

Supplementary materials

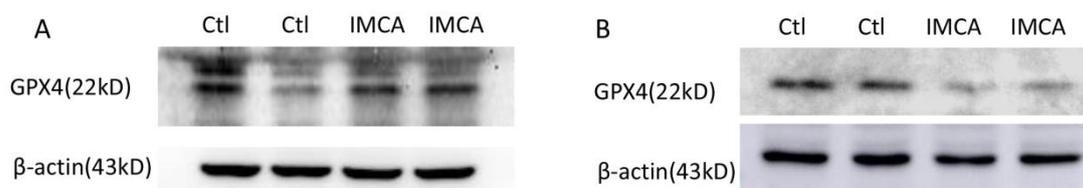


Figure S1. IMCA did not significantly up-regulate GPX4 expression. DLD-1 (A) and HCT116 (B) cells were treated with 50 μ M IMCA for 48h, and the protein expression was assessed by western blot.

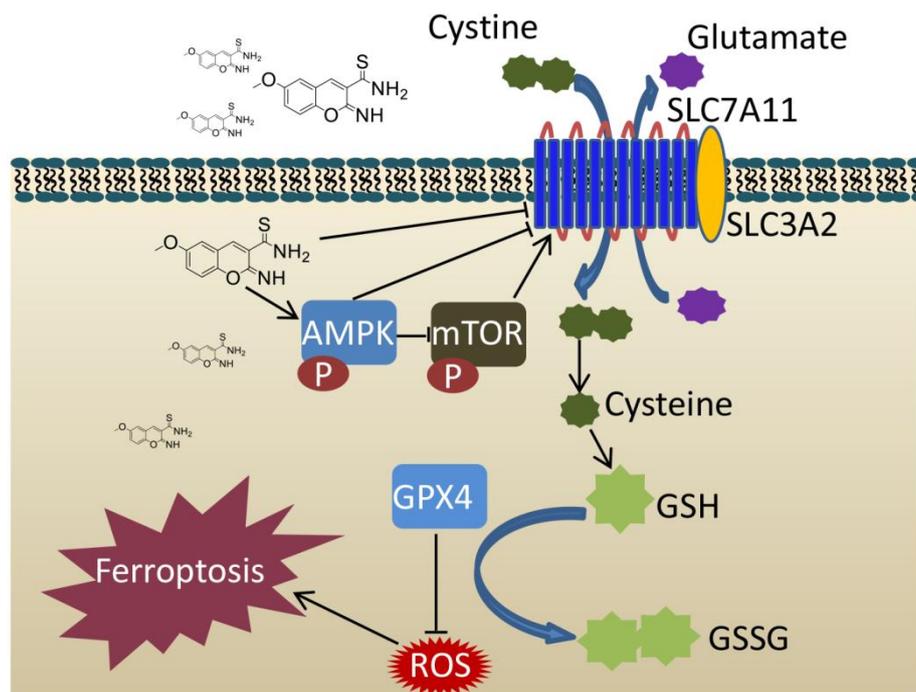


Figure S2. Schematic Illustration of IMCA for colorectal cancer therapy through inducing ferroptosis mediated by SLC7A11. The small molecule IMCA induces ferroptosis through down-regulating the expression of SLC7A11, inhibiting the import of cystine, which resulted in glutathione (GSH) exhaustion. The down-regulating the expression of SLC7A11 is related to the phosphorylation of AMPK and dephosphorylation mediated by IMCA.