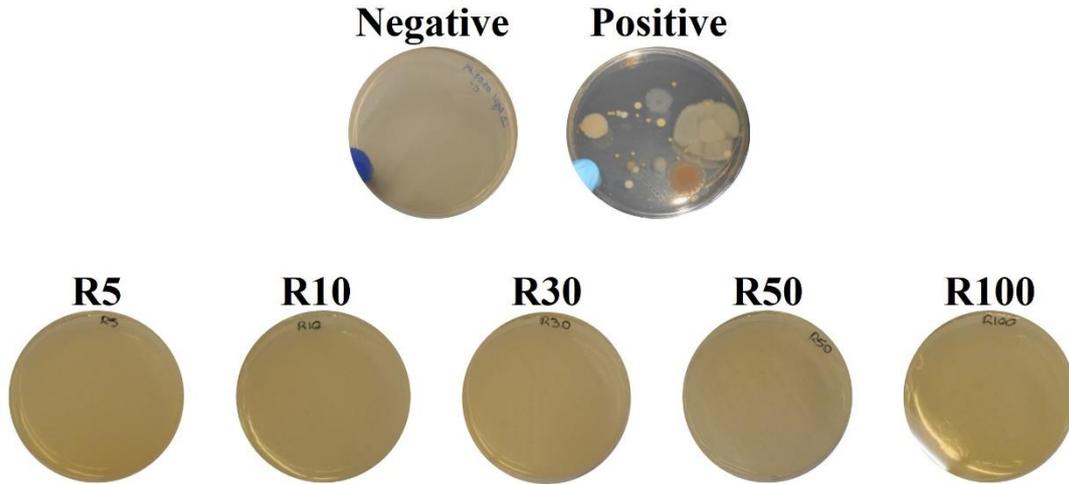


Figure S1. Characterization of the potential bacterial growth in LB agar plates of an aliquot of R100 (>100 kDa), R50 (50-100 kDa), R30 (30-50 kDa), R10 (10-30 kDa), R5 (5-10 kDa). The plates show the absence of colonies after 72 hours of incubation with the fractions and the negative control, while in the positive control several colonies are clearly observed.

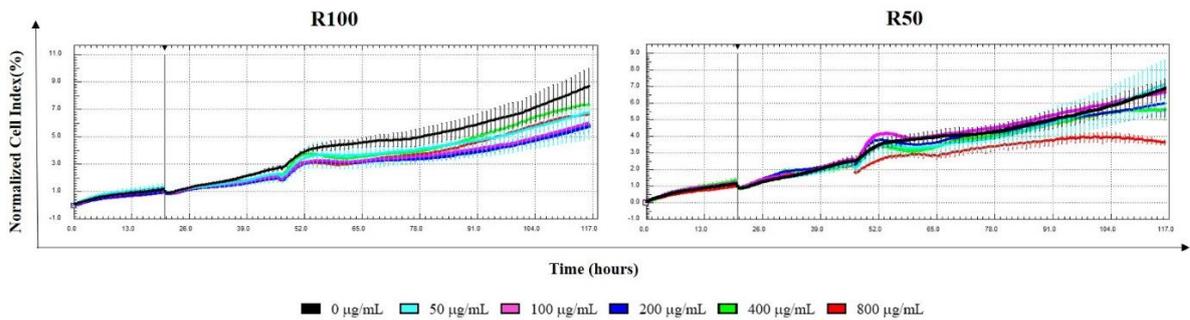


Figure S2. Kinetics of the normalized cell index of MCF-7 cells after incubation with different concentrations of R50 and R100. The vertical black line represents the time where the extracts were added to the cells.

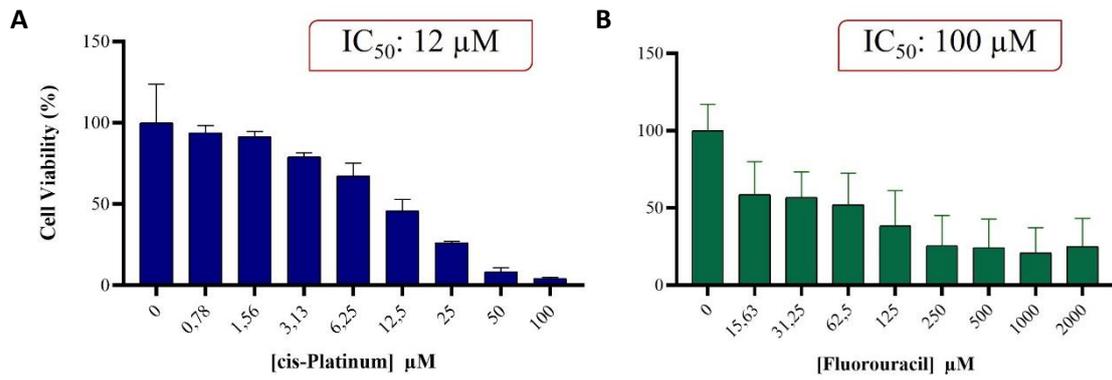


Figure S3. Percentage of cell viability of MCF-7 cells after 72 hours of incubation with different concentrations of **A**) cis-Platinum (cis-Pt) and **B**) 5-fluorouracil (5-FU). The IC_{50} was calculated for both compounds and is shown in the graphics.