

Supplementary Materials

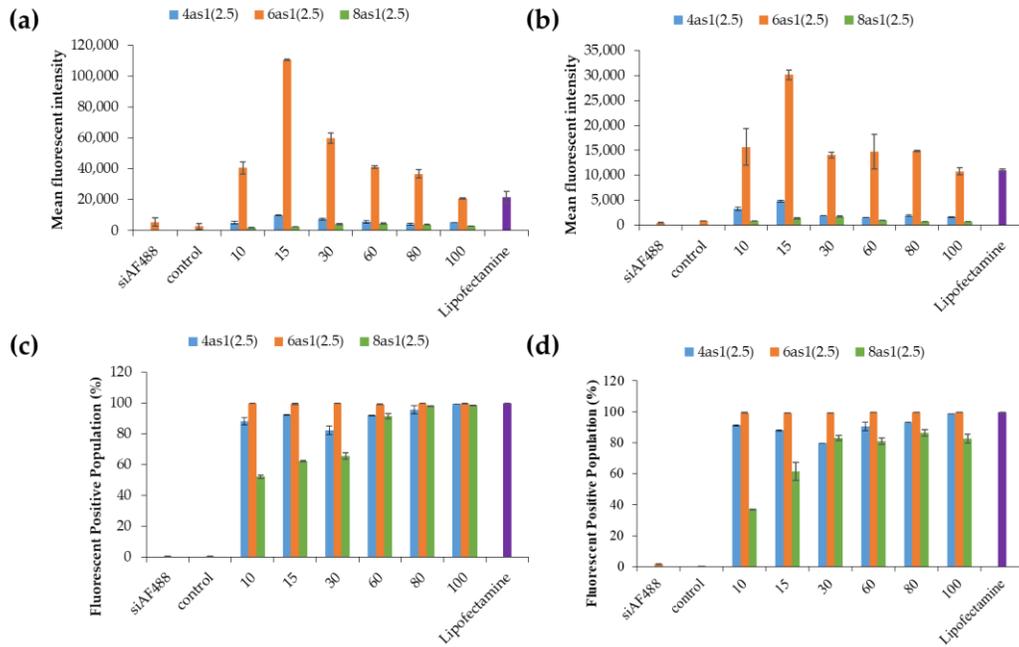


Figure S1: Cellular uptake of 4as1, 6as1, and 8as1 nioplexes at different niosome/siRNA weight ratios for 24 hr analyzed by flow cytometer in (a) mean fluorescent intensity in BT474 cells, (b) mean fluorescent intensity in MCF-7 cells, (c) fluorescent positive population in BT474 cells and (d) fluorescent positive population in MCF-7 cells.

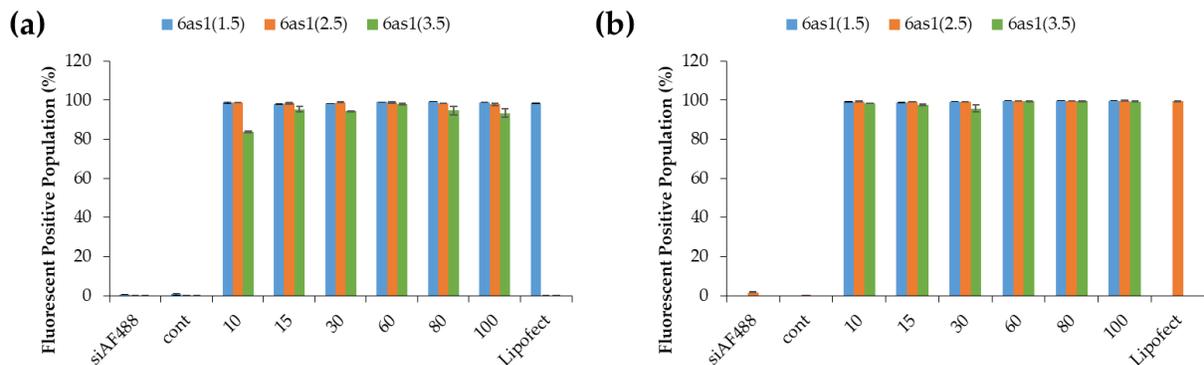


Figure S2: Fluorescent positive population after transfecting cells with 6as1 nioplexes at different niosome/siRNA weight ratios analyzed by flow cytometer (a) BT474 cells and (b) MCF-7 cells.

