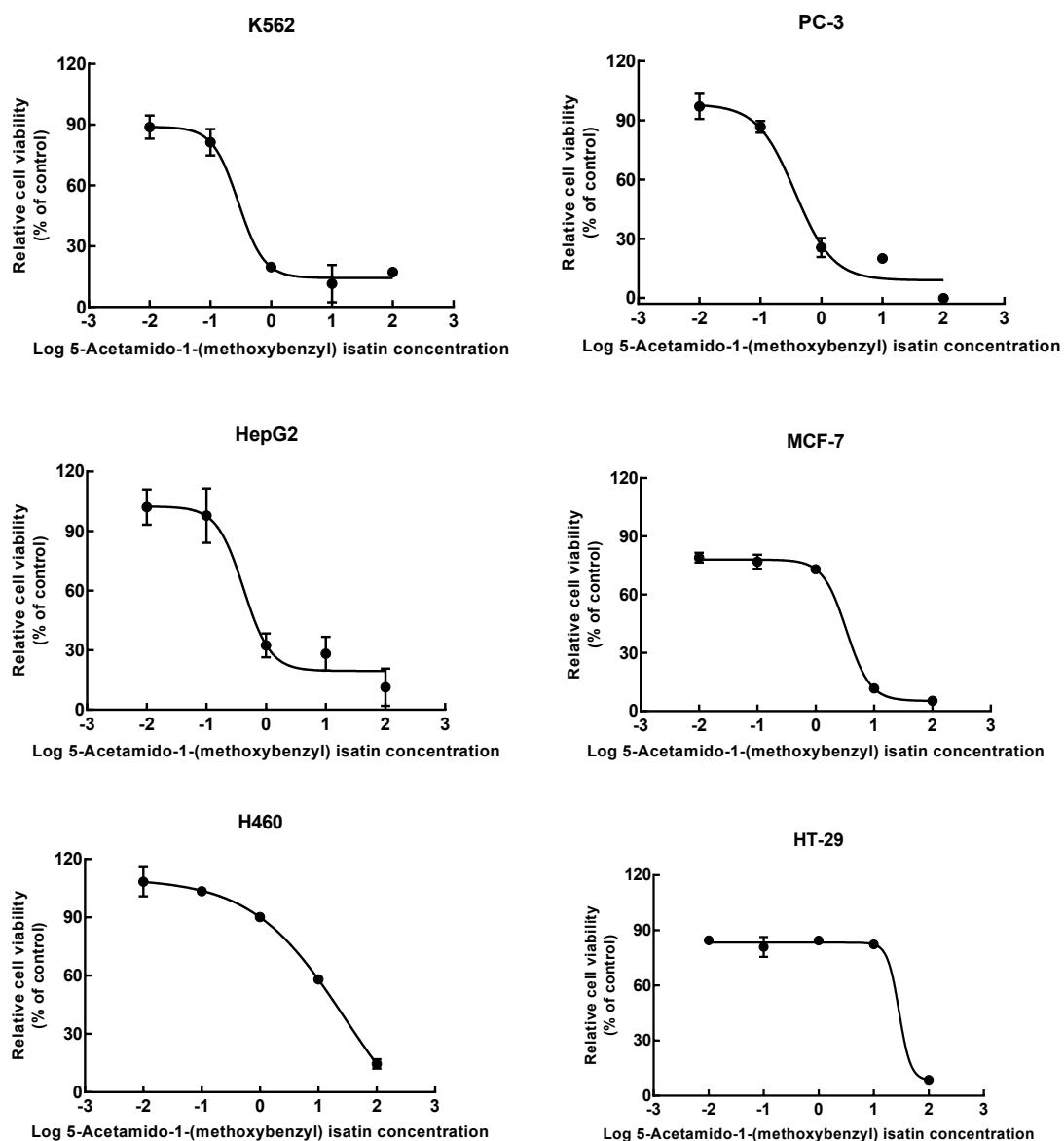
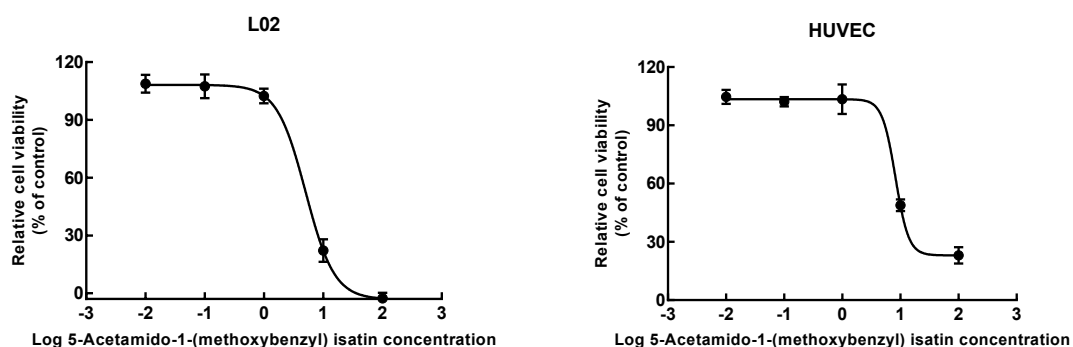


