**Figure S4**
Small molecule inhibitors for CDC25 and RRM2, the downstream pro-oncogenic molecules of TSPY, inhibited cell proliferation in hepatocellular carcinoma cell line HuH-7. Both HuH-7-tetON-TSPY and HuH-7-tetON-EGFP cells were seeded at 2000 cells/well in 96 well plates and cultured for 3 days in the presence of (a) a CDC25 inhibitor NSC-95397 [1, 2] or (b) a RRM2 inhibitor COH29 [3, 4], at the indicated concentration under Dox-induction condition. Cell viability was measured as described in the Materials and Methods. The Y-axis indicates cell proliferation ratio relative to the cell number at 0 hour. Respective half maximal inhibitory concentration (IC50) are indicated. Noteworthy, the TSPY-overexpression relieved the inhibitory effects of NSC-95397 and COH29 on HuH-7 cells respectively.

**References for Figure S4**