

Supplementary information

Dual radiosensitization and anti-STAT3 anti-proliferative strategy based on delivery of gold nanoparticle - oligonucleotide nanoconstructs to head and neck cancer cells.

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Table S1. Sequences of aptamers and decoy ODNs used in the study

Name	Sequence	Notes
NUAP	5'-amino-C6-GGT GGT GGT GGT TGT GGT GGT GGT GGT TTT TT-C6-SSR-3'	conjugated with Cy5.5 or Alexa Fluor 488, 5'-end
CTAP	5'-amino-C6-CCT CCT CCT CCT TCT CCT CCT CCT CCT TTT TT-C6-SSR-3'	conjugated with Cy5.5 or Alexa Fluor 488, 5'-end
STAT-SE	5'-amino-C6-C*A*T* TTC CCG TAA ATC TTT-C6-SSR-3'	conjugated with Alexa Fluor 568, 5'-end
STAT-AN	5'-G*A*T* TTA CGG GAA* A*T*G-C7-amino-3'	conjugated with MAG3 for radiolabeling, 3'-end
COTR-SE	5'-amino-C6-C*A*T* TTC CCT TAA ATC TTT-C6-SSR-3'	conjugated with Alexa Fluor 568, 5'-end
COTR-AN	5'-G*A*T* TTA AGG GAA* A*T*G-C7-amino-3'	conjugated with MAG3 for radiolabeling, 3'-end

*- phosphorothioate bond