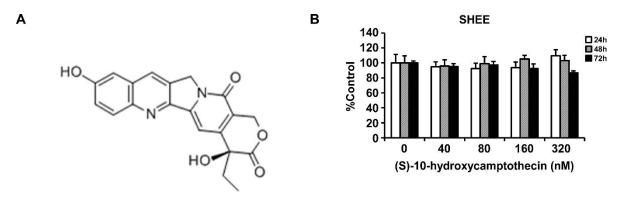
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Supplementary Materials: (S)-10-Hydroxycamptothecin Inhibits Esophageal Squamous Cell Carcinoma Growth In Vitro and In Vivo Via Decreasing Topoisomerase I Enzyme Activity

Mengqiu Song, Shuying Yin, Ran Zhao, Kangdong Liu, Joydeb Kumar Kundu, Jung-Hyun Shim, Mee-Hyun Lee and Zigang Dong



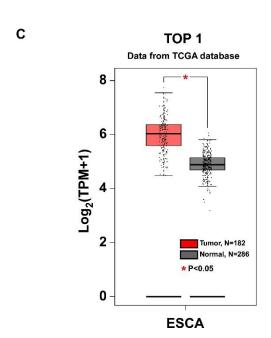


Figure S1. (A). The chemical structure of HCPT; **(B)**. Cytotoxicity of HCPT on normal esophageal epithelial cell SHEE. **(C)**. TOP I gene showed significantly enrichment and amplified in mRNA level in esophageal patient tissues compared to normal tissues in the TCGA data base.

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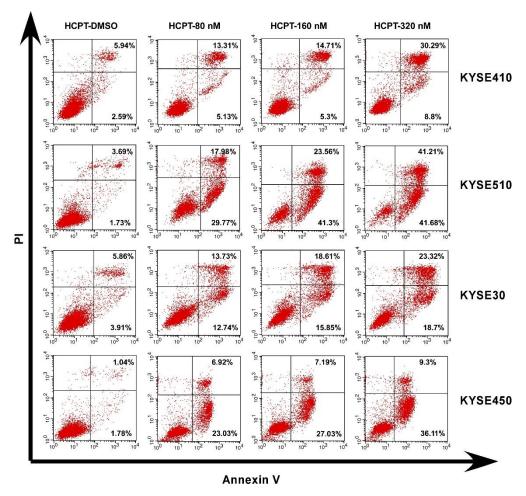


Figure S2. Annexin V and propidium iodide double staining method was used to detect apoptotic cells by flow cytometry.

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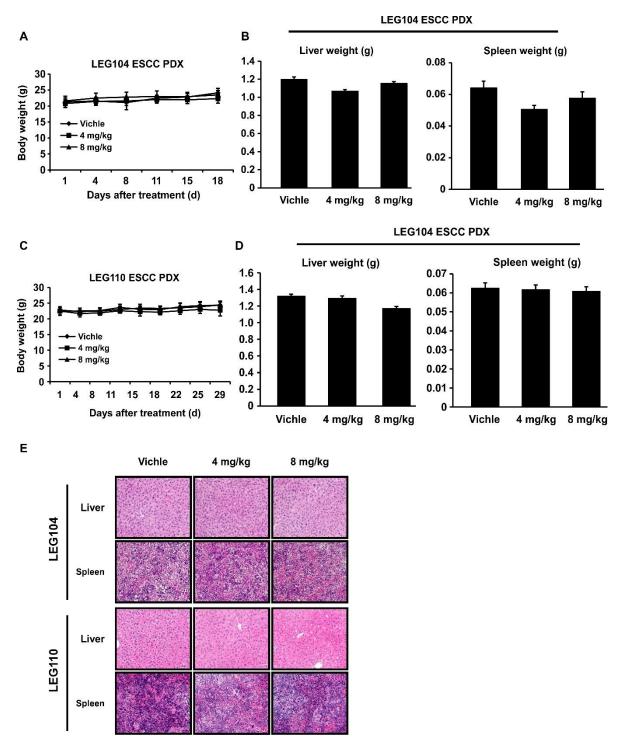


Figure S3. HCPT administration showed no toxicity in PDX animal experiment.

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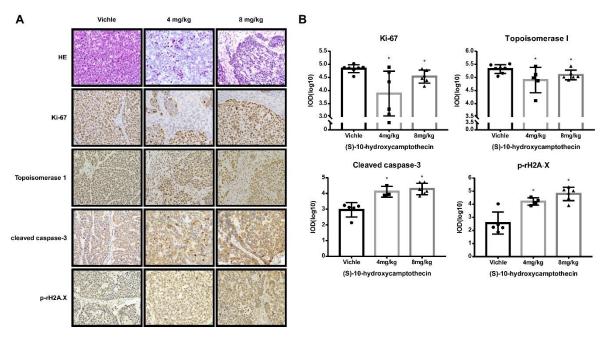


Figure S4. IHC staining in LEG110 PDX tissue specimens (100× magnification).

