

Cu(II) phenanthroline-phenazine complexes dysregulate mitochondrial function and stimulate apoptosis

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Supplementary document contents:

Immunodetection of γ H2AX foci in MCF-7 and SKOV-3 cells

Confocal microscopy of γ H2AX foci in MCF-7 and SKOV-3 cells

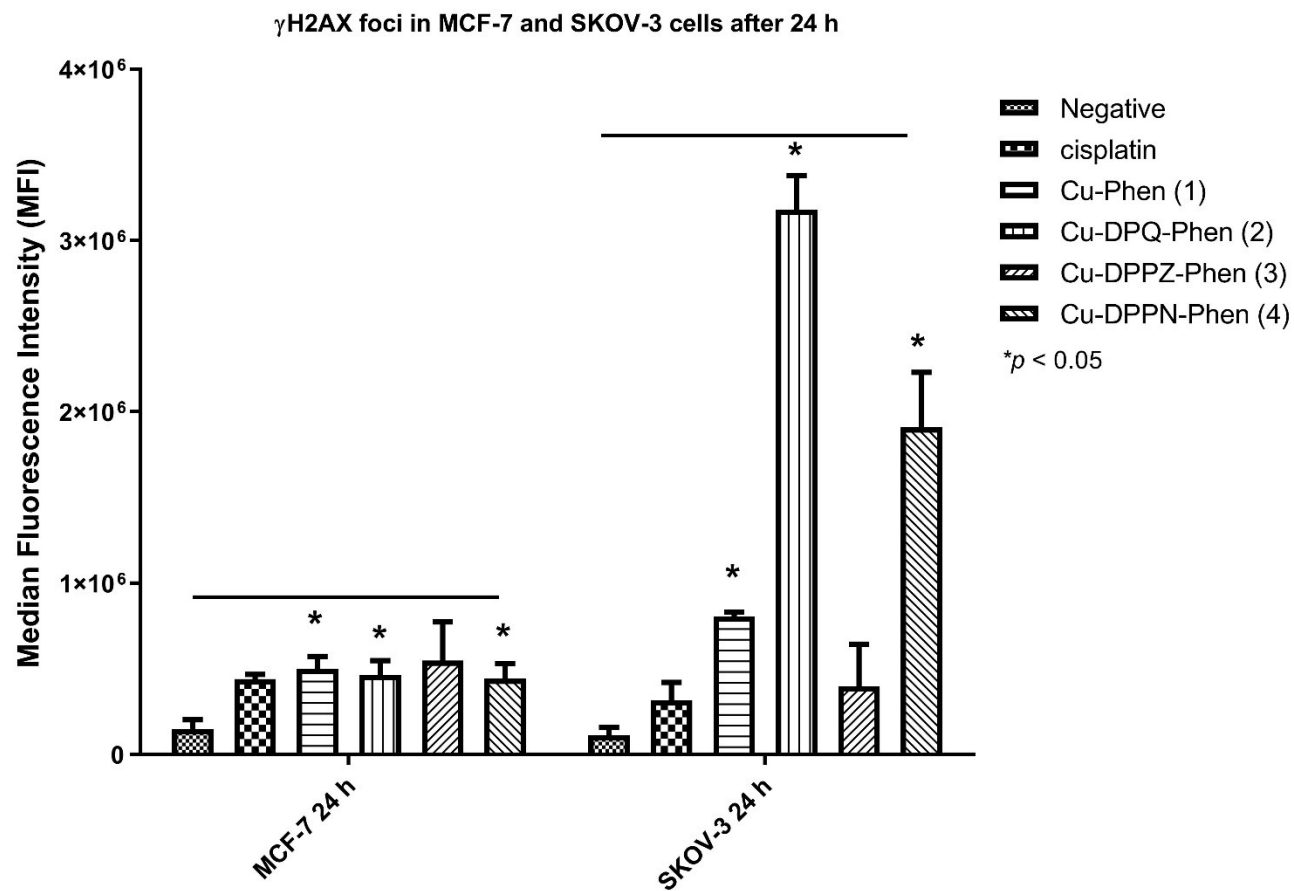
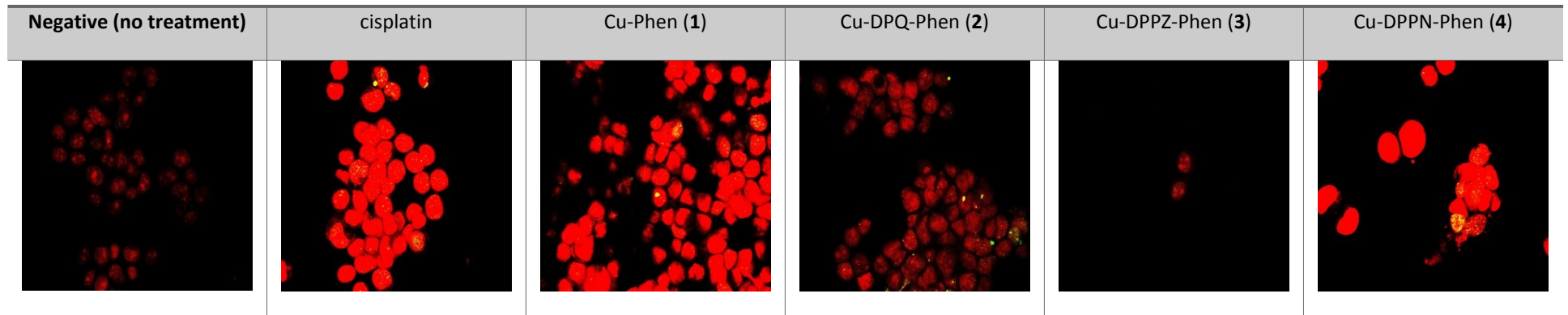


