

Small Molecule Targeting of a MicroRNA Associated with Hepatocellular
Carcinoma in Cellulo

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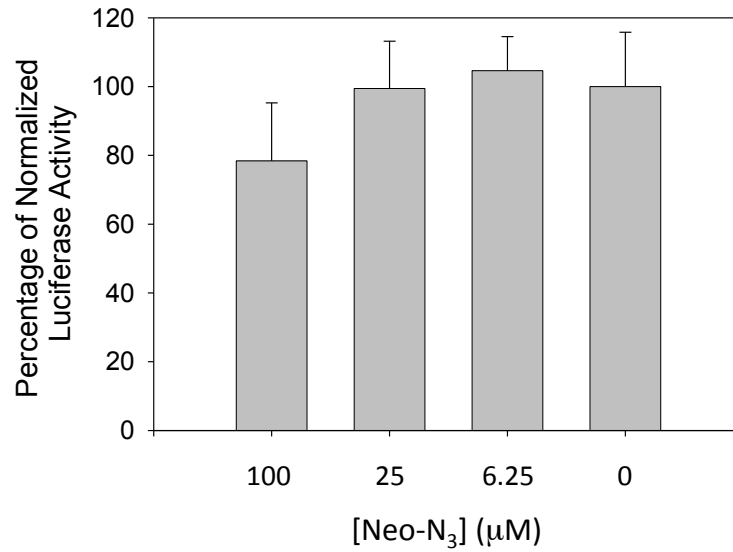
Key words: Chemical Biology, Precision Medicine, RNA, Nucleic Acids, Medicinal
Chemistry

SUPPLEMENTARY TABLES AND FIGURES

Supplementary Table 1: qRT-PCR primers used to amplify pri-, pre, and mature miR-525 and optimized thermocycling conditions

RNA	Forward Primer	Reverse Primer	Cycling Conditions
pri-miR-525	5'-GGGGTTTATGTTCTGGAT TCCAG	5'-CAGAAACCCACCATCATCCAAGTC	95 °C for 15 s, 52.3 °C for 30 s, 72 °C for 1 min
pre-miR-525	5'-CTCTCCAGAGGGATGCACTTTCTC	5'- CTCTAAAGGGAAGCGCCTTCTTT	95 °C for 15 s, 62.8 °C for 30 s, 72 °C for 1 min
mature miR-525-5p	5'-CTCCAGAGGGATGCACTTTCT	5'- GAATCGAGCACCAGTTACGC (universal reverse)	95 °C for 15 s, 65.5 °C for 30 s, 72 °C for 1 min
U6	5'- ACACGCAAATTCGTGAAGCGTTC	5'- GAATCGAGCACCAGTTACGC (universal reverse)	95 °C for 15 s, 60 °C for 1 min

Supplementary Table 2: Primers used for miRNAs in profiling studies and housekeeping genes used for normalization.	
hsa-miR-214	ACAGCAGGCACAGACAGGCAGT
hsa-miR-194	TGTAACAGCAACTCCATGTGGA
hsa-miR-196a	TAGGTAGTTTCATGTTGTTGGG
hsa-miR-196b	TAGGTAGTTTCCTGTTGTTGGG
hsa-miR-24	TGGCTCAGTTCAGCAGGAACAG
hsa-miR-187	TCGTGTCTTGTGTTGCAGCCGG
hsa-miR-185	TGGAGAGAAAGGCAGTTCCTGA
hsa-miR-132	TAACAGTCTACAGCCATGGTCG
hsa-miR-186	CAAAGAATTCTCCTTTTGGGCT
hsa-miR-23b	ATCACATTGCCAGGGATTACC
hsa-miR-23a	ATCACATTGCCAGGGATTTCC
hsa-miR-449a	TGGCAGTGTATTGTTAGCTGGT
hsa-miR-34a	TGGCAGTGTCTTAGCTGGTTGT
hsa-miR-34c-5p	AGGCAGTGTAGTTAGCTGATTGC
hsa-miR-27a	TTCACAGTGGCTAAGTTCCGC
hsa-miR-129-5p	CTTTTTGCGGTCTGGGCTTGC
hsa-miR-27b	TTCACAGTGGCTAAGTTCTGC
hsa-miR-7	TGGAAGACTAGTGATTTTGTGTTGT
hsa-miR-326	TGGGCCCTTCCTCCAGAA
SNORD48	CCCCAGGTAACTCTTGAGTGT
SNORD47	TAATGATATCACTGTAAAACC
SNORD44	ATGCTGACTGAACATGAAGGTC
RNT6-2	ACACGCAAATTCGTGAAGCGTTC



Supplementary Figure 1: Neo-N₃ does not cause significant global changes in protein expression as measured by a luciferase reporter at concentrations that affect miR-525 biogenesis (25 µM). These results indicate that the ribosome is not a significant off-target.