Article

Combined treatment of cancer cells using allyl palladium complexes bearing purine-based NHC ligands and molecules targeting microRNAs miR-221-3p and miR-222-3p: synergistic effects on apoptosis

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SUPPLEMENTARY MATERIALS
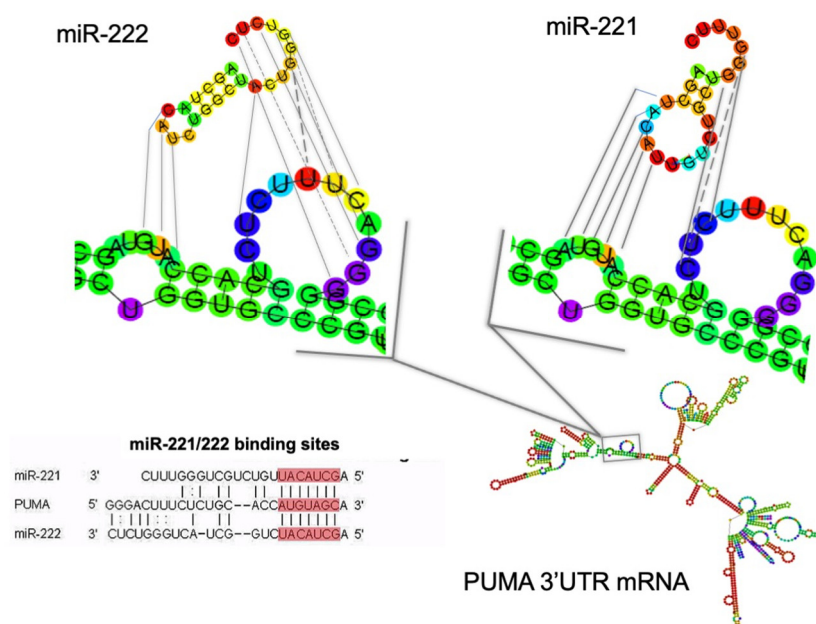
Supplementary Figures

Figure S1 - Structures of miR-221, miR-222 and the 3′-UTR sequence of human PUMA mRNA, showing the interactions between miR-221/miR-222 miRNAs and the PUMA 3′-UTR mRNA. In the lower panel, the base-pairing between miR-221, miR-222 and the miR-221/222 PUMA binding site is shown.
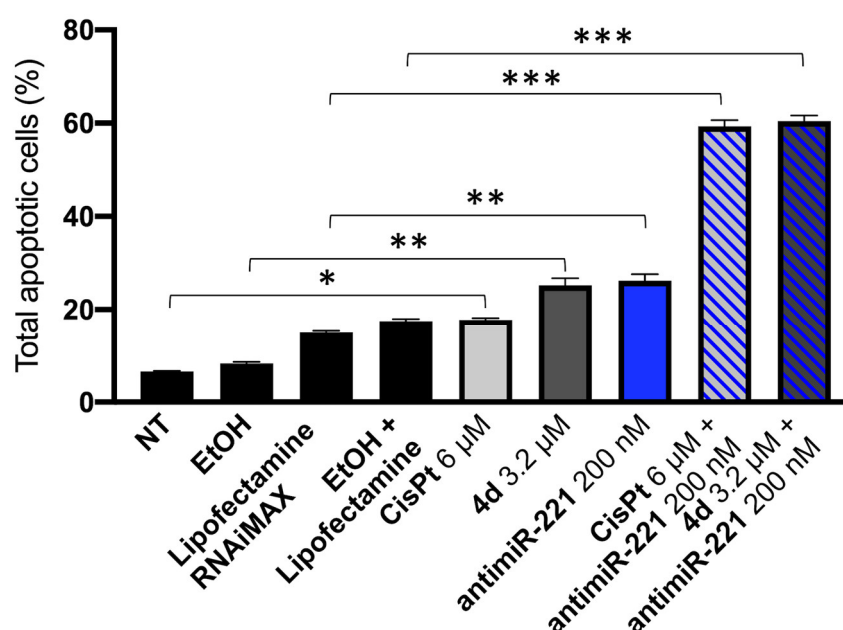