Fig. S1 Immunodetection of γ H2AX foci (MFI) in MCF-7 and SKOV-3 cells after 24 h treatment with cisplatin and the Cu(II) complexes. Statistical significance between the negative control and the Cu(II) complexes was determined using one-way ANOVA with Bonferroni Correction.

MCF-7 (cisplatin sensitive)



SKOV-3 (cisplatin resistant)

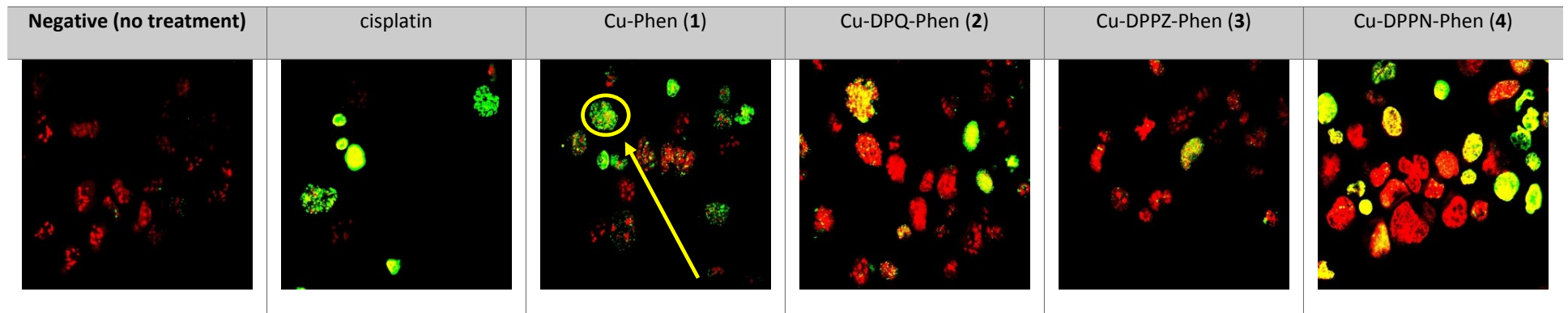


Fig. S2 MCF-7 and SKOV-3 confocal microscopy of γ H2AX foci (yellow circle and arrow denotes foci formation) using FITC secondary label and counterstained with propidium iodide. Red staining indicates nuclear material with green foci representing double stranded DNA break formation (γ H2AX).