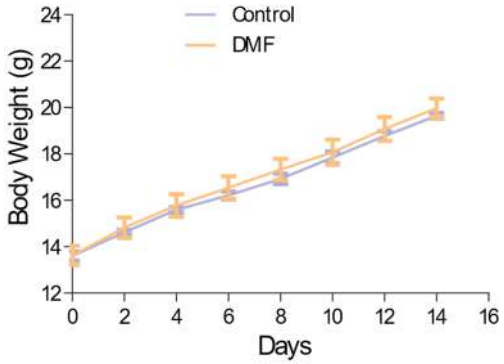
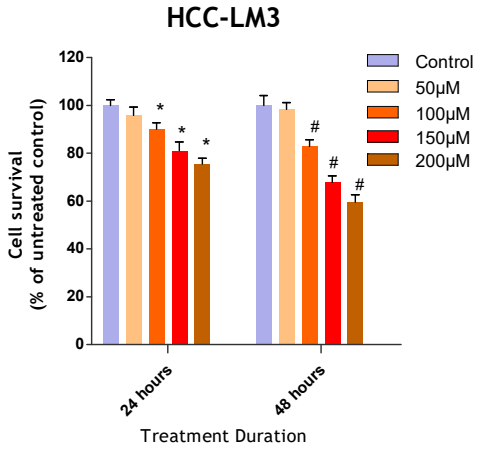
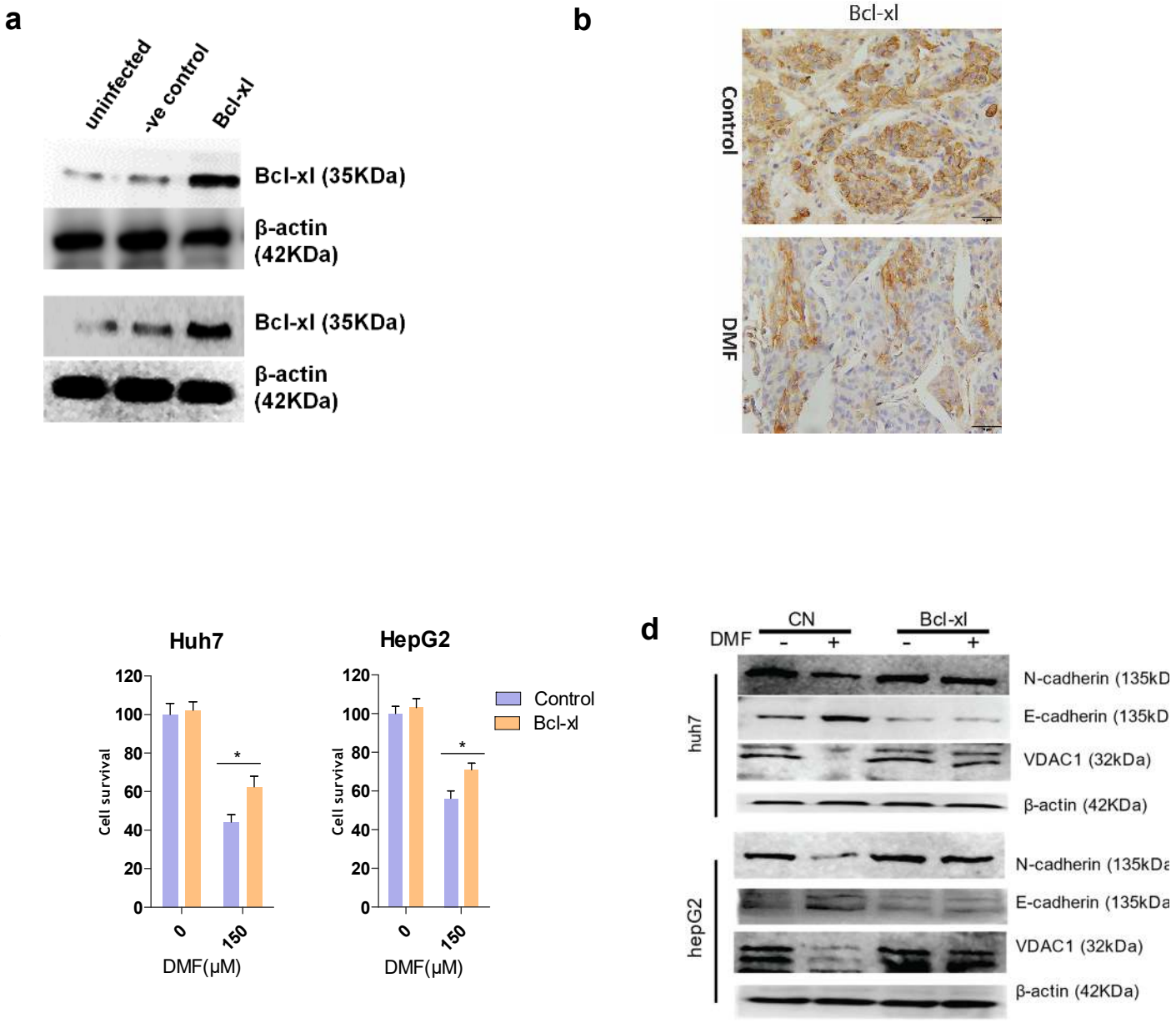
Supplementary Fig. 1: Bodyweight of mice in the two groups were recorded. Results are mean ± SD (n = 5), **p ≤ 0.01.

