Supplemental data 1. Effects of different drugs on cell cycle regulation in GBC-SD cells. To investigate the effect of SST on cell cycle regulation, two other drugs known to regulate cell cycle (Aph on S phase and L-M on G0/G1 phase) were used as control. SST and Aph treatment potentiated S phase accumulation whereas treatment with L-M caused more GBC-SD cells to arrest in G0/G1 phase after 24 hr. GBC-SD cells were treated with 75μg/ml SST, 2.5μg/ml Aph, 100μg/ml L-M or equal volume vehicle control for 24hr prior to cell cycle analysis. Calculated cell cycle distributions are represented as percentages. Values in the table represent the average of four independent experiments. (* $P<0.05$ *versus* control, ** $P<0.01$ *versus* control). (Con=control; SST=Somatostatin; L-M=L-Mimosine; Aph=Aphidicolin).

Supplemental data 2. Combined used of SST and DOX has synergistic effect in illing GBC-SD cells. SST alone showed slight growth inhibitory effect on GBC-SD cells. Combined use of SST with DOX significantly increased cytotoxic effect of DOX on GBC-S. ((* $P<0.05$ *versus* control). (Con=control; SST=Somatostatin).

Supplemental data 1.

Table 1 Effects of various agents on GBC-SD cell cycle

	G0/G1	S	G2/M
Control	47.87±7.66	33.24±7.24	18.89±3.57
SST	39.18±2.81	43.60±3.81*	17.22±2.25
Aph	37.53±10.32	60.85±10.90*	1.62±1.18
L-M	62.53±2.20*	32.50±3.49	4.98±3.23
Compared with vehicle control, *P<0.05			

Supplemental data 2.

a. Growth inhibitory effects of SST on GBC-SD cells

SST concentration （ug/ml）	**Survival Rate (mean±SD, %)**
0	100±5.469
62.5	86.2±4.915
125	83.72±2.542
250	81.38±2.151
500	77.86±4.946

b. Inhibitory effects of DOX or DOX combined with SST on the growth of GBC-SD cells

DOX concentration （ug/ml）	**Survival Rate (mean±SD, %)**	
	DOX alone	**DOX+SST**
0（blank control）	100.0±7.2	100±7.2
3.33	69.3±5.8	52.2±4.6 *
6.66	66.1±1.6	47.9±3.1 *
13.32	51.7±6.0	27.7±5.8 *
19.98	47.3±5.1	24.1±5.0 *
33.30	30.8±6.9	26.8±5.5 *
Compared with DOX alone group, *P<0.05		