Figure S1. (A) Viability of HCCLM3 cells treated with the 20 compounds (<30% cell viability). (B) The viability of Huh7 cells treated with these 20 compounds. (C and D) Wound healing assay. The HCCLM3 and Huh7 cells were pre-treated with PPVI or Stattic. PPVI, polyphyllin VI; STAT3, signal transducer and activator of transcription 3.

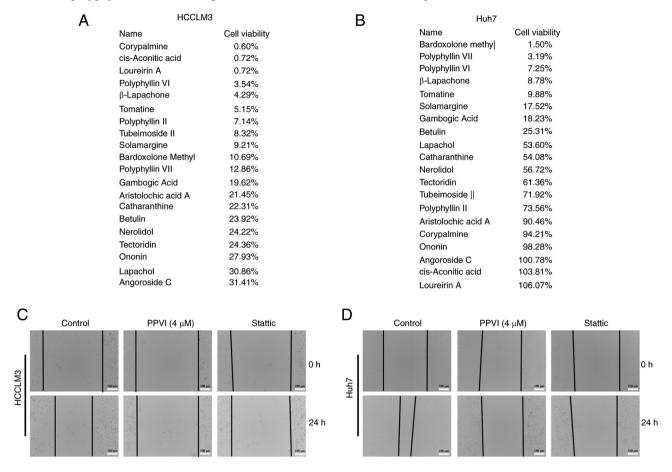


Figure S2. PPVI inhibits the STAT3/GPX4 axis in hepatocellular carcinoma cells. The HCCLM3 and Huh7 cells were pre-treated with PPVI or Stattic. (A) ROS levels in HCCLM3 and Huh7 cells were observed using DHE. (B) The Fe²⁺ content in HCCLM3 and Huh7 cells was detected using a FerroOrange fluorescent probe. (C and D) MDA and GSH levels. (E and F) Protein expression of GPX4 in HCCLM3 and Huh7 cells was detected using immunofluorescence staining. *P<0.05, **P<0.01, ***P<0.001 and *****P<0.0001 vs. control or as indicated. NS, not significant; Con, control; PPVI, polyphyllin VI; STAT3, signal transducer and activator of transcription 3; GPX4, glutathione peroxidase 4; DHE, dihydroethidium; ROS, reactive oxygen species; GSH, glutathione; MDA, malondialdehyde.