Supplementary data 1-IC₅₀ plots

A



B



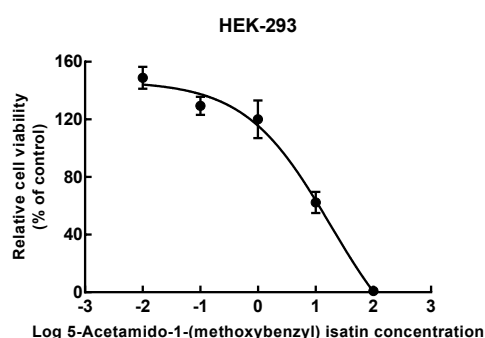


Fig. 1 IC₅₀ plots of 5-Acetamido-1-(methoxybenzyl) isatin in tumor and normal cell lines. (A) IC₅₀ plots of 5-Acetamido-1-(methoxybenzyl) isatin in K562, PC-3, HepG2, MCF-7, H460 and HT-29 cell lines. (B) IC₅₀ plots of 5-Acetamido-1-(methoxybenzyl) isatin in L02, HUVEC and HEK-293 cell lines.

supplementary data 2

Table 1 Therapeutic index (TI) of CPT and 5-Acetamido-1-(methoxybenzyl) isatin

Cell line	TI	
	CPT	5-Acetamido-1-(methoxybenzyl) isatin
Human leukemia (K562)	3.13	28.34
Human Prostate cancer (PC-3)	0.17	21.63
Liver cancer (HepG2)	3.57	19.57
Human Breast cancer (MCF-7)	0.68	2.44
Non-small cell lung cancer (H460)	6.25	0.29
Human Colon cancer (HT-29)	6.25	0.24

Supplementary data 3

Table 2 Information about the antibodies which were used during experiments

Antibody name	Manufacturer	Catalog number
Anti-PARP	Becton,Dickinson and Company	611038
Cleaved PARP	Cell Signaling Technology, Inc.	9664S
Caspase-3 Rabbit mAb	Tianjin Sungene Biotech Co., Ltd.	SGA0214
Bcl-2 Rabbit mAb	Tianjin Sungene Biotech Co., Ltd	SGA0208
Bax Rabbit mAb	Tianjin Sungene Biotech Co., Ltd	SGA0207
Bcl-xl Rabbit mAb	Cell Signaling Technology, Inc	2764S
CDK1 Antibody	Tianjin Sungene Biotech Co., Ltd	SGA0220
Cyclin B1 Antibody	Cell Signaling Technology, Inc	4135S
CDC25C Antibody	Cell Signaling Technology, Inc	4688S
p-CDC25C Antibody	Cell Signaling Technology, Inc	4901S
p-CDK1 (Thr14) Antibody	Cell Signaling Technology, Inc	2543S
Anti-tubulin	Sigma-Aldrich (Shanghai) Trading Co. Ltd. (China)	T8203