

Copper-Verteporfin Coordination Nanoparticles to Reverse Ferroptosis Resistance in Pancreatic Cancer Therapy

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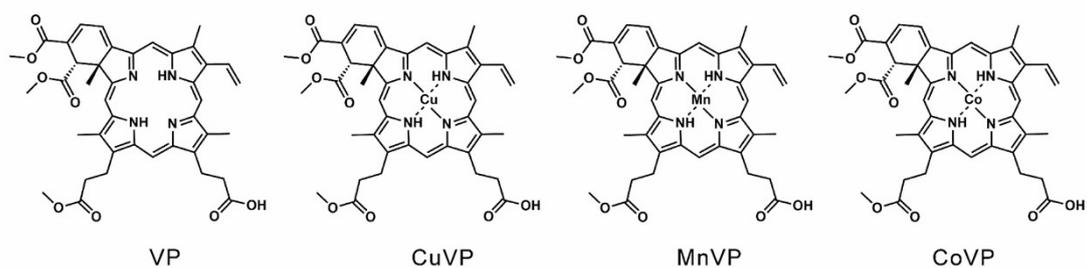


Figure S1 Chemical structure of Verteporfin (VP), Cu-Verteporfin (CuVP), Co-Verteporfin (CoVP), Mn-Verteporfin (MnVP).

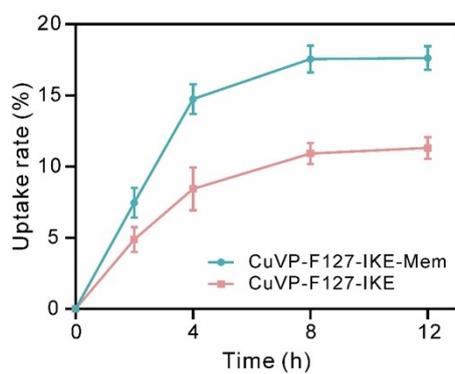


Figure S2 Analysis of cellular uptake after incubation of FITC-labeled micelles with KPC cells for different times. (n = 5; mean \pm SD).

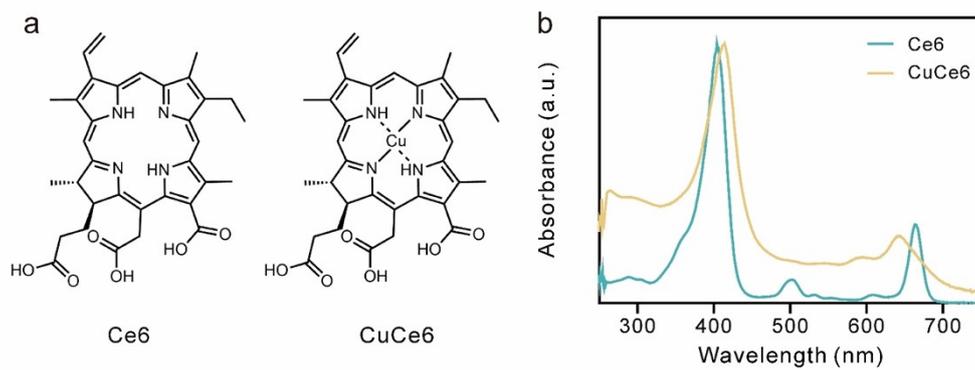


Figure S3 Chemical structure of Ce6 and CuCe6 (a), and absorption spectra of in DMSO (b).

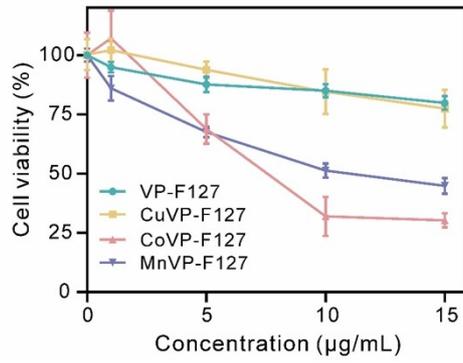


Figure S4 DC 2.4 cells viability after 48h of incubation with VP-F127, CuVP-F127, CoVP-F127, MnVP-F127. (n=5; mean ± SD)

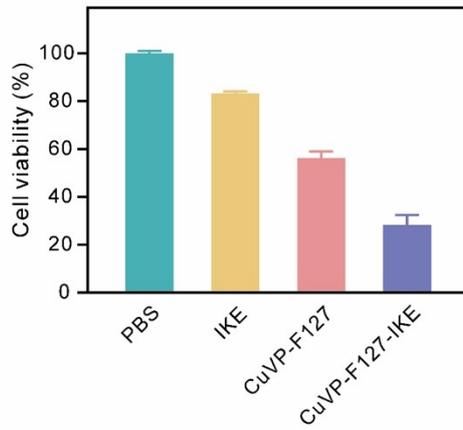


Figure S5 KPC cell viability and after 48 h of incubation with IKE, CuVP-F127 and CuVP-F127-IKE. (n=5; mean ± SD)