Figure S2. Total apoptotic cells percentage obtained from annexin-v staining after treatment of HT-29 cell line with CisPt and compound 4d in combination with antimir-221. Complete data set obtained from three different experiments, including each vehicle employed and showing comparisons evaluated for statistical analysis (ANOVA). $p < 0.05$ (*, significant), $p < 0.01$ (**; highly significant), $p < 0.001$ (***; highly significant).
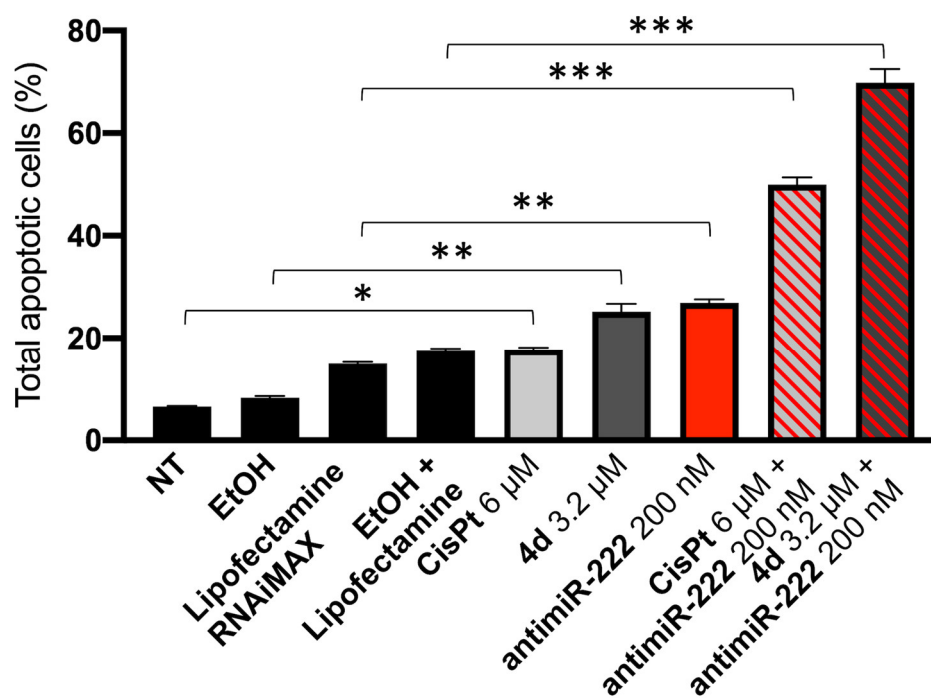
Figure S3. Total apoptotic cells percentage obtained from annexin-v staining after treatment of HT-29 cell line with CisPt and compound 4d in combination with antimir-222. Complete data set obtained from three different experiments, including each vehicle employed and showing comparisons evaluated for statistical analysis (ANOVA). $p < 0.05$ (*, significant), $p < 0.01$ (**; highly significant), $p < 0.001$ (***; highly significant).
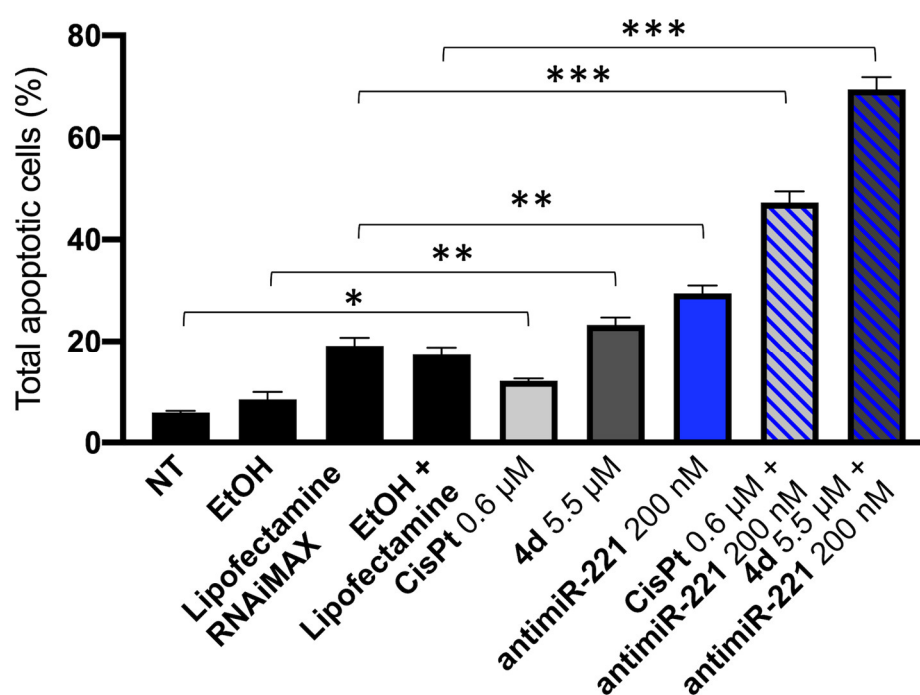