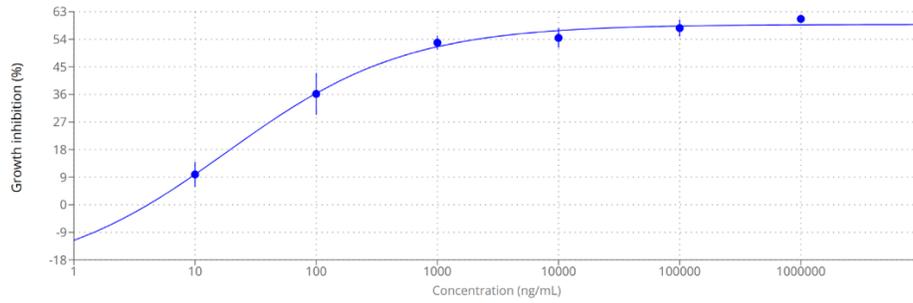


Figure S3: Dose response curve of trastuzumab in BT474 cells.

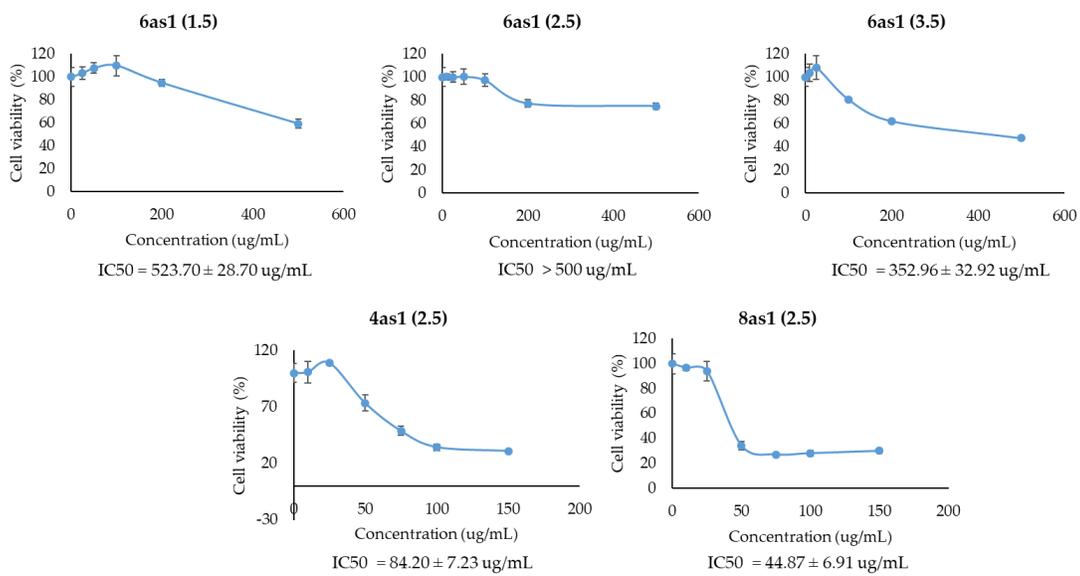


Figure S4: Cytotoxicity and IC50 values of cationic niosomes with different cationic lipids in BT474 cells after 72 hr of the treatment, analyzed by MTT assay.

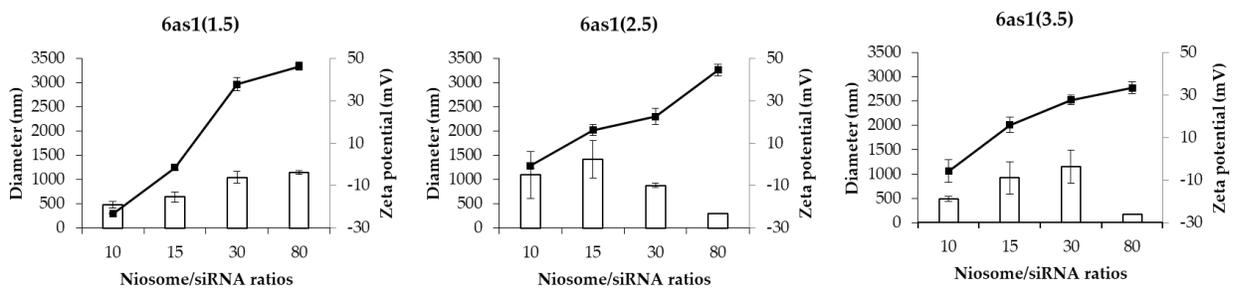


Figure S5: Hydrodynamic size and zeta potential of siRNA nioplexes prepared from 6as1(1.5), 6as1(2.5) and 6as1(3.5) niosomes analyzed by Zetasizer Nano ZX.