

Figure S4

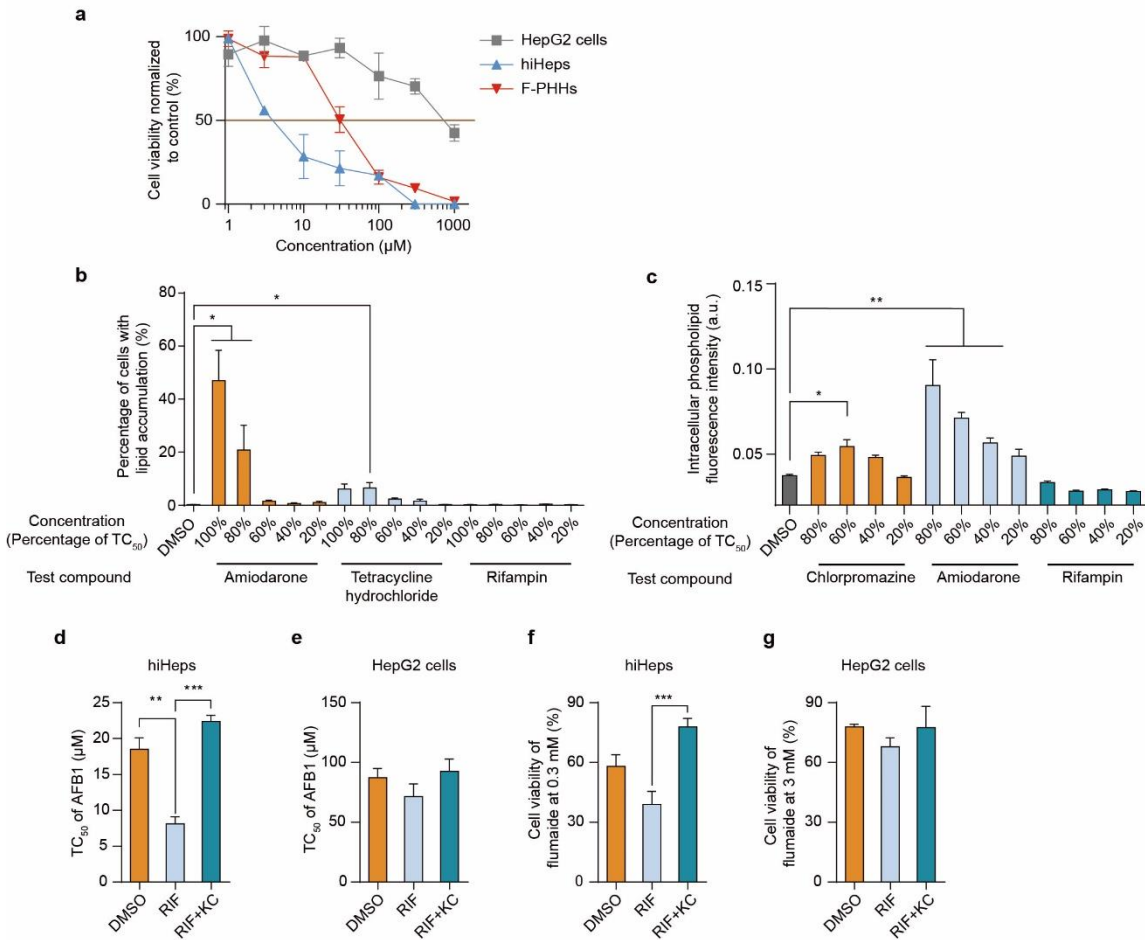


Figure S4. hiHeps show toxicity prediction ability, Related to Figure 5. (a) Dose-dependent viability curves of hiHeps, F-PHHs and HepG2 cells treated with Aflatoxin B1 (AFB1). The concentration that was calculated to cause a 50% decrease in cell viability (brown line) was determined as the TC₅₀. All data were normalized to cultures treated with vehicle control. (b-c) Quantification of dose-dependent steatosis and phospholipidosis in hiHeps after exposure to steatosis/phospholipidosis-causing compounds (Figure 5C), rifampin (non-steatosis/phospholipidosis-causing compound) or DMSO. *n* = 4; a.u., arbitrary units. (d-g) Drug-drug interactions mediated toxicity. Toxicity of AFB1 (presented by TC₅₀ value) and flutamide (presented by cell viability at 0.3 mM or 3 mM) in hiHeps (d, f), and HepG2 cells (e, g) after treatment with DMSO, the CYP3A4 inducer rifampin (RIF) or the combination of RIF and CYP3A4 inhibitor ketoconazole (KC). *n* = 3 for AFB1 and *n* = 6 for flutamide in both cell types. Data are presented as mean ± SEM. One-way ANOVA was performed. **P* < 0.05; ***P* < 0.01; ****P* < 0.001.