Figure S4. Total apoptotic cells percentage obtained from annexin-v staining after treatment of U251 cell line with CisPt and compound 4d in combination with antimir-221. Complete data set obtained from three different experiments, including each vehicle

employed and showing comparisons evaluated for statistical analysis (ANOVA). p < 0.05 (*, significant), p < 0.01 (**; highly significant), p < 0.001 (***; highly significant).
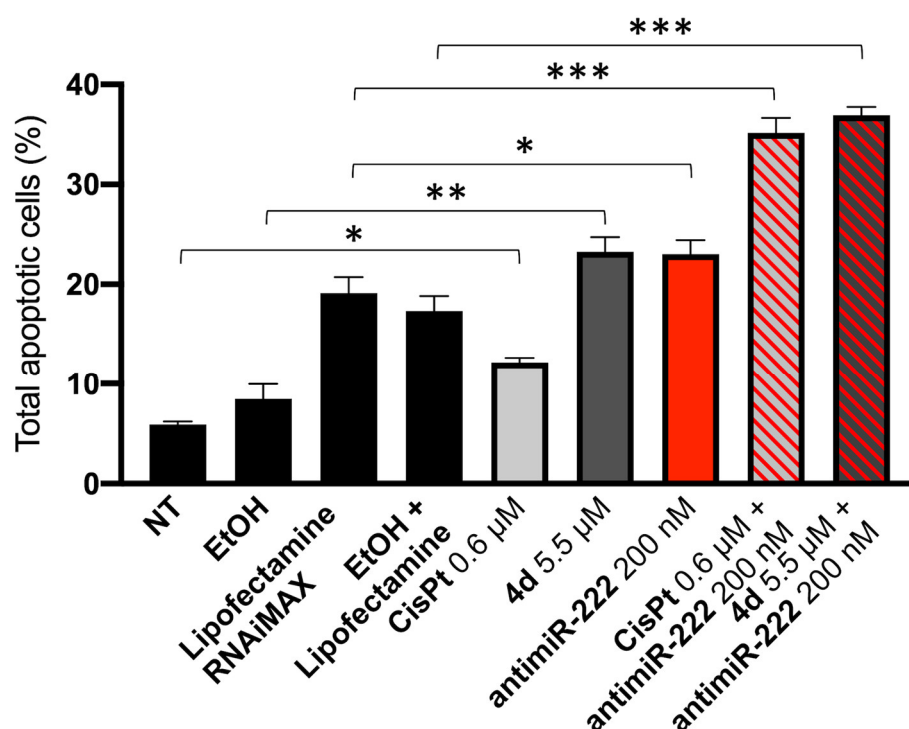