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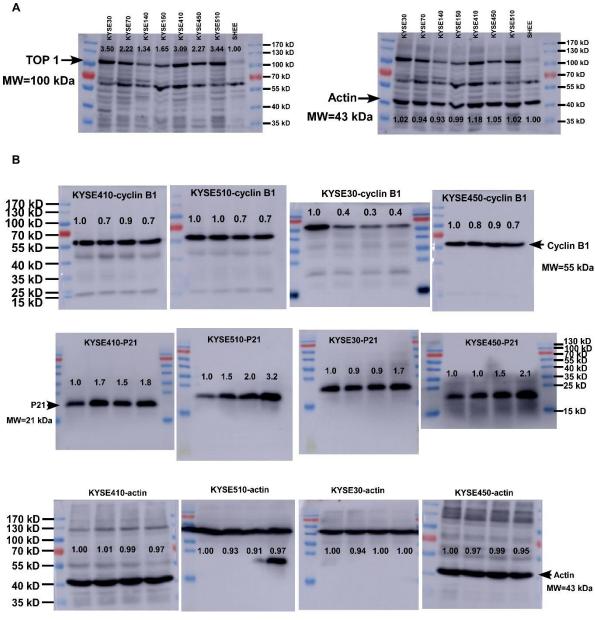


Figure S5. The original western blot data of the expression of TOP I in different cell lines and cell cycle markers.

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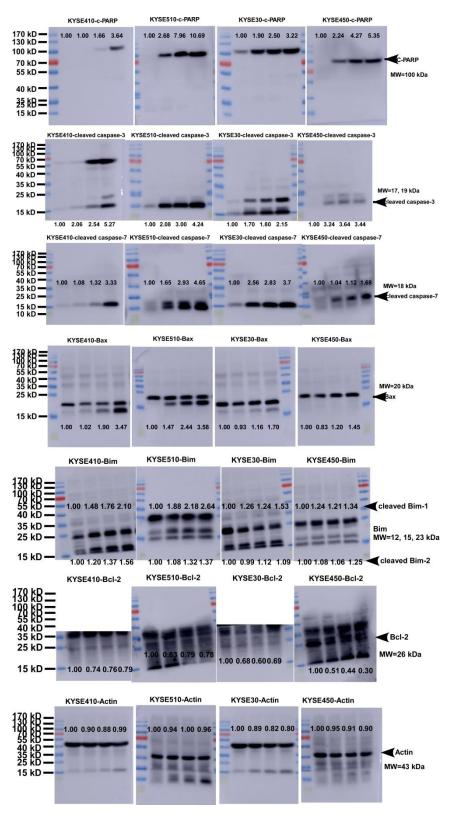


Figure S6. The original western blot data of the expression of apoptosis markers in the four candidate cell lines.

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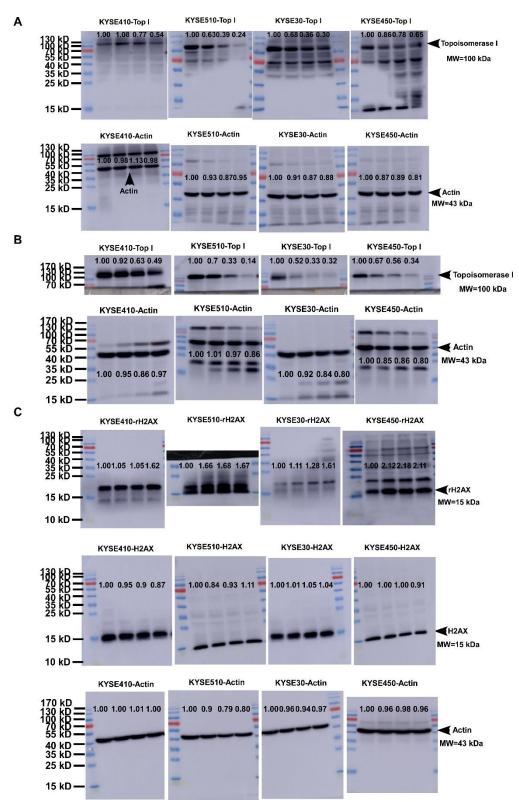


Figure S7. The original western blot data of the expression of TOP I and rH2AX in the four candidate cell lines 48 or 72 h after HCPT treatment.



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