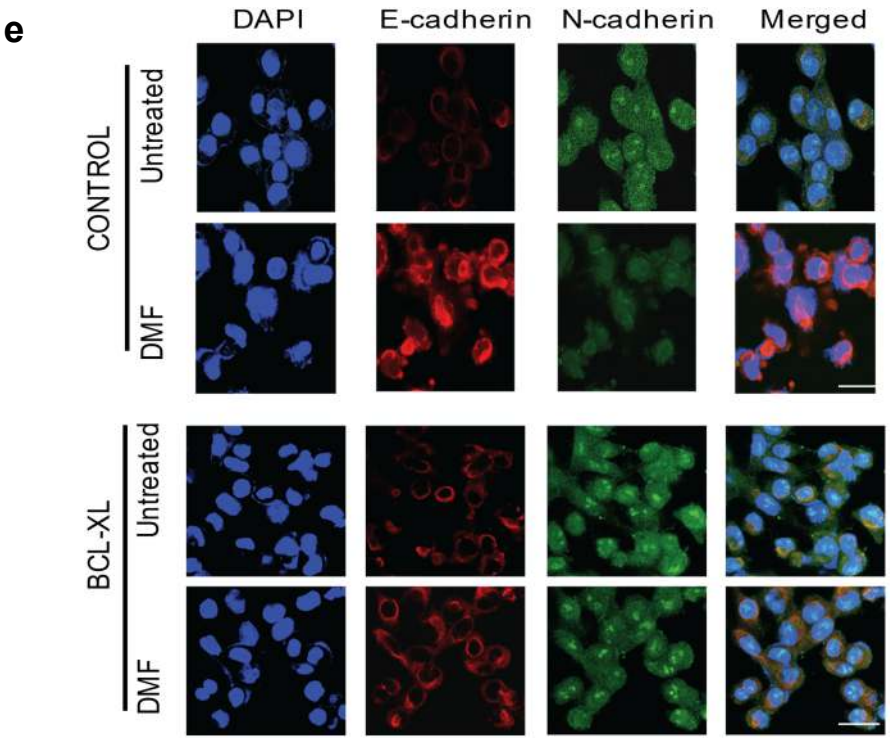


Supplementary Fig. 2 HCC-LM3 hepatocellular carcinoma cell lines were treated with different concentrations of DMF for 24 and 48 h. Cell survival was measured by CCK-8 assay.

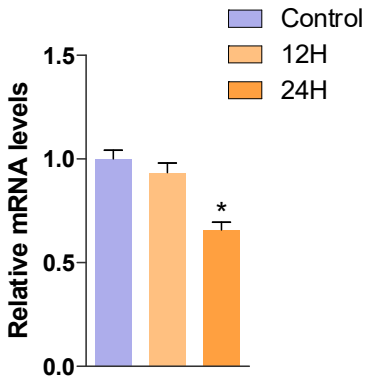


Supplementary Fig. 3 (a) HCC cells were infected with empty- or Bcl-xL-expressing vectors and subjected to immunoblot analysis. (b) hepatocellular carcinoma cell lines were treated with DMF for 48 h. Cell survival was measured by CCK-8 assay. (c) Bcl-xl overexpression suppresses DMF-induced modulation of E-cadherin and N-cadherin expression in huh7 cells (d) Immunofluorescence staining for E-cadherin and N-cadherin in Bcl-xl overexpressing and control cells after treatment.

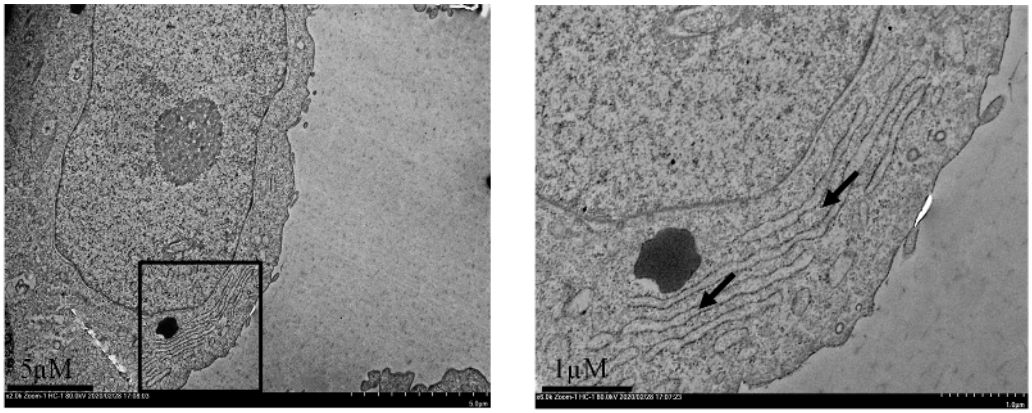




Supplementary Fig. 4 Bcl-xl mRNA was extracted from huh7 and quantified using qRT-PCR after DMF treatment



Supplementary Fig. 5 Transmission electron microscopy images of huh7 cells treated with DMF for 48 hours showing enlarged endoplasmic reticulum.



Supplementary Fig. 6 Huh7 cells were injected into the embryo to establish the zebrafish xenograft model. Control group mice were treated with DMSO. Treatment group mice received DMF (0.5 μM), sorafenib (1 μM) or both. Representative images of tumour volume and weight of the tumours in the two groups were recorded. Tumour volume and the total numbers of disseminated cells in the tail regions of zebrafish (n =10 zebrafish/group). Unpaired t-test was used for the statistical analysis. * P < .01. Data are presented as mean ± SD (n=3)