



**Fig. S4. ACT inhibited the synthesis and release of mtDNA.** (A) Immunofluorescence staining for TOM20 (594 nm), anti-DNA (488 nm), 8-OHdG (488 nm) and DAPI (405 nm). Scale bar = 20  $\mu$ m. (B) The quantification results of TOM20, anti-DNA and 8-OHdG. (C) Immunofluorescence staining for VDAC1 (594 nm), anti-DNA (488 nm) and DAPI (405 nm). Scale bar = 20  $\mu$ m. (D) The mtDNA levels of *D-loop* was normalized with *Tert* in AML12 cells cell culture media. (E) Immunofluorescence staining for TMRE (594 nm). Scale bar = 20  $\mu$ m. Statistical significance: \* $p < 0.05$ , \*\*\* $p < 0.001$ , compared with control group; # $p < 0.05$ , ## $p < 0.01$ , ### $p < 0.001$ , compared with the model group (n = 3).