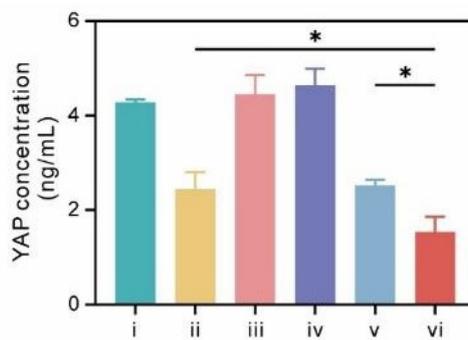


Figure S6 YAP concentration changes of MCF-7 cells after 48 h of incubation with various formulation.

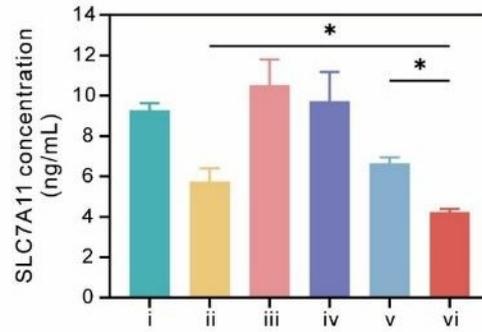


Figure S7 SLC7A11 concentration changes of MCF-7 cells after 48 h of incubation with various formulation.

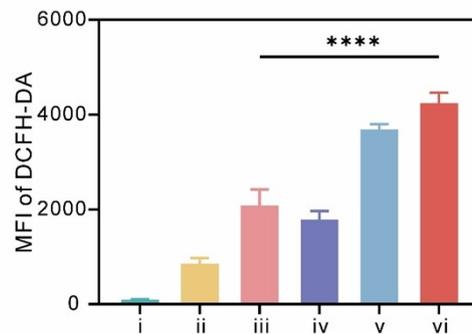


Figure S8 Fluorescence intensity of KPC cells after different treatments by various formulation as indicated PBS (i), CuVP-F127-Mem (ii), CuCe6-F127-IKE-Mem (iii), CoVP-F127-IKE-Mem (iv), CuVP-F127-IKE (v), CuVP-F127-IKE-Mem (vi) using DCFH-DA as ROS probe. (n=3, mean \pm SD). **** P <0.001

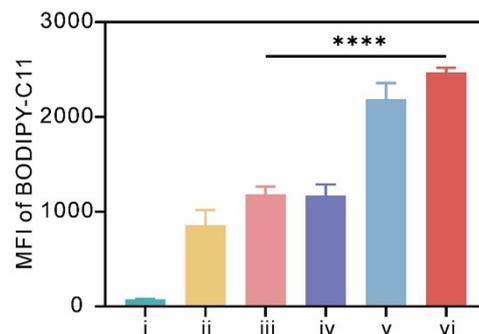


Figure S9 Fluorescence intensity of KPC cells after different treatments by various formulation as indicated PBS (i), CuVP-F127-Mem (ii), CuCe6-F127-IKE-Mem (iii), CoVP-F127-IKE-Mem (iv), CuVP-F127-IKE (v), CuVP-F127-IKE-Mem (vi) using BODIPY-C11 as LPO probe. (n=3, mean \pm SD). **** P <0.001

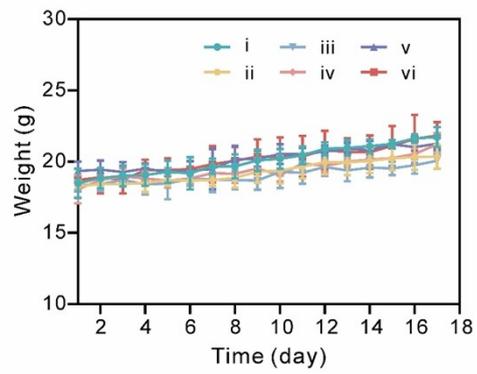


Figure S10 Body weight of mice during treatments by group PBS (i), CuVP-F127-Mem (ii), CuCe6-F127-IKE-Mem (iii), CoVP-F127-IKE-Mem (iv), CuVP-F127-IKE-Mem (v), CuVP-F127-IKE-Mem (vi). (n = 5; mean \pm SD)