Figure S5. Total apoptotic cells percentage obtained from annexin-v staining after treatment of U251 cell line with CisPt and compound 4d in combination with antimir-222. Complete data set obtained from three different experiments, including each vehicle employed and showing comparisons evaluated for statistical analysis (ANOVA). p < 0.05 (*, significant), p < 0.01 (**; highly significant), p < 0.001 (***; highly significant).
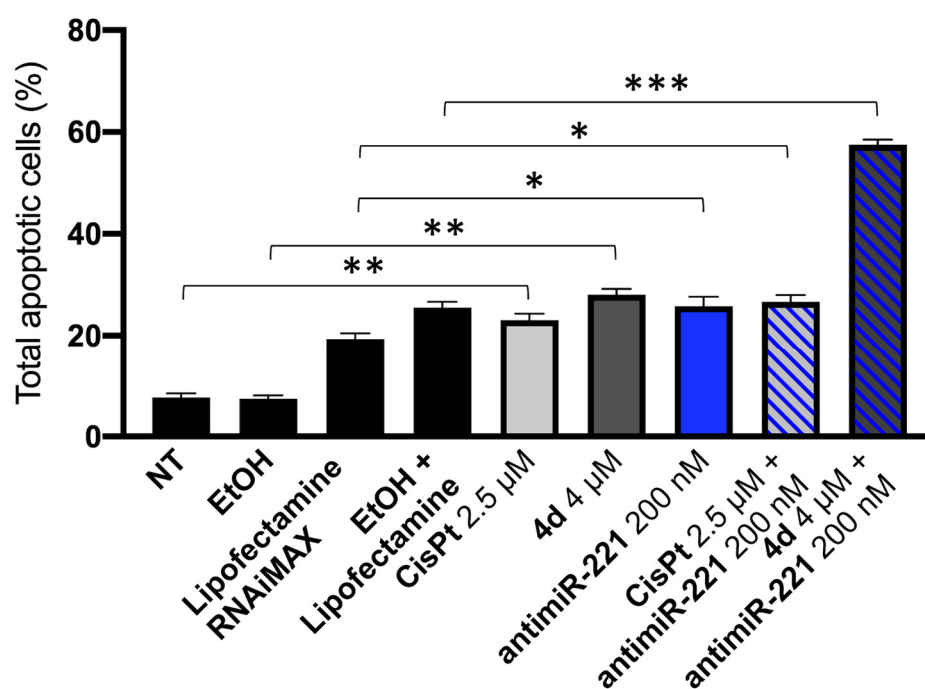
Figure S6. Total apoptotic cells percentage obtained from annexin-v staining after treatment of T98G cell line with CisPt and compound 4d in combination with antimir-221. Complete data set obtained from three different experiments, including each vehicle employed and showing comparisons evaluated for statistical analysis (ANOVA). $p < 0.05$ (*, significant), $p < 0.01$ (**; highly significant), $p < 0.001$ (***; highly significant).
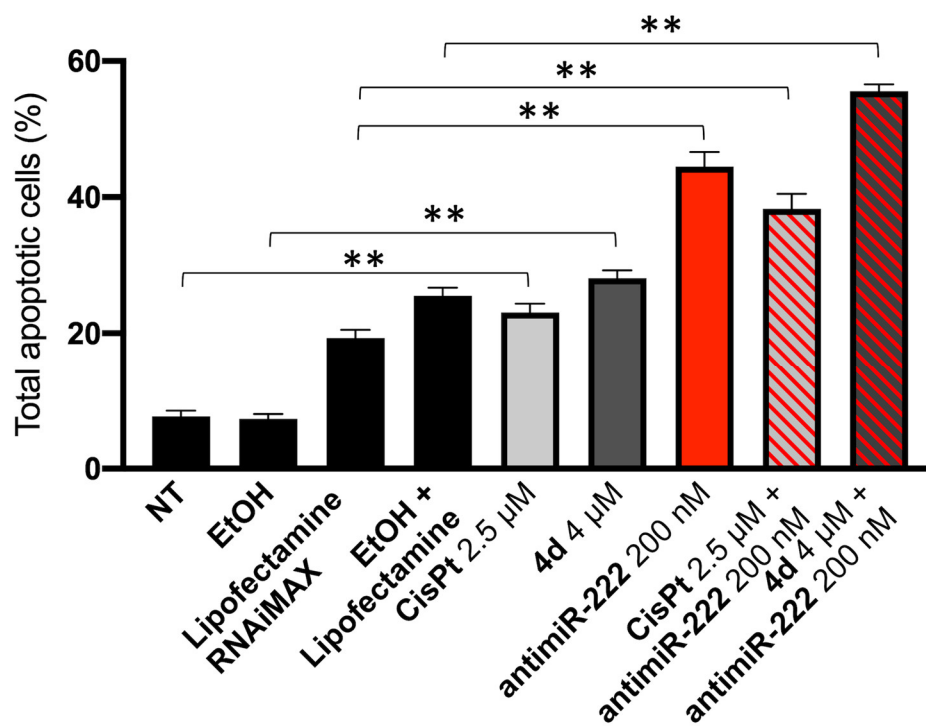

Figure S7. Total apoptotic cells percentage obtained from annexin-v staining after treatment of T98G cell line with CisPt and compound 4d in combination with antimir-222. Complete data set obtained from three different experiments, including each vehicle employed and showing comparisons evaluated for statistical analysis (ANOVA). $p < 0.01$ (**; highly significant).